

Waste Area Group 10, Operable Unit 10-08, Annual Monitoring Status Report for Fiscal Year 2009

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**Prepared for the
U.S. Department of Energy
DOE Idaho Operations Office**

ABSTRACT

This report documents the status of Fiscal Year 2009 groundwater monitoring performed in Waste Area Group 10 at the U.S. Department of Energy Idaho National Laboratory Site, as identified in the *Groundwater Monitoring and Field Sampling Plan for Operable Unit 10-08*. Twelve of the fourteen required wells were sampled, and all ten required intervals from the Westbay wells were sampled. Two wells were not sampled because they were in the process of being converted into multiple-sample-interval Westbay wells by the U.S. Geological Survey. Groundwater samples were analyzed for volatile organic compounds identified on the Contract Laboratory Program target analyte list as well as metals (filtered), anions, and radionuclides (i.e., I-129, tritium, Tc-99, gross alpha, gross beta, and Sr-90).

No contaminant exceeded maximum contaminant levels in wells along the southern boundary of the Idaho National Laboratory Site or in guard wells. Iron was above its secondary maximum contaminant level of 300 µg/L in one well. The cause of the elevated iron concentration is uncertain. Lead was detected just below its action level. However, the zinc concentration was also elevated in these wells, and the source of the lead is probably galvanized riser pipe in the wells. Once the galvanized pipe is replaced, both lead and zinc concentrations should decline, as has been observed at other Waste Area Group 10 wells.

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ACRONYMS

bgs	below ground surface
FY	fiscal year
INL	Idaho National Laboratory
MCL	maximum contaminant level
OU	operable unit
RWMC	Radioactive Waste Management Complex
USGS	United States Geological Survey
WAG	waste area group

Waste Area Group 10, Operable Unit 10-08, Annual Monitoring Status Report for Fiscal Year 2009

1. INTRODUCTION

This report documents the status of Fiscal Year (FY) 2009 groundwater monitoring performed in Waste Area Group (WAG) 10, Operable Unit (OU) 10-08, at the U.S. Department of Energy Idaho National Laboratory (INL) Site, as identified in the *Groundwater Monitoring and Field Sampling Plan for Operable Unit 10-08* (DOE-ID 2007a). The requirement for this annual report was established in the WAG 10 Remedial Investigation/Feasibility Study Work Plan (DOE-ID 2002). This document is the last monitoring report completed under the current Field Sampling Plan (DOE-ID 2007a), which governed sampling activities only until completion of the OU 10-08 Record of Decision (DOE-ID 2009a). In addition to this annual report, previous WAG 10 sampling results are summarized in the FY 2007 and FY 2008 annual reports (DOE-ID 2008a, 2009b) and the WAG 10 Remedial Investigation/Baseline Risk Assessment (DOE-ID 2008b). Future sampling activities will be described in a WAG 10 post-Record of Decision long-term monitoring plan.

WAG 10 OU 10-08 covers areas within the INL Site that are not covered by other WAGs (Figure 1). The purpose of OU 10-08 is to address concerns about the Snake River Plain Aquifer that cannot be addressed on a WAG-specific basis. Past operations at the INL Site have introduced radioactive and hazardous contaminants into the environment, and a number of these contaminants have been found in the Snake River Plain Aquifer. Potential impacts from commingled groundwater plumes from INL Site activities were investigated as part of the WAG 10 Remedial Investigation/Baseline Risk Assessment (DOE-ID 2008b).

WAG 10 was created in accordance with the *Federal Facility Agreement and Consent Order for the Idaho National Engineering Laboratory* (DOE-ID 1991) and the “Comprehensive Environmental Response, Compensation, and Liability Act of 1980” (42 USC § 9601 et seq.), as amended by the “Superfund Amendments and Reauthorization Act of 1986 (SARA)” (Public Law 99-499).

2. OPERABLE UNIT 10-08 GROUNDWATER DATA COLLECTION PERFORMED IN FISCAL YEAR 2009

WAG 10 field sampling activities are planned and approved by the Agencies (i.e., U.S. Department of Energy, U.S. Environmental Protection Agency, and Idaho Department of Environmental Quality) through preparation of formal work planning documents (e.g., OU 10-08 Field Sampling Plan [DOE-ID 2007a]). Groundwater monitoring tasks performed in FY 2009 comprised collecting groundwater quality data and presenting the results in this report.

2.1 Groundwater Sampling Results

Wells sampled for WAG 10 are divided into five groups: boundary, guard, baseline, distal, and Westbay. Table 1 provides information about construction of WAG 10 wells, and Figure 2 shows well locations. For FY 2009, the OU 10-08 Field Sampling Plan called for sampling 14 boundary and guard wells, three sampling intervals from Westbay Well USGS-132, and seven sampling intervals from Westbay Well USGS-103. Wells USGS-105 and -108 were not sampled because the U.S. Geological Survey (USGS) was in the process of installing a Westbay system in them. Groundwater samples

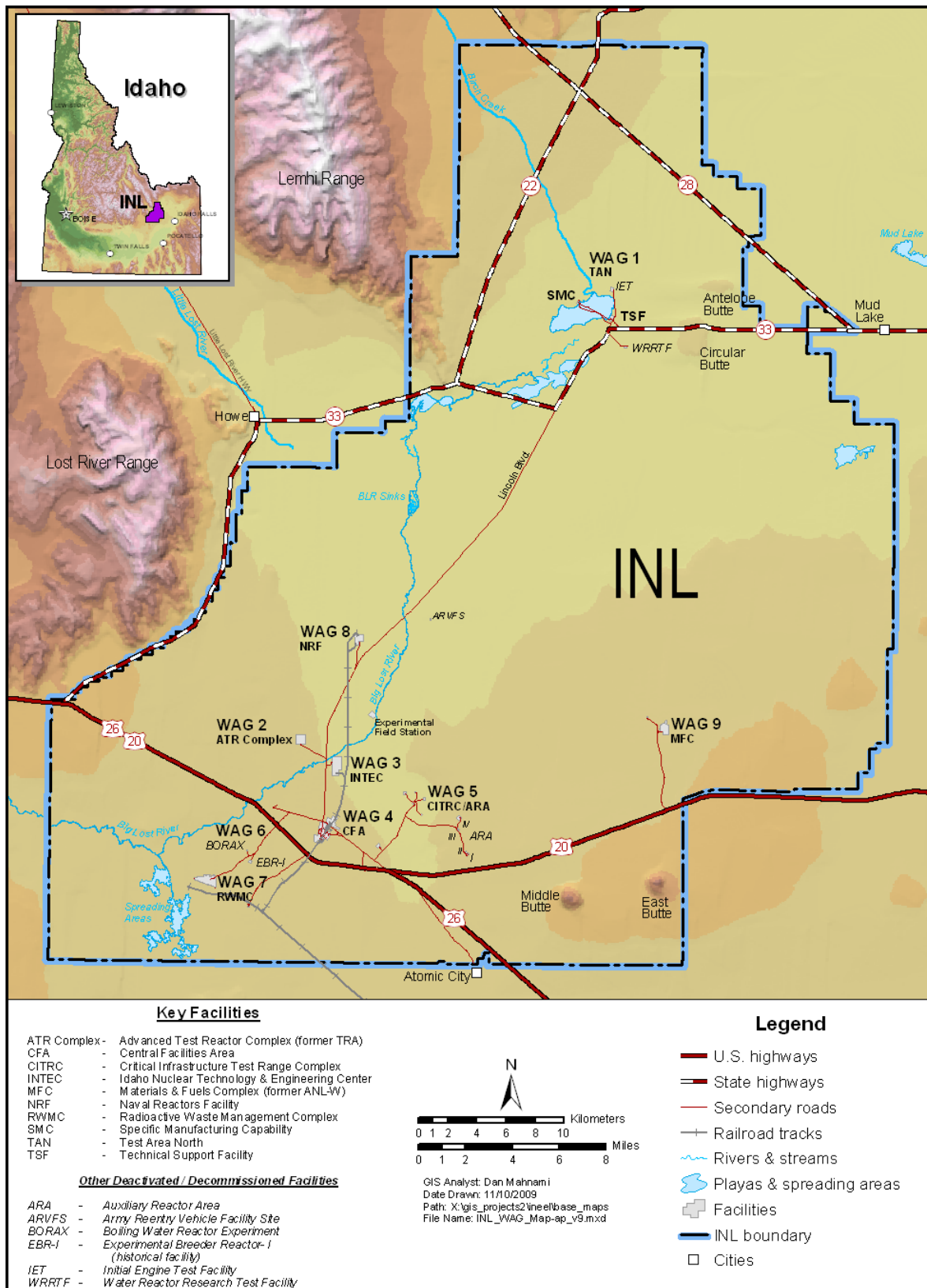


Figure 1. Map of the Idaho National Laboratory Site showing locations of waste area groups.

Table 1. Construction summary for Waste Area Group 10 wells.

Well Identifier ^a	Well Name	Screened or Open Hole (ft bgs)	Pump Depth (ft bgs) ^b	Approximate Depth to Water (ft bgs)
Boundary Wells				
450	USGS-001	600–630 perforated	612	588
458	USGS-009	620–650 perforated	635	607
535	USGS-086	48–691 open hole	678	649
550	USGS-101	750–865 perforated	790	771
554	USGS-105	400–800 open hole	700	670
557	USGS-108	400–760 open hole	637	609
558	USGS-109	600–800 open hole	656	621
559	USGS-110	580–780 open hole	612	566
Guard Wells				
184	Highway 3	680–750 perforated	567	538
451	USGS-002	675–696 perforated	683	659
549	USGS-100	662–750 open hole	703	686
553	USGS-104	550–700 open hole	592	555
555	USGS-106	605–760 open hole	609	584
556	USGS-107	270–690 open hole	531	477
Baseline Wells				
453	USGS-004	285–315 perforated 322–553 open hole	303	251
457	USGS-008	782–812 perforated	801	766
468	USGS-019	289–305 perforated	323	276
475	USGS-026	232–266.5 perforated	255	212
476	USGS-027	250–260 perforated 298–308 perforated	262	228
1346	USGS-126B	400–452 open hole	420	408
147	DH-1B	380–400 open hole	357	268
250	P&W-3	322–401 perforated	340	304
Distal Wells				
460	USGS-011	672.5–703.8 perforated	687	658
463	USGS-014	720–746 perforated	739	722
987	USGS-124	750–800 slotted	Not available ^c	688
988	USGS-125	620–774 slotted	700	634
Westbay Wells^d				
2050	MIDDLE-2050A	Sampling port–525.2	NA	NA
2050	MIDDLE-2050A	Sampling port–652.1	NA	NA
2050	MIDDLE-2050A	Sampling port–800.5	NA	NA
2050	MIDDLE-2050A	Sampling port–1,007.9	NA	NA
2050	MIDDLE-2050A	Sampling port–1,189.1	NA	NA
2051	MIDDLE-2051	Sampling port–593.7	NA	NA
2051	MIDDLE-2051	Sampling port–760.4	NA	NA
2051	MIDDLE-2051	Sampling port–838.1	NA	NA

Table 1. (continued).

Well Identifier ^a	Well Name	Screened or Open Hole (ft bgs)	Pump Depth (ft bgs) ^b	Approximate Depth to Water (ft bgs)
2051	MIDDLE-2051	Sampling port–1,102.8	NA	NA
2051	MIDDLE-2051	Sampling port–1,152.8	NA	NA
552	USGS-103	Sampling port–681.9	NA	NA
552	USGS-103	Sampling port–805.2	NA	NA
552	USGS-103	Sampling port–913.8	NA	NA
552	USGS-103	Sampling port–999.4	NA	NA
552	USGS-103	Sampling port–1,095.1	NA	NA
552	USGS-103	Sampling port–1,220.4	NA	NA
552	USGS-103	Sampling port–1,269.4	NA	NA
2029	USGS-132	Sampling port–646.7	NA	NA
2029	USGS-132	Sampling port–774.2	NA	NA
2029	USGS-132	Sampling port–836	NA	NA
2029	USGS-132	Sampling port–927.5	NA	NA
2029	USGS-132	Sampling port–1,020.5	NA	NA
2029	USGS-132	Sampling port–1,182.5	NA	NA

a. Well identifier is from the Environmental Data Warehouse (ICP, 2009, *Environmental Data Warehouse*, <http://icpweb/edw2/>, Idaho Cleanup Project, Web page visited December 1, 2009. [Note: This Web page is on the ICP intranet and not publicly available.])

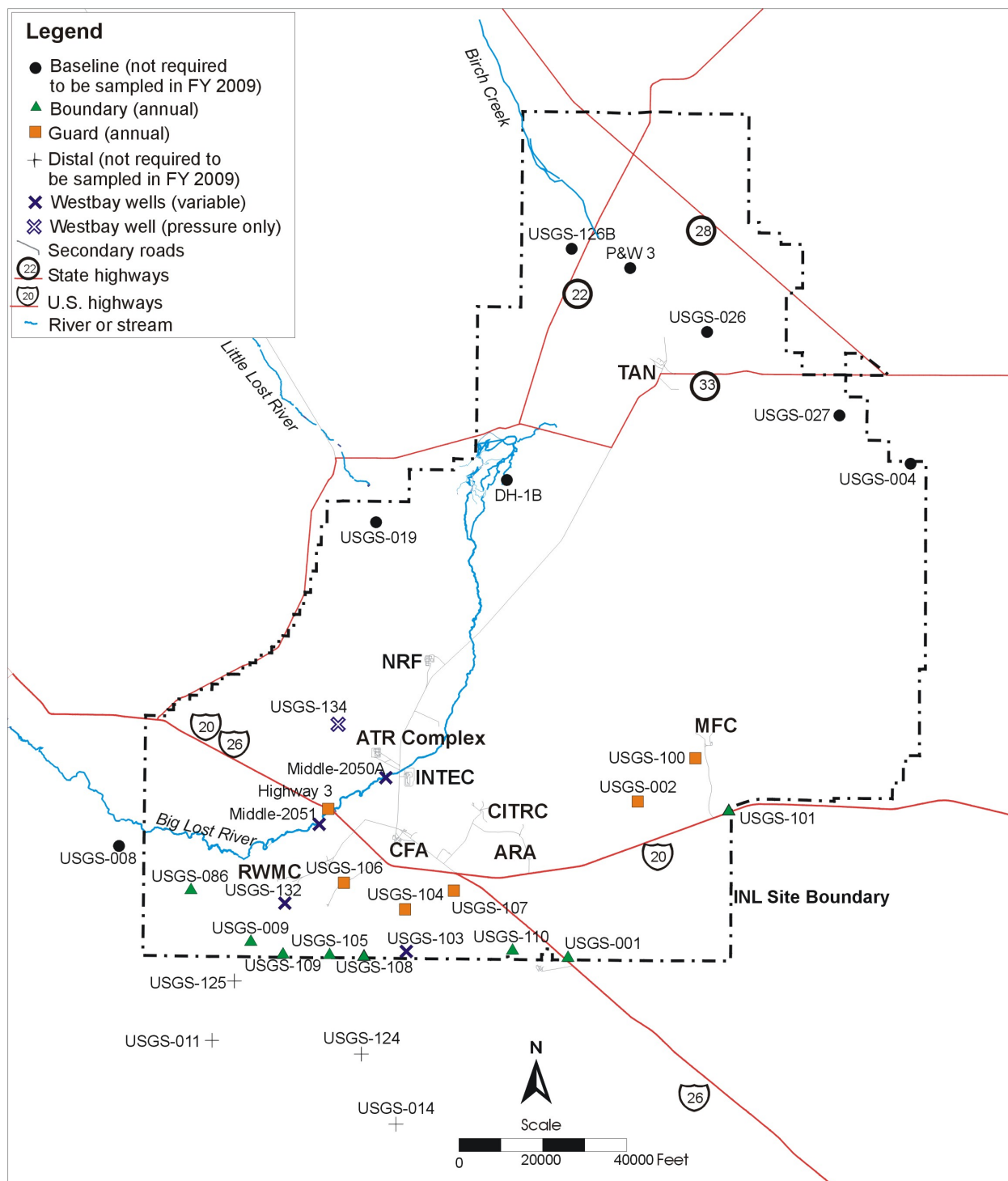
b. Pump depth is the depth to the top of the pump.

c. Well USGS-124 was in use, and the pump depth could not be determined when the well was last sampled.

d. Sampling depths for Wells MIDDLE-2050A and MIDDLE-2051 were corrected from those reported in previous monitoring reports (DOE-ID 2006, 2007b) to reflect as-built depths.

bgs below ground surface

NA not applicable



collected during June through July 2009 were analyzed for volatile organic compounds from the Contract Laboratory Program target analyte list, metals (filtered), anions, alkalinity, nitrate, and radionuclides (i.e., I-129, tritium, Tc-99, gross alpha, gross beta, and Sr-90). Appendix A provides full analytical results for each well, and Appendix B discusses the quality assurance and quality control sample results.

2.1.1 Field-Measured Parameters

Table 2 provides summary data for field-measured parameters (including temperature, pH, conductivity, and dissolved oxygen) and approximate water level at the time of sampling. Data for field parameters are included because abnormal pH (high or low) and high conductivity values can be used as indicators of contamination. The pH, temperature, conductivity, and dissolved-oxygen measurements in FY 2009 are consistent with previous measurements. The pH data indicate slightly alkaline conditions with a pH range of 7.81 to 8.45. Conductivity varies from 0.300 to 0.424 mmhos/cm, with the highest conductivity reading occurring in the uppermost interval from Well USGS-132, located south of the Radioactive Waste Management Complex (RWMC). Figure 3 shows conductivity trends for select wells. Dissolved-oxygen data indicate oxidizing conditions exist throughout the aquifer. Dissolved oxygen was measured with a flow-through cell for all the wells sampled. It is unlikely that dissolved-oxygen concentrations changed more than marginally from the in situ conditions, given the pump rates used to collect samples. Water-level data were collected from wells that were sampled using an e-line, in accordance with the latest procedure. These data are presented in Table 2. Maps showing Site-wide water levels are presented in the annual reports for FY 2004, 2005, and 2007 (DOE-ID 2005, 2006, 2008a). The water level map for June 2, 2007, is shown in Figure 4.

Table 2. Summary of field-measured parameters.

Well Name	Water Level (ft bgs) ^a	Date Sampled	Temp. (°C) ^b	pH	Specific Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L) ^c
Boundary Wells						
USGS-001	594.97	6/03/2009	14.21	8.01	0.333	7.3
USGS-009	615.18	6/17/2009	11.94	8.03	0.355	4.74
USGS-086	656.54	6/16/2009	10.32	8.24	0.325	6.78
USGS-101	781.14	6/03/2009	14.04	8.06	0.300	5.25
USGS-105	NS	NS	NS	NS	NS	NS
USGS-108	NS	NS	NS	NS	NS	NS
USGS-109	627.13 ^d	6/10/2009	13.56	7.96	0.374	5.84
USGS-110	570.45	6/02/2009	14.35	7.81	0.384	2.13
Guard Wells						
USGS-100	687.17	6/23/2009	13.48	8.09	0.366	6.11
Highway 3	NM ^e	6/09/2009	11.58	7.89	0.351	6.82
USGS-002	669.56	6/22/2009	13.48	7.97	0.366	6.11
USGS-104	562.89	6/15/2009	12.06	7.98	0.317	5.47
USGS-106	593.13	6/10/2009	13.83	7.91	0.396	5.94
USGS-107	486.43	6/10/2009	15.35	8.01	0.409	5.47
Westbay Wells						
	Sampling Depth					
USGS-103	681.9	7/01/2009	16.09	8.45	0.309	3.24
USGS-103	805.2	7/21/2009	15.19	8.09	0.351	10.85
USGS-103	913.8	7/02–7/07/2009	14.25	8.01	0.322	11.71
USGS-103	999.4	7/07–7/08/2009	13.45	7.99	0.350	9.18

Table 2. (continued).

Well Name	Water Level (ft bgs) ^a	Date Sampled	Temp. (°C) ^b	pH	Specific Conductivity (mmhos/cm)	Dissolved Oxygen (mg/L) ^c
USGS-103	1,095.1	7/08/2009	14.49	8.29	0.369	8.37
USGS-103	1,220.3	7/08–7/12/2009	14.40	8.12	0.371	10.04
USGS-103	1,269.4	7/13/2009	NM	NM	NM	NM
USGS-132	646.7	6/24–6/25/2009	13.77	8.16	0.424	4.40
USGS-132	774.2	6/25–6/29/2009	15.36	8.15	0.369	7.69
USGS-132	836	6/29–6/30/2009	14.36	8.14	0.362	6.80

a. Water level measurement before sampling.

b. Temperature, dissolved oxygen, conductivity, and pH were measured using a flow-through cell.

c. Dissolved-oxygen sensors were not functioning in some wells and were replaced.

d. Water level in Well USGS-109 was not measured because the water level indicator was not functioning at the time of sampling.

e. Water level in the Highway 3 well was not measured because there is no water-level access line.

bgs below ground surface

NM not measured

NS not sampled

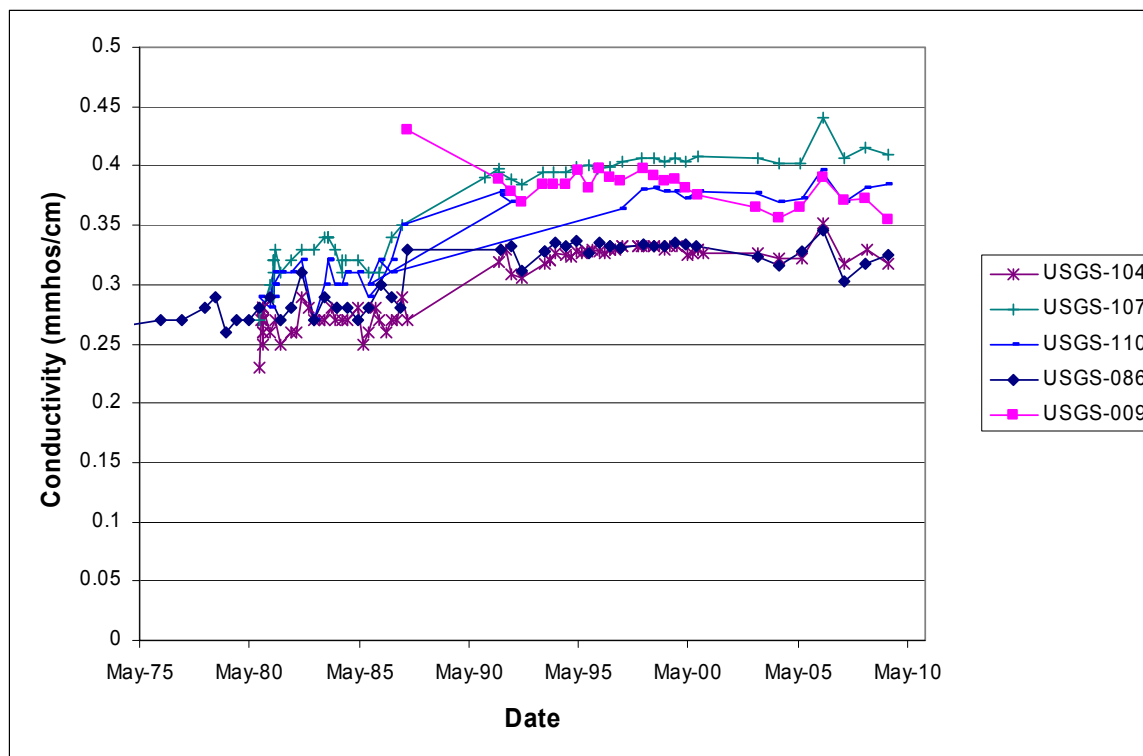
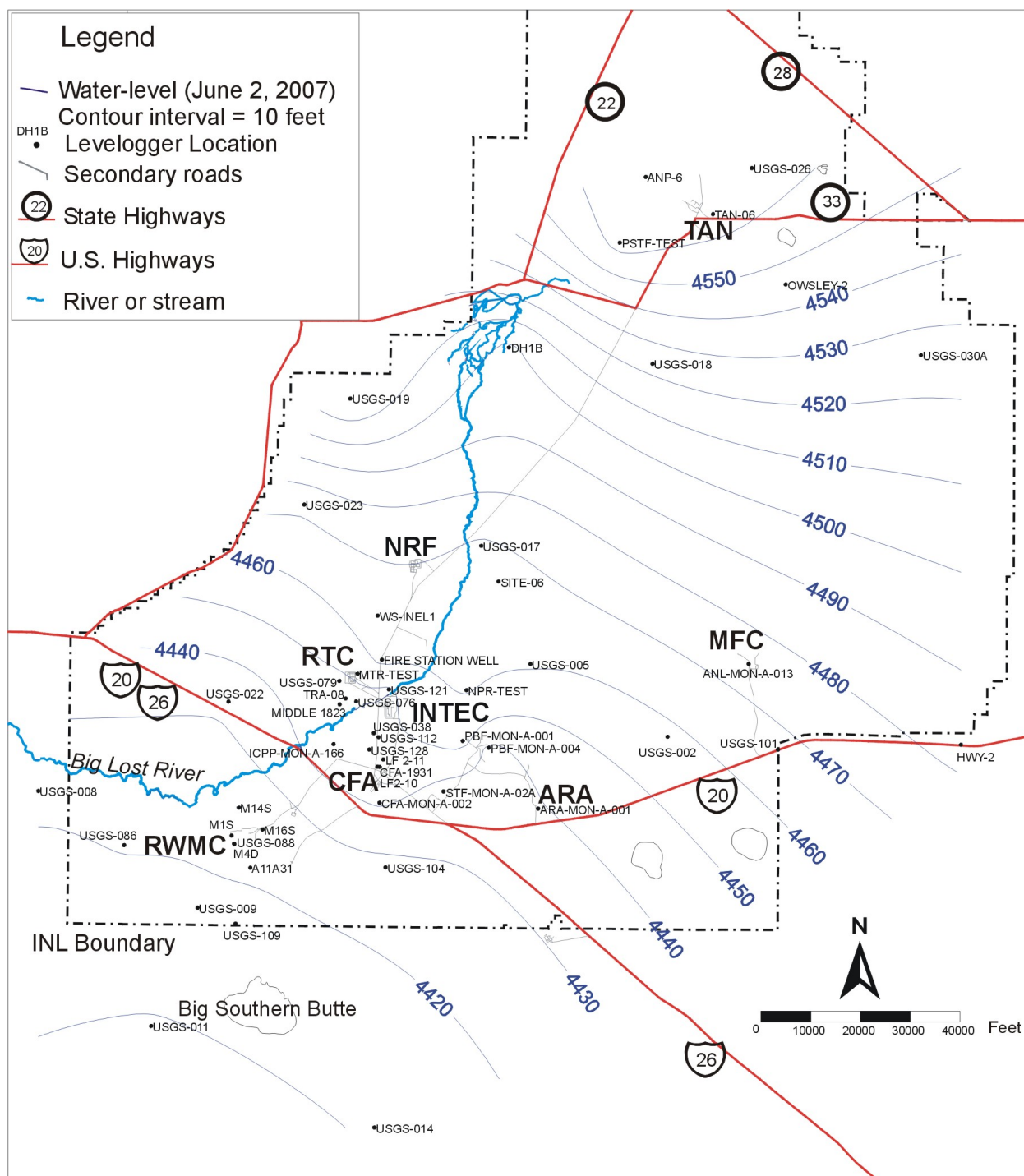


Figure 3. Plot of conductivity values for Wells USGS-104, -107, -110, -086, and -009.



2.1.2 Radiological Analytes

Radiological analytes detected in boundary and guard wells included gross alpha, gross beta, and tritium (Table 3). These analytes measured lower than their respective maximum contaminant levels (MCLs). Concentrations of gross alpha and gross beta in WAG 10 wells were at background levels, based on background values from Knobel, Orr, and Cecil (1992). Iodine-129, Tc-99, and Sr-90 were not detected in any samples. Tritium was detected in two wells (i.e., Wells USGS-104 and -106) and in two intervals from Westbay Well USGS-103. Wells USGS-104 and -106 have a history of tritium detections with both wells exhibiting a downward trend in tritium concentrations (Figure 5).

Tritium concentrations in Well USGS-104 are currently less than 800 pCi/L and considerably less than the MCL of 20,000 pCi/L (Table 3). Tritium was detected in two intervals from Well USGS-103 at depths of 1,095.1 ft (i.e., 360 pCi/L) and 1,269.4 ft (i.e., 437 pCi/L) below ground surface (bgs). Both detections of tritium in Well USGS-103 are close to the average minimum detectable activity of 311 pCi/L for the seven samples from Well USGS-103 (Table 3).

Table 3. Sampling results for gross alpha, gross beta, and tritium for Fiscal Year 2009.

Well	Gross Alpha (MCL = 15 pCi/L)			Gross Beta (MCL = 4 mrem/year) ^a			Tritium (MCL = 20,000 pCi/L)		
	pCi/L	± ^b	Validation Flag ^c	pCi/L	± ^b	Validation Flag ^c	pCi/L	± ^b	Validation Flag ^c
Guard Wells									
Highway 3	1.92	0.675	J	1.62	0.562	J	-71.3 ^d	85.9	U
USGS-002	1.36	0.676	UJ	3.95	1.09		-6.38	106	U
USGS-100	2.04	0.704	J	2.57	0.648		25.8	109	U
USGS-104	-0.159	0.333	U	1.62	0.53		753	132	
USGS-104 Dup	4.62	1.23		3.35	0.995		567	118	
USGS-106	1.88	0.757	UJ	3.42	0.876		467	111	
USGS-106 Dup	2.39	0.82	J	2.59	0.753		435	109	
USGS-107	3.14	0.985		3.04	1.06	UJ	0	87.7	U
INL Site Boundary Wells									
USGS-001	1.3	0.576	UJ	4.01	0.773		-60.4	86.1	U
USGS-009	2.4	0.911	J	6.42	1.21		47.3	89.4	U
USGS-086	4.22	0.849		6.3	0.882		-114	84.2	U
USGS-101	0.731	0.418	U	6.25	1.17		-64.5	85.7	U
USGS-105	NS	NS	NS	NS	NS	NS	NS	NS	NS
USGS-108	NS	NS	NS	NS	NS	NS	NS	NS	NS
USGS-109	0.454	0.496	U	3.79	0.859		101	91.1	U
USGS-110	2.02	0.741	J	4.23	1.03		0	88.3	U

Table 3. (continued).

Well	Gross Alpha (MCL = 15 pCi/L)			Gross Beta (MCL = 4 mrem/year) ^a			Tritium (MCL = 20,000 pCi/L)		
	pCi/L	± ^b	Validation Flag ^c	pCi/L	± ^b	Validation Flag ^c	pCi/L	± ^b	Validation Flag ^c
Westbay Wells and Depths									
USGS-103									
681.9	3.84	0.953		2.62	0.671		-28	106	U
805.2	0.924	0.419	UJ	4.31	0.697	J	70.6	106	U
913.8	1.53	0.545	UJ	3.32	0.738	J	122	87	U
999.4	1.88	0.571	UJ	2.73	0.596	UJ	107	86.4	U
1,095.1	1.07	0.449	UJ	3.32	0.594	J	360	99.9	
1,220.2	0.138	0.323	U	2	0.394	UJ	250	93.4	UJ
1,269.4	1.87	0.62	UJ	1.52	0.266	UJ	437	105	
USGS-132									
646.7	2.9	0.891		4.55	0.891		177	118	U
774.2	1.46	0.708	UJ	3.91	0.962		186	118	U
836	2.78	0.948	J	3.65	0.878		273	123	UJ
<p>a. The MCL for gross beta is based on an exposure criterion of 4 mrem/year. Gross beta concentrations are not directly compared to the MCL because the units are not the same. Gross beta results are used as an indicator of contamination.</p> <p>b. The uncertainty value is one standard deviation.</p> <p>c. See Appendix A, Section A-2, for data flag definitions.</p> <p>d. The data are reported as received from the laboratory. Negative analytical results for radiological analytes may occur as a result of counting procedures and result of calculation.</p> <p>Dup duplicate sample INL Idaho National Laboratory MCL maximum contaminant level NS not sampled</p>									

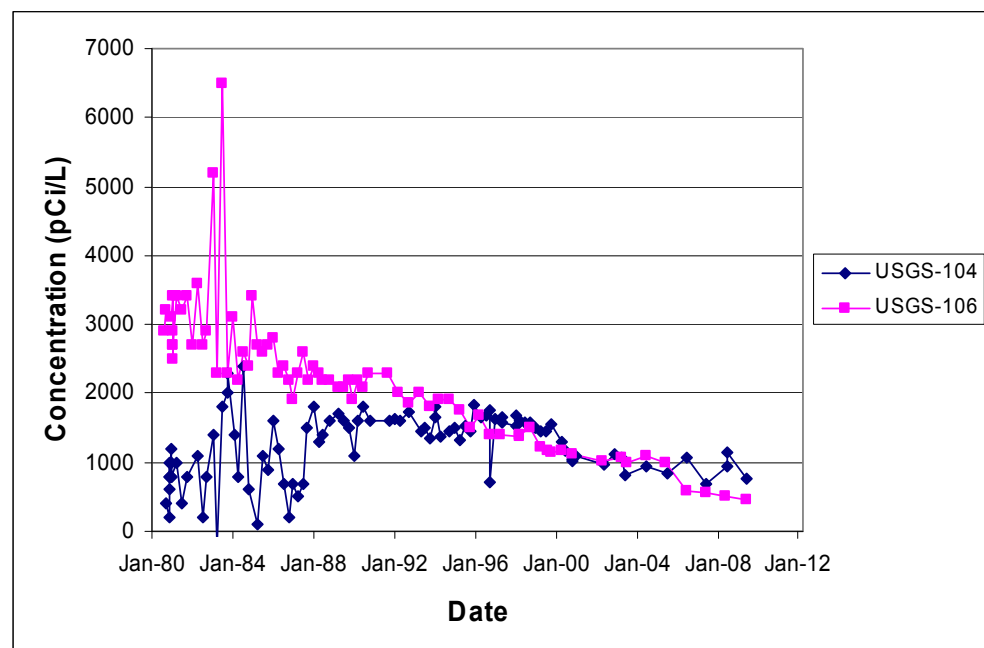


Figure 5. Tritium concentration trends for Wells USGS-104 and -106.

2.1.3 Volatile Organic Compounds

Two volatile organic compounds—toluene, and carbon tetrachloride—were detected at concentrations well below MCLs. Toluene was detected in the sample from the Highway 3 well at a concentration of 0.56 µg/L. The toluene detection was well below the MCL for toluene (i.e., 1,000 µg/L) and near the practical quantitation limit (i.e., 1 µg/L). The source of toluene in this well is uncertain. Toluene could be a laboratory contaminant; therefore, that source for the toluene cannot be ruled out. Vehicle exhaust is another possible explanation for the toluene detection because the well is located within a highway rest stop area. Carbon tetrachloride was detected in Well USGS-109, located south of RWMC on the INL Site boundary, and was also detected in one interval from Westbay Well USGS-132, located south of RWMC. The maximum detected concentration was 0.452 µg/L in the uppermost sample (i.e., 646.7 ft bgs) from Well USGS-132 south of RWMC. Detected carbon tetrachloride values are estimated or J-flagged and are close to the method detection limit. The detected carbon tetrachloride concentrations are below the MCL of 5 µg/L. A carbon tetrachloride plume originates at RWMC, and carbon tetrachloride detections probably represent migration from RWMC.

2.1.4 Metals and Anions

Table 4 provides summary data for anions, common cations, and metals and compares them to MCLs or secondary MCLs. Data also are compared to USGS background values for the INL Site (USGS 1999). When data for WAG 10 boundary and guard wells are compared to MCLs and secondary MCLs, iron is the only analyte above its MCL, secondary MCL, or U.S. Environmental Protection Agency action level. Iron was detected above its secondary MCL in one well, USGS-110. However, reported iron concentrations for several wells are inconsistent with observed dissolved-oxygen levels and slightly alkaline pH in the aquifer because iron has a very low solubility in these conditions (Figure 6). Iron concentrations in several wells have increased in recent years, but the cause of the elevated iron concentrations is uncertain. Lead occurred at concentrations of 14.1 and 13.3 µg/L in Wells USGS-100 and -106, respectively. These concentrations are close to the action level of 15 µg/L for lead. Both occurrences were in wells with above-background zinc concentration. The association of elevated lead and zinc concentrations at Wells USGS-100 and USGS-106 is probably due to corrosion of galvanized riser pipe, as discussed below.

Though not above its secondary MCL, zinc concentrations in the groundwater samples from Wells USGS-100 and USGS-106 are well above background concentrations (Figure 7). Elevated zinc concentrations in these groundwater monitoring wells are probably the result of corroding galvanized discharge or riser pipe used in their construction. Elevated zinc concentrations in groundwater have been correlated to galvanized riser pipes for other wells at the INL Site (INEEL 2003; ICP 2004). After the galvanized riser pipes in Wells USGS-86, USGS-104, and USGS-109 were replaced, zinc concentrations in those wells dropped to background levels (Figure 6). Zinc concentrations in USGS-103 have decreased in all Westbay intervals compared to zinc results before replacing the riser pipe and pump with the Westbay system.

Though not above its MCL, nitrate concentrations in Wells USGS-100 and -002—south and southwest of the Materials and Fuels Complex—have been increasing (Figure 8). In addition, nitrate concentrations in Well USGS-101 also show an increasing trend, but to a lesser extent than for Wells USGS-100 and USGS-002. Increasing nitrate concentrations can be an indicator of contamination. The spike in nitrate concentrations observed in FY 2007, at Wells USGS-100 and -002, has reverted to the long-term, slow-increase trend. The source of slowly increasing nitrate concentrations is probably migration of agricultural contamination from the northeastern boundary of the INL Site, across the eastern part of the INL Site (DOE-ID 2008a), rather than contamination from INL Site facilities. Migration of agricultural contaminants along the eastern side of the INL Site is consistent with groundwater flow paths indicated by INL Site-wide water-level measurements and the Site-wide automated monitoring network (DOE-ID 2005, 2006, 2008a).

Table 4. Summary of inorganic results.

Table 7: Summary of Monitoring Results:									
Compound	Sample Units	Guard Well ^a		Boundary Well ^b		Maximum Contaminant Level or Secondary Maximum Contaminant Level ^c	Background ^d	Detections Above Background	Detections Above Maximum Contaminant Level or Secondary Maximum Contaminant Level
		Min.	Max.	Min.	Max.				
Anions									
Alkalinity	mg/L	121	155	104	145	None	169–174	No	NA
Chloride	mg/L	5.55	21.2	9.11	19.2	250	16–27	No	0
Fluoride	mg/L	0.192	0.717	0.178	0.896	2	0.3–0.5	Yes	0
Nitrate/nitrite	mg/L	0.5	1.95	0.232	1.48	10	1–2	No	0
Sulfate	mg/L	15.2	37.2	10.3	26.1	250	24–31	Yes	0
Common Cations									
Calcium	µg/L	33,200	43,300	22,100	41,200	None	43,000–46,000	No	NA
Magnesium	µg/L	10,400	17,500	8,930	18,100	None	15,000	Yes	NA
Potassium	µg/L	2,000	3,510	2,260	2,990	None	3,100–3,500	Yes	NA
Sodium	µg/L	4,950	24,700	9,600	16,100	None	14,000–17,000	Yes	NA
Metals									
Aluminum	µg/L	U	U	U	U	50–200	10–13	No	0
Antimony	µg/L	U	U	U	U	6	—	—	0
Arsenic	µg/L	1.6	4.82	1.6	5.37	10	2–3	Yes	0
Barium	µg/L	31	56	17.4	45.8	2,000	50–70	No	0
Beryllium	µg/L	U	U	U	U	4	—	—	0
Cadmium	µg/L	U	0.525	U	U	5	<1	No	0
Chromium	µg/L	U	9.91	U	11.5	100	2–3	Yes	0
Cobalt	µg/L	U	4.33	U	3.78	None	3	Yes	NA
Copper	µg/L	0.349	1.24	0.455	0.982	1,300/1,000	<1	Yes	0
Iron	µg/L	77.9	237	65.7	361	300	16–25	Yes	1
Lead	µg/L	U	14.1	U	U	15 ^e	1–5	Yes	0
Manganese	µg/L	U	7.12	U	48.5	50	7	Yes	0
Mercury	µg/L	U	U	U	U	2	—	No	0
Nickel	µg/L	0.756	1.43	0.671	1.82	None	10	No	NA
Selenium	µg/L	U	1.39	U	1.55	50	<1	Yes	0

Table 4. (continued).

Compound	Sample Units	Guard Well ^a		Boundary Well ^b		Maximum Contaminant Level or Secondary Maximum Contaminant Level ^c	Background ^d	Detections Above Background	Detections Above Maximum Contaminant Level or Secondary Maximum Contaminant Level
		Min.	Max.	Min.	Max.				
Silver	µg/L	U	U	U	U	None	2	No	NA
Strontium	µg/L	139	236	91.9	220	None	220–237	No	NA
Thallium	µg/L	U	0.373	U	0.375	2	—	—	0
Uranium	µg/L	1.41	3.06	0.585	2.43	30	—	—	0
Vanadium	µg/L	U	6.68	U	10.4	None	8	Yes	NA
Zinc	µg/L	U	189	U	45.2	5,000	10.5–54	Yes	0

a. Guard wells include sampling from Westbay Well USGS-132.

b. Boundary wells include sampling of Westbay Well USGS-103.

c. Numbers in *italic* are for secondary maximum contaminant levels.

d. Background is from two sources. Plain numbers are from Knobel, Orr, and Cecil (1992); italicized numbers are from USGS (1999)—median and mean values. Note that these two sources are Site-wide background values; local background may be different.

e. The action level for lead is 15 µg/L.

— no background level was determined

NA not applicable

U data qualifier flag: the analyte was analyzed for but not detected

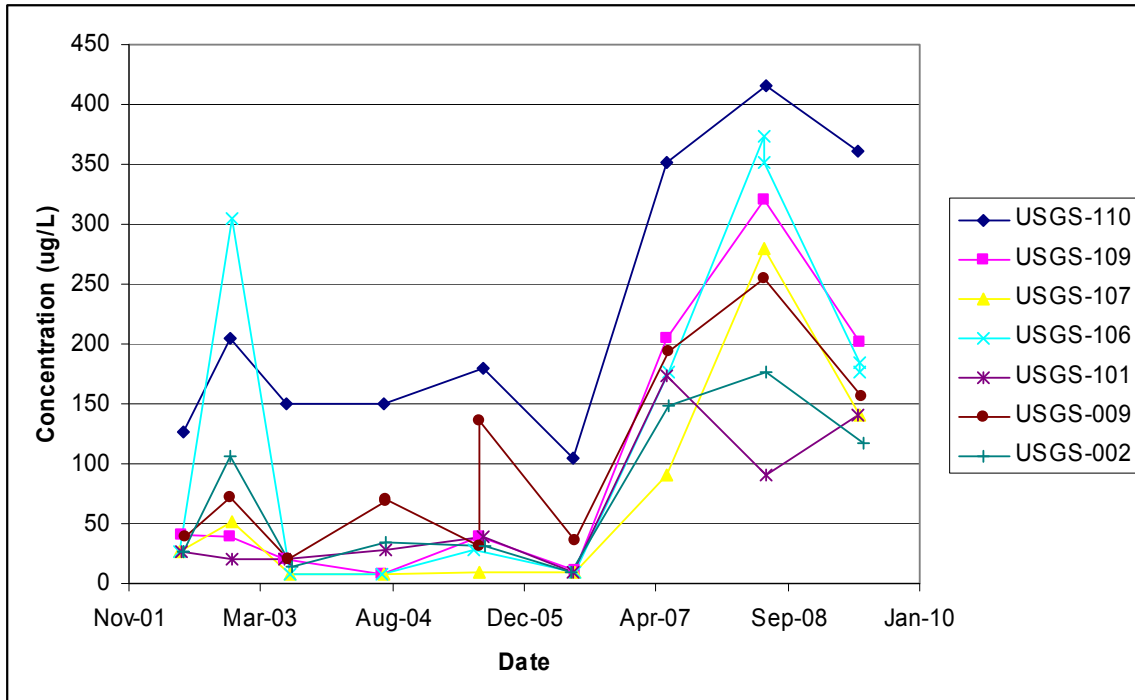


Figure 6. Iron concentrations in select wells, November 2001 through January 2010.

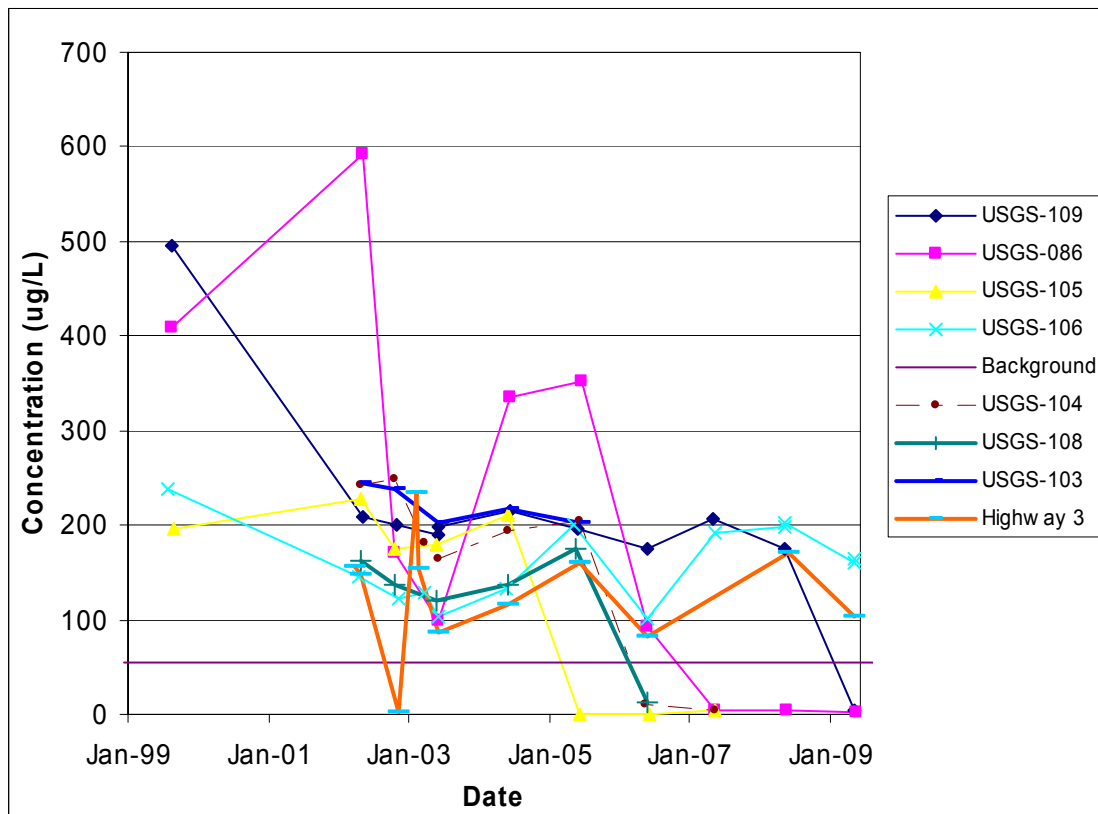


Figure 7. Zinc concentrations at selected wells that contain galvanized riser pipes, January 1999 through January 2009.

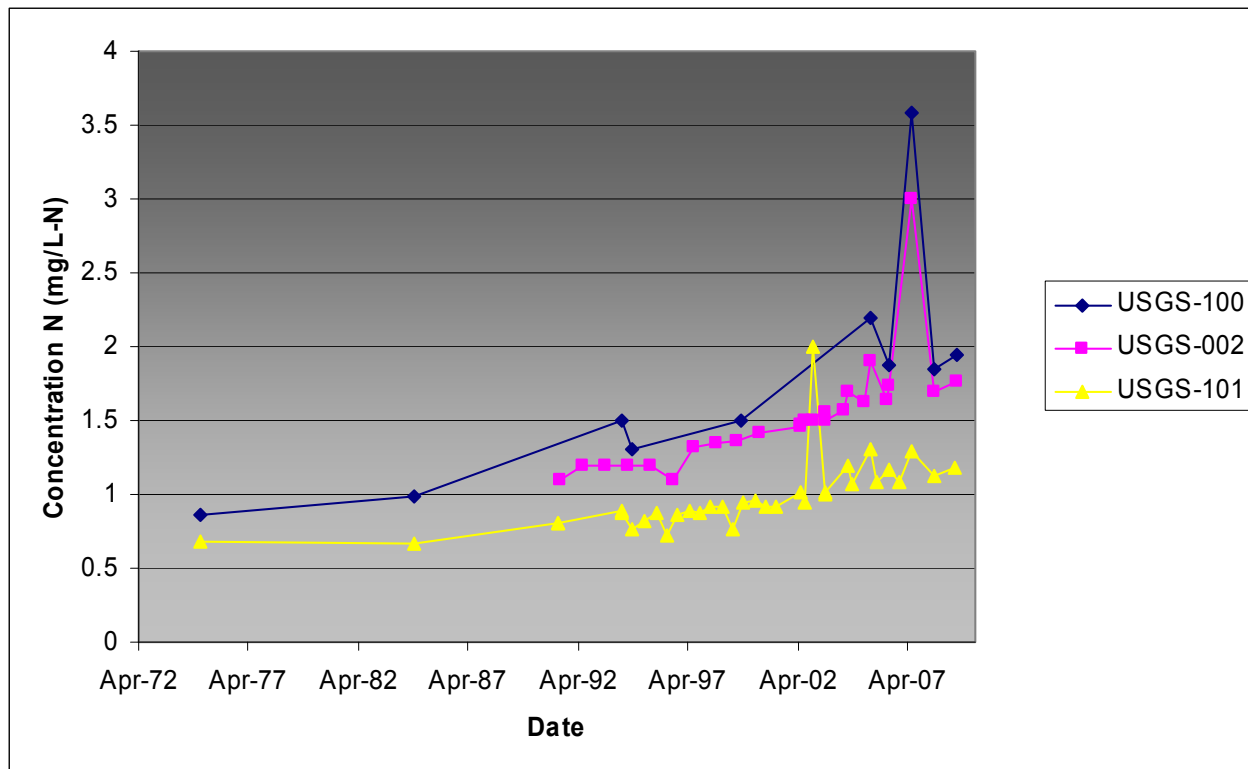


Figure 8. Nitrate trends in Wells USGS-100, -002, and -101, April 1972 through April 2007.

2.2 Vertical Concentration Profiles for Westbay Wells

Westbay multilevel sampling systems were installed in Wells USGS-103 and -132 to evaluate the vertical distribution of contaminants. Well USGS-132 is located south of RWMC, and Well USGS-103 is located south of the Central Facilities Area on the southern boundary of the INL Site. Vertical distribution of analytes will be used to select possible sampling intervals for long-term monitoring.

Figure 9 shows vertical distributions of tritium, chloride, and sulfate at Well USGS-132, south of RWMC, for the three intervals sampled. Chloride and sulfate concentrations show a sharp decrease from the 646-ft sampling depth to the 774-ft sampling depth. In addition to elevated anions, carbon tetrachloride was detected in the 646-ft-depth sample. The occurrence of elevated anions and carbon tetrachloride indicates that this interval is monitoring migration from the RWMC area. This chloride and sulfate distribution is consistent with past sampling. Higher chloride and sulfate concentrations in the 646-ft-depth sample are similar to concentrations from wells that sample near the water table south of RWMC (DOE-ID 2008a, 2008b). Tritium was below the minimum detectable activity at all depths.

Figure 10 shows vertical distributions of tritium, chloride, and sulfate at Well USGS-103, which is on the southern boundary of the INL Site. Chloride concentrations show a sharp decrease from the 681.9-ft sampling depth to the 913.8-ft sampling depth. In contrast to chloride, sulfate concentrations increased slightly from the 681.9-ft depth to the 805.2-ft depth; whereas, previously, chloride and sulfate both declined. The cause of the increase in sulfate concentrations from the 681.9-ft depth to the 805.2-ft depth is uncertain. From the 913.8-ft depth to the deepest port (i.e., 1,269 ft bgs), sulfate and chloride concentrations show a slight increase. Tritium data for Well USGS-103 show detections near the minimum detectable activity at 1,095.1 and 1,269.4 ft bgs. In 2008, tritium was below the MDA in all

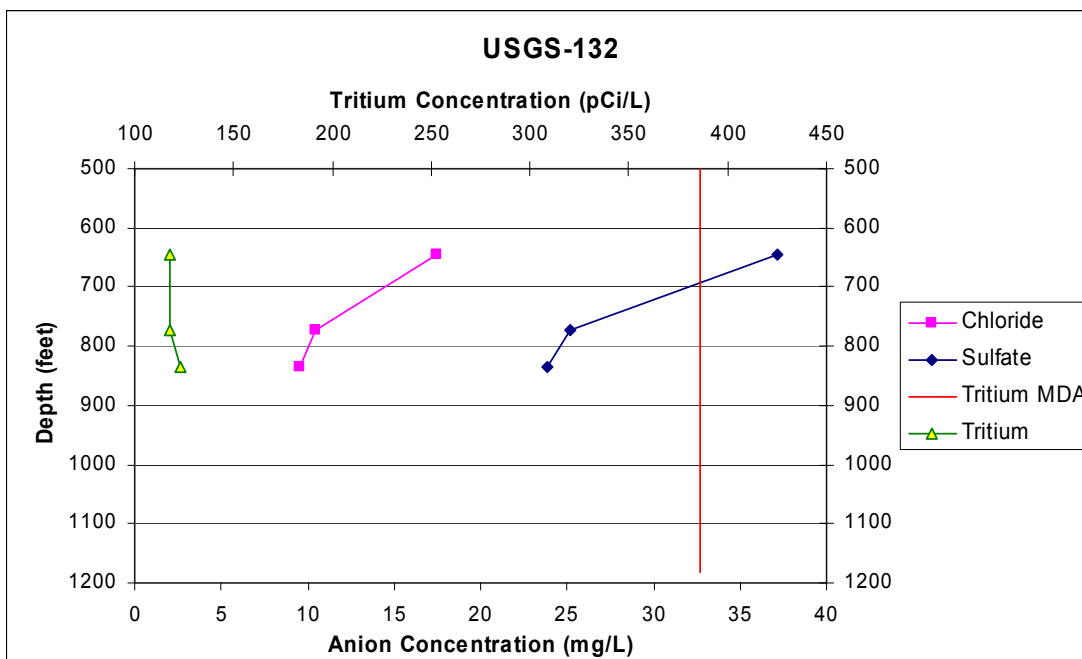


Figure 9. Vertical distribution of tritium, chloride, and sulfate in Well USGS-132.

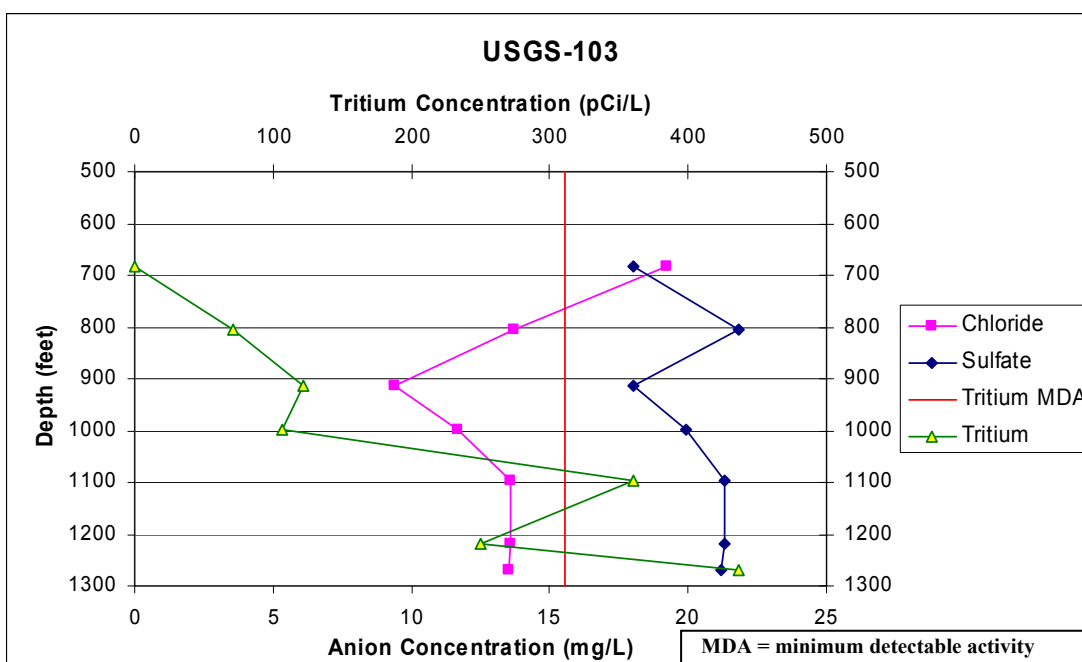


Figure 10. Vertical distribution of tritium, chloride, and sulfate in Well USGS-103.

intervals except 999 and 1,095 ft bgs; however, the result for the deepest sample (1,269 ft bgs) was flagged as non-detect because of blank contamination. The 2009 result for the 1,269-ft-depth sample yielded a value similar to the 2008 sample; however, in contrast, the 2008 result was not flagged non-detect because of blank contamination. The other difference between the 2008 and 2009 data is that tritium was detected in the 999-ft-depth sample in 2008 but not in the 2009 sample from the same depth. Because tritium measured only marginally above the MDA in 2008, the non-detect from 999-ft-depth sample in 2009 is only marginally different.

3. SUMMARY

Groundwater samples collected from 12 wells and 2 Westbay wells, with 10 sampling intervals, were sampled for OU 10-08 monitoring. During FY 2009 groundwater monitoring, no contaminant exceeded MCLs in any wells along the southern boundary of the INL Site or in the guard wells. Lead was detected just below its action level of 15 µg/L in Wells USGS-100 and USGS-106. However, the elevated lead concentrations in Wells USGS-100 and -106 are probably the result of the corrosion of galvanized riser pipes. Elevated zinc concentrations in these wells implicate the galvanized riser pipe as the cause of the elevated lead concentration. Once the galvanized pipe is replaced, both lead and zinc concentrations should decline as has been observed at other WAG 10 wells.

Iron concentration in Well USGS-110 was 361 µg/L, which is higher than its secondary MCL of 300 µg/L. However, the elevated iron concentration is not consistent with the observed high dissolved-oxygen concentrations and the slightly alkaline pH of the aquifer. Dissolved iron concentrations in the aquifer should be low due to the oxidizing conditions and slightly alkaline pH. The cause of the high iron concentrations is uncertain because the iron and dissolved oxygen data are inconsistent.

4. REFERENCES

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Appendix A

Analytical Results from Fiscal Year 2009
Groundwater Sampling

Appendix A

Analytical Results from Fiscal Year 2009 Groundwater Sampling for Waste Area Group 10

A-1. INTRODUCTION

This appendix presents groundwater analytical results from Fiscal Year (FY) 2009 for Waste Area Group (WAG) 10 at the Idaho National Laboratory Site. Table A-1 presents a summary of the analytes and analytical methods.

Table A-1. Analytes and method codes.

Analyte	Method Code	Method Description
Volatile organic compounds	SW8260B	Volatile organic compounds by gas chromatography/mass spectrometry
Sulfate, chloride, fluoride, nitrogen, nitrate/nitrite	EPA300	Inorganic anions by ion chromatography
Alkalinity, total as CaCO ₃	SM2320B-B	Bicarbonate by Standard Method 2320B
Tritium	LSC	Liquid scintillation
Metals, except mercury	SW6020	Inductively coupled plasma/mass spectrometry
Mercury	SW7470A	Mercury in liquid waste (manual cold-vapor technique)
Sr-90	GFP	Gas flow proportional counter
Tc-99	LSC	Liquid scintillation
I-129	OTR	Other radiochemical analyses
Gross alpha	GAB	Gross alpha/beta
Gross beta	GAB	Gross alpha/beta

A-2. DATA QUALIFIER FLAGS

Data qualifier flags used in this appendix comprise a consolidation of laboratory- and validation-assigned flags. Data qualifier flags for organic, inorganic, and radiological results are defined as follows:

Organic Qualifier Flags:

- B—Analyte was detected in the associated laboratory method blank as well as in the sample.
- U—Analyte was analyzed for but not detected.
- UJ—Associated value is an estimate and might be inaccurate or imprecise. The result is considered a nondetect for project data interpretation purposes.
- J—Analyte was detected, but the associated values are an estimate and might be inaccurate or imprecise.
- N—Presumptive evidence indicates that a compound is present.
- NJ or JN—Presumptive evidence indicates that a compound is present, and associated values are an estimate.
- R—Accuracy of the data is so questionable that it is recommended that the data not be used. The “R” flag overrides all other applicable flags.

Inorganic Qualifier Flags:

- B—The result is less than the contract-required reporting limit but greater than or equal to the instrument detection limit.
- E—Reported value was estimated because of the presence of interference.
- N—The spiked sample recovery was outside control limits.
- U—The analyte was not detected.
- UJ—The associated value is an estimate and might be inaccurate or imprecise. The result is considered a nondetect for project data-interpretation purposes.
- R—Accuracy of the data is so questionable that it is recommended that the data not be used. The “R” flag overrides all other applicable flags.

Radiological Qualifier Flags:

- J—The associated value is estimated. The result might not be an accurate representation of the amount of activity present in the sample.
- R—Accuracy of the data is so questionable that it is recommended that the data not be used. The “R” flag overrides all other applicable flags.

- U—The radionuclide is not considered present in the sample (i.e., nondetect).
- UJ—The radionuclide might or might not be present, and the result is considered highly questionable. The associated value is an estimate and might be inaccurate or imprecise. The result is considered a nondetect for project data interpretation purposes.

A-3. GROUNDWATER DATA

Table A-2 presents FY 2009 monitoring data for WAG 10 (i.e., boundary, guard, and Westbay wells). The complete groundwater data set (in Excel) is provided on the compact disc attached to the inside back cover of this report.

Note that alkalinity data are reported in units of mg/L as calcium carbonate. In Table A-2 and on the compact disc, samples and duplicate samples are designated as 01 and 02 before the two-character analysis code. For example, sample GWA047022X is the duplicate metals sample for GWA047012X from Well USGS-104. The analytical result and a “U” flag is the practical quantitation limit for the nonradiological analytes.

Table A-2. Waste Area Group 10 groundwater monitoring data for Fiscal Year 2009.

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA044012X	HIGHWAY 3	538	Aluminum	15		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Antimony	1		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Arsenic	1.6		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Barium	50.2		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Beryllium	0.1		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Cadmium	0.11		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Calcium	40600				UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Chromium	2		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Cobalt	1.17		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Copper	0.862		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Iron	173				UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Lead	0.5		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Magnesium	10900				UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Manganese	3.05		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Mercury	0.067		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Nickel	0.89		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Potassium	2150		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Selenium	1		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Silver	0.2		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Sodium	4950		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Strontium	236				UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Thallium	0.3		U		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Uranium	2.14		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Vanadium	4.25		B		UG/L	06/09/2009		HCJ-161-09
GWA044012X	HIGHWAY 3	538	Zinc	103				UG/L	06/09/2009		HCJ-161-09
GWA04401A1	HIGHWAY 3	538	Alkalinity, Total as CaCO3	146				MG/L	06/09/2009		HCJ-157-09
GWA04401AN	HIGHWAY 3	538	Bromide	0		U		MG/L	06/09/2009		HCJ-159-09
GWA04401AN	HIGHWAY 3	538	Chloride	5.55				MG/L	06/09/2009		HCJ-159-09
GWA04401AN	HIGHWAY 3	538	Fluoride	0.237		J		MG/L	06/09/2009		HCJ-159-09
GWA04401AN	HIGHWAY 3	538	Sulfate	20.1				MG/L	06/09/2009		HCJ-159-09
GWA04401N2	HIGHWAY 3	538	Nitrogen, Nitrate/Nitrite	0.5				MG/L	06/09/2009		HCJ-155-09
GWA04401VL	HIGHWAY 3	538	Dichlorodifluoromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Chloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Vinyl Chloride	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Bromomethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Chloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Trichlorofluoromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Acetone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,1-Dichloroethene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Methyl acetate	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Methylene Chloride	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Carbon disulfide	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Tert-butyl methyl ether	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	trans-1,2-Dichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04401VL	HIGHWAY 3	538	1,1-Dichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	2-Butanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	cis-1,2-Dichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Chloroform	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,1,1-Trichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Cyclohexane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Carbon tetrachloride	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2-Dichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Benzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Trichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2-Dichloropropane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Methyl cyclohexane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Bromodichloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	4-Methyl-2-pentanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	cis-1,3-Dichloropropylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Toluene	0.56		J	J	UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	trans-1,3-Dichloropropylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,1,2-Trichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	2-Hexanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Tetrachloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Dibromochloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2-Dibromoethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Chlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Ethylbenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Styrene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Bromoform	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Isopropylbenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,3-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,4-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Trichlorotrifluoroethane	5		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	Xylene (Total)	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2,4-Trichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401VL	HIGHWAY 3	538	1,2-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA04401R8	HIGHWAY 3	538	Tritium	-7.13E+01	8.59E+01		U	PCI/L	06/09/2009	3.06E+02	BAM-119-09
GWA04401RH	HIGHWAY 3	538	Gross Alpha	1.92E+00	6.75E-01		J	PCI/L	06/09/2009	1.28E+00	BAM-120-09
GWA04401RH	HIGHWAY 3	538	Gross Beta	1.62E+00	5.62E-01		J	PCI/L	06/09/2009	1.52E+00	BAM-120-09
GWA04401RH	HIGHWAY 3	538	Strontium-90	1.11E-01	1.03E-01		U	PCI/L	06/09/2009	3.51E-01	BAM-120-09
GWA04401RH	HIGHWAY 3	538	Technetium-99	-2.98E+00	1.60E+00		U	PCI/L	06/09/2009	5.88E+00	BAM-120-09
GWA04401UX	HIGHWAY 3	538	Iodine-129	2.21E-02	2.22E-02		U	PCI/L	06/09/2009	8.12E-02	BAM-118-09
GWA05301A1	FIELD BLANK	NA	Alkalinity, Total as CaCO3	1.04		J	U	MG/L	06/17/2009		HCJ-156-09
GWA05301AN	FIELD BLANK	NA	Bromide	0		U		MG/L	06/17/2009		HCJ-158-09
GWA05301AN	FIELD BLANK	NA	Chloride	0		U		MG/L	06/17/2009		HCJ-158-09

Table A-2. (continued).

Field Sample	Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA05301AN	FIELD BLANK	NA	Fluoride	0			U		MG/L	06/17/2009		HCJ-158-09
GWA05301AN	FIELD BLANK	NA	Sulfate	0			U		MG/L	06/17/2009		HCJ-158-09
GWA05301N2	FIELD BLANK	NA	Nitrogen, Nitrate/Nitrite	0.06			J	U	MG/L	06/17/2009		HCJ-154-09
GWA05302A1	FIELD BLANK	NA	Alkalinity, Total as CaCO3	1.04			J	U	MG/L	07/02/2009		HCJ-168-09
GWA05302AN	FIELD BLANK	NA	Bromide	0			U		MG/L	07/02/2009		HCJ-170-09
GWA05302AN	FIELD BLANK	NA	Chloride	0			U		MG/L	07/02/2009		HCJ-170-09
GWA05302AN	FIELD BLANK	NA	Fluoride	0			U		MG/L	07/02/2009		HCJ-170-09
GWA05302AN	FIELD BLANK	NA	Sulfate	0			U		MG/L	07/02/2009		HCJ-170-09
GWA05303AN	FIELD BLANK	NA	Bromide	0			U		MG/L	07/13/2009		HCJ-170-09
GWA05303AN	FIELD BLANK	NA	Chloride	0			U		MG/L	07/13/2009		HCJ-170-09
GWA05303AN	FIELD BLANK	NA	Fluoride	0			U		MG/L	07/13/2009		HCJ-170-09
GWA05303AN	FIELD BLANK	NA	Sulfate	0			U		MG/L	07/13/2009		HCJ-170-09
GWA05302N2	FIELD BLANK	NA	Nitrogen, Nitrate/Nitrite	0.00331			U		MG/L	07/02/2009		HCJ-171-09
GWA05303N2	FIELD BLANK	NA	Nitrogen, Nitrate/Nitrite	0.00992			U		MG/L	07/13/2009		HCJ-171-09
GWA05303A1	FIELD BLANK	NA	Alkalinity, Total as CaCO3	0.521			U		MG/L	07/13/2009		HCJ-169-09
GWA053012X	FIELD BLANK	NA	Aluminum	15			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Antimony	1			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Arsenic	1.6			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Barium	0.6			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Beryllium	0.1			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Cadmium	0.11			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Calcium	81			B	U	UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Chromium	2			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Cobalt	0.1			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Copper	13.2			B		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Iron	33			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Lead	0.711			B		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Magnesium	5.2			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Manganese	1			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Mercury	0.066			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Nickel	0.5			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Potassium	80			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Selenium	1			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Silver	0.2			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Sodium	80			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Strontium	2			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Thallium	0.3			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Uranium	0.05			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Vanadium	3			U		UG/L	06/17/2009		HCJ-160-09
GWA053012X	FIELD BLANK	NA	Zinc	42.9					UG/L	06/17/2009		HCJ-160-09
GWA053022X	FIELD BLANK	NA	Aluminum	15			U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA	Antimony	1			U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA	Arsenic	1.6			U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA	Barium	0.6			U		UG/L	07/02/2009		HCJ-172-09

Table A-2. (continued).

Field Sample	Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA053022X	FIELD BLANK	NA		Beryllium	0.1		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Cadmium	0.11		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Calcium	65		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Chromium	2		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Cobalt	0.1		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Copper	0.734		B		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Iron	33		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Lead	0.5		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Magnesium	5.2		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Manganese	1		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Mercury	0.066		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Nickel	0.5		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Potassium	80		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Selenium	1		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Silver	0.2		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Sodium	80		UE	UJ	UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Strontium	2		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Thallium	0.3		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Uranium	0.05		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Vanadium	3		U		UG/L	07/02/2009		HCJ-172-09
GWA053022X	FIELD BLANK	NA		Zinc	3		U		UG/L	07/02/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Aluminum	15		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Antimony	1		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Arsenic	2.48		B	U	UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Barium	0.6		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Beryllium	0.1		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Cadmium	0.11		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Calcium	66.5		B		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Chromium	2		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Cobalt	0.1		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Copper	2.28		B		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Iron	33		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Lead	0.5		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Magnesium	5.2		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Manganese	1		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Mercury	0.066		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Nickel	0.5		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Potassium	80		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Selenium	1		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Silver	0.2		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Sodium	80		UE		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Strontium	2		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Thallium	0.3		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA		Uranium	0.05		U		UG/L	07/13/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA053032X	FIELD BLANK	NA	Vanadium	3		U		UG/L	07/13/2009		HCJ-172-09
GWA053032X	FIELD BLANK	NA	Zinc	3		U		UG/L	07/13/2009		HCJ-172-09
GWA05401VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Acetone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Chloroform	2.96				UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Benzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Toluene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Tetrachloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Styrene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05401VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05401VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Acetone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Chloroform	2.9			J	UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Benzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Toluene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Tetrachloroethylene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Styrene	1		U		UG/L	06/09/2009		HCJ-148-09

Table A-2. (continued).

Field Sample		Depth	Compound	Sample	Sample	Result	Validation	Sample	Date Sample	MDA	L&V Report Number
Number	Location			Result	Error	Qualifier	Flag	Units	Collected		
GWA05402VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05402VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/09/2009		HCJ-148-09
GWA05301VL	FIELD BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Chloromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Vinyl Chloride	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Bromomethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Chloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Acetone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Methyl acetate	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Methylene Chloride	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Carbon disulfide	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	2-Butanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Chloroform	0.368		J		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Cyclohexane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Benzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Trichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Bromodichloromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Toluene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	2-Hexanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Tetrachloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Dibromochloromethane	1		U		UG/L	06/17/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05301VL	FIELD BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Chlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Ethylbenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Styrene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Bromoform	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Isopropylbenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	Xylene (Total)	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05301VL	FIELD BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Acetone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Chloroform	0.403		J		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Benzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Toluene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05403VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Tetrachloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Styrene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05403VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Acetone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Chloroform	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Benzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	06/22/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05404VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Toluene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Tetrachloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Styrene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA05404VL	TRIP BLANK	NA	Unknown	5.4		J		UG/L	06/22/2009		
GWA05404VL	TRIP BLANK	NA	Unknown Siloxane	13.5		J		UG/L	06/22/2009		
GWA05302VL	FIELD BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Chloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Vinyl Chloride	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Bromomethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Chloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Trichlorofluoromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Acetone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,1-Dichloroethene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Methyl acetate	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Methylene Chloride	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Carbon disulfide	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,1-Dichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	2-Butanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Chloroform	2.8			J	UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Cyclohexane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Carbon tetrachloride	1		U		UG/L	07/02/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05302VL	FIELD BLANK	NA	1,2-Dichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Benzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Trichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,2-Dichloropropane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Methyl cyclohexane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Bromodichloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Toluene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	2-Hexanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Tetrachloroethylene	0.336		BJ	J	UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Dibromochloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,2-Dibromoethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Chlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Ethylbenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Styrene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Bromoform	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Isopropylbenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Xylene (Total)	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA05302VL	FIELD BLANK	NA	Unknown	11.3		J		UG/L	07/02/2009		
GWA05405VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Acetone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	06/29/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05405VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Chloroform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Benzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Toluene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Tetrachloroethylene	0.349		BJ	J	UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Styrene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05405VL	TRIP BLANK	NA	Unknown	10.5		J		UG/L	06/29/2009		
GWA05406VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Acetone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	07/07/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05406VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Chloroform	3.18			J	UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Benzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Toluene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Tetrachloroethylene	0.671		BJ	J	UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Styrene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05406VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA05303VL	FIELD BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Chloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Vinyl Chloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Bromomethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Chloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Trichlorofluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05303VL	FIELD BLANK	NA	Acetone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,1-Dichloroethene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Methyl acetate	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Methylene Chloride	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Carbon disulfide	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,1-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	2-Butanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Chloroform	2.59			J	UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Carbon tetrachloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Benzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Trichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2-Dichloropropane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Methyl cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Bromodichloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Toluene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	2-Hexanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Tetrachloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Dibromochloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2-Dibromoethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Chlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Ethylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Styrene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Bromoform	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Isopropylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	Xylene (Total)	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05303VL	FIELD BLANK	NA	unknown	13.8		J		UG/L	07/13/2009		
GWA05303VL	FIELD BLANK	NA	unknown siloxane	21.8		J		UG/L	07/13/2009		

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05407VL	TRIP BLANK	NA	Dichlorodifluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Chloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Vinyl Chloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Bromomethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Chloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Trichlorofluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Acetone	1.78		J		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,1-Dichloroethene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Methyl acetate	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Methylene Chloride	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Carbon disulfide	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Tert-butyl methyl ether	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	trans-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,1-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	2-Butanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	cis-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Chloroform	2.72		J		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,1,1-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Carbon tetrachloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Benzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Trichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2-Dichloropropane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Methyl cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Bromodichloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	4-Methyl-2-pentanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	cis-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Toluene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	trans-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,1,2-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	2-Hexanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Tetrachloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Dibromochloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2-Dibromoethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Chlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Ethylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Styrene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Bromoform	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Isopropylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,3-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,4-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/13/2009		HCJ-167-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05407VL	TRIP BLANK	NA	Trichlorotrifluoroethane	5		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	Xylene (Total)	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2,4-Trichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	1,2-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA05407VL	TRIP BLANK	NA	unknown	14.4		J		UG/L	07/13/2009		
GWA05407VL	TRIP BLANK	NA	unknown siloxane	25.3		J		UG/L	07/13/2009		
GWA05302R8	FIELD BLANK	NA	Tritium	2.33E+01	8.30E+01		U	PCI/L	07/02/2009	2.87E+02	BAM-116-09
GWA05303R8	FIELD BLANK	NA	Tritium	-3.87E+01	8.07E+01		U	PCI/L	07/13/2009	2.86E+02	BAM-116-09
GWA05302RH	FIELD BLANK	NA	Gross Alpha	2.77E-01	2.47E-01		U	PCI/L	07/02/2009	8.92E-01	BAM-115-09
GWA05302RH	FIELD BLANK	NA	Gross Beta	2.65E-01	3.32E-01		U	PCI/L	07/02/2009	1.16E+00	BAM-115-09
GWA05303RH	FIELD BLANK	NA	Gross Alpha	-4.90E-02	2.58E-01		U	PCI/L	07/13/2009	1.13E+00	BAM-115-09
GWA05303RH	FIELD BLANK	NA	Gross Beta	1.04E+00	6.01E-01		U	PCI/L	07/13/2009	1.95E+00	BAM-115-09
GWA05302RH	FIELD BLANK	NA	Strontium-90	1.28E-01	8.10E-02		U	PCI/L	07/02/2009	2.67E-01	BAM-115-09
GWA05303RH	FIELD BLANK	NA	Strontium-90	2.06E-02	1.28E-01		U	PCI/L	07/13/2009	4.55E-01	BAM-115-09
GWA05302RH	FIELD BLANK	NA	Technetium-99	-2.25E+00	2.33E+00		U	PCI/L	07/02/2009	8.05E+00	BAM-115-09
GWA05303RH	FIELD BLANK	NA	Technetium-99	0.00E+00	2.37E+00		U	PCI/L	07/13/2009	8.07E+00	BAM-115-09
GWA05302UX	FIELD BLANK	NA	Iodine-129	-8.17E-03	2.72E-02		U	PCI/L	07/02/2009	8.80E-02	BAM-117-09
GWA05303UX	FIELD BLANK	NA	Iodine-129	-4.36E-02	1.45E-02		U	PCI/L	07/13/2009	3.26E-02	BAM-117-09
GWA05301R8	FIELD BLANK	NA	Tritium	-4.95E+01	1.05E+02		U	PCI/L	06/17/2009	3.86E+02	BAM-119-09
GWA05301RH	FIELD BLANK	NA	Gross Alpha	1.26E+00	4.90E-01		UJ	PCI/L	06/17/2009	1.40E+00	BAM-120-09
GWA05301RH	FIELD BLANK	NA	Gross Beta	2.77E+00	6.07E-01			PCI/L	06/17/2009	1.59E+00	BAM-120-09
GWA05301RH	FIELD BLANK	NA	Strontium-90	9.75E-02	1.05E-01		U	PCI/L	06/17/2009	3.57E-01	BAM-120-09
GWA05301RH	FIELD BLANK	NA	Technetium-99	-1.76E+00	1.63E+00		U	PCI/L	06/17/2009	5.85E+00	BAM-120-09
GWA05301UX	FIELD BLANK	NA	Iodine-129	-3.18E-02	3.08E-02		U	PCI/L	06/17/2009	9.23E-02	BAM-118-09
GWA030012X	USGS-001	588	Aluminum	15		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Antimony	1		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Arsenic	1.6		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Barium	24.1		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Beryllium	0.1		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Cadmium	0.11		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Calcium	27800				UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Chromium	2.34		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Cobalt	3.78		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Copper	0.811		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Iron	176				UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Lead	0.5		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Magnesium	11000				UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Manganese	11.4		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Mercury	0.067		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Nickel	1.82		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Potassium	2730		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Selenium	1		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Silver	0.2		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Sodium	13300				UG/L	06/03/2009		HCJ-161-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA030012X	USGS-001	588	Strontium	117				UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Thallium	0.3		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Uranium	2.05		B		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Vanadium	3		U		UG/L	06/03/2009		HCJ-161-09
GWA030012X	USGS-001	588	Zinc	3.26		B		UG/L	06/03/2009		HCJ-161-09
GWA03001A1	USGS-001	588	Alkalinity, Total as CaCO ₃	125				MG/L	06/03/2009		HCJ-157-09
GWA03001AN	USGS-001	588	Bromide	0		U		MG/L	06/03/2009		HCJ-159-09
GWA03001AN	USGS-001	588	Chloride	12.8				MG/L	06/03/2009		HCJ-159-09
GWA03001AN	USGS-001	588	Fluoride	0.707				MG/L	06/03/2009		HCJ-159-09
GWA03001AN	USGS-001	588	Sulfate	13				MG/L	06/03/2009		HCJ-159-09
GWA03001N2	USGS-001	588	Nitrogen, Nitrate/Nitrite	1.16				MG/L	06/03/2009		HCJ-155-09
GWA03001VL	USGS-001	588	Dichlorodifluoromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Chloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Vinyl Chloride	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Bromomethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Chloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Trichlorofluoromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Acetone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,1-Dichloroethene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Methyl acetate	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Methylene Chloride	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Carbon disulfide	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Tert-butyl methyl ether	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	trans-1,2-Dichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,1-Dichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	2-Butanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	cis-1,2-Dichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Chloroform	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,1,1-Trichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Cyclohexane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Carbon tetrachloride	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2-Dichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Benzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Trichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2-Dichloropropane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Methyl cyclohexane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Bromodichloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	4-Methyl-2-pentanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	cis-1,3-Dichloropropylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Toluene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	trans-1,3-Dichloropropylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,1,2-Trichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	2-Hexanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Tetrachloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03001VL	USGS-001	588	Dibromochloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2-Dibromoethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Chlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Ethylbenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Styrene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Bromoform	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Isopropylbenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,3-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,4-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Trichlorotrifluoroethane	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	Xylene (Total)	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2,4-Trichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001VL	USGS-001	588	1,2-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03001R8	USGS-001	588	Tritium	-6.04E+01	8.61E+01		U	PCI/L	06/03/2009	3.06E+02	BAM-119-09
GWA03001RH	USGS-001	588	Gross Alpha	1.30E+00	5.76E-01		UJ	PCI/L	06/03/2009	1.44E+00	BAM-120-09
GWA03001RH	USGS-001	588	Gross Beta	4.01E+00	7.73E-01			PCI/L	06/03/2009	1.48E+00	BAM-120-09
GWA03001RH	USGS-001	588	Strontium-90	1.98E-01	9.95E-02		U	PCI/L	06/03/2009	3.18E-01	BAM-120-09
GWA03001RH	USGS-001	588	Technetium-99	-2.50E-01	1.67E+00		U	PCI/L	06/03/2009	5.84E+00	BAM-120-09
GWA03001UX	USGS-001	588	Iodine-129	-2.12E-02	4.04E-02		U	PCI/L	06/03/2009	1.31E-01	BAM-118-09
GWA04501A1	USGS-002	659	Alkalinity, Total as CaCO3	134				MG/L	06/22/2009		HCJ-156-09
GWA04501AN	USGS-002	659	Bromide	0		U		MG/L	06/22/2009		HCJ-158-09
GWA04501AN	USGS-002	659	Chloride	16.6				MG/L	06/22/2009		HCJ-158-09
GWA04501AN	USGS-002	659	Fluoride	0.666				MG/L	06/22/2009		HCJ-158-09
GWA04501AN	USGS-002	659	Sulfate	15.2				MG/L	06/22/2009		HCJ-158-09
GWA04501N2	USGS-002	659	Nitrogen, Nitrate/Nitrite	1.77				MG/L	06/22/2009		HCJ-154-09
GWA045012X	USGS-002	659	Aluminum	15		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Antimony	1		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Arsenic	4.82		B	U	UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Barium	35.2		B		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Beryllium	0.1		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Cadmium	0.11		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Calcium	35200				UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Chromium	2		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Cobalt	0.1		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Copper	0.973		B	U	UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Iron	117				UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Lead	0.5		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Magnesium	10900				UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Manganese	1.56		B		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Mercury	0.066		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Nickel	0.863		B		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Potassium	3130		B		UG/L	06/22/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA045012X	USGS-002	659	Selenium	1		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Silver	0.2		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Sodium	15400				UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Strontium	142				UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Thallium	0.3		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Uranium	1.93		B		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Vanadium	3		U		UG/L	06/22/2009		HCJ-160-09
GWA045012X	USGS-002	659	Zinc	3		U		UG/L	06/22/2009		HCJ-160-09
GWA04501VL	USGS-002	659	Dichlorodifluoromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Chloromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Vinyl Chloride	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Bromomethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Chloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Trichlorofluoromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Acetone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,1-Dichloroethene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Methyl acetate	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Methylene Chloride	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Carbon disulfide	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Tert-butyl methyl ether	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	trans-1,2-Dichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,1-Dichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	2-Butanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	cis-1,2-Dichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Chloroform	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,1,1-Trichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Cyclohexane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Carbon tetrachloride	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2-Dichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Benzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Trichloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2-Dichloropropane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Methyl cyclohexane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Bromodichloromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	4-Methyl-2-pentanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	cis-1,3-Dichloropropylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Toluene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	trans-1,3-Dichloropropylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,1,2-Trichloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	2-Hexanone	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Tetrachloroethylene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Dibromochloromethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2-Dibromoethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Chlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04501VL	USGS-002	659	Ethylbenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Styrene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Bromoform	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Isopropylbenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,3-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,4-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Trichlorotrifluoroethane	5		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Xylene (Total)	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2,4-Trichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	1,2-Dichlorobenzene	1		U		UG/L	06/22/2009		HCJ-153-09
GWA04501VL	USGS-002	659	Unknown Siloxane	5.5		J		UG/L	06/22/2009		
GWA04501R8	USGS-002	659	Tritium	-6.38E+00	1.06E+02		U	PCI/L	06/22/2009	3.82E+02	BAM-119-09
GWA04501RH	USGS-002	659	Gross Alpha	1.36E+00	6.76E-01		UJ	PCI/L	06/22/2009	1.84E+00	BAM-120-09
GWA04501RH	USGS-002	659	Gross Beta	3.95E+00	1.09E+00			PCI/L	06/22/2009	3.08E+00	BAM-120-09
GWA04501RH	USGS-002	659	Strontium-90	1.93E-02	1.29E-01		U	PCI/L	06/22/2009	4.55E-01	BAM-120-09
GWA04501RH	USGS-002	659	Technetium-99	-1.97E+00	1.59E+00		U	PCI/L	06/22/2009	5.76E+00	BAM-120-09
GWA04501UX	USGS-002	659	Iodine-129	-2.85E-02	2.73E-02		U	PCI/L	06/22/2009	8.79E-02	BAM-118-09
GWA03101A1	USGS-009	607	Alkalinity, Total as CaCO3	135				MG/L	06/17/2009		HCJ-156-09
GWA03101AN	USGS-009	607	Bromide	0		U		MG/L	06/17/2009		HCJ-158-09
GWA03101AN	USGS-009	607	Chloride	15.4				MG/L	06/17/2009		HCJ-158-09
GWA03101AN	USGS-009	607	Fluoride	0.229		J		MG/L	06/17/2009		HCJ-158-09
GWA03101AN	USGS-009	607	Sulfate	24.5				MG/L	06/17/2009		HCJ-158-09
GWA03101N2	USGS-009	607	Nitrogen, Nitrate/Nitrite	0.705				MG/L	06/17/2009		HCJ-154-09
GWA031012X	USGS-009	607	Aluminum	15		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Antimony	1		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Arsenic	1.6		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Barium	36.1		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Beryllium	0.1		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Cadmium	0.11		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Calcium	38400				UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Chromium	3.46		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Cobalt	0.1		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Copper	0.557		B	U	UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Iron	157				UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Lead	0.5		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Magnesium	13300				UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Manganese	6.15		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Mercury	0.066		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Nickel	0.81		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Potassium	2840		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Selenium	1.16		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Silver	0.2		U		UG/L	06/17/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA031012X	USGS-009	607	Sodium	9910				UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Strontium	203				UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Thallium	0.3		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Uranium	1.94		B		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Vanadium	3		U		UG/L	06/17/2009		HCJ-160-09
GWA031012X	USGS-009	607	Zinc	3		U		UG/L	06/17/2009		HCJ-160-09
GWA03101VL	USGS-009	607	Dichlorodifluoromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Chloromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Vinyl Chloride	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Bromomethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Chloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Trichlorofluoromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Acetone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,1-Dichloroethene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Methyl acetate	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Methylene Chloride	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Carbon disulfide	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Tert-butyl methyl ether	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	trans-1,2-Dichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,1-Dichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	2-Butanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	cis-1,2-Dichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Chloroform	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,1,1-Trichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Cyclohexane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Carbon tetrachloride	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2-Dichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Benzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Trichloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2-Dichloropropane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Methyl cyclohexane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Bromodichloromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	4-Methyl-2-pentanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	cis-1,3-Dichloropropylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Toluene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	trans-1,3-Dichloropropylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,1,2-Trichloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	2-Hexanone	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Tetrachloroethylene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Dibromochloromethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2-Dibromoethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Chlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Ethylbenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Styrene	1		U		UG/L	06/17/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03101VL	USGS-009	607	Bromoform	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Isopropylbenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,3-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,4-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Trichlorotrifluoroethane	5		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	Xylene (Total)	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2,4-Trichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101VL	USGS-009	607	1,2-Dichlorobenzene	1		U		UG/L	06/17/2009		HCJ-153-09
GWA03101R8	USGS-009	607	Tritium	4.73E+01	8.94E+01		U	PCI/L	06/17/2009	3.05E+02	BAM-119-09
GWA03101RH	USGS-009	607	Gross Alpha	2.40E+00	9.11E-01		J	PCI/L	06/17/2009	2.31E+00	BAM-120-09
GWA03101RH	USGS-009	607	Gross Beta	6.42E+00	1.21E+00			PCI/L	06/17/2009	2.81E+00	BAM-120-09
GWA03101RH	USGS-009	607	Strontium-90	3.12E-01	1.30E-01		UJ	PCI/L	06/17/2009	4.10E-01	BAM-120-09
GWA03101RH	USGS-009	607	Technetium-99	-3.90E+00	1.59E+00		U	PCI/L	06/17/2009	5.95E+00	BAM-120-09
GWA03101UX	USGS-009	607	Iodine-129	-4.88E-02	3.50E-02		U	PCI/L	06/17/2009	1.01E-01	BAM-118-09
GWA03201A1	USGS-086	649	Alkalinity, Total as CaCO3	110				MG/L	06/16/2009		HCJ-156-09
GWA03201AN	USGS-086	649	Bromide	0		U		MG/L	06/16/2009		HCJ-158-09
GWA03201AN	USGS-086	649	Chloride	17.2				MG/L	06/16/2009		HCJ-158-09
GWA03201AN	USGS-086	649	Fluoride	0.21		J		MG/L	06/16/2009		HCJ-158-09
GWA03201AN	USGS-086	649	Sulfate	23.2				MG/L	06/16/2009		HCJ-158-09
GWA03201N2	USGS-086	649	Nitrogen, Nitrate/Nitrite	1.35				MG/L	06/16/2009		HCJ-154-09
GWA032012X	USGS-086	649	Aluminum	15		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Antimony	1		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Arsenic	1.61		B	U	UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Barium	17.4		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Beryllium	0.1		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Cadmium	0.11		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Calcium	36700				UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Chromium	11.5				UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Cobalt	0.1		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Copper	0.492		B	U	UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Iron	89.9		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Lead	0.5		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Magnesium	9430				UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Manganese	1		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Mercury	0.066		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Nickel	0.671		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Potassium	2800		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Selenium	1.55		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Silver	0.2		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Sodium	10400				UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Strontium	153				UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Thallium	0.3		U		UG/L	06/16/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA032012X	USGS-086	649	Uranium	1.33		B		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Vanadium	3		U		UG/L	06/16/2009		HCJ-160-09
GWA032012X	USGS-086	649	Zinc	3		U		UG/L	06/16/2009		HCJ-160-09
GWA03201VL	USGS-086	649	Dichlorodifluoromethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Chloromethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Vinyl Chloride	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Bromomethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Chloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Trichlorofluoromethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Acetone	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,1-Dichloroethene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Methyl acetate	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Methylene Chloride	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Carbon disulfide	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Tert-butyl methyl ether	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	trans-1,2-Dichloroethylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,1-Dichloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	2-Butanone	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	cis-1,2-Dichloroethylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Chloroform	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,1,1-Trichloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Cyclohexane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Carbon tetrachloride	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2-Dichloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Benzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Trichloroethylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2-Dichloropropane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Methyl cyclohexane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Bromodichloromethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	4-Methyl-2-pentanone	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	cis-1,3-Dichloropropylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Toluene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	trans-1,3-Dichloropropylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,1,2-Trichloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	2-Hexanone	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Tetrachloroethylene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Dibromochloromethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2-Dibromoethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Chlorobenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Ethylbenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Styrene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Bromoform	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Isopropylbenzene	1		U		UG/L	06/16/2009		HCJ-153-09

Table A-2. (continued).

Field Sample			Sample	Sample	Result	Validation	Sample	Date Sample			
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03201VL	USGS-086	649	1,3-Dichlorobenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,4-Dichlorobenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Trichlorotrifluoroethane	5		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	Xylene (Total)	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2,4-Trichlorobenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201VL	USGS-086	649	1,2-Dichlorobenzene	1		U		UG/L	06/16/2009		HCJ-153-09
GWA03201R8	USGS-086	649	Tritium	-1.14E+02	8.42E+01		U	PCI/L	06/16/2009	3.05E+02	BAM-119-09
GWA03201RH	USGS-086	649	Gross Alpha	4.22E+00	8.49E-01			PCI/L	06/16/2009	1.68E+00	BAM-120-09
GWA03201RH	USGS-086	649	Gross Beta	6.30E+00	8.82E-01			PCI/L	06/16/2009	1.76E+00	BAM-120-09
GWA03201RH	USGS-086	649	Strontium-90	2.08E-01	9.89E-02		UJ	PCI/L	06/16/2009	3.15E-01	BAM-120-09
GWA03201RH	USGS-086	649	Technetium-99	-7.86E-01	1.64E+00		U	PCI/L	06/16/2009	5.77E+00	BAM-120-09
GWA03201UX	USGS-086	649	Iodine-129	-1.77E-02	2.66E-02		U	PCI/L	06/16/2009	7.75E-02	BAM-118-09
GWA04601A1	USGS-100	686	Alkalinity, Total as CaCO3	134				MG/L	06/23/2009		HCJ-156-09
GWA04601AN	USGS-100	686	Bromide	0		U		MG/L	06/23/2009		HCJ-158-09
GWA04601AN	USGS-100	686	Chloride	16.3				MG/L	06/23/2009		HCJ-158-09
GWA04601AN	USGS-100	686	Fluoride	0.717				MG/L	06/23/2009		HCJ-158-09
GWA04601AN	USGS-100	686	Sulfate	17.1				MG/L	06/23/2009		HCJ-158-09
GWA04601N2	USGS-100	686	Nitrogen, Nitrate/Nitrite	1.95				MG/L	06/23/2009		HCJ-154-09
GWA046012X	USGS-100	686	Aluminum	15		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Antimony	1		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Arsenic	3.85		B	U	UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Barium	37.2		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Beryllium	0.1		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Cadmium	0.525		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Calcium	36300				UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Chromium	2		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Cobalt	0.1		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Copper	0.846		B	U	UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Iron	93.8		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Lead	14.1				UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Magnesium	10400				UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Manganese	1		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Mercury	0.066		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Nickel	1.05		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Potassium	3190		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Selenium	1		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Silver	0.2		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Sodium	14300				UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Strontium	139				UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Thallium	0.3		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Uranium	1.41		B		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Vanadium	3		U		UG/L	06/23/2009		HCJ-160-09
GWA046012X	USGS-100	686	Zinc	189				UG/L	06/23/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04601VL	USGS-100	686	Dichlorodifluoromethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Chloromethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Vinyl Chloride	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Bromomethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Chloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Trichlorofluoromethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Acetone	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,1-Dichloroethene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Methyl acetate	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Methylene Chloride	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Carbon disulfide	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Tert-butyl methyl ether	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	trans-1,2-Dichloroethylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,1-Dichloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	2-Butanone	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	cis-1,2-Dichloroethylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Chloroform	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,1,1-Trichloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Cyclohexane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Carbon tetrachloride	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2-Dichloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Benzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Trichloroethylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2-Dichloropropane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Methyl cyclohexane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Bromodichloromethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	4-Methyl-2-pentanone	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	cis-1,3-Dichloropropylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Toluene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	trans-1,3-Dichloropropylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,1,2-Trichloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	2-Hexanone	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Tetrachloroethylene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Dibromochloromethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2-Dibromoethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Chlorobenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Ethylbenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Styrene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Bromoform	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Isopropylbenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,3-Dichlorobenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,4-Dichlorobenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/23/2009		HCJ-153-09

Table A-2 (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04601VL	USGS-100	686	Trichlorotrifluoroethane	5		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	Xylene (Total)	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2,4-Trichlorobenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601VL	USGS-100	686	1,2-Dichlorobenzene	1		U		UG/L	06/23/2009		HCJ-153-09
GWA04601R8	USGS-100	686	Tritium	2.58E+01	1.09E+02		U	PCI/L	06/23/2009	3.85E+02	BAM-119-09
GWA04601RH	USGS-100	686	Gross Alpha	2.04E+00	7.04E-01		J	PCI/L	06/23/2009	1.44E+00	BAM-120-09
GWA04601RH	USGS-100	686	Gross Beta	2.57E+00	6.48E-01			PCI/L	06/23/2009	1.51E+00	BAM-120-09
GWA04601RH	USGS-100	686	Strontium-90	5.90E-02	1.15E-01		U	PCI/L	06/23/2009	4.00E-01	BAM-120-09
GWA04601RH	USGS-100	686	Technetium-99	-2.01E+00	1.63E+00		U	PCI/L	06/23/2009	5.87E+00	BAM-120-09
GWA04601UX	USGS-100	686	Iodine-129	-2.10E-02	1.93E-02		U	PCI/L	06/23/2009	5.66E-02	BAM-118-09
GWA033012X	USGS-101	771	Aluminum	15		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Antimony	1		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Arsenic	1.6		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Barium	17.7		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Beryllium	0.1		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Cadmium	0.11		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Calcium	26800				UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Chromium	2		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Cobalt	3.55		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Copper	0.6		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Iron	140				UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Lead	0.5		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Magnesium	8930				UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Manganese	6.82		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Mercury	0.067		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Nickel	1.1		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Potassium	2600		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Selenium	1		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Silver	0.2		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Sodium	14100				UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Strontium	91.9				UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Thallium	0.3		U		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Uranium	1.79		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Vanadium	3.05		B		UG/L	06/03/2009		HCJ-161-09
GWA033012X	USGS-101	771	Zinc	5.44		B		UG/L	06/03/2009		HCJ-161-09
GWA03301A1	USGS-101	771	Alkalinity, Total as CaCO3	116				MG/L	06/03/2009		HCJ-157-09
GWA03301AN	USGS-101	771	Bromide	0		U		MG/L	06/03/2009		HCJ-159-09
GWA03301AN	USGS-101	771	Chloride	9.11				MG/L	06/03/2009		HCJ-159-09
GWA03301AN	USGS-101	771	Fluoride	0.896				MG/L	06/03/2009		HCJ-159-09
GWA03301AN	USGS-101	771	Sulfate	10.3				MG/L	06/03/2009		HCJ-159-09
GWA03301N2	USGS-101	771	Nitrogen, Nitrate/Nitrite	1.18				MG/L	06/03/2009		HCJ-155-09
GWA03301VL	USGS-101	771	Dichlorodifluoromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Chloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Vinyl Chloride	1		U		UG/L	06/03/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03301VL	USGS-101	771	Bromomethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Chloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Trichlorofluoromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Acetone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,1-Dichloroethene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Methyl acetate	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Methylene Chloride	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Carbon disulfide	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Tert-butyl methyl ether	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	trans-1,2-Dichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,1-Dichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	2-Butanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	cis-1,2-Dichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Chloroform	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,1,1-Trichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Cyclohexane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Carbon tetrachloride	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,2-Dichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Benzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Trichloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,2-Dichloropropane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Methyl cyclohexane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Bromodichloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	4-Methyl-2-pentanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	cis-1,3-Dichloropropylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Toluene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	trans-1,3-Dichloropropylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,1,2-Trichloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	2-Hexanone	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Tetrachloroethylene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Dibromochloromethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,2-Dibromoethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Chlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Ethylbenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Styrene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Bromoform	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Isopropylbenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,3-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,4-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Trichlorotrifluoroethane	5		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	Xylene (Total)	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301VL	USGS-101	771	1,2,4-Trichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09

Table A-2. (continued).

Field Sample Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA03301VL	USGS-101	771	1,2-Dichlorobenzene	1		U		UG/L	06/03/2009		HCJ-148-09
GWA03301R8	USGS-101	771	Tritium	-6.45E+01	8.57E+01		U	PCI/L	06/03/2009	3.05E+02	BAM-119-09
GWA03301RH	USGS-101	771	Gross Alpha	7.31E-01	4.18E-01		U	PCI/L	06/03/2009	1.17E+00	BAM-120-09
GWA03301RH	USGS-101	771	Gross Beta	6.25E+00	1.17E+00			PCI/L	06/03/2009	2.75E+00	BAM-120-09
GWA03301RH	USGS-101	771	Strontium-90	-4.67E-02	9.46E-02		U	PCI/L	06/03/2009	3.51E-01	BAM-120-09
GWA03301RH	USGS-101	771	Technetium-99	3.83E-01	1.66E+00		U	PCI/L	06/03/2009	5.74E+00	BAM-120-09
GWA03301UX	USGS-101	771	Iodine-129	5.27E-03	2.46E-02		U	PCI/L	06/03/2009	8.33E-02	BAM-118-09
GWA03401A1	USGS-103	681.9	Alkalinity, Total as CaCO3	104				MG/L	07/01/2009		HCJ-168-09
GWA03501A1	USGS-103	805.2	Alkalinity, Total as CaCO3	126				MG/L	07/01/2009		HCJ-168-09
GWA03601A1	USGS-103	913.8	Alkalinity, Total as CaCO3	123				MG/L	07/02/2009		HCJ-168-09
GWA03701A1	USGS-103	999.4	Alkalinity, Total as CaCO3	131				MG/L	07/07/2009		HCJ-168-09
GWA03801A1	USGS-103	1095.1	Alkalinity, Total as CaCO3	145				MG/L	07/08/2009		HCJ-168-09
GWA03901A1	USGS-103	1220.2	Alkalinity, Total as CaCO3	138				MG/L	07/09/2009		HCJ-168-09
GWA03401AN	USGS-103	681.9	Bromide	0		U		MG/L	07/01/2009		HCJ-170-09
GWA03401AN	USGS-103	681.9	Chloride	19.2			J	MG/L	07/01/2009		HCJ-170-09
GWA03401AN	USGS-103	681.9	Fluoride	0.386		J		MG/L	07/01/2009		HCJ-170-09
GWA03401AN	USGS-103	681.9	Sulfate	18				MG/L	07/01/2009		HCJ-170-09
GWA03501AN	USGS-103	805.2	Bromide	0		U		MG/L	07/01/2009		HCJ-170-09
GWA03501AN	USGS-103	805.2	Chloride	13.7			J	MG/L	07/01/2009		HCJ-170-09
GWA03501AN	USGS-103	805.2	Fluoride	0.296		J		MG/L	07/01/2009		HCJ-170-09
GWA03501AN	USGS-103	805.2	Sulfate	21.8				MG/L	07/01/2009		HCJ-170-09
GWA03601AN	USGS-103	913.8	Bromide	0		U		MG/L	07/02/2009		HCJ-170-09
GWA03601AN	USGS-103	913.8	Chloride	9.38			J	MG/L	07/02/2009		HCJ-170-09
GWA03601AN	USGS-103	913.8	Fluoride	0.196		J		MG/L	07/02/2009		HCJ-170-09
GWA03601AN	USGS-103	913.8	Sulfate	18				MG/L	07/02/2009		HCJ-170-09
GWA03701AN	USGS-103	999.4	Bromide	0		U		MG/L	07/07/2009		HCJ-170-09
GWA03701AN	USGS-103	999.4	Chloride	11.7			J	MG/L	07/07/2009		HCJ-170-09
GWA03701AN	USGS-103	999.4	Fluoride	0.195		J		MG/L	07/07/2009		HCJ-170-09
GWA03701AN	USGS-103	999.4	Sulfate	19.9				MG/L	07/07/2009		HCJ-170-09
GWA03801AN	USGS-103	1095.1	Bromide	0		U		MG/L	07/09/2009		HCJ-170-09
GWA03801AN	USGS-103	1095.1	Chloride	13.6			J	MG/L	07/09/2009		HCJ-170-09
GWA03801AN	USGS-103	1095.1	Fluoride	0.178		J		MG/L	07/09/2009		HCJ-170-09
GWA03801AN	USGS-103	1095.1	Sulfate	21.3				MG/L	07/09/2009		HCJ-170-09
GWA03901AN	USGS-103	1220.2	Bromide	0		U		MG/L	07/09/2009		HCJ-170-09
GWA03901AN	USGS-103	1220.2	Chloride	13.6			J	MG/L	07/09/2009		HCJ-170-09
GWA03901AN	USGS-103	1220.2	Fluoride	0.178		J		MG/L	07/09/2009		HCJ-170-09
GWA03901AN	USGS-103	1220.2	Sulfate	21.3				MG/L	07/09/2009		HCJ-170-09
GWA04001AN	USGS-103	1269.4	Bromide	0		U		MG/L	07/13/2009		HCJ-170-09
GWA04001AN	USGS-103	1269.4	Chloride	13.5			J	MG/L	07/13/2009		HCJ-170-09
GWA04001AN	USGS-103	1269.4	Fluoride	0.183		J		MG/L	07/13/2009		HCJ-170-09
GWA04001AN	USGS-103	1269.4	Sulfate	21.2				MG/L	07/13/2009		HCJ-170-09
GWA03401N2	USGS-103	681.9	Nitrogen, Nitrate/Nitrite	0.232				MG/L	07/01/2009		HCJ-171-09
GWA03501N2	USGS-103	805.2	Nitrogen, Nitrate/Nitrite	0.651				MG/L	07/01/2009		HCJ-171-09
GWA03601N2	USGS-103	913.8	Nitrogen, Nitrate/Nitrite	0.505				MG/L	07/02/2009		HCJ-171-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03701N2	USGS-103	999.4	Nitrogen, Nitrate/Nitrite	0.666				MG/L	07/07/2009		HCJ-171-09
GWA03801N2	USGS-103	1095.1	Nitrogen, Nitrate/Nitrite	0.762				MG/L	07/08/2009		HCJ-171-09
GWA03901N2	USGS-103	1220.2	Nitrogen, Nitrate/Nitrite	0.794				MG/L	07/09/2009		HCJ-171-09
GWA04001N2	USGS-103	1269.4	Nitrogen, Nitrate/Nitrite	0.82				MG/L	07/13/2009		HCJ-171-09
GWA04001A1	USGS-103	1269.4	Alkalinity, Total as CaCO3	139				MG/L	07/13/2009		HCJ-169-09
GWA034012X	USGS-103	681.9	Aluminum	15		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Antimony	1		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Arsenic	1.6		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Barium	40.8		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Beryllium	0.1		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Cadmium	0.11		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Calcium	22100				UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Chromium	2		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Cobalt	0.106		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Copper	0.742		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Iron	163				UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Lead	0.5		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Magnesium	15000				UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Manganese	48.5				UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Mercury	0.066		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Nickel	1.02		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Potassium	2990		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Selenium	1		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Silver	0.2		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Sodium	15400		E	J	UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Strontium	143				UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Thallium	0.3		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Uranium	0.585		B		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Vanadium	3		U		UG/L	07/01/2009		HCJ-172-09
GWA034012X	USGS-103	681.9	Zinc	36.1				UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Aluminum	15		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Antimony	1		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Arsenic	1.95		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Barium	30.5		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Beryllium	0.1		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Cadmium	0.11		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Calcium	32600				UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Chromium	4.97		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Cobalt	0.109		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Copper	0.982		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Iron	195				UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Lead	0.5		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Magnesium	14400				UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Manganese	1.74		B		UG/L	07/01/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA035012X	USGS-103	805.2	Mercury	0.066		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Nickel	1.17		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Potassium	2490		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Selenium	1.33		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Silver	0.2		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Sodium	13700		E	J	UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Strontium	179				UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Thallium	0.3		U		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Uranium	2.25		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Vanadium	7.63		B		UG/L	07/01/2009		HCJ-172-09
GWA035012X	USGS-103	805.2	Zinc	45.2				UG/L	07/01/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Aluminum	15		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Antimony	1		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Arsenic	1.6		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Barium	28.7		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Beryllium	0.1		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Cadmium	0.11		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Calcium	30500				UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Chromium	5.44				UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Cobalt	0.1		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Copper	0.755		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Iron	165				UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Lead	0.5		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Magnesium	14100				UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Manganese	1.18		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Mercury	0.066		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Nickel	0.985		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Potassium	2470		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Selenium	1		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Silver	0.2		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Sodium	9600		E	J	UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Strontium	171				UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Thallium	0.3		U		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Uranium	2		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Vanadium	10.4		B		UG/L	07/02/2009		HCJ-172-09
GWA036012X	USGS-103	913.8	Zinc	38.7				UG/L	07/02/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Aluminum	15		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Antimony	1		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Arsenic	1.6		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Barium	41.1		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Beryllium	0.1		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Cadmium	0.11		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Calcium	35400				UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Chromium	5.81				UG/L	07/07/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA037012X	USGS-103	999.4	Cobalt	0.103		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Copper	0.936		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Iron	200				UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Lead	0.5		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Magnesium	16600				UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Manganese	1		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Mercury	0.066		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Nickel	1.17		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Potassium	2260		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Selenium	1.25		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Silver	0.2		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Sodium	10000		E	J	UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Strontium	182				UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Thallium	0.3		U		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Uranium	1.71		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Vanadium	3.7		B		UG/L	07/07/2009		HCJ-172-09
GWA037012X	USGS-103	999.4	Zinc	20.9				UG/L	07/07/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Aluminum	15		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Antimony	1		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Arsenic	1.61		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Barium	45.8		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Beryllium	0.1		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Cadmium	0.11		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Calcium	40800				UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Chromium	5.99				UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Cobalt	0.198		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Copper	0.77		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Iron	240				UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Lead	0.5		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Magnesium	17000				UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Manganese	1		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Mercury	0.066		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Nickel	1.24		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Potassium	2350		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Selenium	1		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Silver	0.2		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Sodium	10300		E	J	UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Strontium	199				UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Thallium	0.3		U		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Uranium	1.95		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Vanadium	6.15		B		UG/L	07/08/2009		HCJ-172-09
GWA038012X	USGS-103	1095.1	Zinc	24.1				UG/L	07/08/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Aluminum	15		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Antimony	1		U		UG/L	07/09/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA039012X	USGS-103	1220.2	Arsenic	1.6		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Barium	44.6		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Beryllium	0.1		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Cadmium	0.11		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Calcium	39700				UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Chromium	5.57				UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Cobalt	0.246		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Copper	0.732		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Iron	221				UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Lead	0.5		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Magnesium	18100				UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Manganese	1		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Mercury	0.066		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Nickel	1.24		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Potassium	2400		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Selenium	1.39		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Silver	0.2		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Sodium	10400		E	J	UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Strontium	194				UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Thallium	0.3		U		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Uranium	1.9		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Vanadium	4.86		B		UG/L	07/09/2009		HCJ-172-09
GWA039012X	USGS-103	1220.2	Zinc	35.8				UG/L	07/09/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Aluminum	15		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Antimony	1		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Arsenic	5.37			U	UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Barium	45.4		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Beryllium	0.1		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Cadmium	0.11		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Calcium	41200				UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Chromium	6.89				UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Cobalt	0.1		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Copper	0.455		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Iron	65.7		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Lead	0.5		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Magnesium	15000				UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Manganese	1		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Mercury	0.066		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Nickel	1.06		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Potassium	2570		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Selenium	1.07		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Silver	0.2		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Sodium	9620		E		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Strontium	220				UG/L	07/13/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA040012X	USGS-103	1269.4	Thallium	0.375		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Uranium	1.84		B		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Vanadium	3		U		UG/L	07/13/2009		HCJ-172-09
GWA040012X	USGS-103	1269.4	Zinc	21.3				UG/L	07/13/2009		HCJ-172-09
GWA03401VL	USGS-103	681.9	Dichlorodifluoromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Chloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Vinyl Chloride	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Bromomethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Chloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Trichlorofluoromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Acetone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,1-Dichloroethene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Methyl acetate	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Methylene Chloride	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Carbon disulfide	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Tert-butyl methyl ether	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	trans-1,2-Dichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,1-Dichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	2-Butanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	cis-1,2-Dichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Chloroform	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,1,1-Trichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Cyclohexane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Carbon tetrachloride	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2-Dichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Benzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Trichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2-Dichloropropane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Methyl cyclohexane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Bromodichloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	4-Methyl-2-pentanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	cis-1,3-Dichloropropylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Toluene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	trans-1,3-Dichloropropylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,1,2-Trichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	2-Hexanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Tetrachloroethylene	1		BJ	U	UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Dibromochloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2-Dibromoethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Chlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Ethylbenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Styrene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Bromoform	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/01/2009		HCJ-166-09

Table A-2. (continued).

Field Sample			Sample	Sample	Result	Validation	Sample	Date Sample			
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03401VL	USGS-103	681.9	Isopropylbenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,3-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,4-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Trichlorotrifluoroethane	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Xylene (Total)	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2,4-Trichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	1,2-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03401VL	USGS-103	681.9	Unknown	25.1		J		UG/L	07/01/2009		
GWA03501VL	USGS-103	805.2	Dichlorodifluoromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Chloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Vinyl Chloride	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Bromomethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Chloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Trichlorofluoromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Acetone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,1-Dichloroethene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Methyl acetate	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Methylene Chloride	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Carbon disulfide	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Tert-butyl methyl ether	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	trans-1,2-Dichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,1-Dichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	2-Butanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	cis-1,2-Dichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Chloroform	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,1,1-Trichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Cyclohexane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Carbon tetrachloride	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2-Dichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Benzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Trichloroethylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2-Dichloropropane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Methyl cyclohexane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Bromodichloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	4-Methyl-2-pentanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	cis-1,3-Dichloropropylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Toluene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	trans-1,3-Dichloropropylene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,1,2-Trichloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	2-Hexanone	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Tetrachloroethylene	1		BJ	U	UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Dibromochloromethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2-Dibromoethane	1		U		UG/L	07/01/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03501VL	USGS-103	805.2	Chlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Ethylbenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Styrene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Bromoform	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Isopropylbenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,3-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,4-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Trichlorotrifluoroethane	5		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Xylene (Total)	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2,4-Trichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	1,2-Dichlorobenzene	1		U		UG/L	07/01/2009		HCJ-166-09
GWA03501VL	USGS-103	805.2	Unknown	29.5		J		UG/L	07/01/2009		
GWA03601VL	USGS-103	913.8	Dichlorodifluoromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Chloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Vinyl Chloride	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Bromomethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Chloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Trichlorofluoromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Acetone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,1-Dichloroethene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Methyl acetate	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Methylene Chloride	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Carbon disulfide	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Tert-butyl methyl ether	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	trans-1,2-Dichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,1-Dichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	2-Butanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	cis-1,2-Dichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Chloroform	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,1,1-Trichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Cyclohexane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Carbon tetrachloride	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2-Dichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Benzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Trichloroethylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2-Dichloropropane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Methyl cyclohexane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Bromodichloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	4-Methyl-2-pentanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	cis-1,3-Dichloropropylene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Toluene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	trans-1,3-Dichloropropylene	1		U		UG/L	07/02/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03601VL	USGS-103	913.8	1,1,2-Trichloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	2-Hexanone	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Tetrachloroethylene	1		BJ	U	UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Dibromochloromethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2-Dibromoethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Chlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Ethylbenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Styrene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Bromoform	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Isopropylbenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,3-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,4-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Trichlorotrifluoroethane	5		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Xylene (Total)	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2,4-Trichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	1,2-Dichlorobenzene	1		U		UG/L	07/02/2009		HCJ-166-09
GWA03601VL	USGS-103	913.8	Unknown	30.1		J		UG/L	07/02/2009		
GWA03701VL	USGS-103	999.4	Dichlorodifluoromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Chloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Vinyl Chloride	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Bromomethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Chloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Trichlorofluoromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Acetone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,1-Dichloroethene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Methyl acetate	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Methylene Chloride	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Carbon disulfide	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Tert-butyl methyl ether	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	trans-1,2-Dichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,1-Dichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	2-Butanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	cis-1,2-Dichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Chloroform	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,1,1-Trichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Cyclohexane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Carbon tetrachloride	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2-Dichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Benzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Trichloroethylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2-Dichloropropane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Methyl cyclohexane	1		U		UG/L	07/07/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03701VL	USGS-103	999.4	Bromodichloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	4-Methyl-2-pentanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	cis-1,3-Dichloropropylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Toluene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	trans-1,3-Dichloropropylene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,1,2-Trichloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	2-Hexanone	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Tetrachloroethylene	1		BJ	U	UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Dibromochloromethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2-Dibromoethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Chlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Ethylbenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Styrene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Bromoform	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Isopropylbenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,3-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,4-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Trichlorotrifluoroethane	5		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Xylene (Total)	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2,4-Trichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	1,2-Dichlorobenzene	1		U		UG/L	07/07/2009		HCJ-166-09
GWA03701VL	USGS-103	999.4	Unknown	21.1		J		UG/L	07/07/2009		
GWA03701VL	USGS-103	999.4	Unknown	9.65		J		UG/L	07/07/2009		
GWA03801VL	USGS-103	1095.1	Dichlorodifluoromethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Chloromethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Vinyl Chloride	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Bromomethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Chloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Trichlorofluoromethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Acetone	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,1-Dichloroethene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Methyl acetate	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Methylene Chloride	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Carbon disulfide	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Tert-butyl methyl ether	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	trans-1,2-Dichloroethylene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,1-Dichloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	2-Butanone	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	cis-1,2-Dichloroethylene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Chloroform	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,1,1-Trichloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Cyclohexane	1		U		UG/L	07/08/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03801VL	USGS-103	1095.1	Carbon tetrachloride	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2-Dichloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Benzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Trichloroethylene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2-Dichloropropane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Methyl cyclohexane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Bromodichloromethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	4-Methyl-2-pentanone	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	cis-1,3-Dichloropropylene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Toluene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	trans-1,3-Dichloropropylene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,1,2-Trichloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	2-Hexanone	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Tetrachloroethylene	1		BJ	U	UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Dibromochloromethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2-Dibromoethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Chlorobenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Ethylbenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Styrene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Bromoform	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Isopropylbenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,3-Dichlorobenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,4-Dichlorobenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Trichlorotrifluoroethane	5		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Xylene (Total)	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2,4-Trichlorobenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	1,2-Dichlorobenzene	1		U		UG/L	07/08/2009		HCJ-166-09
GWA03801VL	USGS-103	1095.1	Unknown	29.9		J		UG/L	07/08/2009		
GWA03901VL	USGS-103	1220.2	Dichlorodifluoromethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Chloromethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Vinyl Chloride	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Bromomethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Chloroethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Trichlorofluoromethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Acetone	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,1-Dichloroethene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Methyl acetate	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Methylene Chloride	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Carbon disulfide	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Tert-butyl methyl ether	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	trans-1,2-Dichloroethylene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,1-Dichloroethane	1		U		UG/L	07/09/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03901VL	USGS-103	1220.2	2-Butanone	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	cis-1,2-Dichloroethylene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Chloroform	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,1,1-Trichloroethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Cyclohexane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Carbon tetrachloride	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2-Dichloroethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Benzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Trichloroethylene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2-Dichloropropane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Methyl cyclohexane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Bromodichloromethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	4-Methyl-2-pentanone	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	cis-1,3-Dichloropropylene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Toluene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	trans-1,3-Dichloropropylene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,1,2-Trichloroethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	2-Hexanone	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Tetrachloroethylene	1		BJ	U	UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Dibromochloromethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2-Dibromoethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Chlorobenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Ethylbenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Styrene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Bromoform	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Isopropylbenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,3-Dichlorobenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,4-Dichlorobenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Trichlorotrifluoroethane	5		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Xylene (Total)	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2,4-Trichlorobenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	1,2-Dichlorobenzene	1		U		UG/L	07/09/2009		HCJ-166-09
GWA03901VL	USGS-103	1220.2	Unknown	29.6		J		UG/L	07/09/2009		
GWA04001VL	USGS-103	1269.4	Dichlorodifluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Chloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Vinyl Chloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Bromomethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Chloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Trichlorofluoromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Acetone	5		J	U	UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,1-Dichloroethene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Methyl acetate	5		U		UG/L	07/13/2009		HCJ-167-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04001VL	USGS-103	1269.4	Methylene Chloride	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Carbon disulfide	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Tert-butyl methyl ether	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	trans-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,1-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	2-Butanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	cis-1,2-Dichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Chloroform	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,1,1-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Carbon tetrachloride	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2-Dichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Benzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Trichloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2-Dichloropropane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Methyl cyclohexane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Bromodichloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	4-Methyl-2-pentanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	cis-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Toluene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	trans-1,3-Dichloropropylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,1,2-Trichloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	2-Hexanone	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Tetrachloroethylene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Dibromochloromethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2-Dibromoethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Chlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Ethylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Styrene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Bromoform	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,1,2,2-Tetrachloroethane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Isopropylbenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,3-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,4-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2-Dibromo-3-chloropropane	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Trichlorotrifluoroethane	5		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	Xylene (Total)	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2,4-Trichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	1,2-Dichlorobenzene	1		U		UG/L	07/13/2009		HCJ-167-09
GWA04001VL	USGS-103	1269.4	unknown	22.3		J		UG/L	07/13/2009		
GWA03501R8	USGS-103	805.2	Tritium	7.06E+01	1.06E+02		U	PCI/L	07/01/2009	3.60E+02	BAM-116-09
GWA03601R8	USGS-103	913.8	Tritium	1.22E+02	8.70E+01		U	PCI/L	07/02/2009	2.87E+02	BAM-116-09
GWA03701R8	USGS-103	999.4	Tritium	1.07E+02	8.64E+01		U	PCI/L	07/07/2009	2.87E+02	BAM-116-09
GWA03801R8	USGS-103	1095.1	Tritium	3.60E+02	9.99E+01			PCI/L	07/08/2009	2.86E+02	BAM-116-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA03901R8	USGS-103	1220.2	Tritium	2.50E+02	9.34E+01		UJ	PCI/L	07/09/2009	2.86E+02	BAM-116-09
GWA04001R8	USGS-103	1269.4	Tritium	4.37E+02	1.05E+02			PCI/L	07/13/2009	2.86E+02	BAM-116-09
GWA03501RH	USGS-103	805.2	Gross Alpha	9.24E-01	4.19E-01		UJ	PCI/L	07/01/2009	1.11E+00	BAM-115-09
GWA03501RH	USGS-103	805.2	Gross Beta	4.31E+00	6.97E-01		J	PCI/L	07/01/2009	1.24E+00	BAM-115-09
GWA03601RH	USGS-103	913.8	Gross Alpha	1.53E+00	5.45E-01		UJ	PCI/L	07/02/2009	1.30E+00	BAM-115-09
GWA03601RH	USGS-103	913.8	Gross Beta	3.32E+00	7.38E-01		J	PCI/L	07/02/2009	1.88E+00	BAM-115-09
GWA03801RH	USGS-103	1095.1	Gross Alpha	1.88E+00	5.71E-01		UJ	PCI/L	07/08/2009	1.10E+00	BAM-115-09
GWA03801RH	USGS-103	1095.1	Gross Beta	2.73E+00	5.96E-01		UJ	PCI/L	07/08/2009	1.42E+00	BAM-115-09
GWA03701RH	USGS-103	999.4	Gross Alpha	1.07E+00	4.49E-01		UJ	PCI/L	07/07/2009	1.07E+00	BAM-115-09
GWA03701RH	USGS-103	999.4	Gross Beta	3.32E+00	5.94E-01		J	PCI/L	07/07/2009	1.11E+00	BAM-115-09
GWA03901RH	USGS-103	1220.2	Gross Alpha	1.38E-01	3.23E-01		U	PCI/L	07/09/2009	1.22E+00	BAM-115-09
GWA03901RH	USGS-103	1220.2	Gross Beta	2.00E+00	3.94E-01		UJ	PCI/L	07/09/2009	9.09E-01	BAM-115-09
GWA04001RH	USGS-103	1269.4	Gross Alpha	1.87E+00	6.20E-01		UJ	PCI/L	07/13/2009	1.42E+00	BAM-115-09
GWA04001RH	USGS-103	1269.4	Gross Beta	2.88E+00	7.90E-01		UJ	PCI/L	07/13/2009	2.23E+00	BAM-115-09
GWA03501RH	USGS-103	805.2	Strontium-90	-5.51E-02	1.02E-01		U	PCI/L	07/01/2009	3.82E-01	BAM-115-09
GWA03601RH	USGS-103	913.8	Strontium-90	7.11E-02	1.10E-01		U	PCI/L	07/02/2009	3.83E-01	BAM-115-09
GWA03801RH	USGS-103	1095.1	Strontium-90	7.69E-02	1.04E-01		U	PCI/L	07/08/2009	3.61E-01	BAM-115-09
GWA03701RH	USGS-103	999.4	Strontium-90	1.74E-02	1.11E-01		U	PCI/L	07/07/2009	4.00E-01	BAM-115-09
GWA03901RH	USGS-103	1220.2	Strontium-90	7.68E-02	1.12E-01		U	PCI/L	07/09/2009	3.90E-01	BAM-115-09
GWA04001RH	USGS-103	1269.4	Strontium-90	2.27E-02	9.80E-02		U	PCI/L	07/13/2009	3.54E-01	BAM-115-09
GWA03501RH	USGS-103	805.2	Technetium-99	-1.04E-01	2.38E+00		U	PCI/L	07/01/2009	8.10E+00	BAM-115-09
GWA03601RH	USGS-103	913.8	Technetium-99	-7.76E-01	2.35E+00		U	PCI/L	07/02/2009	8.05E+00	BAM-115-09
GWA03801RH	USGS-103	1095.1	Technetium-99	2.81E+00	2.48E+00		U	PCI/L	07/08/2009	8.25E+00	BAM-115-09
GWA03701RH	USGS-103	999.4	Technetium-99	3.26E+00	2.49E+00		U	PCI/L	07/07/2009	8.24E+00	BAM-115-09
GWA03901RH	USGS-103	1220.2	Technetium-99	1.81E+00	2.40E+00		U	PCI/L	07/09/2009	8.03E+00	BAM-115-09
GWA04001RH	USGS-103	1269.4	Technetium-99	2.62E-01	2.40E+00		U	PCI/L	07/13/2009	8.16E+00	BAM-115-09
GWA03501UX	USGS-103	805.2	Iodine-129	1.02E-02	2.57E-02		U	PCI/L	07/01/2009	9.09E-02	BAM-117-09
GWA03601UX	USGS-103	913.8	Iodine-129	-5.12E-02	2.82E-02		U	PCI/L	07/02/2009	8.88E-02	BAM-117-09
GWA03701UX	USGS-103	999.4	Iodine-129	1.94E-02	2.39E-02		U	PCI/L	07/07/2009	8.58E-02	BAM-117-09
GWA03801UX	USGS-103	1095.1	Iodine-129	-2.12E-02	2.46E-02		U	PCI/L	07/08/2009	7.49E-02	BAM-117-09
GWA03901UX	USGS-103	1220.2	Iodine-129	3.13E-03	3.17E-02		U	PCI/L	07/09/2009	1.07E-01	BAM-117-09
GWA04001UX	USGS-103	1269.4	Iodine-129	-1.04E-02	1.08E-02		U	PCI/L	07/13/2009	3.45E-02	BAM-117-09
GWA03401R8	USGS-103	681.9	Tritium	-2.80E+01	1.06E+02		U	PCI/L	07/01/2009	3.86E+02	BAM-119-09
GWA03401RH	USGS-103	681.9	Gross Alpha	3.84E+00	9.53E-01			PCI/L	07/01/2009	1.22E+00	BAM-120-09
GWA03401RH	USGS-103	681.9	Gross Beta	2.62E+00	6.71E-01			PCI/L	07/01/2009	1.56E+00	BAM-120-09
GWA03401RH	USGS-103	681.9	Strontium-90	7.73E-02	1.04E-01		U	PCI/L	07/01/2009	3.66E-01	BAM-120-09
GWA03401RH	USGS-103	681.9	Technetium-99	-5.68E+00	2.84E+00		U	PCI/L	07/01/2009	9.84E+00	BAM-120-09
GWA03401UX	USGS-103	681.9	Iodine-129	-2.76E-03	2.33E-02		U	PCI/L	07/01/2009	7.74E-02	BAM-118-09
GWA04701A1	USGS-104	555	Alkalinity, Total as CaCO3	122				MG/L	06/15/2009		HCJ-156-09
GWA04702A1	USGS-104	555	Alkalinity, Total as CaCO3	121				MG/L	06/15/2009		HCJ-156-09
GWA04701AN	USGS-104	555	Bromide	0		U		MG/L	06/15/2009		HCJ-158-09
GWA04701AN	USGS-104	555	Chloride	13.1				MG/L	06/15/2009		HCJ-158-09
GWA04701AN	USGS-104	555	Fluoride	0.231		J		MG/L	06/15/2009		HCJ-158-09
GWA04701AN	USGS-104	555	Sulfate	20.6				MG/L	06/15/2009		HCJ-158-09

Table A-2. (continued).

Field Sample Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA04702AN	USGS-104	555	Bromide	0		U		MG/L	06/15/2009		HCJ-158-09
GWA04702AN	USGS-104	555	Chloride	13				MG/L	06/15/2009		HCJ-158-09
GWA04702AN	USGS-104	555	Fluoride	0.23		J		MG/L	06/15/2009		HCJ-158-09
GWA04702AN	USGS-104	555	Sulfate	20.6				MG/L	06/15/2009		HCJ-158-09
GWA04701N2	USGS-104	555	Nitrogen, Nitrate/Nitrite	0.905				MG/L	06/15/2009		HCJ-154-09
GWA04702N2	USGS-104	555	Nitrogen, Nitrate/Nitrite	0.905				MG/L	06/15/2009		HCJ-154-09
GWA047012X	USGS-104	555	Aluminum	15		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Antimony	1		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Arsenic	3.85		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Barium	31.5		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Beryllium	0.1		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Cadmium	0.11		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Calcium	35000				UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Chromium	7.62				UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Cobalt	0.101		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Copper	0.461		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Iron	94		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Lead	0.5		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Magnesium	13300				UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Manganese	1		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Mercury	0.066		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Nickel	1.1		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Potassium	2640		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Selenium	1		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Silver	0.2		U		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Sodium	8960				UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Strontium	209				UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Thallium	0.315		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Uranium	1.83		B		UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Vanadium	5.52		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047012X	USGS-104	555	Zinc	3		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Aluminum	15		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Antimony	1		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Arsenic	2.57		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Barium	31		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Beryllium	0.1		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Cadmium	0.11		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Calcium	33400				UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Chromium	9.91				UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Cobalt	0.1		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Copper	0.349		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Iron	77.9		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Lead	0.5		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Magnesium	12500				UG/L	06/15/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA047022X	USGS-104	555	Manganese	1		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Mercury	0.066		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Nickel	1.02		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Potassium	2500		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Selenium	1.23		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Silver	0.2		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Sodium	8160				UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Strontium	207				UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Thallium	0.3		U		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Uranium	1.83		B		UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Vanadium	6.68		B	U	UG/L	06/15/2009		HCJ-160-09
GWA047022X	USGS-104	555	Zinc	3		U		UG/L	06/15/2009		HCJ-160-09
GWA04701VL	USGS-104	555	Dichlorodifluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Chloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Vinyl Chloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Bromomethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Chloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Trichlorofluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Acetone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,1-Dichloroethene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Methyl acetate	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Methylene Chloride	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Carbon disulfide	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Tert-butyl methyl ether	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	trans-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,1-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	2-Butanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	cis-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Chloroform	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,1,1-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Carbon tetrachloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Benzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Trichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2-Dichloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Methyl cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Bromodichloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	4-Methyl-2-pentanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	cis-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Toluene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	trans-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,1,2-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	2-Hexanone	5		U		UG/L	06/15/2009		HCJ-153-09

Table A-2. (continued).

Field Sample		Depth	Compound	Sample	Sample	Result	Validation	Sample	Date Sample	MDA	L&V Report Number
Number	Location			Result	Error	Qualifier	Flag	Units	Collected		
GWA04701VL	USGS-104	555	Tetrachloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Dibromochloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2-Dibromoethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Chlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Ethylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Styrene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Bromoform	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Isopropylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,3-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,4-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Trichlorotrifluoroethane	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	Xylene (Total)	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2,4-Trichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701VL	USGS-104	555	1,2-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Dichlorodifluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Chloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Vinyl Chloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Bromomethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Chloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Trichlorofluoromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Acetone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,1-Dichloroethene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Methyl acetate	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Methylene Chloride	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Carbon disulfide	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Tert-butyl methyl ether	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	trans-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,1-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	2-Butanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	cis-1,2-Dichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Chloroform	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,1,1-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Carbon tetrachloride	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2-Dichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Benzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Trichloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2-Dichloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Methyl cyclohexane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Bromodichloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	4-Methyl-2-pentanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	cis-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09

Table A-2. (continued).

Field Sample			Sample	Sample	Result	Validation	Sample	Date Sample			
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04702VL	USGS-104	555	Toluene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	trans-1,3-Dichloropropylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,1,2-Trichloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	2-Hexanone	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Tetrachloroethylene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Dibromochloromethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2-Dibromoethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Chlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Ethylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Styrene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Bromoform	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Isopropylbenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,3-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,4-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Trichlorotrifluoroethane	5		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	Xylene (Total)	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2,4-Trichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04702VL	USGS-104	555	1,2-Dichlorobenzene	1		U		UG/L	06/15/2009		HCJ-153-09
GWA04701R8	USGS-104	555	Tritium	7.53E+02	1.32E+02			PCI/L	06/15/2009	3.06E+02	BAM-119-09
GWA04702R8	USGS-104	555	Tritium	5.67E+02	1.18E+02			PCI/L	06/15/2009	3.05E+02	BAM-119-09
GWA04701RH	USGS-104	555	Gross Alpha	-1.59E-01	3.33E-01		U	PCI/L	06/15/2009	1.71E+00	BAM-120-09
GWA04701RH	USGS-104	555	Gross Beta	1.62E+00	5.30E-01			PCI/L	06/15/2009	1.43E+00	BAM-120-09
GWA04702RH	USGS-104	555	Gross Alpha	4.62E+00	1.23E+00			PCI/L	06/15/2009	2.38E+00	BAM-120-09
GWA04702RH	USGS-104	555	Gross Beta	3.35E+00	9.95E-01			PCI/L	06/15/2009	2.81E+00	BAM-120-09
GWA04701RH	USGS-104	555	Strontium-90	1.31E-02	1.35E-01		U	PCI/L	06/15/2009	4.70E-01	BAM-120-09
GWA04702RH	USGS-104	555	Strontium-90	3.01E-01	1.08E-01		UJ	PCI/L	06/15/2009	3.21E-01	BAM-120-09
GWA04701RH	USGS-104	555	Technetium-99	-3.09E+00	1.60E+00		U	PCI/L	06/15/2009	5.89E+00	BAM-120-09
GWA04702RH	USGS-104	555	Technetium-99	-1.88E+00	1.61E+00		U	PCI/L	06/15/2009	5.82E+00	BAM-120-09
GWA04702UX	USGS-104	555	Iodine-129	-5.34E-04	2.69E-02		U	PCI/L	06/15/2009	9.00E-02	BAM-118-09
GWA04701UX	USGS-104	555	Iodine-129	1.98E-02	3.53E-02		U	PCI/L	06/15/2009	1.19E-01	BAM-118-09
GWA04801VL	USGS-106	584	1,1,1-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,1,1-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,1,2-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,1,2-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,1-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,1-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,1-Dichloroethene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,1-Dichloroethene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,2,4-Trichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2,4-Trichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04801VL	USGS-106	584	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,2-Dibromoethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2-Dibromoethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,2-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,2-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,2-Dichloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,2-Dichloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,3-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,3-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	1,4-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	1,4-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	2-Butanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	2-Butanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	2-Hexanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	2-Hexanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	4-Methyl-2-pentanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	4-Methyl-2-pentanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Acetone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Acetone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802A1	USGS-106	584	Alkalinity, Total as CaCO3	155				MG/L	06/10/2009		HCJ-157-09
GWA04801A1	USGS-106	584	Alkalinity, Total as CaCO3	155				MG/L	06/10/2009		HCJ-157-09
GWA048012X	USGS-106	584	Aluminum	15		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Aluminum	15		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Antimony	1		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Antimony	1		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Arsenic	1.6		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Arsenic	1.6		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Barium	46.8		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Barium	47		B		UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Benzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Benzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Beryllium	0.1		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Beryllium	0.1		U		UG/L	06/10/2009		HCJ-161-09
GWA04801AN	USGS-106	584	Bromide	0		U		MG/L	06/10/2009		HCJ-159-09
GWA04802AN	USGS-106	584	Bromide	0		U		MG/L	06/10/2009		HCJ-159-09
GWA04801VL	USGS-106	584	Bromodichloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Bromodichloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Bromoform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Bromoform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Bromomethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Bromomethane	1		U		UG/L	06/10/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA048012X	USGS-106	584	Cadmium	0.288		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Cadmium	0.24		B		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Calcium	43300				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Calcium	41600				UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Carbon disulfide	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Carbon disulfide	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Carbon tetrachloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Carbon tetrachloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801AN	USGS-106	584	Chloride	14.9				MG/L	06/10/2009		HCJ-159-09
GWA04802AN	USGS-106	584	Chloride	15				MG/L	06/10/2009		HCJ-159-09
GWA04801VL	USGS-106	584	Chlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Chlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Chloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Chloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Chloroform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Chloroform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Chloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Chloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Chromium	6.93				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Chromium	6.85				UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	cis-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	cis-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	cis-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	cis-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Cobalt	4.33		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Cobalt	0.229		B		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Copper	1.03		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Copper	1.02		B		UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Dibromochloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Dibromochloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Dichlorodifluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Dichlorodifluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Ethylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Ethylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801AN	USGS-106	584	Fluoride	0.211		J		MG/L	06/10/2009		HCJ-159-09
GWA04802AN	USGS-106	584	Fluoride	0.192		J		MG/L	06/10/2009		HCJ-159-09
GWA04801RH	USGS-106	584	Gross Alpha	1.88E+00	7.57E-01		UJ	PCI/L	06/10/2009	1.94E+00	BAM-120-09
GWA04802RH	USGS-106	584	Gross Alpha	2.39E+00	8.20E-01		J	PCI/L	06/10/2009	1.88E+00	BAM-120-09
GWA04801RH	USGS-106	584	Gross Beta	3.42E+00	8.76E-01			PCI/L	06/10/2009	2.30E+00	BAM-120-09
GWA04802RH	USGS-106	584	Gross Beta	2.59E+00	7.53E-01			PCI/L	06/10/2009	2.03E+00	BAM-120-09
GWA04801UX	USGS-106	584	Iodine-129	5.00E-02	2.69E-02		U	PCI/L	06/10/2009	9.95E-02	BAM-118-09
GWA048012X	USGS-106	584	Iron	184				UG/L	06/10/2009		HCJ-161-09

Table A-2. (continued).

Field Sample			Sample	Sample	Result	Validation	Sample	Date Sample			
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA048022X	USGS-106	584	Iron	177				UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Isopropylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Isopropylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Lead	13.2				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Lead	13.3				UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Magnesium	17100				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Magnesium	16300				UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Manganese	7.12		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Manganese	1		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Mercury	0.067		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Mercury	0.067		U		UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Methyl acetate	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Methyl acetate	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Methyl cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Methyl cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Methylene Chloride	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Methylene Chloride	5		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Nickel	1.43		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Nickel	0.984		B		UG/L	06/10/2009		HCJ-161-09
GWA04801N2	USGS-106	584	Nitrogen, Nitrate/Nitrite	1.04				MG/L	06/10/2009		HCJ-155-09
GWA04802N2	USGS-106	584	Nitrogen, Nitrate/Nitrite	1.04				MG/L	06/10/2009		HCJ-155-09
GWA048012X	USGS-106	584	Potassium	2150		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Potassium	2000		B		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Selenium	1.11		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Selenium	1		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Silver	0.2		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Silver	0.2		U		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Sodium	7160				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Sodium	7220				UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Strontium	226				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Strontium	226				UG/L	06/10/2009		HCJ-161-09
GWA04801RH	USGS-106	584	Strontium-90	-6.90E-02	9.60E-02		U	PCI/L	06/10/2009	3.65E-01	BAM-120-09
GWA04802RH	USGS-106	584	Strontium-90	-3.19E-04	7.13E-02		U	PCI/L	06/10/2009	2.58E-01	BAM-120-09
GWA04801VL	USGS-106	584	Styrene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Styrene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801AN	USGS-106	584	Sulfate	23.1				MG/L	06/10/2009		HCJ-159-09
GWA04802AN	USGS-106	584	Sulfate	23.1				MG/L	06/10/2009		HCJ-159-09
GWA04801RH	USGS-106	584	Technetium-99	-3.06E+00	1.58E+00		U	PCI/L	06/10/2009	5.85E+00	BAM-120-09
GWA04802RH	USGS-106	584	Technetium-99	-2.40E+00	1.59E+00		U	PCI/L	06/10/2009	5.78E+00	BAM-120-09
GWA04801VL	USGS-106	584	Tert-butyl methyl ether	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Tert-butyl methyl ether	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Tetrachloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Tetrachloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Thallium	0.3		U		UG/L	06/10/2009		HCJ-161-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA048022X	USGS-106	584	Thallium	0.3		U		UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Toluene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Toluene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	trans-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	trans-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	trans-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	trans-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Trichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Trichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Trichlorofluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Trichlorofluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Trichlorotrifluoroethane	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Trichlorotrifluoroethane	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04801R8	USGS-106	584	Tritium	4.67E+02	1.11E+02			PCI/L	06/10/2009	3.05E+02	BAM-119-09
GWA04802R8	USGS-106	584	Tritium	4.35E+02	1.09E+02			PCI/L	06/10/2009	3.05E+02	BAM-119-09
GWA048012X	USGS-106	584	Uranium	1.7		B		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Uranium	1.64		B		UG/L	06/10/2009		HCJ-161-09
GWA048012X	USGS-106	584	Vanadium	3		U		UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Vanadium	3		U		UG/L	06/10/2009		HCJ-161-09
GWA04801VL	USGS-106	584	Vinyl Chloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Vinyl Chloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04801VL	USGS-106	584	Xylene (Total)	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04802VL	USGS-106	584	Xylene (Total)	1		U		UG/L	06/10/2009		HCJ-148-09
GWA048012X	USGS-106	584	Zinc	161				UG/L	06/10/2009		HCJ-161-09
GWA048022X	USGS-106	584	Zinc	165				UG/L	06/10/2009		HCJ-161-09
GWA04802UX	USGS-106	584	Iodine-129	-4.01E-02	4.54E-02		U	PCI/L	06/10/2009	1.23E-01	BAM-118-09
GWA049012X	USGS-107	477	Aluminum	15		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Antimony	1		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Arsenic	1.6		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Barium	56		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Beryllium	0.1		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Cadmium	0.11		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Calcium	33900				UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Chromium	4.04		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Cobalt	3.88		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Copper	0.681		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Iron	141				UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Lead	0.5		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Magnesium	15900				UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Manganese	5.91		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Mercury	0.067		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Nickel	1.04		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Potassium	2980		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Selenium	1.27		B		UG/L	06/10/2009		HCJ-161-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA049012X	USGS-107	477	Silver	0.2		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Sodium	16200				UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Strontium	200				UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Thallium	0.3		U		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Uranium	2.7		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Vanadium	3.33		B		UG/L	06/10/2009		HCJ-161-09
GWA049012X	USGS-107	477	Zinc	3		U		UG/L	06/10/2009		HCJ-161-09
GWA04901A1	USGS-107	477	Alkalinity, Total as CaCO3	144				MG/L	06/10/2009		HCJ-157-09
GWA04901AN	USGS-107	477	Bromide	0		U		MG/L	06/10/2009		HCJ-159-09
GWA04901AN	USGS-107	477	Chloride	21.2				MG/L	06/10/2009		HCJ-159-09
GWA04901AN	USGS-107	477	Fluoride	0.423		J		MG/L	06/10/2009		HCJ-159-09
GWA04901AN	USGS-107	477	Sulfate	26.6				MG/L	06/10/2009		HCJ-159-09
GWA04901N2	USGS-107	477	Nitrogen, Nitrate/Nitrite	1.23				MG/L	06/10/2009		HCJ-155-09
GWA04901VL	USGS-107	477	Dichlorodifluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Chloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Vinyl Chloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Bromomethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Chloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Trichlorofluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Acetone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,1-Dichloroethene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Methyl acetate	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Methylene Chloride	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Carbon disulfide	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Tert-butyl methyl ether	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	trans-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,1-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	2-Butanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	cis-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Chloroform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,1,1-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Carbon tetrachloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Benzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Trichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2-Dichloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Methyl cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Bromodichloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	4-Methyl-2-pentanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	cis-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Toluene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	trans-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,1,2-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09

Table A-2. (continued).

Field Sample	Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA04901VL	USGS-107	477	2-Hexanone	5			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Tetrachloroethylene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Dibromochloromethane	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2-Dibromoethane	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Chlorobenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Ethylbenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Styrene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Bromoform	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,1,2,2-Tetrachloroethane	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Isopropylbenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,3-Dichlorobenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,4-Dichlorobenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2-Dibromo-3-chloropropane	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Trichlorotrifluoroethane	5			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	Xylene (Total)	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2,4-Trichlorobenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901VL	USGS-107	477	1,2-Dichlorobenzene	1			U		UG/L	06/10/2009		HCJ-148-09
GWA04901R8	USGS-107	477	Tritium	0.00E+00	8.77E+01			U	PCI/L	06/10/2009	3.05E+02	BAM-119-09
GWA04901RH	USGS-107	477	Gross Alpha	3.14E+00	9.85E-01				PCI/L	06/10/2009	2.30E+00	BAM-120-09
GWA04901RH	USGS-107	477	Gross Beta	3.04E+00	1.06E+00			UJ	PCI/L	06/10/2009	3.12E+00	BAM-120-09
GWA04901RH	USGS-107	477	Strontium-90	1.49E-01	1.06E-01			U	PCI/L	06/10/2009	3.53E-01	BAM-120-09
GWA04901RH	USGS-107	477	Technetium-99	-1.42E+00	1.74E+00			U	PCI/L	06/10/2009	6.19E+00	BAM-120-09
GWA04901UX	USGS-107	477	Iodine-129	6.77E-03	2.47E-02			U	PCI/L	06/10/2009	8.42E-02	BAM-118-09
GWA042012X	USGS-109	621	Aluminum	15			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Antimony	1			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Arsenic	1.6			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Barium	30.9			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Beryllium	0.1			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Cadmium	0.11			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Calcium	36000					UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Chromium	5.85					UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Cobalt	3.23			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Copper	0.571			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Iron	202					UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Lead	0.5			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Magnesium	16300					UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Manganese	8.58			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Mercury	0.067			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Nickel	1.04			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Potassium	2520			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Selenium	1			B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Silver	0.2			U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Sodium	11200					UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Strontium	219					UG/L	06/10/2009		HCJ-161-09

Table A-2. (continued).

Field Sample Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA042012X	USGS-109	621	Thallium	0.3		U		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Uranium	2.43		B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Vanadium	3.15		B		UG/L	06/10/2009		HCJ-161-09
GWA042012X	USGS-109	621	Zinc	3.34		B		UG/L	06/10/2009		HCJ-161-09
GWA04201A1	USGS-109	621	Alkalinity, Total as CaCO ₃	139				MG/L	06/10/2009		HCJ-157-09
GWA04201AN	USGS-109	621	Bromide	0		U		MG/L	06/10/2009		HCJ-159-09
GWA04201AN	USGS-109	621	Chloride	13.2				MG/L	06/10/2009		HCJ-159-09
GWA04201AN	USGS-109	621	Fluoride	0.25		J		MG/L	06/10/2009		HCJ-159-09
GWA04201AN	USGS-109	621	Sulfate	26.1				MG/L	06/10/2009		HCJ-159-09
GWA04201N2	USGS-109	621	Nitrogen, Nitrate/Nitrite	0.669				MG/L	06/10/2009		HCJ-155-09
GWA04201VL	USGS-109	621	Dichlorodifluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Chloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Vinyl Chloride	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Bromomethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Chloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Trichlorofluoromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Acetone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,1-Dichloroethene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Methyl acetate	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Methylene Chloride	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Carbon disulfide	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Tert-butyl methyl ether	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	trans-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,1-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	2-Butanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	cis-1,2-Dichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Chloroform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,1,1-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Carbon tetrachloride	0.269		J		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,2-Dichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Benzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Trichloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,2-Dichloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Methyl cyclohexane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Bromodichloromethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	4-Methyl-2-pentanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	cis-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Toluene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	trans-1,3-Dichloropropylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,1,2-Trichloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	2-Hexanone	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Tetrachloroethylene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Dibromochloromethane	1		U		UG/L	06/10/2009		HCJ-148-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA04201VL	USGS-109	621	1,2-Dibromoethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Chlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Ethylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Styrene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Bromoform	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Isopropylbenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,3-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,4-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Trichlorotrifluoroethane	5		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	Xylene (Total)	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,2,4-Trichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201VL	USGS-109	621	1,2-Dichlorobenzene	1		U		UG/L	06/10/2009		HCJ-148-09
GWA04201R8	USGS-109	621	Tritium	1.01E+02	9.11E+01		U	PCI/L	06/10/2009	3.04E+02	BAM-119-09
GWA04201RH	USGS-109	621	Gross Alpha	4.54E-01	4.96E-01		U	PCI/L	06/10/2009	1.86E+00	BAM-120-09
GWA04201RH	USGS-109	621	Gross Beta	3.79E+00	8.59E-01			PCI/L	06/10/2009	2.08E+00	BAM-120-09
GWA04201RH	USGS-109	621	Strontium-90	3.50E-01	1.23E-01		UJ	PCI/L	06/10/2009	3.76E-01	BAM-120-09
GWA04201RH	USGS-109	621	Technetium-99	-1.57E-01	1.69E+00		U	PCI/L	06/10/2009	5.88E+00	BAM-120-09
GWA04201UX	USGS-109	621	Iodine-129	-5.29E-02	4.37E-02		U	PCI/L	06/10/2009	1.37E-01	BAM-118-09
GWA043012X	USGS-110	566	Aluminum	15		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Antimony	1		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Arsenic	1.6		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Barium	34.8		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Beryllium	0.1		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Cadmium	0.11		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Calcium	31300				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Chromium	2		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Cobalt	3.43		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Copper	0.604		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Iron	361				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Lead	0.5		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Magnesium	13600				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Manganese	20.8				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Mercury	0.067		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Nickel	1.33		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Potassium	2940		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Selenium	1		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Silver	0.2		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Sodium	16100				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Strontium	150				UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Thallium	0.3		U		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Uranium	2.31		B		UG/L	06/02/2009		HCJ-161-09
GWA043012X	USGS-110	566	Vanadium	3		U		UG/L	06/02/2009		HCJ-161-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA043012X	USGS-110	566	Zinc	3		U		UG/L	06/02/2009		HCJ-161-09
GWA04301A1	USGS-110	566	Alkalinity, Total as CaCO3	136				MG/L	06/02/2009		HCJ-157-09
GWA04301AN	USGS-110	566	Bromide	0		U		MG/L	06/02/2009		HCJ-159-09
GWA04301AN	USGS-110	566	Chloride	19.2				MG/L	06/02/2009		HCJ-159-09
GWA04301AN	USGS-110	566	Fluoride	0.575				MG/L	06/02/2009		HCJ-159-09
GWA04301AN	USGS-110	566	Sulfate	17.9				MG/L	06/02/2009		HCJ-159-09
GWA04301N2	USGS-110	566	Nitrogen, Nitrate/Nitrite	1.48				MG/L	06/02/2009		HCJ-155-09
GWA04301VL	USGS-110	566	Dichlorodifluoromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Chloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Vinyl Chloride	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Bromomethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Chloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Trichlorofluoromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Acetone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,1-Dichloroethene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Methyl acetate	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Methylene Chloride	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Carbon disulfide	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Tert-butyl methyl ether	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	trans-1,2-Dichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,1-Dichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	2-Butanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	cis-1,2-Dichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Chloroform	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,1,1-Trichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Cyclohexane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Carbon tetrachloride	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,2-Dichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Benzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Trichloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,2-Dichloropropane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Methyl cyclohexane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Bromodichloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	4-Methyl-2-pentanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	cis-1,3-Dichloropropylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Toluene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	trans-1,3-Dichloropropylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,1,2-Trichloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	2-Hexanone	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Tetrachloroethylene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Dibromochloromethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	1,2-Dibromoethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Chlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566	Ethylbenzene	1		U		UG/L	06/02/2009		HCJ-148-09

Table A-2. (continued).

Field Sample	Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA04301VL	USGS-110	566		Styrene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		Bromoform	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,1,2,2-Tetrachloroethane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		Isopropylbenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,3-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,4-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,2-Dibromo-3-chloropropane	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		Trichlorotrifluoroethane	5		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		Xylene (Total)	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,2,4-Trichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301VL	USGS-110	566		1,2-Dichlorobenzene	1		U		UG/L	06/02/2009		HCJ-148-09
GWA04301R8	USGS-110	566		Tritium	0.00E+00	8.83E+01		U	PCI/L	06/02/2009	3.07E+02	BAM-119-09
GWA04301RH	USGS-110	566		Gross Alpha	2.02E+00	7.41E-01		J	PCI/L	06/02/2009	1.62E+00	BAM-120-09
GWA04301RH	USGS-110	566		Gross Beta	4.23E+00	1.03E+00			PCI/L	06/02/2009	2.76E+00	BAM-120-09
GWA04301RH	USGS-110	566		Strontium-90	1.36E-01	1.02E-01		U	PCI/L	06/02/2009	3.41E-01	BAM-120-09
GWA04301RH	USGS-110	566		Technetium-99	-2.47E+00	1.59E+00		U	PCI/L	06/02/2009	5.81E+00	BAM-120-09
GWA04301UX	USGS-110	566		Iodine-129	-2.57E-02	2.30E-02		U	PCI/L	06/02/2009	6.91E-02	BAM-118-09
GWA05001A1	USGS-132	646.7		Alkalinity, Total as CaCO3	148				MG/L	06/24/2009		HCJ-156-09
GWA05001AN	USGS-132	646.7		Bromide	0		U		MG/L	06/24/2009		HCJ-158-09
GWA05001AN	USGS-132	646.7		Chloride	17.5				MG/L	06/24/2009		HCJ-158-09
GWA05001AN	USGS-132	646.7		Fluoride	0.28		J		MG/L	06/24/2009		HCJ-158-09
GWA05001AN	USGS-132	646.7		Sulfate	37.2				MG/L	06/24/2009		HCJ-158-09
GWA05001N2	USGS-132	646.7		Nitrogen, Nitrate/Nitrite	0.905				MG/L	06/24/2009		HCJ-154-09
GWA05101A1	USGS-132	774.2		Alkalinity, Total as CaCO3	139				MG/L	06/29/2009		HCJ-168-09
GWA05201A1	USGS-132	836		Alkalinity, Total as CaCO3	141				MG/L	06/29/2009		HCJ-168-09
GWA05101AN	USGS-132	774.2		Bromide	0		U		MG/L	06/29/2009		HCJ-170-09
GWA05101AN	USGS-132	774.2		Chloride	10.5			J	MG/L	06/29/2009		HCJ-170-09
GWA05101AN	USGS-132	774.2		Fluoride	0.228		J		MG/L	06/29/2009		HCJ-170-09
GWA05101AN	USGS-132	774.2		Sulfate	25.2				MG/L	06/29/2009		HCJ-170-09
GWA05201AN	USGS-132	836		Bromide	0		U		MG/L	06/29/2009		HCJ-170-09
GWA05201AN	USGS-132	836		Chloride	9.52			J	MG/L	06/29/2009		HCJ-170-09
GWA05201AN	USGS-132	836		Fluoride	0.216		J		MG/L	06/29/2009		HCJ-170-09
GWA05201AN	USGS-132	836		Sulfate	23.9				MG/L	06/29/2009		HCJ-170-09
GWA05101N2	USGS-132	774.2		Nitrogen, Nitrate/Nitrite	0.73				MG/L	06/29/2009		HCJ-171-09
GWA05201N2	USGS-132	836		Nitrogen, Nitrate/Nitrite	0.673				MG/L	06/29/2009		HCJ-171-09
GWA050012X	USGS-132	646.7		Aluminum	15		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Antimony	1		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Arsenic	3		B	U	UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Barium	55.5		B		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Beryllium	0.1		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Cadmium	0.11		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Calcium	33200				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Chromium	9.54				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7		Cobalt	0.1		U		UG/L	06/24/2009		HCJ-160-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA050012X	USGS-132	646.7	Copper	0.815		B	U	UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Iron	87		B		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Lead	0.5		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Magnesium	15700				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Manganese	1		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Mercury	0.066		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Nickel	0.756		B		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Potassium	3510		B		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Selenium	1		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Silver	0.2		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Sodium	24700				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Strontium	223				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Thallium	0.3		U		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Uranium	3.06				UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Vanadium	3.07		B		UG/L	06/24/2009		HCJ-160-09
GWA050012X	USGS-132	646.7	Zinc	6.12		B		UG/L	06/24/2009		HCJ-160-09
GWA051012X	USGS-132	774.2	Aluminum	15		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Antimony	1		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Arsenic	1.6		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Barium	43.9		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Beryllium	0.1		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Cadmium	0.11		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Calcium	40100				UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Chromium	8.18				UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Cobalt	0.16		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Copper	0.853		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Iron	232				UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Lead	0.5		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Magnesium	17500				UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Manganese	1		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Mercury	0.066		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Nickel	1.39		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Potassium	2670		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Selenium	1.39		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Silver	0.2		U		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Sodium	12300		E	J	UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Strontium	214				UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Thallium	0.373		B	U	UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Uranium	2.47		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Vanadium	6.55		B		UG/L	06/29/2009		HCJ-172-09
GWA051012X	USGS-132	774.2	Zinc	6.1		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Aluminum	15		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Antimony	1		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Arsenic	1.6		U		UG/L	06/29/2009		HCJ-172-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA052012X	USGS-132	836	Barium	43		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Beryllium	0.1		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Cadmium	0.11		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Calcium	42000				UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Chromium	7.91				UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Cobalt	0.142		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Copper	1.24		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Iron	237				UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Lead	0.5		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Magnesium	16200				UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Manganese	1		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Mercury	0.066		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Nickel	1.39		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Potassium	2390		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Selenium	1.26		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Silver	0.2		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Sodium	8990		E	J	UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Strontium	224				UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Thallium	0.3		U		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Uranium	2.49		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Vanadium	6.23		B		UG/L	06/29/2009		HCJ-172-09
GWA052012X	USGS-132	836	Zinc	15.3		B		UG/L	06/29/2009		HCJ-172-09
GWA05001VL	USGS-132	646.7	Dichlorodifluoromethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Chloromethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Vinyl Chloride	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Bromomethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Chloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Trichlorofluoromethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Acetone	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,1-Dichloroethene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Methyl acetate	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Methylene Chloride	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Carbon disulfide	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Tert-butyl methyl ether	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	trans-1,2-Dichloroethylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,1-Dichloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	2-Butanone	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	cis-1,2-Dichloroethylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Chloroform	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,1,1-Trichloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Cyclohexane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Carbon tetrachloride	0.452		J		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2-Dichloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Benzene	1		U		UG/L	06/24/2009		HCJ-153-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05001VL	USGS-132	646.7	Trichloroethylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2-Dichloropropane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Methyl cyclohexane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Bromodichloromethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	4-Methyl-2-pentanone	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	cis-1,3-Dichloropropylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Toluene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	trans-1,3-Dichloropropylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,1,2-Trichloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	2-Hexanone	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Tetrachloroethylene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Dibromochloromethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2-Dibromoethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Chlorobenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Ethylbenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Styrene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Bromoform	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Isopropylbenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,3-Dichlorobenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,4-Dichlorobenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Trichlorotrifluoroethane	5		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	Xylene (Total)	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2,4-Trichlorobenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05001VL	USGS-132	646.7	1,2-Dichlorobenzene	1		U		UG/L	06/24/2009		HCJ-153-09
GWA05101VL	USGS-132	774.2	Dichlorodifluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Chloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Vinyl Chloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Bromomethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Chloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Trichlorofluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Acetone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,1-Dichloroethene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Methyl acetate	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Methylene Chloride	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Carbon disulfide	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Tert-butyl methyl ether	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	trans-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,1-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	2-Butanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	cis-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Chloroform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,1,1-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09

Table A-2. (continued).

Field Sample				Sample	Sample	Result	Validation	Sample	Date Sample		
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05101VL	USGS-132	774.2	Cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Carbon tetrachloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Benzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Trichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2-Dichloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Methyl cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Bromodichloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	4-Methyl-2-pentanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	cis-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Toluene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	trans-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,1,2-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	2-Hexanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Tetrachloroethylene	1		BJ	U	UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Dibromochloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2-Dibromoethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Chlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Ethylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Styrene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Bromoform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Isopropylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,3-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,4-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Trichlorotrifluoroethane	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Xylene (Total)	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2,4-Trichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	1,2-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05101VL	USGS-132	774.2	Unknown	31.3		J		UG/L	06/29/2009		
GWA05201VL	USGS-132	836	Dichlorodifluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Chloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Vinyl Chloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Bromomethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Chloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Trichlorofluoromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Acetone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,1-Dichloroethene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Methyl acetate	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Methylene Chloride	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Carbon disulfide	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Tert-butyl methyl ether	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	trans-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09

Table A-2. (continued).

Field Sample			Sample	Sample	Result	Validation	Sample	Date Sample			
Number	Location	Depth	Compound	Result	Error	Qualifier	Flag	Units	Collected	MDA	L&V Report Number
GWA05201VL	USGS-132	836	1,1-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	2-Butanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	cis-1,2-Dichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Chloroform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,1,1-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Carbon tetrachloride	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2-Dichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Benzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Trichloroethylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2-Dichloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Methyl cyclohexane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Bromodichloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	4-Methyl-2-pentanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	cis-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Toluene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	trans-1,3-Dichloropropylene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,1,2-Trichloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	2-Hexanone	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Tetrachloroethylene	1		BJ	U	UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Dibromochloromethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2-Dibromoethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Chlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Ethylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Styrene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Bromoform	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,1,2,2-Tetrachloroethane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Isopropylbenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,3-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,4-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2-Dibromo-3-chloropropane	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Trichlorotrifluoroethane	5		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Xylene (Total)	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2,4-Trichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	1,2-Dichlorobenzene	1		U		UG/L	06/29/2009		HCJ-166-09
GWA05201VL	USGS-132	836	Unknown	11.2		J		UG/L	06/29/2009		
GWA05201VL	USGS-132	836	Unknown	18.3		J		UG/L	06/29/2009		
GWA05001R8	USGS-132	646.7	Tritium	1.77E+02	1.18E+02		U	PCI/L	06/24/2009	3.87E+02	BAM-119-09
GWA05101R8	USGS-132	774.2	Tritium	1.86E+02	1.18E+02		U	PCI/L	06/29/2009	3.85E+02	BAM-119-09
GWA05201R8	USGS-132	836	Tritium	2.73E+02	1.23E+02		UJ	PCI/L	06/29/2009	3.85E+02	BAM-119-09
GWA05001RH	USGS-132	646.7	Gross Alpha	2.90E+00	8.91E-01			PCI/L	06/24/2009	1.83E+00	BAM-120-09
GWA05001RH	USGS-132	646.7	Gross Beta	4.55E+00	8.91E-01			PCI/L	06/24/2009	1.89E+00	BAM-120-09
GWA05101RH	USGS-132	774.2	Gross Alpha	1.46E+00	7.08E-01		UJ	PCI/L	06/29/2009	2.00E+00	BAM-120-09
GWA05101RH	USGS-132	774.2	Gross Beta	3.91E+00	9.62E-01			PCI/L	06/29/2009	2.56E+00	BAM-120-09

Table A-2. (continued).

Field Sample Number	Location	Depth	Compound	Sample Result	Sample Error	Result Qualifier	Validation Flag	Sample Units	Date Sample Collected	MDA	L&V Report Number
GWA05201RH	USGS-132	836	Gross Alpha	2.78E+00	9.48E-01		J	PCI/L	06/29/2009	2.35E+00	BAM-120-09
GWA05201RH	USGS-132	836	Gross Beta	3.65E+00	8.78E-01			PCI/L	06/29/2009	2.25E+00	BAM-120-09
GWA05001RH	USGS-132	646.7	Strontium-90	1.74E-01	1.05E-01		U	PCI/L	06/24/2009	3.44E-01	BAM-120-09
GWA05101RH	USGS-132	774.2	Strontium-90	1.58E-01	1.44E-01		U	PCI/L	06/29/2009	4.82E-01	BAM-120-09
GWA05201RH	USGS-132	836	Strontium-90	-5.77E-02	1.33E-01		U	PCI/L	06/29/2009	4.64E-01	BAM-120-09
GWA05001RH	USGS-132	646.7	Technetium-99	-1.77E+00	1.62E+00		U	PCI/L	06/24/2009	5.82E+00	BAM-120-09
GWA05101RH	USGS-132	774.2	Technetium-99	-4.66E+00	2.78E+00		U	PCI/L	06/29/2009	9.57E+00	BAM-120-09
GWA05201RH	USGS-132	836	Technetium-99	-1.16E+00	2.86E+00		U	PCI/L	06/29/2009	9.69E+00	BAM-120-09
GWA05001UX	USGS-132	646.7	Iodine-129	-1.16E-02	2.47E-02		U	PCI/L	06/24/2009	7.84E-02	BAM-118-09
GWA05101UX	USGS-132	774.2	Iodine-129	-4.05E-03	1.94E-02		U	PCI/L	06/29/2009	6.37E-02	BAM-118-09
GWA05201UX	USGS-132	836	Iodine-129	-2.37E-02	1.94E-02		U	PCI/L	06/29/2009	5.40E-02	BAM-118-09

Appendix B

Quality Assurance and Quality Control Sample Results from Fiscal Year 2009 Groundwater Sampling

Appendix B

Quality Assurance and Quality Control Sample Results from Fiscal Year 2009 Groundwater Sampling

B-1. QUALITY ASSURANCE AND QUALITY CONTROL SAMPLING

The purpose of collecting and analyzing quality assurance and quality control samples is to confirm that project objectives and data quality objectives have been achieved. Overall objectives associated with Idaho National Laboratory (INL) Waste Area Group (WAG) 10 annual groundwater monitoring are discussed in *Groundwater Monitoring and Field Sampling Plan for Operable Unit 10-08* (DOE-ID 2007). The following subsections discuss overall objectives and quality assurance and quality control sample results for the Fiscal Year (FY) 2009 sampling effort.

B-1.1 Precision and Accuracy

Spatial variations in concentrations of contaminants at individual sites create sampling variability. Additional variability, called measurement error, occurs during sample collection, handling, processing, analysis, quality evaluation, and reporting. Concentrations of contaminants reported may differ from true concentrations in the media sampled as a result of measurement error, which can be minimized but not eliminated. Though it may not be significant in many cases, it is important to assess the contribution of measurement error to the total error in individual investigations. Analytical results of quality control samples are used to estimate (1) accuracy and precision, (2) quantitative descriptions of measurement error, and (3) bias.

B-1.1.1 Overall Precision

Precision is a measure of the reproducibility of measurements under a given set of conditions. In the field, precision is affected by sample-collection procedures and natural heterogeneity of the matrix. Overall precision (field and laboratory) can be evaluated by using duplicate samples collected in the field. Typically, greater precision is required for analytes with very low action levels that are close to background concentrations. Allowable laboratory precision for water samples is defined as having a relative percent difference (RPD) of less than or equal to 20%. Field precision is the difference between overall precision and laboratory precision. Duplicate samples were taken at Wells USGS-104 and USGS-106. Table B-1 summarizes precision for the FY 2009 groundwater monitoring. Using the formula in Equation (B-1), RPD was calculated only for those samples that had true positive values for both the initial sample and the field duplicate:

$$RPD = \frac{|S - D|}{S + D} \times 200 \quad (B-1)$$

Where

S = sample

D = duplicate.

Table B-1. Overall precision for Fiscal Year 2009 analytical data.

Analyte	Units	Sample	Duplicate	Relative Percent Difference
USGS-106				
Alkalinity, total as CaCO ₃	mg/L	155	155	0.00
Barium	µg/L	46.8	47	0.43
Cadmium	µg/L	0.288	0.24	18.18
Calcium	µg/L	43,300	41,600	4.00
Chloride	mg/L	14.9	15	0.67
Chromium	µg/L	6.93	6.85	1.16
Cobalt	µg/L	4.33	0.229	179.91
Copper	µg/L	1.03	1.02	0.98
Fluoride	mg/L	0.211	0.192	9.43
Gross beta	pCi/L	3.42	2.59	27.62
Iron	µg/L	184	177	3.88
Lead	µg/L	13.2	13.3	0.75
Magnesium	µg/L	17,100	16,300	4.79
Nickel	µg/L	1.43	0.984	36.95
Nitrogen, nitrate/nitrite	mg N/L	1.04	1.04	0.00
Potassium	µg/L	2,150	2,000	7.23
Sodium	µg/L	7,160	7,220	0.83
Strontium	µg/L	226	226	0.00
Tritium	mg/L	467	435	7.10
Uranium	µg/L	1.7	1.64	3.59
Zinc	µg/L	161	165	2.45
USGS-104				
Alkalinity, total as CaCO ₃	mg/L	122	121	0.82
Barium	µg/L	31.5	31	1.60
Calcium	µg/L	35,000	33,400	4.68
Chloride	mg/L	13.1	13	0.77
Chromium	µg/L	7.62	9.91	26.13
Fluoride	µg/L	0.231	0.23	0.43
Gross beta	pCi/L	1.62	3.35	69.62
Iron	µg/L	94	77.9	18.73
Magnesium	µg/L	13,300	12,500	6.20
Nickel	µg/L	1.1	1.02	7.55
Nitrogen, nitrate/nitrite	mg N/L	0.905	0.905	0.00
Potassium	µg/L	2,640	2,500	5.45
Sodium	µg/L	8,960	8,160	9.35
Strontium	µg/L	209	207	0.96
Sulfate	mg/L	20.6	20.6	0.00
Tritium	pCi/L	753	567	28.18
Uranium	µg/L	1.83	1.83	0.00

Table B-1 shows samples in which the analyte is detected in both the sample and the duplicate. Precision for the data in Table B-1 is acceptable, except for chromium, gross beta, and tritium in Well USGS-104 and cobalt, gross beta, and nickel in Well USGS-106. All unacceptable RPDs were close to the detection limit. Consequently, small differences in concentration near the detection limit can result in a large RPD. However, from the project-data-use perspective, concentration numbers are the same for data interpretation purposes and are, therefore, viewed as acceptable.

B-1.1.2 Overall Accuracy

Accuracy is a measure of bias in a measurement system. Accuracy is affected by methods used for sample preservation, sample handling, field contamination, and sample matrix. Effects of the first three methods are evaluated using the field blank, trip blank, and equipment rinsate results. The presence of a contaminant in the field blank, trip blank, or rinsate reveals that cross-contamination has occurred.

Laboratory accuracy is ensured through use of standard methods and calibration standards from the National Institute of Standards and Technology. All instrumentation is calibrated before use, in accordance with procedures outlined in the analytical methods required by INL Sample and Analysis Management (SAM) statements of work. Laboratory accuracy is assessed through use of matrix spikes and laboratory control samples. The number of laboratory quality control samples is specified in analytical methods employed in INL SAM statements of work. Evaluation criteria for quality control samples are specified in data validation technical procedures administered by INL SAM. For samples analyzed in accordance with the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program protocol, validation is also performed in accordance with that protocol. Overall accuracy of the analyses is acceptable for the FY 2009 data set.

B-1.1.3 Representativeness

Representativeness is a qualitative parameter that expresses the degree to which sampling and analysis data accurately and precisely represent the characteristic of a population parameter that drives an action to be taken. Representativeness is evaluated by determining whether measurements were accurate and whether samples represent actual concentrations in the aquifer.

For the FY 2009 sampling activity, all measurements were made according to established EPA and INL SAM protocol. Trained personnel followed established INL procedures to collect physical samples.

B-1.1.4 Comparability

Comparability is a qualitative characteristic that refers to the confidence with which one data set can be compared to another. At a minimum, comparable data must be obtained using unbiased sampling designs. If sampling designs are biased, the reasons for selecting another design should be well documented. Data comparability for this sampling activity was ensured through the following efforts:

- All data sets contained the same variables of interest
- All measurements were performed and results were reported using common units
- Similar analytical procedures and quality assurance measures were used
- All field and laboratory instrumentation had detection limits that were similar to or better than those historically employed
- Established INL procedures were followed during sample collection
- Wells selected for sampling were identical to those chosen historically.

Sampling rounds are conducted at approximately the same time of year in an effort to negate any effect that changes in groundwater levels (e.g., caused by snowmelt and runoff) may have on data.

B-1.2 Completeness

The completeness goal for WAG 10 sampling is 90%. During the FY 2009 sampling event, 12 of 14 groundwater wells were sampled, and 10 of 10 Westbay intervals were sampled. The completeness was 25 of 27 total samples or 92.6 %, thus exceeding the completeness goal of 90%.

B-1.3 Data Validation

Method data validation is the process whereby analytical data are reviewed against set criteria to ensure that the results conform to requirements of the analytical method and any other specified requirements. Laboratory data for the June–July 2009 sampling event were validated to Level B in accordance with established INL SAM and EPA protocols. The limitations and validation reports were transmitted to the regulatory agencies (i.e., U.S. Department of Energy, EPA, and Idaho Department of Environmental Quality) in October 2009. No major problems were identified during this method validation process.

B-1.4 Performance Evaluation Samples

Radioanalytical performance evaluation water samples GWA05501RH, GWA05501R8, and GWA05501UX were submitted to GEL Laboratories, LLC, as double-blind performance evaluation samples included with the WAG 10 FY 2009 annual sampling event. Performance evaluation samples were prepared by the U.S. Department of Energy (DOE) Radiological and Environmental Sciences Laboratory (RESL) The goal of performance evaluation samples was to assess the laboratory's proficiency in performing routine radioanalytical measurements.

Radioanalytical results were evaluated using the electronic data system at DOE RESL. For a result to be acceptable, the statistical difference between the laboratory result and the known value must be within 3-sigma, and the laboratory result must be within $\pm 30\%$ of the known value. The results met acceptance criteria established by DOE RESL, except for tritium and I-129 (Table B-2). The tritium result for GWA05501R8 is evaluated as not acceptable because the statistical difference of the sample result and the known value was greater than 3-sigma, and the laboratory/reference value ratio was not within the acceptance range. The I-129 result for GWA05501UX is evaluated as not acceptable because the statistical difference of the sample result and the known value was greater than 3-sigma, and the laboratory/reference value ratio was not within the acceptance range (i.e., sample result is low-biased).

An investigation of the unacceptable tritium results and a description of the corrective action taken were requested from the GEL Laboratories. The lab determined that the tritium sample probably was not loaded into the scintillation cocktail, which resulted in the original failing to be within the acceptable range for the performance evaluation sample. Consequently, the original performance evaluation sample was shaken and recounted. The reanalysis result yielded an acceptable result. The corrective action identified was for GEL Laboratories to train liquid-scintillation-counting analysts to ensure that samples are shaken sufficiently before counting is performed to ensure that the sample is loaded into the scintillation cocktail. The corrective action training was completed on October 22, 2009.

GEL Laboratories investigated the unacceptable result for I-129 and found an issue with a detector. The original performance evaluation sample result was biased low. However, a reanalysis of the performance evaluation sample produced a result that was acceptable. The detector used when the low result was obtained was removed from service. The corrective action identified by GEL Laboratories was to train the gamma spectroscopy analysts and associated review staff on pertinent criteria when evaluating a sample. The corrective action training was completed on October 22, 2009.

Table B-2. Performance evaluation sample results for Fiscal Year 2009.

Performance Evaluation Sample Identification	Nuclide	Reference Activity (pCi/L)	Lab Result ^a (pCi/L)	Ratio Lab/Ref ^b	Agreement
GWA05501RH	Sr-90	Blank	$2 \pm 9 \text{ E-02}$	—	Yes
GWA05501RH	Tc-99	$2.4 \pm 0.07 \text{ E+01}$	$2.8 \pm 0.3 \text{ E+01}$	1.16	Yes
GWA05501UX	I-129	$5.03 \pm 0.12 \text{ E0}$	$2.66 \pm 0.15 \text{ E0}$	0.53	No
Reanalysis			$5.08 \pm 0.394 \text{ E0}$	1.01	Yes
GWA05501R8	H-3	$1.17 \pm 0.03 \text{ E+04}$	$7.8 \pm 0.8 \text{ E+03}$	0.67	No
Reanalysis			$1.42 \pm 0.141 \text{ E+04}$	1.21	Yes

a. Experimental result uncertainty reported as 1-sigma.
b. Laboratory result/reference value.

B-2. REFERENCES

DOE-ID, 2007, *Groundwater Monitoring and Field Sampling Plan for Operable Unit 10-08*, DOE/ID-11210, Rev. 2, U.S. Department of Energy Idaho Operations Office, May 2007.