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Savannah River Site

2013 Annual Groundwater Monitoring Report For the F- and H-Area Radioactive Liquid Waste Tank Farms (U)

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and
Savannah River Nuclear Solutions, LLC
Aiken, South Carolina**

Introduction

This report presents the results of groundwater monitoring at the F-Area and H-Area Radioactive Liquid Waste Tank Farms for calendar year 2013. As required by the Industrial Wastewater General Closure Plans for the F-Area Tank Farm (FTF) (LWO-RIP-2009-00009) and H-Area Tank Farm (HTF) (SRR-CWDA-2011-00022), groundwater sampling will be conducted during the interim period from the time individual waste tanks and ancillary equipment are removed from service through post-closure groundwater monitoring defined in final Records of Decision for the FTF and HTF Operable Units. In December 2012, the Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC) approved new Sampling and Analysis Plans (SAPs) for both FTF and HTF. The approved *F-Area Tank Farm Groundwater Sampling and Analysis Plan (SRNS-RP-2012-00287 Rev. 1)* and the *H-Area Tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan (SRNS-RP-2012-00146 Rev. 1)* provide specific details of the groundwater monitoring programs.

In 2013, SRS performed sampling according to the SAPs for the FTF and HTF. SRS collected samples during the first and third calendar year quarters from 13 wells (one well was dry) at the FTF and 46 wells at the HTF. During both sampling events FTF background well FBG001D was dry. Table 1 provides a list of wells sampled for each facility monitoring program.

During 2013, SRS recorded 71.4 inches of precipitation at F and H Areas. The 2013 annual precipitation was significantly more than the 30-year average (47.2 inches per year) and was the greatest amount of annual rainfall recorded at SRS over the past thirty years. Although groundwater levels have risen, water levels remain lower than normal and one out of 58 wells was dry.

Overall, the monitoring results, presented in Attachments A and B, are similar to those from past years. In 2013, no results indicated new releases to groundwater. The water level measurements showed flow paths similar to those from past years.

Setting

The SRS lies in the Atlantic Coastal Plain, a southeast-dipping wedge of unconsolidated and semi-consolidated sediment, which extends from its contact with the Piedmont at the Fall Line to the continental shelf edge. At SRS, coastal plain sediments thicken from approximately 700 ft at the northwest boundary to 1,400 ft at the southeast boundary and form a series of aquifers and confining units. At the FTF and HTF, shallow groundwater occurs within the Floridan Aquifer system and flows toward streams and swamps. Horizontal and vertical movement of the groundwater is controlled by the depth to which local streams cut into the sediments. The valleys of smaller perennial streams such as Fourmile Branch and Crouch Branch allow discharge from the shallow water table aquifer while larger streams like Upper Three Runs receive discharge from deeper

aquifers. Figure 1 shows the location of the tank farms along with topographic and hydrologic features.

The FTF and HTF reside on coastal plain sediments consisting of alternating sequences of sands, silts, and clays. The Upper Three Runs Aquifer (UTRA) is the shallowest aquifer beneath the tank farms. A semi-continuous confining unit called the tan clay divides the UTRA into upper and lower aquifer zones (UAZ and LAZ). The water table occurs in the UAZ at both tank farms. A more continuous aquitard, the Gordon Confining Unit (GCU), underlies the UTRA and confines the Gordon Aquifer Unit (GAU). Figure 2 depicts the regional lithostratigraphic units and their corresponding hydrostratigraphic units.

The tank farms are located between two surface streams, Upper Three Runs and Fourmile Branch. Because a groundwater divide is present beneath both tank farms, shallow groundwater flow mirrors surface topography and is “radially” outward toward both Upper Three Runs and Fourmile Branch. At the divide groundwater tends to migrate downward and slightly away from the divide until the horizontal gradient becomes more dominant and results in water flowing toward the creeks. Figure 3 illustrates groundwater flow at the divide using a conceptual cross section. The divide does not affect groundwater in the deeper GAU, which flows north-west to Upper Three Runs.

Table 1. Wells included in the FTF and HTF groundwater monitoring programs

Facility	Well	Aquifer	Screen Depth	Ground Elevation	UTM North	UTM East
FTF	FBG001C	LAZ	90 - 105	299.39	3682791.7	437085.5
FTF	FBG001D	UAZ	66 - 76	299.32	3682793.5	437083.0
FTF	FTF 19	UAZ	57 - 87	285.3	3682598.5	436869.3
FTF	FTF 20	UAZ	57 - 87	285.3	3682537.4	436849.6
FTF	FTF 22	UAZ	42 - 72	284.6	3682471.5	436895.6
FTF	FTF 23	UAZ	53 - 83	284.2	3682466.8	436961.4
FTF	FTF 28	LAZ	132 - 142	293.92	3682536.2	436731.6
FTF	FTF 29	LAZ	120 - 140	297.79	3682655.3	436637.7
FTF	FTF 9R	UAZ	80 - 90	292.97	3682659.3	436711.9
FTF	FTF 12R	UAZ	84 - 94	289.53	3682606.5	436779.6
FTF	FTF 30	LAZ	100 - 110	293.58	3682464.6	436822.5
FTF	FTF 30D	UAZ	70 - 80	293.42	3682467.1	436820.6
FTF	FTF 31	LAZ	76 - 106	292.97	3682406.3	436961.2
HTF	HAA 1A	GA	186 - 196	290.9	3682656.7	440708.1
HTF	HAA 1C	LAZ	134 - 144	291.4	3682656.2	440714.1
HTF	HAA 1D	UAZ	10 - 30	291.8	3682655.9	440717.3
HTF	HAA 2B	LAZ	154 - 164	291.2	3682611.9	440099.7
HTF	HAA 2C	LAZ	109 - 119	290.9	3682611.6	440096.7
HTF	HAA 2D	UAZ	10 - 30	290.8	3682611.4	440093.8

Table 1. Wells included in the FTF and HTF groundwater monitoring programs

Facility	Well	Aquifer	Screen Depth	Ground Elevation	UTM North	UTM East
HTF	HAA 4B	LAZ	164 - 174	298.9	3683044.3	440027.1
HTF	HAA 4C	LAZ	130 - 140	298.8	3683042.6	440024.6
HTF	HAA 4D	UAZ	23 - 43	298.7	3683040.8	440022.1
HTF	HAA 7B	LAZ	142 - 152	287.32	3682733.1	439842.2
HTF	HAA 7C	LAZ	100 - 110	287.17	3682734.2	439839.3
HTF	HAA 7D	UAZ	15 - 35	287.06	3682735.2	439836.4
HTF	HAA 8B	LAZ	143 - 153	287.14	3682799.8	439720.0
HTF	HAA 8C	LAZ	105 - 115	287.05	3682799.9	439717.0
HTF	HAA 8D	UAZ	15 - 35	287.07	3682796.9	439716.8
HTF	HAA 9B	LAZ	133 - 143	281.36	3682923.1	439714.2
HTF	HAA 9C	LAZ	100 - 110	281.53	3682920.2	439715.1
HTF	HAA 9D	UAZ	14 - 34	281.76	3682926.3	439716.0
HTF	HAA 10B	LAZ	143 - 153	286.79	3682942.5	439843.1
HTF	HAA 10C	LAZ	109 - 119	286.53	3682940.7	439840.7
HTF	HAA 10D	UAZ	13 - 33	286.57	3682938.9	439838.2
HTF	HAA 11B	LAZ	141 - 151	290.37	3682999.9	439865.2
HTF	HAA 11C	LAZ	110 - 120	290.65	3682999.9	439865.2
HTF	HAA 11D	UAZ	16 - 36	290.84	3683002.9	439867.8
HTF	HAA 12B	LAZ	155 - 165	299.23	3683061.0	439948.3
HTF	HAA 12C	LAZ	120 - 130	299.51	3683064.0	439950.9
HTF	HAA 12D	UAZ	35 - 55	299.65	3683067.1	439953.5
HTF	HAA 13B	LAZ	160 - 170	303.51	3683109.8	440015.9
HTF	HAA 13C	LAZ	127 - 137	303.59	3683112.9	440018.5
HTF	HAA 13D	UAZ	25 - 45	303.59	3683115.9	440023.7
HTF	HAA 14B	LAZ	160 - 170	305.04	3683158.6	440115.8
HTF	HAA 14C	LAZ	134 - 144	305.07	3683160.4	440118.3
HTF	HAA 14D	UAZ	32 - 52	305.22	3683162.1	440120.7
HTF	HAA 15B	LAZ	169 - 179	308.33	3683231.8	440214.8
HTF	HAA 15C	LAZ	137 - 147	308.28	3683227.7	440217.9
HTF	HAA 15D	UAZ	32 - 52	308.16	3683224.3	440220.2
HTF	HAA 17C	LAZ	147 - 157	302.63	3683124.6	440445.1
HTF	HAA 17D	UAZ	52 - 72	302.52	3683122.8	440446.3
HTF	HAA 18C	LAZ	135 - 145	291.56	3683156.7	440520.3
HTF	HAA 18D	UAZ	41 - 61	291.37	3683158.7	440524.1
HTF	HAA 19C	LAZ	133 - 143	287.81	3683141.4	440596.6
HTF	HAA 19D	UAZ	26 - 41	287.58	3683143.0	440598.7
HTF	HAA 20C	LAZ	125 - 135	290.31	3682649.9	440033.6
HTF	HAA 20D	UAZ	44 - 64	290.16	3682651.0	440029.2
HTF	HAA 21C	LAZ	105 - 115	288.9	3682697.0	439941.5
HTF	HAA 21D	UAZ	34 - 54	288.88	3682698.1	439938.5

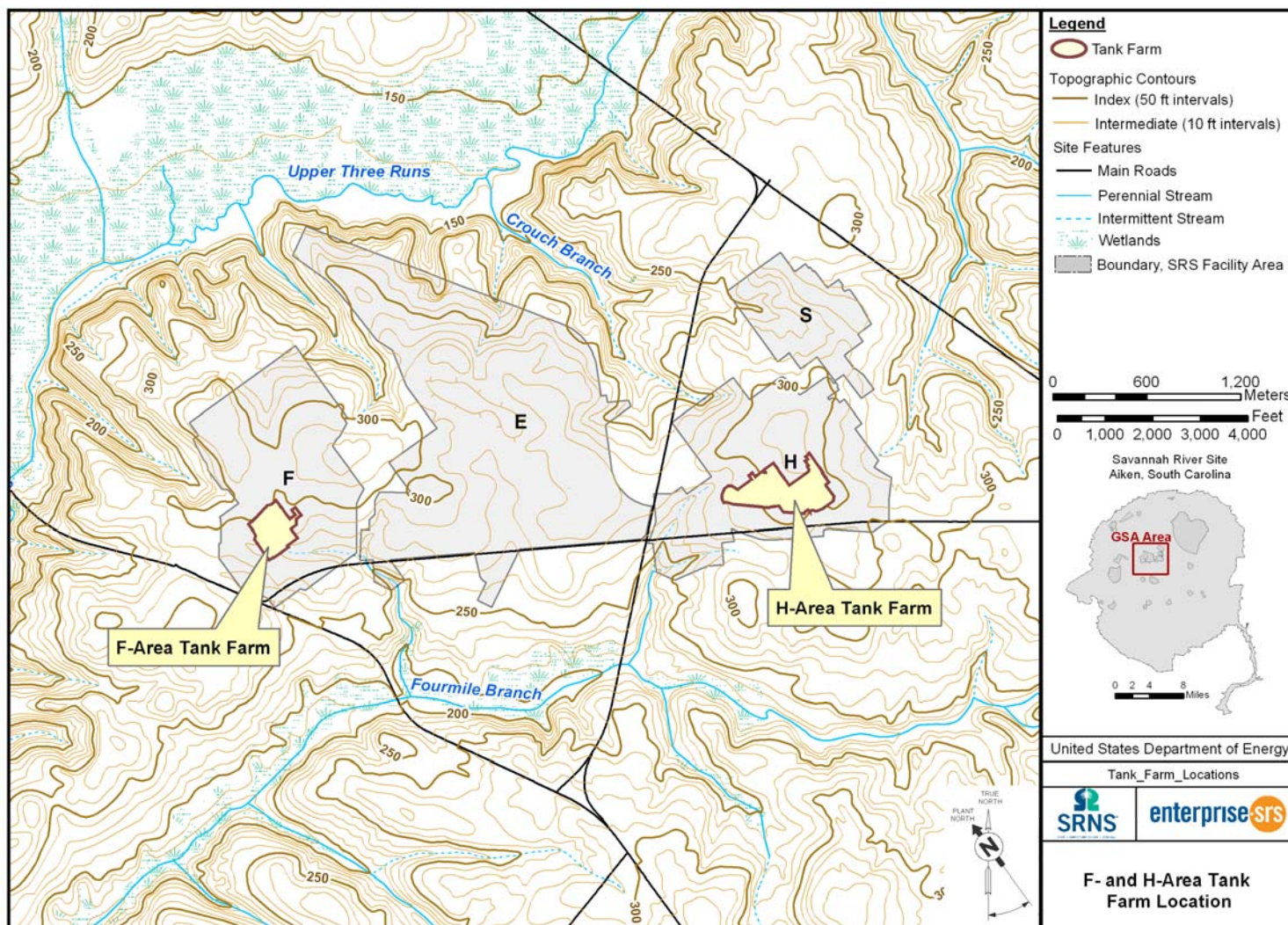


Figure 1. Locations of the F Area and H Area Tank Farms

Epochs		Lithostratigraphy (modified from Fallaw and Price 1995)		Hydrostratigraphy (modified from Aadland et al.)								
				Northern SRS		Central-Southern SRS		SRS				
Miocene		Altamaha		Steed Pond Aquifer	M-Area Aquifer Zone	Upper Three Runs Aquifer	Upper Zone		Floridan Aquifer System			
Tertiary	Eocene	Tobacco Road Formation					Tan Clay Confining Zone					
		Dry Branch Formation	Irwinton Sand Mbr Twiggs Clay Mbr Griffith's Landing Mbr				Lower Zone					
			Santee Formation									
	Paleocene	Warley Hill Formation					Green Clay Confining Zone			Gordon Confining Unit		
		Congaree Formation					Lost Lake Aquifer Zone			Gordon Aquifer Unit		
		Fourmile Branch Formation					Crouch Branch Confining Unit				Meyers Branch Confining System	
		Snapp Formation										
Cretaceous	Lang Syne Formation		Crouch Branch Aquifer				Dublin-Midville Aquifer System					
	Sawdust Landing Formation											
	Steel Creek Formation		McQueen Branch Confining Unit									
	Black Creek Formation											
	Middendorf Formation		McQueen Branch Aquifer									
	Cape Fear Formation		Undifferentiated									
		Paleozoic Crystalline Basement Rock or Triassic Newark Supergroup		Piedmont Hydrogeologic Province				Southeastern Coastal Plain Hydrogeologic Province				

Figure 2. Hydrostratigraphic units at the F Area and H Area Tank Farms

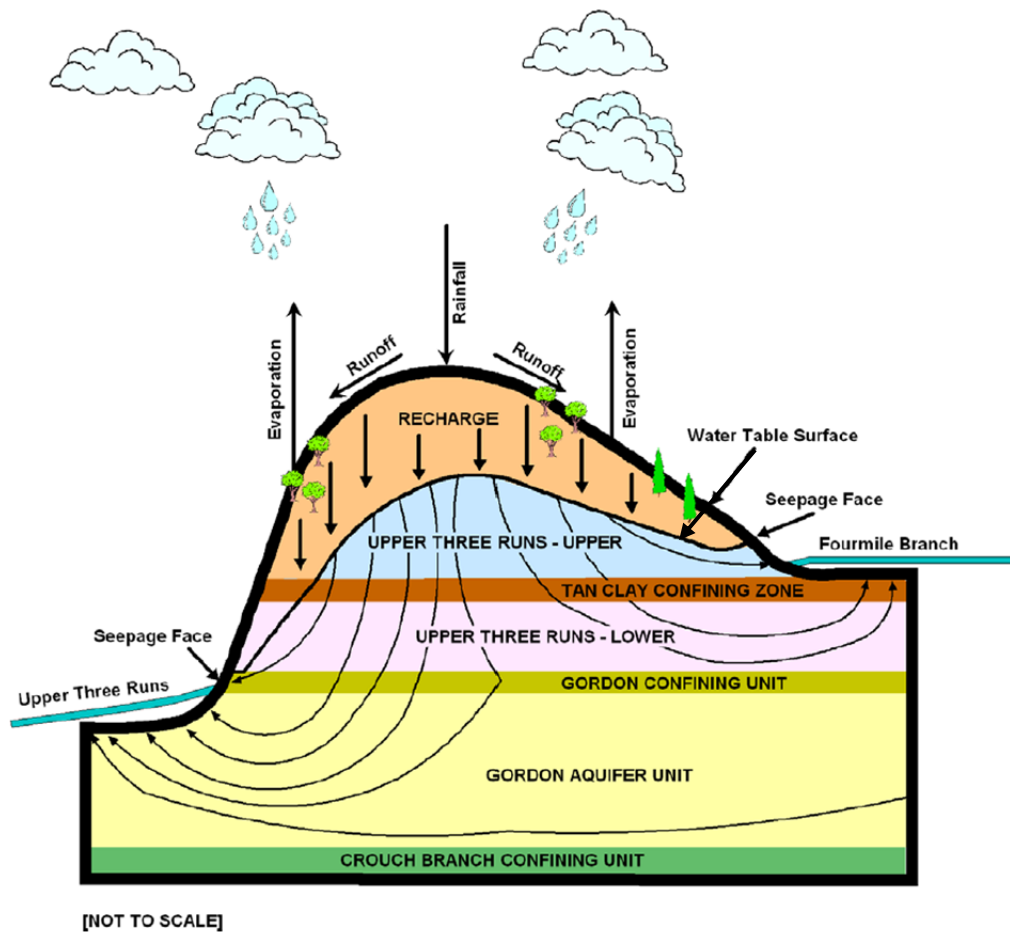


Figure 3. Surface and groundwater flow at the General Separations Area

Groundwater Monitoring at F-Area Tank Farm

The groundwater monitoring plan for the FTF includes sampling twice per year at a network of thirteen monitoring wells consisting of six existing wells and seven newer wells installed in 2012. The well network is located around the down-gradient perimeter of the tank farm and includes wells screened in the UAZ (7) and LAZ (4) and two background wells (UAZ and LAZ). The completed network of thirteen wells provides coverage to detect any releases that may occur at the FTF. Figure 4 shows the monitoring locations. Figure 5 illustrates the groundwater flow directions and regional water levels.

In 2013, SRS sampled all thirteen wells in March and September (2Q and 3Q). All of the wells were sampled as scheduled except for well FBG001D, the background well in the UAZ. The water table is thin in the area of FBG001D and even though the well screen is located at the bottom of the aquifer, not enough water was present to collect for sampling after repeated attempts. In fact, at the time of installation, water was added to the well to facilitate the development process. Figures 6 and 7 provide the 2013 water level maps for the aquifer units.

As required by the SAP, samples were analyzed for gross alpha, nonvolatile beta, tritium, nitrate-nitrite, cadmium, chromium, manganese, and sodium. In addition, technetium-99 was analyzed to provide information on existing technetium-99 activities. The constituents for monitoring were selected based on the most prominent chemical and radiological species present in the FTF during operations, waste removal, and tank closure activities as well as constituents known to be present from previous groundwater sampling. As provided in the SAP, SRS will perform contingent analyses for specific radionuclides if screening results for gross alpha and nonvolatile beta exceed trigger levels of 15 pCi/L and 50 pCi/L respectively. In 2013, only FTF 28 exceeded a screening trigger level (nonvolatile beta) and contingency analyses were performed. The results of the contingency analyses are discussed in more detail below.

Attachments A and C contain the laboratory results and field measurements for FTF monitoring wells from sampling in 2013 including field duplicates, split samples, and laboratory duplicate samples. All data were verified and validated while at least 10% of the data received supplemental validation to meet the more stringent definitive level data criteria. Table 2 provides a summary of the monitoring results.

Overall, the monitoring results are similar to those from previous years. Laboratory results indicated low concentrations of nitrate-nitrite, gross alpha, nonvolatile beta, and tritium in most wells, consistent with past results. In addition, manganese and sodium, which are naturally occurring in aquifer sediments at SRS, were also detected in nearly every well. Results for specific constituents are discussed in more detail below.

Nitrate-nitrite was detected in every well at the FTF. Consistent with past results, concentrations of nitrate-nitrite in groundwater at the FTF are very low and less than the maximum contaminant level (MCL) (10 mg/L) for nitrate in all samples. The maximum

concentration (6.6 mg/L), which is below the MCL, was measured in the LAZ background well FBG001C.

Tritium was also detectable in most wells at the FTF, but was below the drinking water standard in every well but one. Tritium was detected greater than the MCL (20 pCi/mL) with a maximum result of 81.3 pCi/mL in UAZ well FTF 30D. This is the only result in 2013 for FTF 30D because the well was dry during the March 2013 sampling event. This result may be suspect in that it is an order of magnitude higher than three previous results in 2012 (2.5, 8.4, 8.5 pCi/mL). In addition, tritium was measured at very low concentrations in the aquifer up gradient of FTF 30 D during both 2013 sampling events. The maximum tritium concentration at nearby wells FTF 20 and FTF 22 was 2.48 pCi/mL. SRS will continue to monitor FTF 30D and verify this elevated tritium result as a potentially anomalous value. The maximum tritium result (29.4 pCi/mL) last year occurred in well FTF 12R. This year concentrations at FTF 12R have dropped below the MCL to 7.46 pCi/mL.

Laboratory results indicated gross alpha in approximately half of the 34 samples, but only four samples had levels measurable above the laboratory quantitation limit. The maximum gross alpha concentration (9.6 pCi/L) was detected at well FTF 20. The maximum did not exceed the MCL of 15 pCi/L, thus contingency analyses for specific radionuclides were not required. Gross alpha concentrations were consistent with results from 2012.

All results for chromium were qualified “u” or “j” meaning the constituent was either not detected or tentatively identified but the result was below the laboratory quantitation limit and thus cannot be accurately quantified. Approximately half of the cadmium results were non-detect and only one result was above the laboratory quantitation limit. Similar to 2012, the only positive cadmium result occurred at background well FBG001C. The maximum cadmium result was 0.94 ug/L and did not exceed the MCL (5 ug/L). Concentrations of cadmium and chromium were consistent with results from 2012.

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. Manganese exceeded the drinking water regional screening level (RSL) (320 ug/L) at three wells (FTF 9R, FTF 30, and FBG001C) with a maximum concentration of 2,060 ug/L at FTF 9R. However, the background concentration (435 ug/L) was also elevated compared to most of the FTF monitoring wells. Manganese levels at the remaining wells were below 100 ug/L. Sodium levels were the highest at wells FTF 30D and FTF 20. Background concentrations were also higher than half of the other monitoring wells at approximately 6,090 ug/L. The maximum sodium concentration was 33,300 ug/L (FTF 30D). There is no MCL or RSL for sodium.

The elevated manganese results occur in new wells installed during 2012. Manganese concentrations in all of the older existing wells, both near the waste tanks and down gradient of the tanks, were less than 100 ug/L. In addition to elevated concentrations occurring at new wells, in most cases the maximum concentration occurs shortly after the well was installed. Recent sampling more than a year after installation has produced decreasing concentrations of manganese in most wells. For example, the maximum

concentration measured in June of 2012 was 1,990 ug/L at well FTF 30. Samples collected from FTF 30 in September (2012), and March and September (2013) produced results of 935, 335, and 163 ug/L respectively. Similar decreases were observed at wells FBG 001C, FTF 12R, and FTF 30D. SRS concludes the downward trend in concentration is due to improved well development over time caused by purging during sample collection. The time trend graph in Figure 8 illustrates the decreasing concentrations observed since well installation and shows that manganese concentrations in many of the new wells have decreased to natural levels.

The only exception to the decreasing trend is well FTF 009R. In this well, manganese concentrations have increased from 1,090 ug/L to 2,060 ug/L. Unlike the other new wells, FTF 009R is located immediately adjacent to the F Area Inactive Process Sewer Line (FIPSL), which formerly transported low-level radioactive wastewater from the separation facilities to disposal basins, located south of the FTF. The FIPSL is a vitrified clay pipeline, is known to have leaked, and is a known source of contamination at F Area. Past releases from the FIPSL may have caused manganese to be more readily available for leaching to groundwater. SRS has reached the conclusion that groundwater quality at FTF 009R has been either directly or indirectly impacted by the FIPSL. SRS will continue to monitor and evaluate manganese trends at the FTF.

Nonvolatile beta was detected above the laboratory quantitation limit in 15 of 34 samples. However, only six of the 15 positive results exceeded the screening level of 50 pCi/L and all six results were from well FTF 28. Nonvolatile beta has historically been elevated in FTF 28 and this has been documented in previous groundwater reports. In 2013, three rounds of samples were collected at FTF 28 for nonvolatile beta. Levels ranged from 292 pCi/L to the maximum of 954 pCi/L. As shown in Figure 9 concentrations were similar to 2012 levels.

The 2013 monitoring continues to indicate the existence of a nonvolatile beta plume in the lower aquifer zone down gradient of the tank farm. The plume extends from FTF 28 to the southwest through well FSL 11C (a well monitored as part of the larger General Separations Area Western Groundwater Operable Unit). As reported in previous years, leaks from the FIPSL, a vitrified clay pipe known to be a source of beta contamination in the groundwater, are the likely source of the plume. The FIPSL transported low-level radioactive wastewater from the separations facilities to the F-Area Seepage Basins where the water was disposed. Acidic wastewater containing beta-emitting isotopes including technetium-99, leaked in the area near FTF 28. Due to the acidic nature of the wastewater, it is expected that groundwater near the release would also be acidic. Groundwater in the LAZ beneath the FTF is nearly neutral with an average pH of 6.3. As shown in Figure 10, the hydrogen ion content at FTF 28 is significantly elevated compared to the other wells in the same aquifer and thus the pH is much lower (pH 4.8) indicating that FTF 28 has likely been impacted by the FIPSL. Figure 11 illustrates the approximate extent of the nonvolatile beta plume.

Contingency analyses were performed for FTF 28 samples because the nonvolatile beta levels exceeded the 50 pCi/L screening level. The additional analyses included actinium-228, cesium-137, cobalt-60, iodine-129, lead-214, potassium-40, strontium-90, and

technetium-99. The only constituents detected were iodine-129 (1.91 JpCi/L), radium-226 (1.51 pCi/L), radium-228 (0.629 pCi/L), and technetium-99 (1,300 pCi/L). Radium was below the MCL of 5 pCi/L. The iodine-129 result of 1.91 pCi/L was collected in February and was qualified as an estimated measurement because it was less than the laboratory sample quantitation limit (4.06 pCi/L). Subsequent sample results collected in March, August, and September of 2013 were all non-detect, below the MCL for iodine-129 (1 pCi/L), and did not exceed 0.279 pCi/L. Technetium-99 has been previously detected in well FTF 28. The 2010 sampling event detected technetium-99 at 924 pCi/L. In 2013, the measured concentration of technetium-99 ranged from 1,260 to 1,300 pCi/L and was nearly the same as levels measured in 2012. All four of the FTF 28 samples for technetium-99 exceeded the MCL of 900 pCi/L. Concentration trends for technetium-99 and nonvolatile beta in well FTF 28 are provided in Figure 9.

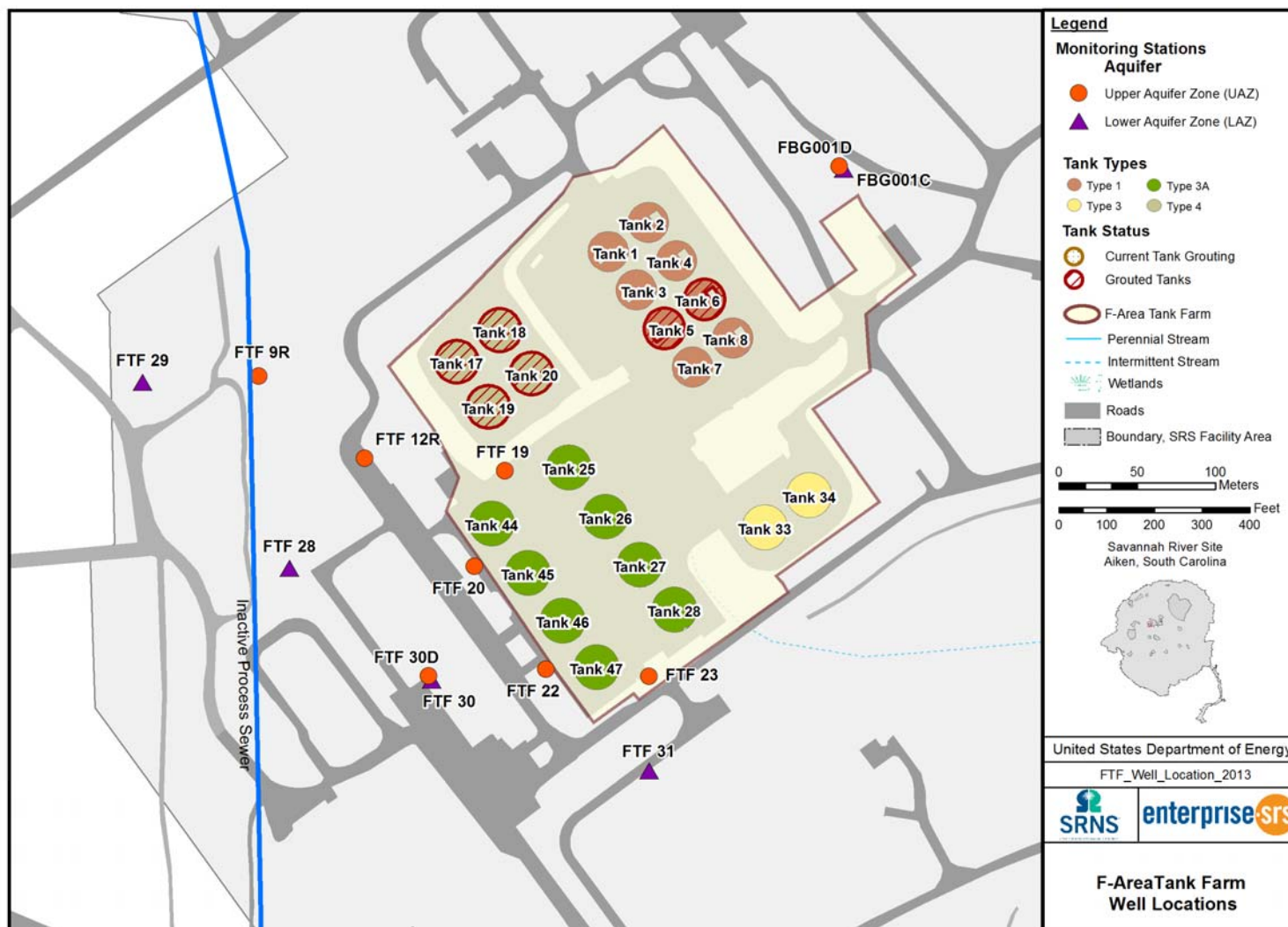


Figure 4. Location of wells for the FTF groundwater monitoring network

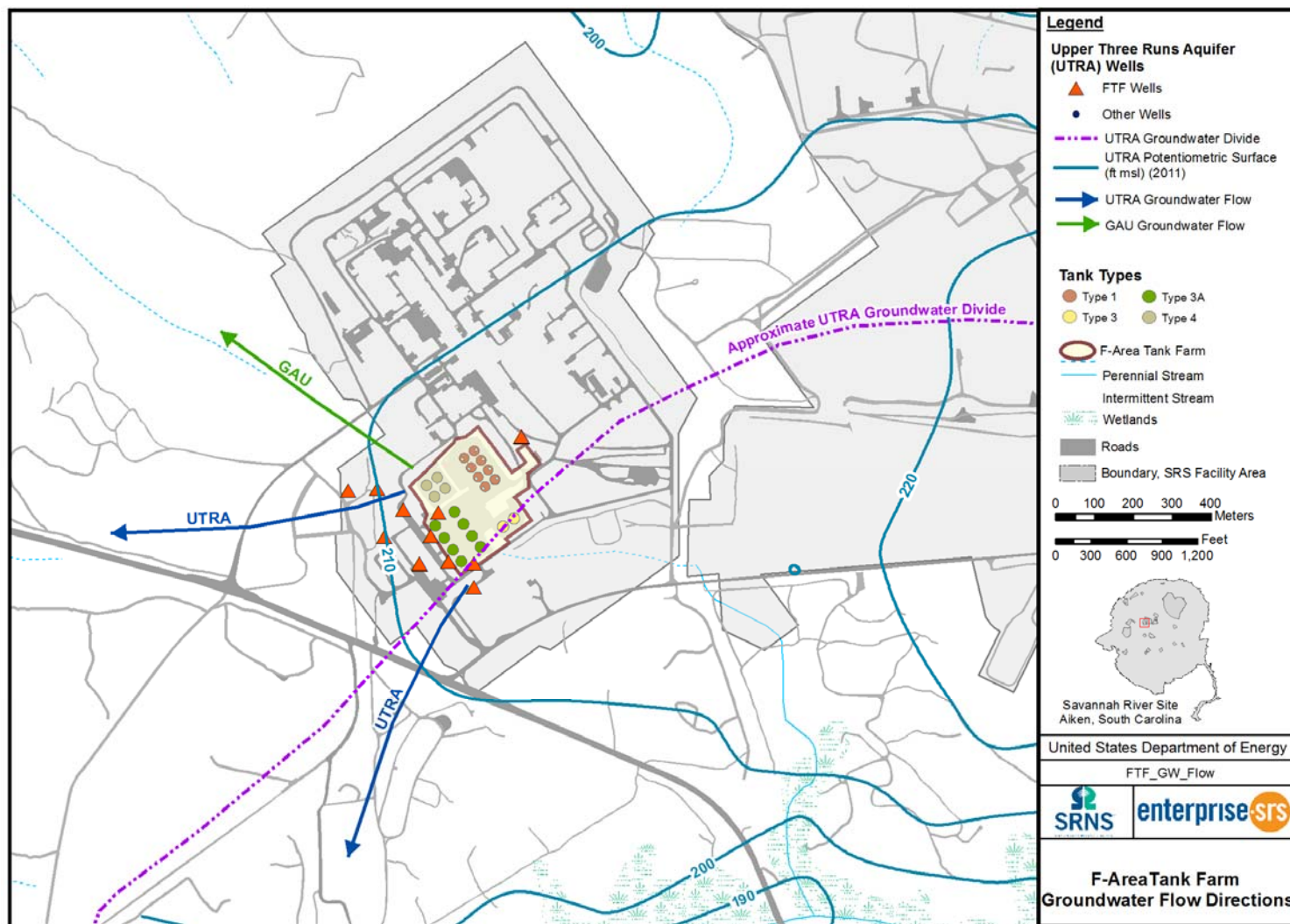


Figure 5. Potentiometric surface and groundwater flow directions at the FTF

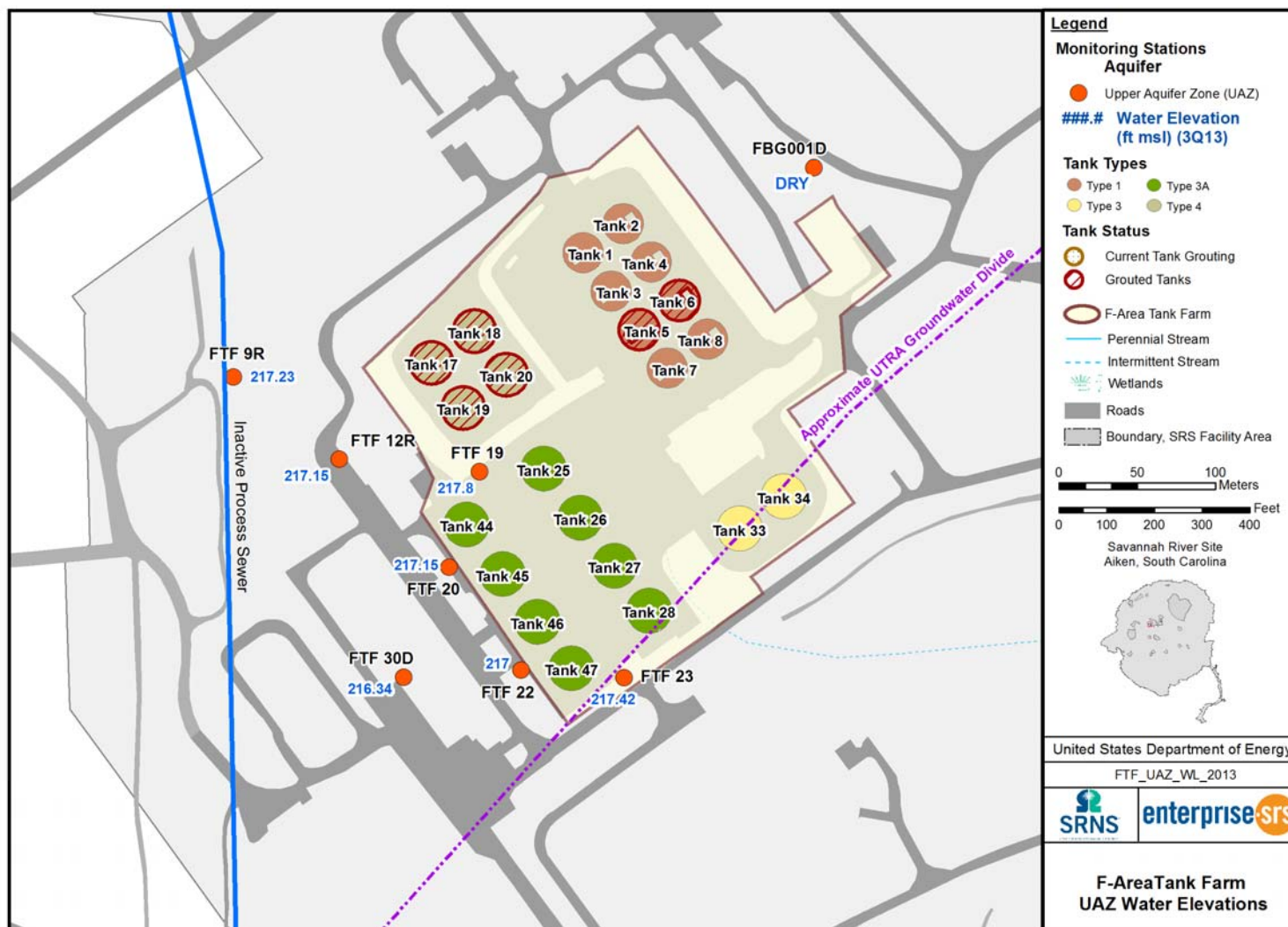


Figure 6. Water elevation (ft msl) for the UAZ of the UTRA during the third quarter of 2013

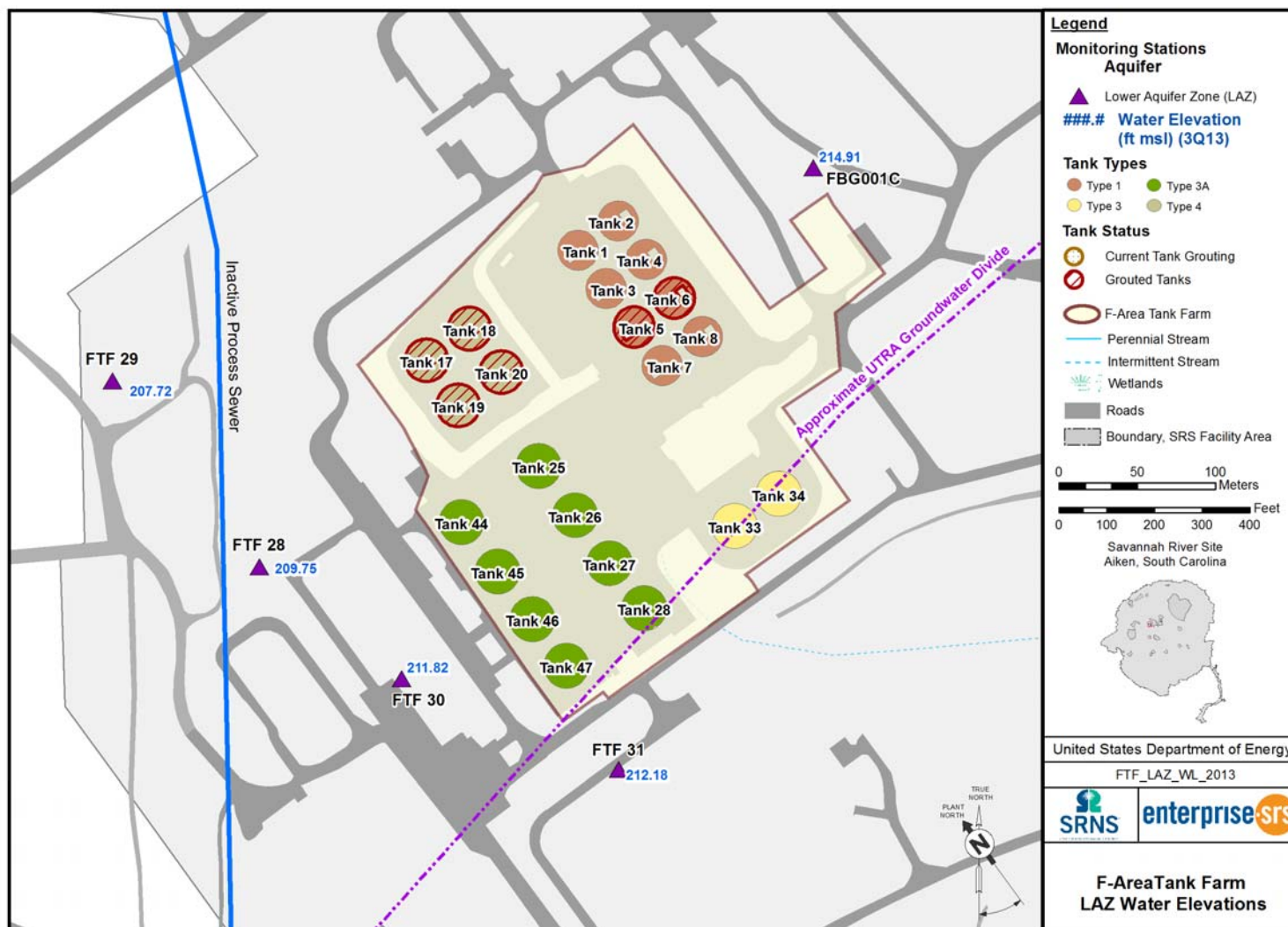


Figure 7. Water elevation (ft msl) for the LAZ of the UTRA during the third quarter of 2013

Table 2. Summary of 2013 monitoring results for the F Area Tank Farm

Analyte	Number of Samples ^a	Number of Non-Detects	Number of Results > EQL ^b	Result Average	Result Maximum	MCL/ RSL	Number of Results > MCL ^c
Nitrate/Nitrite	33	0	33	2.89 mg/L	6.6 mg/L	10 mg/L	0
Cadmium	28	19	1	0.85 ug/L	0.94 ug/L	5 ug/L	0
Chromium	28	22	0	NA	NA	100 ug/L	0
Manganese	28	2	25	219.4 ug/L	2,060 ug/L	320 ug/L	5
Sodium	28	0	28	7,447 ug/L	33,300 ug/L	NA	NA
Gross Alpha	34	19	4	2.56 pCi/L	9.6 pCi/L	15 pCi/L	0
Nonvolatile Beta	34	8	15	131.9 pCi/L	954 pCi/L	50 pCi/L	6 ^d
Tritium	29	0	28	5.57 pCi/mL	81.3 pCi/mL	20 pCi/mL	1
Technetium-99	21	11	6	246.9 pCi/L	1,300 pCi/L	900 pCi/L	4 ^d

a. Includes regular, duplicate, and split samples

b. EQL = Estimated Quantitation Limit

c. MCL = Maximum Concentration Limit or Regional Screening Level for drinking water

d. Exceeds MCL at only 1 well (FTF 28)

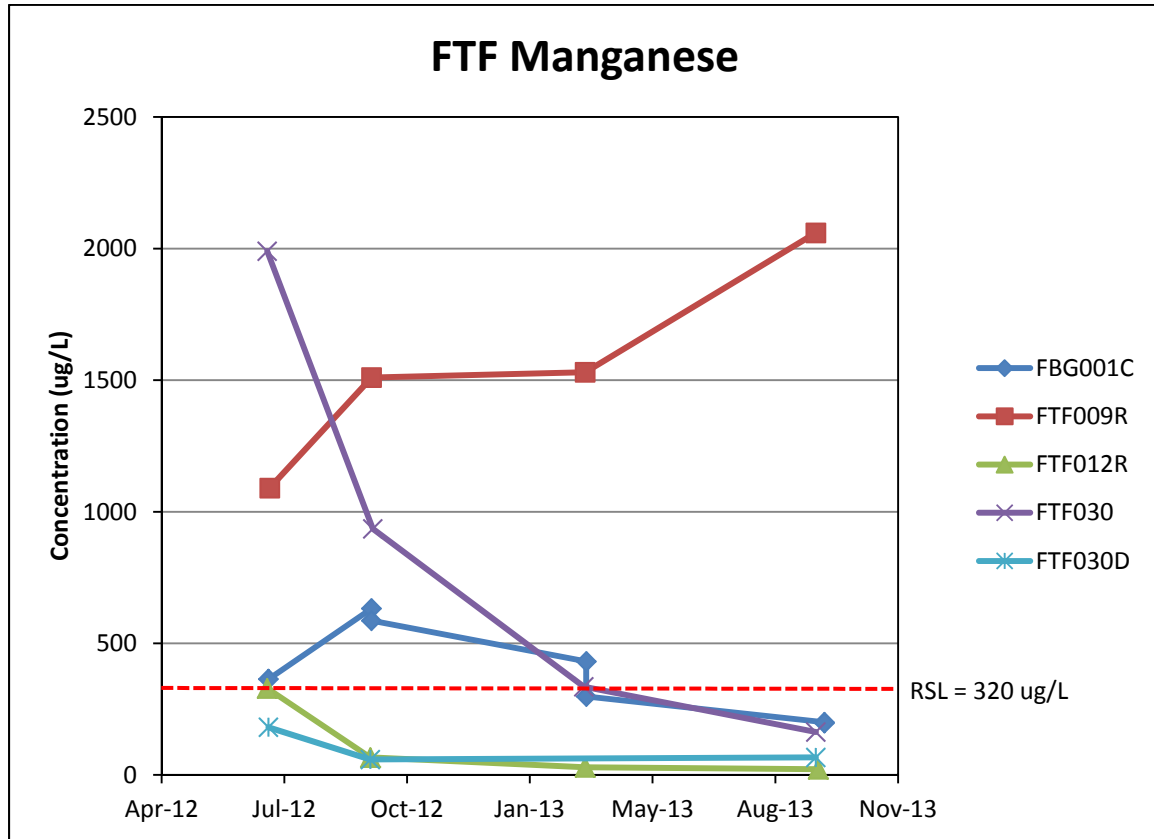


Figure 8. Manganese concentrations at F Tank Farm

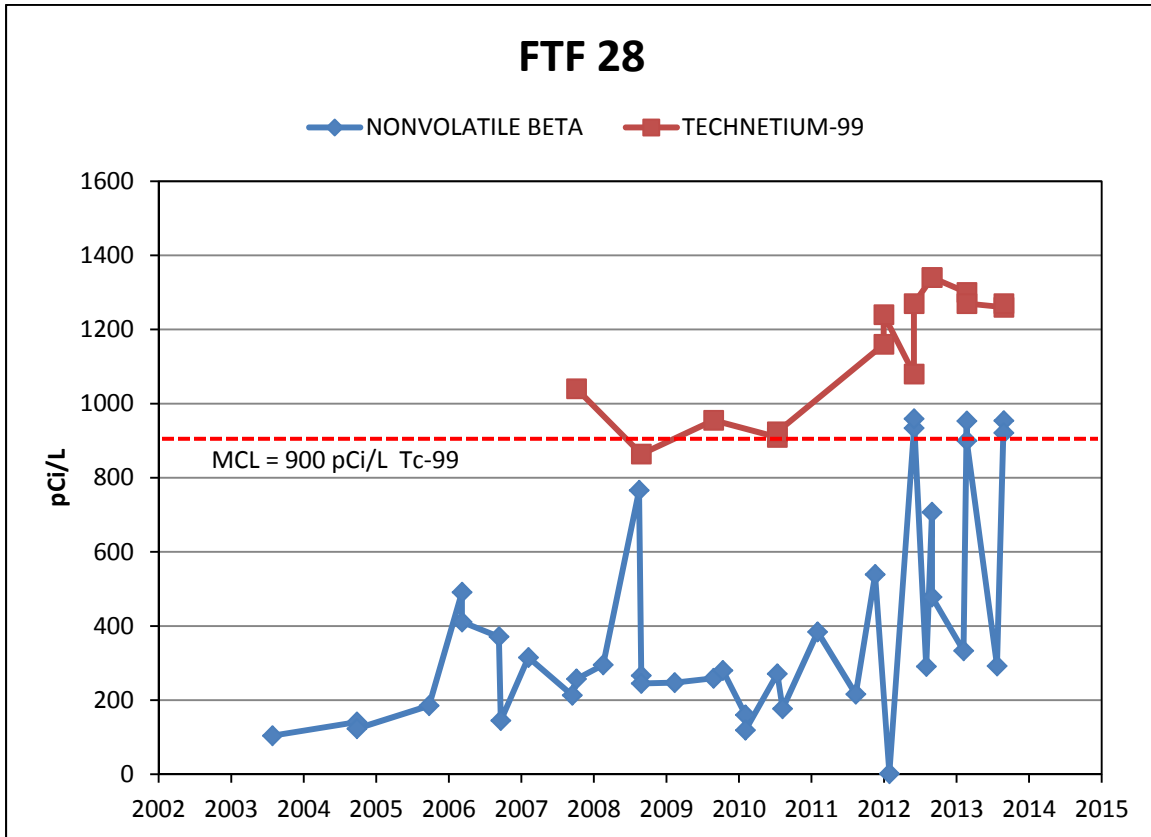


Figure 9. Nonvolatile beta and Technetium-99 concentrations for FTF 28

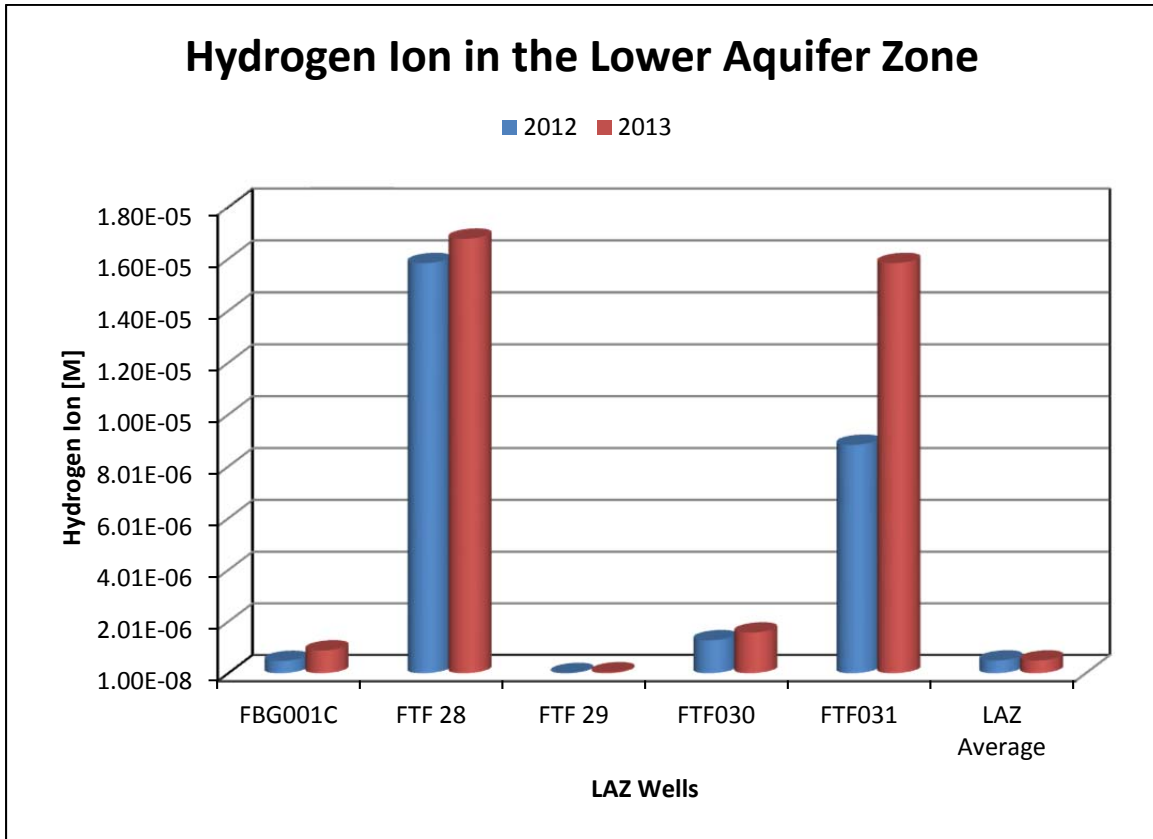


Figure 10. Hydrogen ion in the LAZ at FTF

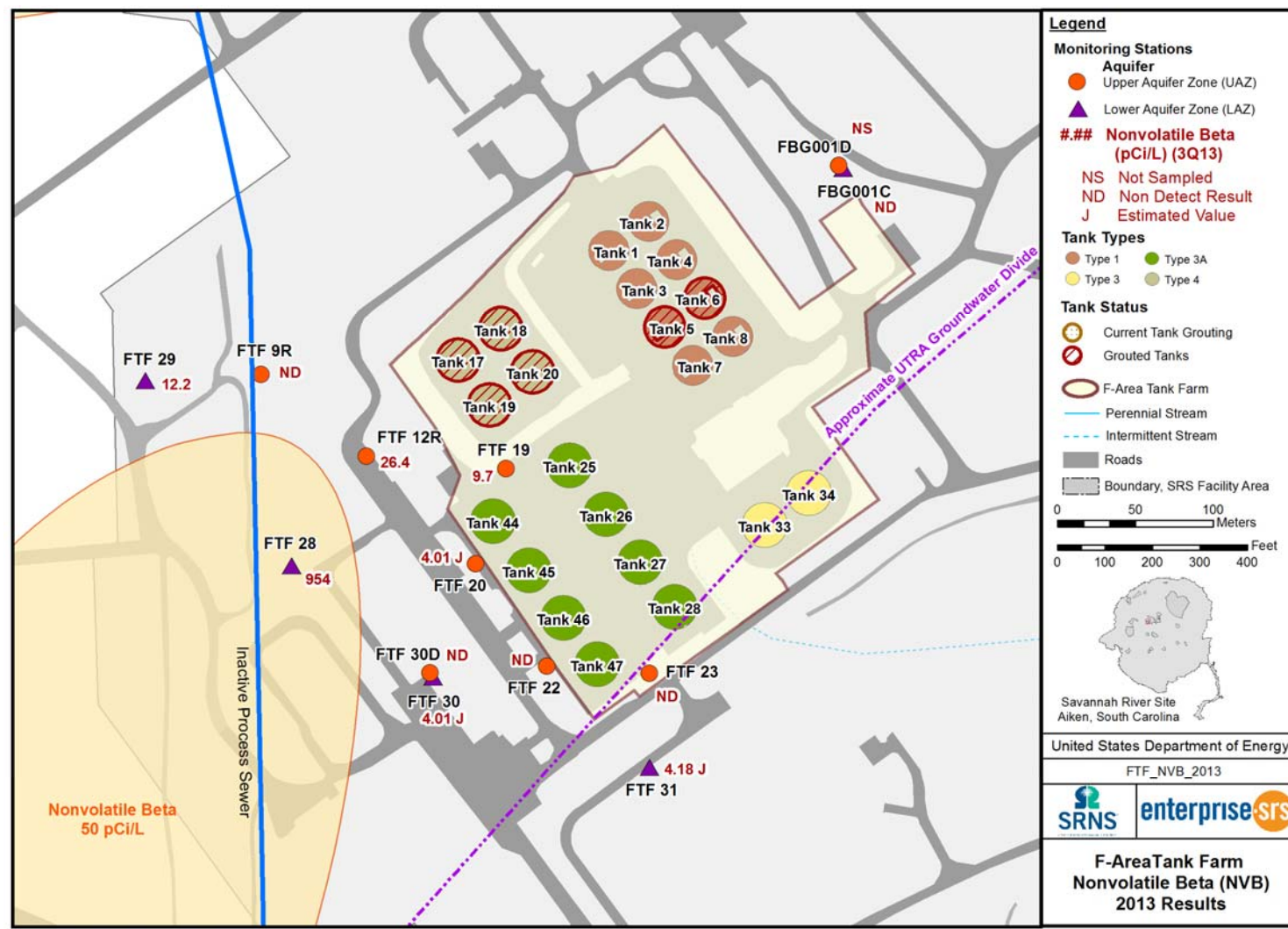


Figure 11. Nonvolatile beta results (pCi/L) for the FTF in 2013

Groundwater Monitoring at H-Area Tank Farm

The groundwater monitoring plan for the HTF includes sampling twice per year at a network of 46 monitoring wells consisting of 36 existing wells and 10 newer wells (HAA 17 through HAA 21) installed in 2012. The well network is located around the down-gradient perimeter of the tank farm facility and consists of wells screened in the UAZ (17), LAZ (28), and GA (1) including three background wells. The wells are set in three aquifer zones. The “A” wells are set in the GA. The “B” and “C” wells are set in the LAZ and the “D” wells are in the UAZ of the UTRA. Figure 12 provides the monitoring locations. Figures 13, 14, and 15 illustrate groundwater flow directions and 2013 water levels for the UAZ, LAZ, and GA.

In 2013, all wells were scheduled for sampling in the first and third calendar quarters. As required by the SAP, samples were analyzed for gross alpha, nonvolatile beta, technetium-99, tritium, nitrate-nitrite, cadmium, chromium, manganese, and sodium. The constituents for monitoring were selected based on the most prominent chemical and radiological species present in the HTF during operations, waste removal, and tank closure activities as well as constituents known to be present from previous groundwater sampling. As provided in the SAP, if screening results for gross alpha and nonvolatile beta exceed trigger levels of 15 pCi/L and 50 pCi/L respectively, then contingent analyses for specific radionuclides would be performed. In 2013, well HAA 4D exceeded the screening level for gross alpha. Contingency analyses are discussed below.

Attachments B and C contain the laboratory results and field measurements for HTF monitoring wells from sampling in 2013 including field duplicates, split samples, and laboratory duplicate samples. All data were verified and validated while at least 10% of the data received supplemental validation to meet the more stringent definitive level data criteria. Table 3 provides a summary of the monitoring results.

Overall, the 2013 sample results were similar to those from previous years. Analytical results indicated low concentrations of nitrate-nitrite and tritium in most wells, but the concentrations were generally low and consistent with past results. In addition, results also indicated manganese and sodium, which are naturally occurring in aquifer sediments at SRS, in many wells. Results for specific constituents are discussed in more detail below.

Nitrate-nitrite was detected in every well at the HTF except for LAZ background well HAA 1C. Consistent with past results, concentrations of nitrate-nitrite in groundwater at the HTF are low and less than the MCL (10 mg/L) for nitrate in all samples. More than 50-percent of the results were less than 1 mg/L. The maximum concentration (8.5 mg/L) was measured in UAZ well HAA 4D. The average concentration of all samples for nitrate-nitrite that were greater than the laboratory quantitation limit was 1.03 mg/L.

Tritium was also detectable in many wells at the HTF but was below the MCL in every well but one. Only one well (HAA 12C) measured tritium greater than the MCL (20

pCi/mL) and the maximum result was 79 pCi/mL. As reported in the HTF SAP, tritium has been detected beneath the HTF up to 355 pCi/mL (HTF 12, 1986), but has recently been below the MCL for several years. Well cluster HAA 12 is down-gradient of the HTF and has a history of elevated tritium. The source of the tritium at HAA 12 is likely from the Off-Site Fuels Receiving Basin facility, the numerous process sewer lines in the area, and/or the nearby H Area Inactive Process Sewer Line (HIPSL) that transported low-level radioactive wastewater from the separations facilities to the H-Area Seepage Basins. Figure 16 shows the history of tritium in both HAA 12 wells. In 2013, concentrations were steady in HAA 12C and trended downward in HAA 12D. Figure 17 shows the maximum tritium concentrations in 2013 for the UTRA.

Gross alpha was detected in 34 of the 112 samples collected, but only two samples had levels measurable above the laboratory quantitation limit. The maximum gross alpha concentration (15.9 pCi/L) was detected at well HAA 4D and exceeded the MCL of 15 pCi/L, thus contingency analyses for specific radionuclides were required. All isotopes (americium-241, plutonium-238,-239/240, and uranium-238) were non-detect (i.e. less than 0.2 pCi/L) suggesting that the very low levels of gross alpha at well HAA 4D are not derived from the tank farm.

Out of 115 samples, all results for cadmium and all but two results for chromium were qualified “u” or “j” meaning the constituent was either not detected or was tentatively identified, but below the laboratory quantification limit and thus cannot be accurately quantified. Approximately 75% of the cadmium and 50% of the chromium samples were non-detect. The only two positive detections for chromium were well below the MCL of 100 ug/L and occurred at wells HAA 14C and HAA 20D (maximum result of 15.6 ug/L). In 2013, no results exceeded the MCL for cadmium or chromium.

In the 2011 groundwater report, a single result for chromium at HAA 7D was reported to be elevated with respect to historical results and was suspected to be a laboratory error. A review of historical data showed that HAA 7D has had chromium levels below the laboratory quantitation limit (maximum estimated result was 2.5 ug/L) since monitoring began, thus the 2011 result of 487 ug/L appeared anomalous. In addition, no data quality review (verification or validation) was performed on the 2011 sample result. In 2012, confirmation sampling for chromium at HAA 7D was performed. All three of the sample results (including a laboratory duplicate sample) were verified and validated to the definitive level. All 2012 results were non-detect (below the laboratory method detection limit) for chromium and this suggested that the 2011 result was anomalous. Monitoring for chromium in 2013 further supports this conclusion with the current concentration estimated to be 12.8 ug/L. Figure 18 presents the chromium concentration trend for HAA 7D. SRS will continue to monitor for chromium at HAA 7D according to the HTF SAP.

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. Manganese was positively quantified in 50 of 115 samples with a maximum concentration of 1,280 ug/L (new UAZ well HAA 17C). The average concentration was 83.5 ug/L. Manganese exceeded the RSL (320 ug/L) at five wells (HAA 10D, HAA 17C, HAA 18C/D, and HAA 19D). In 2013, manganese levels were lower than historical results at the HTF that ranged up to 3,300 ug/L (HTF 7, 1994). Sodium was measured in

every sample with the maximum result (20,600 ug/L) occurring at LAZ well HAA 4B. The average concentration of sodium was nearly the same as in 2012 at 4,520 ug/L. In 2013, the range of sodium results was consistent with previous monitoring data (2011/2012 ranged from 792 ug/L to 23,200 ug/L). There is no MCL or RSL for sodium. The current results for both manganese and sodium do not appear to be elevated with respect to historical levels at the HTF.

Nonvolatile beta was detected above the laboratory quantitation limit in only 8 of 112 samples. The maximum result was 24.6 pCi/L at UAZ well HAA 4D. The average concentration was 1.4 pCi/L. In 2013, no results exceeded the screening level (50 pCi/L) for nonvolatile beta and thus contingency samples for specific isotopes were not required.

Technetium-99 was detected above the laboratory quantitation limit in only 3 of 113 samples collected. No results exceeded the MCL (900 pCi/L). The maximum concentration was 11.5 pCi/L. Historically technetium-99 has not been identified as a prevalent contaminant in groundwater at the HTF and the 2013 results are consistent with this conclusion.

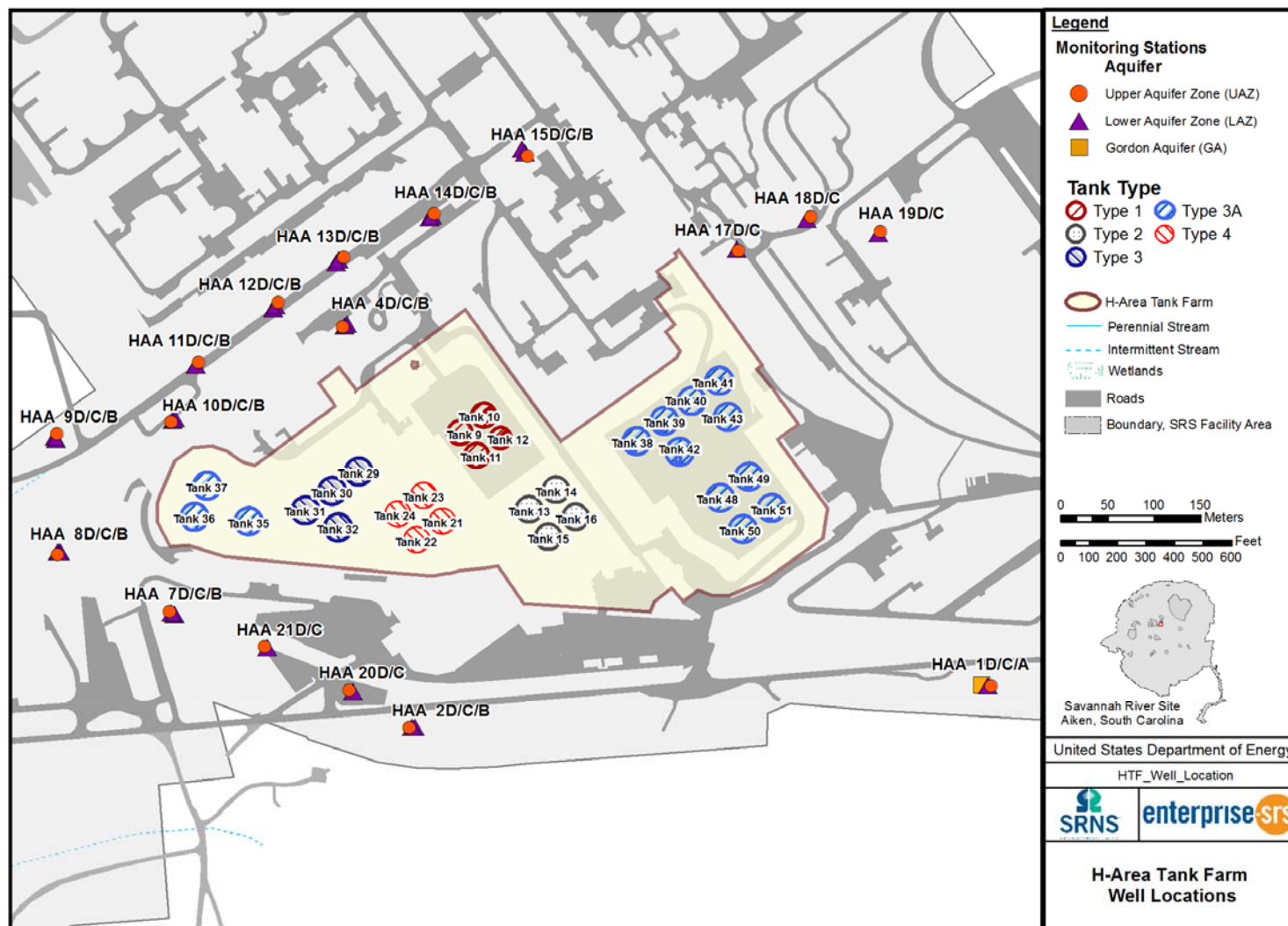


Figure 12. Monitoring wells at the HTF

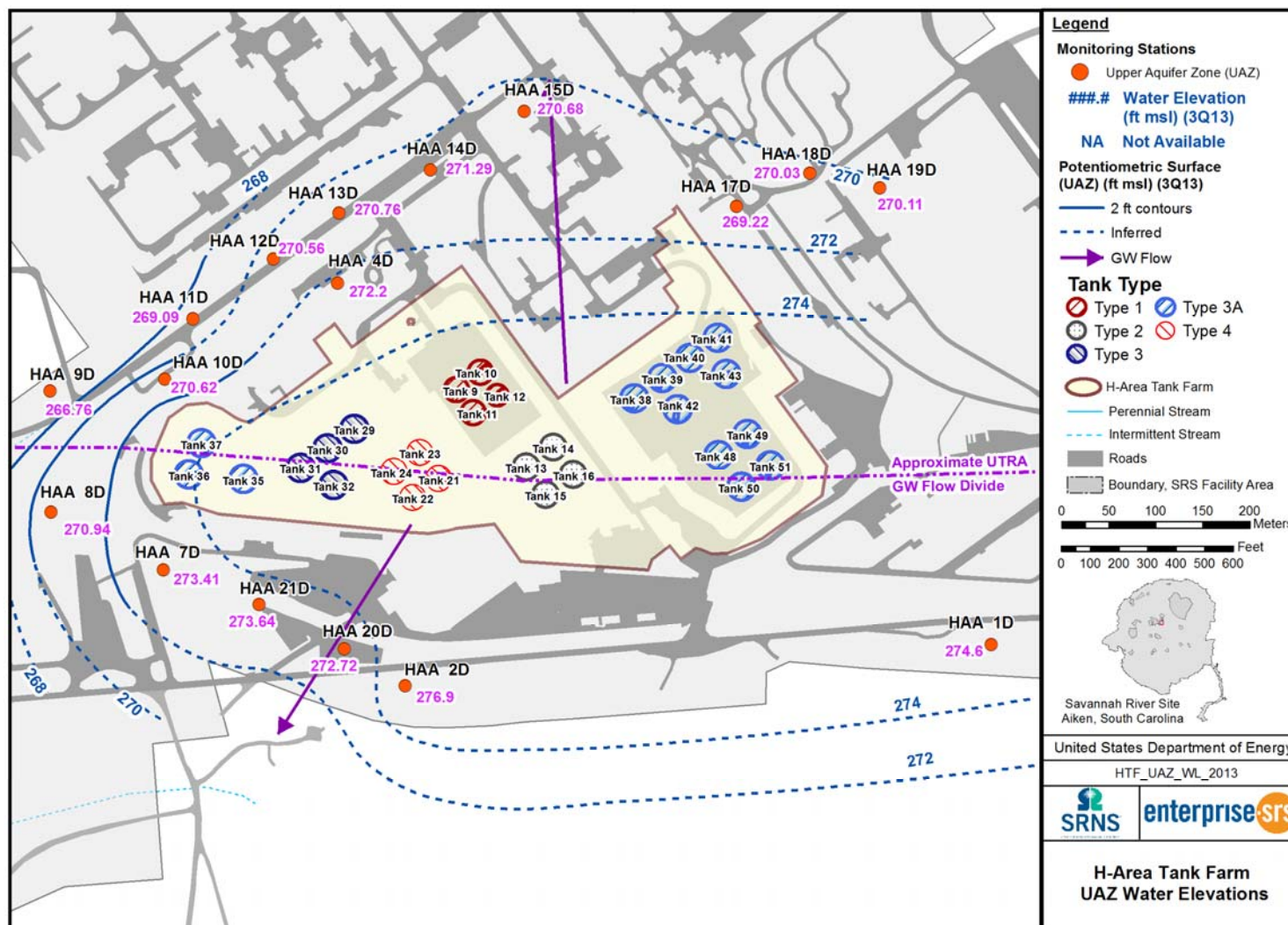


Figure 13. Water elevation (ft msl) for the UAZ of the UTRA during the third quarter of 2013

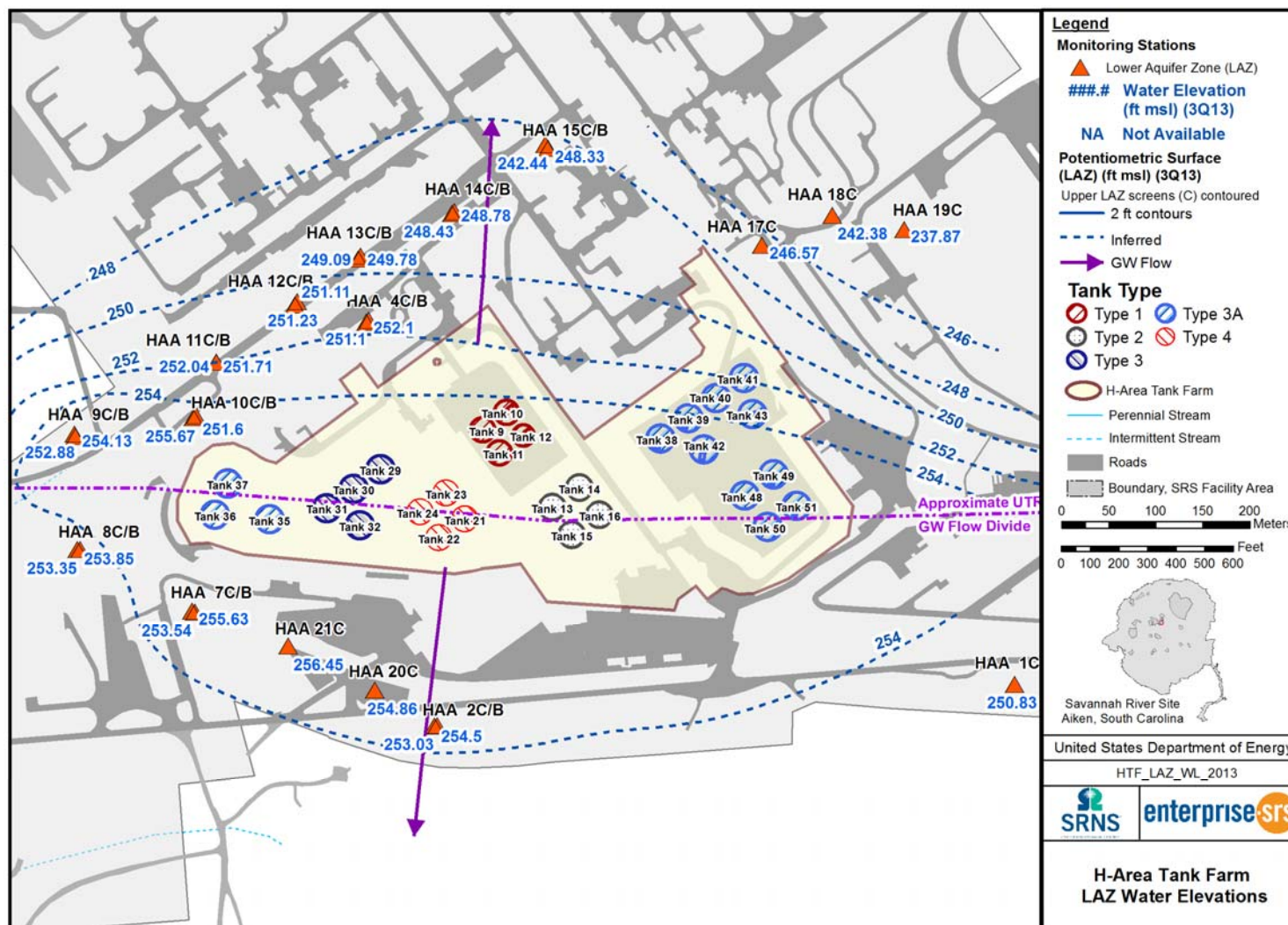


Figure 14. Water elevation (ft msl) for the LAZ of the UTRA during the third quarter of 2013

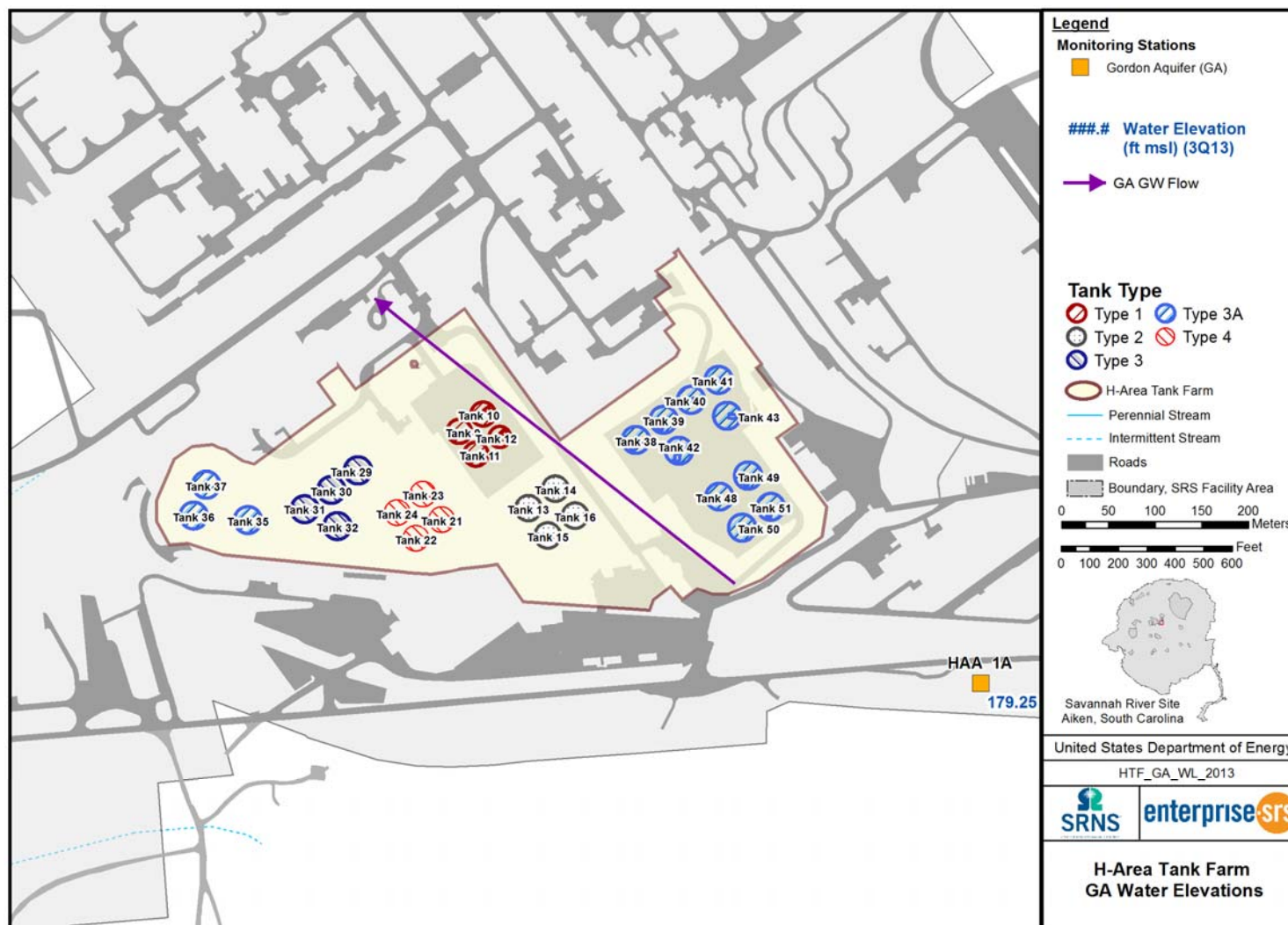


Figure 15. Water elevation (ft msl) for the GA during the third quarter of 2013

Table 3. Summary of 2013 monitoring results for the H Area Tank Farm

Analyte	Number of Samples ^a	Number of Non-Detects	Number of Results > EQL ^b	Result Average	Result Maximum	MCL/ RSL	Number of Results > MCL ^c
Nitrate/Nitrite	110	2	105	1.03 mg/L	8.5 mg/L	10 mg/L	0
Cadmium	115	88	0	NA	NA	5 ug/L	0
Chromium	115	61	2	10.6	15.6	100 ug/L	0
Manganese	115	22	50	83.5 ug/L	1280 ug/L	320 ug/L	12 ^d
Sodium	115	0	115	4,520 ug/L	20,600 ug/L	NA	NA
Gross Alpha	112	78	2	1.1 pCi/L	15.9 pCi/L	15 pCi/L	1
Nonvolatile Beta	112	84	8	1.4 pCi/L	24.6 pCi/L	50 pCi/L	0
Tritium	110	40	46	4.0 pCi/mL	79 pCi/mL	20 pCi/mL	2 ^e
Technetium-99	113	104	3	8.9 pCi/L	11.5 pCi/L	900 pCi/L	0

a. Includes regular, duplicate, and split samples

b. EQL = Laboratory Estimated Quantitation Limit

c. MCL = Maximum Concentration Limit or Regional Screening Level for drinking water

d. Exceeds RSL (320 ug/L) at 5 wells

e. Exceeds MCL at only 1 well (HAA 12C)

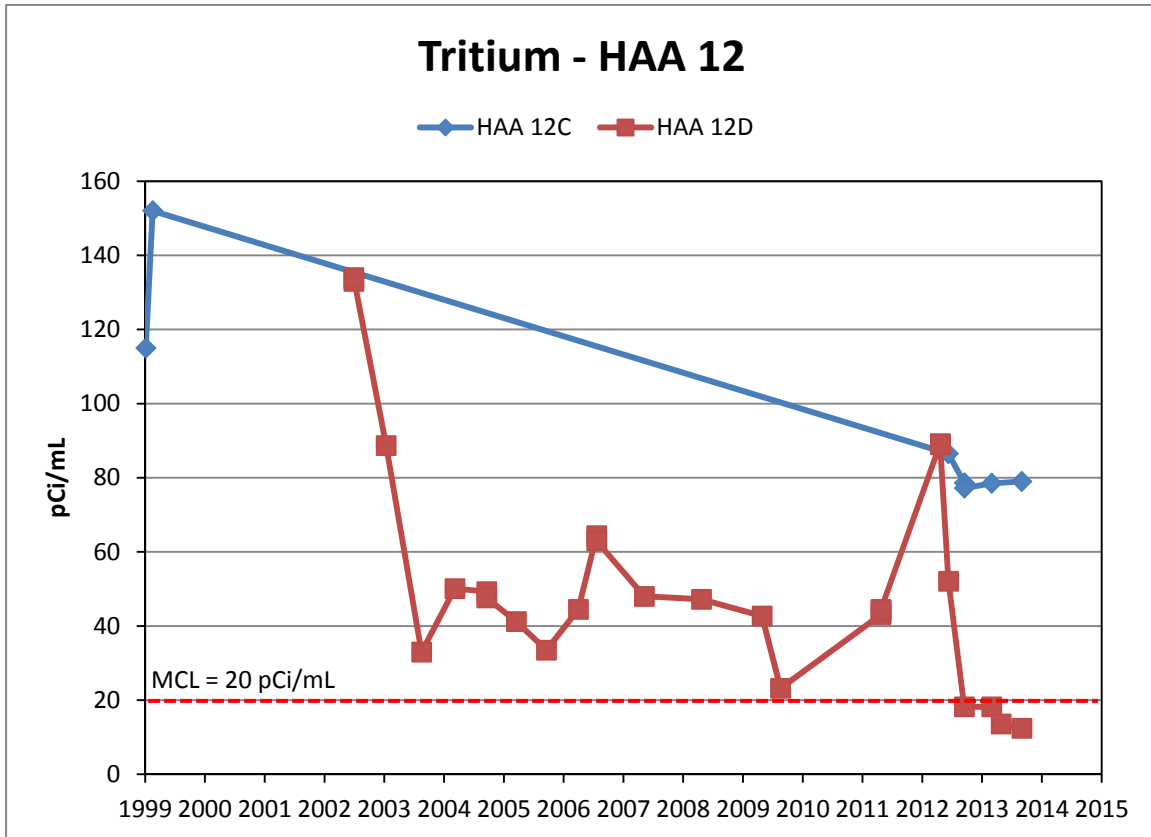


Figure 16. Tritium results (pCi/mL) for HAA 12 wells

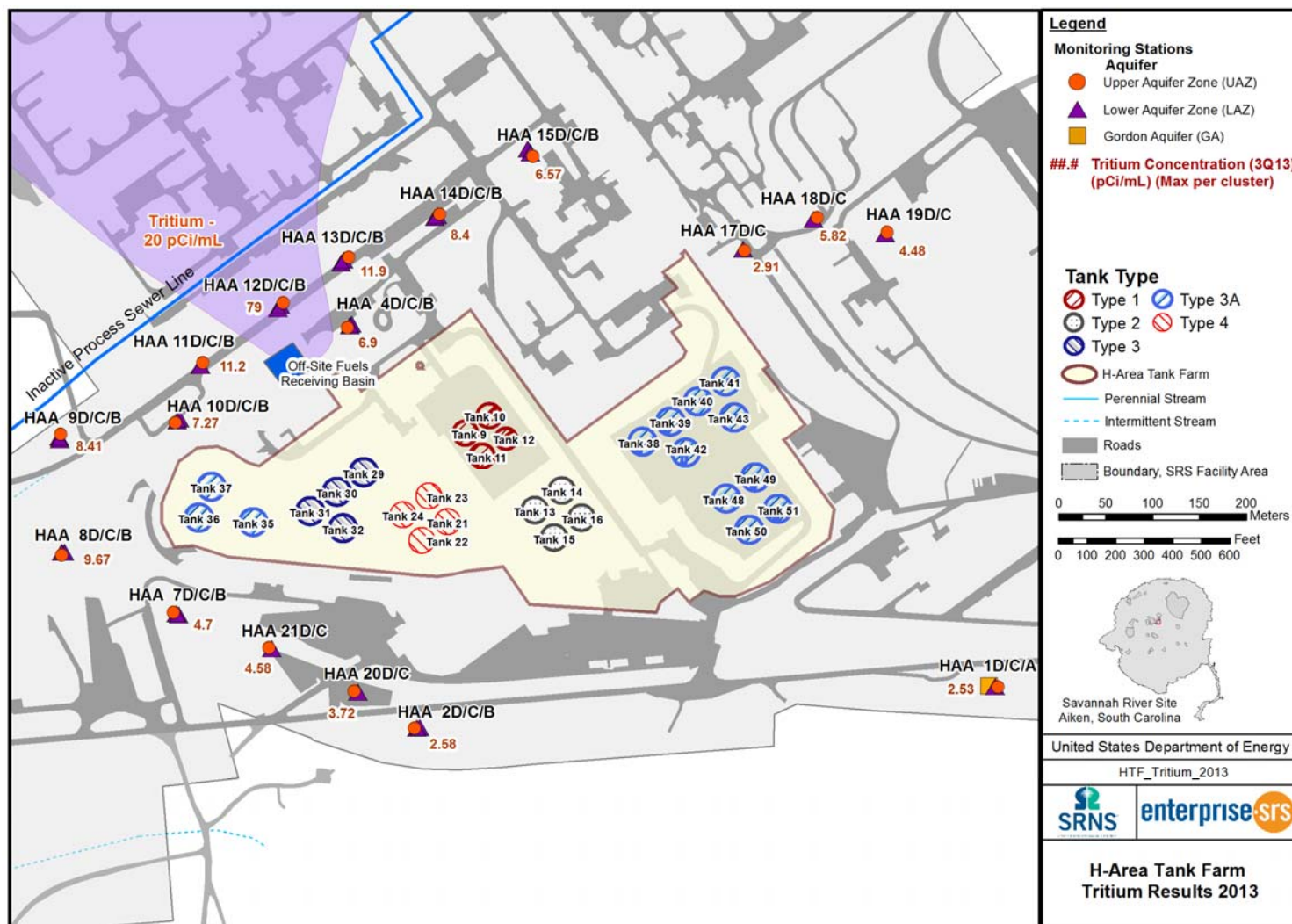


Figure 17. 2013 tritium results (pCi/mL) for the UTRA at the HTF

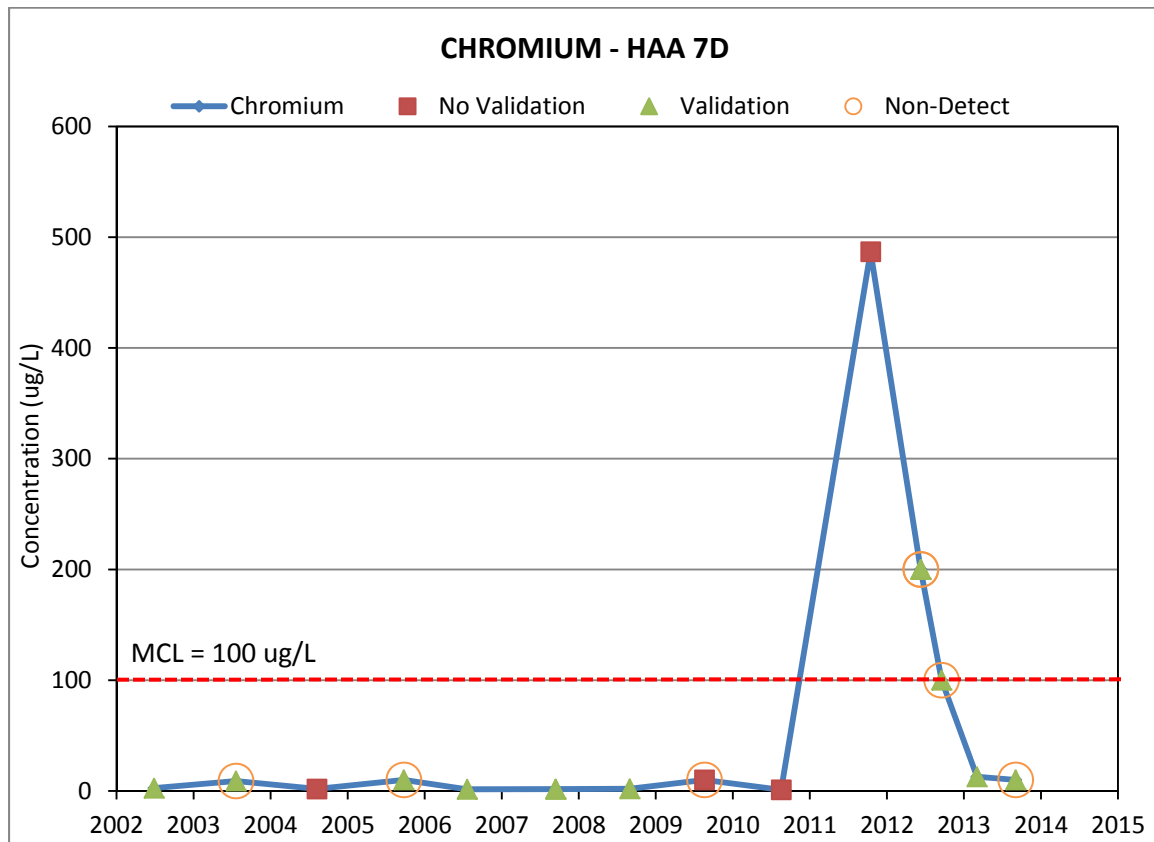


Figure 18. Chromium results (ug/L) for well HAA 7D

Note: Unqualified results that did not undergo post-laboratory verification/validation are shown as red squares.

Conclusions

In 2012, EPA and SCDHEC approved new groundwater monitoring plans and corresponding sampling and analysis plans for the FTF and HTF. SRS performed monitoring in 2013 according to the approved plans and collected at least two rounds of samples from 59 wells (13 wells at FTF and 46 wells at HTF). In 2013, UAZ background well FBG001D was dry during both sampling events. Overall, in 2013 the monitoring results show no indications of new releases.

At the FTF, nonvolatile beta continues to be elevated in the lower aquifer zone near the FIPSL. Nonvolatile beta exceeded the screening level of 50 pCi/L in only one well, FTF 28. At FTF 28, nonvolatile beta was similar to levels measured in 2012. The results were also variable as levels ranged from 292 pCi/L to a maximum of 954 pCi/L. Historically, nonvolatile beta has fluctuated from sample to sample at this well. Isotopic analyses performed on samples from FTF 28 identified technetium-99 as the primary source of nonvolatile beta. The maximum concentration of technetium-99 (1,300 pCi/L) exceeded the MCL of 900 pCi/L. The source of nonvolatile beta and technetium-99 at FTF 28 is

likely the FIPSL. SRS will continue to monitor for nonvolatile beta and technetium-99 at well FTF 28.

Tritium was detected at 81.3 pCi/mL and exceeded the MCL at well FTF 30D. All previous results at this well and results from nearby up gradient wells are an order of magnitude lower, suggesting that 81.3 pCi/mL may be anomalous. SRS will continue to monitor FTF 30D and verify the elevated tritium result as a potentially anomalous value.

In addition to radionuclides, during 2013, manganese exceeded the RSL at three of the newer wells at the FTF including the background well. However, only one well (FTF 9R) exceeded the RSL during the most recent sampling in the second half of 2013 with a detected result of 2,060 ug/L. Manganese occurs naturally in the aquifer sediments at SRS and near FTF 9R is more soluble due to acidic groundwater resulting from the FIPSL. SRS will continue to monitor for and evaluate manganese trends at the FTF.

At the HTF, manganese exceeded the RSL at five wells and tritium exceeded the MCL at one well. Manganese is naturally occurring in the aquifer sediments at SRS and current levels (1,280 ug/L maximum) are significantly lower than historical maximums at the HTF. Tritium has been identified as the prevalent groundwater contaminant at the HTF based on historical monitoring. A small dilute tritium plume located north of the HTF has been observed for several years. The plume is located near and down gradient of the Off-Site Fuels Receiving Basin facility and the H-Area Inactive Process Sewer Line, potential sources of historical tritium releases. At well HAA 12C, tritium exceeded the MCL in the LAZ. Tritium concentrations have been stable over the past 12 months at nearly 80 pCi/mL. SRS will continue to monitor for manganese and tritium at the HTF.

Attachment A
2013 Sample Results for F Area Tank Farm

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FTF 28	9/16/2013	ACTINIUM-228	8.19	pCi/L	U	U	24	53.4
FTF 28	9/16/2013	ACTINIUM-228	-1.95	pCi/L	U	U	20.2	43.2
FTF 28	9/16/2013	ACTINIUM-228	-3.48	pCi/L	U	U	19.8	43.4
FTF 28	9/16/2013	BISMUTH-214	17.7	pCi/L	R	R	6.7	23.1
FTF 28	9/16/2013	BISMUTH-214	15.5	pCi/L	R	R	14.8	36.4
FTF 28	9/16/2013	BISMUTH-214	5.65	pCi/L	U	U	13.8	27.6
FBG001C	3/13/2013	CADMIUM	25	ug/L	U	U	5	25
FBG001C	3/13/2013	CADMIUM	1.17	ug/L	J	J	1	5
FTF 19	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 19	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF 20	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 22	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 22	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF 23	9/19/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 23	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF 28	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 28	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 28	3/13/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF 28	3/13/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF 29	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF 29	3/13/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF009R	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF009R	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF012R	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
FTF012R	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
FTF031	9/19/2013	CADMIUM	1	ug/L	U	U	0.11	1
FBG001C	9/23/2013	CADMIUM	0.94	ug/L			0.1	0.5
FBG001C	9/23/2013	CADMIUM	0.929	ug/L	J	J	0.11	1
FBG001C	3/13/2013	CADMIUM	0.822	ug/L	J	J	0.1	1
FTF030	9/16/2013	CADMIUM	0.315	ug/L	J	J	0.11	1
FTF030D	9/16/2013	CADMIUM	0.312	ug/L	J	J	0.11	1
FTF030	3/11/2013	CADMIUM	0.233	ug/L	J	J	0.1	1
FTF 20	3/11/2013	CADMIUM	0.152	ug/L	J	J	0.1	1
FTF031	3/13/2013	CADMIUM	0.111	ug/L	J	J	0.1	1
FTF 28	9/16/2013	CARBON-14	-0.709	pCi/L	UJ	UJ	9.35	20.2
FTF 28	9/16/2013	CARBON-14	-3.74	pCi/L	UJ	UJ	9.11	19.5
FTF 28	9/16/2013	CARBON-14	-4.82	pCi/L	UJ	UJ	9.37	20
FTF 28	3/13/2013	CESIUM-137	3	pCi/L	U	U	12	25.6
FTF 28	3/13/2013	CESIUM-137	1.6	pCi/L	U	U	10	21.4
FTF 28	9/16/2013	CESIUM-137	0.663	pCi/L	U	U	5.51	11.6
FTF 28	3/13/2013	CESIUM-137	-0.3	pCi/L	U	U	9.6	19.8
FTF 28	9/16/2013	CESIUM-137	-0.364	pCi/L	U	U	5.21	11
FTF 28	9/16/2013	CESIUM-137	-1.11	pCi/L	U	U	4.53	9.69
FTF 19	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF 20	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF 22	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF 23	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF009R	3/12/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF030	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
FTF 28	3/13/2013	CHROMIUM	26.7	ug/L	J	J	10	100
FBG001C	3/13/2013	CHROMIUM	25	ug/L	U	U	5	25
FTF 28	3/13/2013	CHROMIUM	12.5	ug/L	J	J	10	100
FBG001C	3/13/2013	CHROMIUM	11.4	ug/L	J	J	10	100
FTF031	3/13/2013	CHROMIUM	10.7	ug/L	J	J	10	100
FTF012R	3/12/2013	CHROMIUM	10.6	ug/L	J	J	10	100
FTF 29	3/13/2013	CHROMIUM	10.5	ug/L	J	J	10	100

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FBG001C	9/23/2013	CHROMIUM	10	ug/L	U	U	2	10
FBG001C	9/23/2013	CHROMIUM	10	ug/L	U	U	3.3	10
FTF 19	9/18/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF 20	9/18/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF 22	9/18/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF 28	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF 28	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF 29	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF009R	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF012R	9/18/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF030	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF030D	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
FTF031	9/19/2013	CHROMIUM	10	ug/L	U	U	2	10
FBG001C	3/13/2013	CHROMIUM	5	ug/L	U	U	1	5
FTF 23	9/19/2013	CHROMIUM	2.49	ug/L	J	J	2	10
FTF 28	9/16/2013	COBALT-60	1.08	pCi/L	U	U	6.62	13.1
FTF 28	9/16/2013	COBALT-60	0.191	pCi/L	U	U	5.14	10.2
FTF 28	3/13/2013	COBALT-60	-0.8	pCi/L	U	U	15	31
FTF 28	9/16/2013	COBALT-60	-1.67	pCi/L	U	U	4.48	9.74
FTF 28	3/13/2013	COBALT-60	-2	pCi/L	U	U	23	49
FTF 28	3/13/2013	COBALT-60	-4	pCi/L	U	U	20	340
FTF 20	3/11/2013	GROSS ALPHA	9.6	pCi/L			1	4.2
FTF 20	9/18/2013	GROSS ALPHA	7.99	pCi/L	J	J	2.9	8.9
FTF031	9/19/2013	GROSS ALPHA	7.35	pCi/L	J	J	2.57	7.47
FTF 23	9/19/2013	GROSS ALPHA	6.33	pCi/L	J	J	2.56	7.16
FTF 20	9/18/2013	GROSS ALPHA	5.3	pCi/L	J	J	2.44	7.36
FTF 23	3/11/2013	GROSS ALPHA	5	pCi/L			0.9	3.1
FTF 22	9/18/2013	GROSS ALPHA	4.87	pCi/L	J	J	2.82	7.36
FTF 28	9/16/2013	GROSS ALPHA	4.69	pCi/L	J	J	2.44	9.2
FTF 22	3/11/2013	GROSS ALPHA	3.6	pCi/L			1.1	3.1
FTF 19	3/11/2013	GROSS ALPHA	3.4	pCi/L			0.8	2.6
FTF009R	9/16/2013	GROSS ALPHA	2.95	pCi/L	U	U	3	7.2
FTF009R	3/12/2013	GROSS ALPHA	2.6	pCi/L		J	1.4	3.8
FTF009R	3/12/2013	GROSS ALPHA	2.2	pCi/L		J	1.2	3.2
FTF 28	3/13/2013	GROSS ALPHA	2.19	pCi/L		J	0.83	2.41
FTF012R	9/18/2013	GROSS ALPHA	2.04	pCi/L	U	U	2.8	6.46
FBG001C	3/13/2013	GROSS ALPHA	1.92	pCi/L	U	U	2.06	5.12
FTF 28	9/16/2013	GROSS ALPHA	1.88	pCi/L	U	U	2.9	6.7
FTF 19	9/18/2013	GROSS ALPHA	1.71	pCi/L	U	U	2.86	6.42
FTF030D	9/16/2013	GROSS ALPHA	1.68	pCi/L	U	U	2.91	6.53
FTF012R	3/12/2013	GROSS ALPHA	1.48	pCi/L		J	1.2	2.92
FTF 28	2/25/2013	GROSS ALPHA	1.24	pCi/L	U	U	2.04	4.85
FTF030	9/16/2013	GROSS ALPHA	1.17	pCi/L	U	U	2.78	6.14
FTF 29	3/13/2013	GROSS ALPHA	0.99	pCi/L	U	U	1.5	3.4
FTF031	3/13/2013	GROSS ALPHA	0.96	pCi/L		J	0.83	2.05
FBG001C	3/13/2013	GROSS ALPHA	0.82	pCi/L	U	U	1	2.38
FTF 28	3/13/2013	GROSS ALPHA	0.75	pCi/L	U	U	0.8	1.92
FTF 29	9/16/2013	GROSS ALPHA	0.73	pCi/L	U	U	2.87	6.01
FBG001C	3/13/2013	GROSS ALPHA	0.718	pCi/L	U	U	1.93	4.13
FBG001C	9/23/2013	GROSS ALPHA	0.57	pCi/L	U	U	1	2.26
FTF030	3/11/2013	GROSS ALPHA	0.26	pCi/L	U	U	0.94	2.02
FTF030	3/11/2013	GROSS ALPHA	0.12	pCi/L	U	U	0.94	1.94
FBG001C	9/23/2013	GROSS ALPHA	0.0661	pCi/L	U	U	2.1	4.1
FBG001C	9/23/2013	GROSS ALPHA	0.02	pCi/L	U	U	1	2.12
FTF 28	8/13/2013	GROSS ALPHA	-0.00938	pCi/L	U	U	2.68	4.73
FTF 28	2/25/2013	IODINE-129	1.91	pCi/L	J	J	0.986	4.06

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FTF 23	3/11/2013	IODINE-129	0.45	pCi/L	UJ	UJ	1.1	2.4
FTF 28	8/13/2013	IODINE-129	0.297	pCi/L	U	U	1.2	2.83
FBG001C	3/13/2013	IODINE-129	0.295	pCi/L	U	U	0.769	1.51
FTF 28	9/16/2013	IODINE-129	0.197	pCi/L	UJ	UJ	1.14	2.28
FTF 20	3/11/2013	IODINE-129	0.18	pCi/L	UJ	UJ	1	2.2
FBG001C	3/13/2013	IODINE-129	0.167	pCi/L	U	U	0.395	0.941
FTF 28	3/13/2013	IODINE-129	0.14	pCi/L	UJ	UJ	1.4	3.02
FTF 19	3/11/2013	IODINE-129	0.12	pCi/L	UJ	UJ	1.1	2.4
FTF 28	9/16/2013	IODINE-129	0.0984	pCi/L	UJ	UJ	1.17	2.39
FTF030	3/11/2013	IODINE-129	0.03	pCi/L	UJ	UJ	1.1	2.42
FTF 28	9/16/2013	IODINE-129	-0.102	pCi/L	UJ	UJ	1.09	2.21
FTF009R	3/12/2013	IODINE-129	-0.2	pCi/L	UJ	UJ	1	2.18
FTF012R	3/12/2013	IODINE-129	-0.41	pCi/L	UJ	UJ	1.5	3.18
FTF 29	3/13/2013	IODINE-129	-0.44	pCi/L	UJ	UJ	1.2	2.56
FTF031	3/13/2013	IODINE-129	-0.48	pCi/L	UJ	UJ	1.1	2.38
FTF 28	3/13/2013	IODINE-129	-0.49	pCi/L	UJ	UJ	1.4	3
FTF 22	3/11/2013	IODINE-129	-0.53	pCi/L	UJ	UJ	1.2	2.52
FBG001C	3/13/2013	IODINE-129	-0.64	pCi/L	UJ	UJ	1.2	2.48
FTF 28	9/16/2013	LEAD-212	6.8	pCi/L	U	U	9.77	20.1
FTF 28	9/16/2013	LEAD-212	4.56	pCi/L	U	U	11.4	27.7
FTF 28	9/16/2013	LEAD-212	-4.63	pCi/L	U	U	10.2	22.3
FTF 28	9/16/2013	LEAD-214	7.27	pCi/L	U	U	10	29.1
FTF 28	9/16/2013	LEAD-214	0.639	pCi/L	U	U	12.7	27.3
FTF 28	9/16/2013	LEAD-214	-2.75	pCi/L	U	U	11.7	25.5
FTF009R	9/16/2013	MANGANESE	2060	ug/L			20	100
FTF009R	3/12/2013	MANGANESE	1530	ug/L			1	10
FBG001C	3/13/2013	MANGANESE	435	ug/L			10	50
FBG001C	3/13/2013	MANGANESE	431	ug/L			2	10
FTF030	3/11/2013	MANGANESE	335	ug/L			1	10
FBG001C	3/13/2013	MANGANESE	298	ug/L			1	10
FBG001C	9/23/2013	MANGANESE	200	ug/L			0.24	2
FBG001C	9/23/2013	MANGANESE	197	ug/L			1	5
FTF030	9/16/2013	MANGANESE	163	ug/L			1	5
FTF030D	9/16/2013	MANGANESE	66.4	ug/L			1	5
FTF 20	9/18/2013	MANGANESE	65.6	ug/L			1	5
FTF 20	3/11/2013	MANGANESE	65.5	ug/L			1	10
FTF 19	9/18/2013	MANGANESE	40	ug/L			1	5
FTF 19	3/11/2013	MANGANESE	39.2	ug/L			1	10
FTF031	3/13/2013	MANGANESE	34.1	ug/L			1	10
FTF012R	3/12/2013	MANGANESE	28.8	ug/L			1	10
FTF012R	9/18/2013	MANGANESE	21.5	ug/L			1	5
FTF 22	9/18/2013	MANGANESE	21.4	ug/L			1	5
FTF031	9/19/2013	MANGANESE	20.4	ug/L			1	5
FTF 28	9/16/2013	MANGANESE	11.7	ug/L			1	5
FTF 28	9/16/2013	MANGANESE	11.7	ug/L			1	5
FTF 22	3/11/2013	MANGANESE	11.6	ug/L			1	10
FTF 23	3/11/2013	MANGANESE	10.7	ug/L			1	10
FTF 28	3/13/2013	MANGANESE	10.7	ug/L			1	10
FTF 29	3/13/2013	MANGANESE	10	ug/L	U	U	1	10
FTF 28	3/13/2013	MANGANESE	9.78	ug/L	J	J	1	10
FTF 23	9/19/2013	MANGANESE	9.51	ug/L			1	5
FTF 29	9/16/2013	MANGANESE	5	ug/L	U	U	1	5
FTF 28	9/16/2013	NICKEL-59	-0.0953	pCi/L	U	U	19.4	41
FTF 28	9/16/2013	NICKEL-59	-2.69	pCi/L	U	U	10.6	23
FTF 28	9/16/2013	NICKEL-59	-3.35	pCi/L	U	U	20.3	43.7
FTF 28	9/16/2013	NICKEL-63	-9.81	pCi/L	U	U	34.1	72.3

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FTF 28	9/16/2013	NICKEL-63	-11.6	pCi/L	U	U	36.4	77
FTF 28	9/16/2013	NICKEL-63	-26.5	pCi/L	U	U	35.3	73.3
FBG001C	3/13/2013	NITRATE-NITRITE AS NITROGEN	6.62	mg/L			0.17	0.5
FBG001C	9/23/2013	NITRATE-NITRITE AS NITROGEN	6.56	mg/L			0.17	0.5
FBG001C	9/23/2013	NITRATE-NITRITE AS NITROGEN	6.1	mg/L			0.031	0.25
FBG001C	9/23/2013	NITRATE-NITRITE AS NITROGEN	6	mg/L			0.031	0.25
FTF 23	3/11/2013	NITRATE-NITRITE AS NITROGEN	5.6	mg/L			0.062	0.5
FBG001C	3/13/2013	NITRATE-NITRITE AS NITROGEN	5.5	mg/L			0.062	0.5
FTF 22	9/18/2013	NITRATE-NITRITE AS NITROGEN	3.61	mg/L			0.17	0.5
FTF 23	9/19/2013	NITRATE-NITRITE AS NITROGEN	3.44	mg/L			0.17	0.5
FTF 23	9/19/2013	NITRATE-NITRITE AS NITROGEN	3.32	mg/L			0.17	0.5
FTF 22	3/11/2013	NITRATE-NITRITE AS NITROGEN	3.3	mg/L			0.012	0.1
FTF 19	3/11/2013	NITRATE-NITRITE AS NITROGEN	2.9	mg/L			0.012	0.1
FTF 29	3/13/2013	NITRATE-NITRITE AS NITROGEN	2.9	mg/L			0.012	0.1
FTF031	9/19/2013	NITRATE-NITRITE AS NITROGEN	2.73	mg/L			0.17	0.5
FTF031	3/13/2013	NITRATE-NITRITE AS NITROGEN	2.7	mg/L			0.012	0.1
FTF012R	9/18/2013	NITRATE-NITRITE AS NITROGEN	2.69	mg/L			0.17	0.5
FTF 28	2/25/2013	NITRATE-NITRITE AS NITROGEN	2.4	mg/L		J	0.012	0.1
FTF 29	9/16/2013	NITRATE-NITRITE AS NITROGEN	2.39	mg/L			0.085	0.25
FTF 28	9/16/2013	NITRATE-NITRITE AS NITROGEN	2.08	mg/L			0.085	0.25
FTF 19	9/18/2013	NITRATE-NITRITE AS NITROGEN	2.06	mg/L			0.17	0.5
FTF 28	8/13/2013	NITRATE-NITRITE AS NITROGEN	2.01	mg/L			0.085	0.25
FTF 20	3/11/2013	NITRATE-NITRITE AS NITROGEN	2	mg/L			0.0062	0.05
FTF012R	3/12/2013	NITRATE-NITRITE AS NITROGEN	2	mg/L			0.031	0.25
FTF 28	9/16/2013	NITRATE-NITRITE AS NITROGEN	1.95	mg/L			0.085	0.25
FTF 28	3/13/2013	NITRATE-NITRITE AS NITROGEN	1.9	mg/L			0.012	0.1
FTF 28	3/13/2013	NITRATE-NITRITE AS NITROGEN	1.9	mg/L			0.012	0.1
FTF 20	9/18/2013	NITRATE-NITRITE AS NITROGEN	1.83	mg/L			0.17	0.5
FTF030D	9/16/2013	NITRATE-NITRITE AS NITROGEN	1.82	mg/L			0.085	0.25
FTF 20	9/18/2013	NITRATE-NITRITE AS NITROGEN	1.78	mg/L			0.17	0.5
FTF030	9/16/2013	NITRATE-NITRITE AS NITROGEN	1.35	mg/L			0.017	0.05
FTF030	3/11/2013	NITRATE-NITRITE AS NITROGEN	1.3	mg/L			0.0062	0.05
FTF030	3/11/2013	NITRATE-NITRITE AS NITROGEN	1.3	mg/L			0.0062	0.05
FTF009R	9/16/2013	NITRATE-NITRITE AS NITROGEN	0.925	mg/L			0.085	0.25
FTF009R	3/12/2013	NITRATE-NITRITE AS NITROGEN	0.33	mg/L			0.0031	0.025
FTF 28	9/16/2013	NONVOLATILE BETA	954	pCi/L			3.75	41.2
FTF 28	3/13/2013	NONVOLATILE BETA	953	pCi/L			0.9	20.9
FTF 28	9/16/2013	NONVOLATILE BETA	921	pCi/L			3.15	40.4
FTF 28	3/13/2013	NONVOLATILE BETA	900	pCi/L			1	19
FTF 28	2/25/2013	NONVOLATILE BETA	333	pCi/L			3.06	33.4
FTF 28	8/13/2013	NONVOLATILE BETA	292	pCi/L			4.21	41.5
FTF012R	9/18/2013	NONVOLATILE BETA	26.4	pCi/L			2.31	8.99
FTF012R	3/12/2013	NONVOLATILE BETA	20	pCi/L			1	4
FTF 29	9/16/2013	NONVOLATILE BETA	12.2	pCi/L			2.57	7.15
FTF 19	9/18/2013	NONVOLATILE BETA	9.7	pCi/L			2.32	6.84
FTF 29	3/13/2013	NONVOLATILE BETA	9.4	pCi/L			1	3.2
FTF 20	3/11/2013	NONVOLATILE BETA	4.9	pCi/L			1.2	3.2
FTF031	9/19/2013	NONVOLATILE BETA	4.18	pCi/L	J	J	2.51	5.97
FTF 20	9/18/2013	NONVOLATILE BETA	4.01	pCi/L	J	J	2.23	5.77
FTF030	9/16/2013	NONVOLATILE BETA	4.01	pCi/L	J	J	2.27	5.67
FTF 20	9/18/2013	NONVOLATILE BETA	3.76	pCi/L	J	J	2.93	6.97
FTF 19	3/11/2013	NONVOLATILE BETA	3.33	pCi/L			0.91	2.53
FBG001C	9/23/2013	NONVOLATILE BETA	3.06	pCi/L	U	U	3.17	7.15
FBG001C	3/13/2013	NONVOLATILE BETA	2.43	pCi/L		J	0.97	2.47
FBG001C	9/23/2013	NONVOLATILE BETA	2.34	pCi/L			0.73	1.83
FTF 22	9/18/2013	NONVOLATILE BETA	2.26	pCi/L	U	U	2.43	5.59

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FBG001C	3/13/2013	NONVOLATILE BETA	2.24	pCi/L	J	J	2.04	4.88
FBG001C	3/13/2013	NONVOLATILE BETA	2	pCi/L	U	U	3.04	6.76
FTF009R	9/16/2013	NONVOLATILE BETA	1.88	pCi/L	U	U	2.2	5.08
FTF030	3/11/2013	NONVOLATILE BETA	1.87	pCi/L		J	1	2.44
FBG001C	9/23/2013	NONVOLATILE BETA	1.86	pCi/L			0.66	1.64
FTF 23	9/19/2013	NONVOLATILE BETA	1.48	pCi/L	U	U	2.85	6.25
FTF009R	3/12/2013	NONVOLATILE BETA	1.37	pCi/L		J	0.97	2.37
FTF030	3/11/2013	NONVOLATILE BETA	1.21	pCi/L		J	0.78	1.9
FTF 22	3/11/2013	NONVOLATILE BETA	1.17	pCi/L		J	1	2.42
FTF009R	3/12/2013	NONVOLATILE BETA	1.1	pCi/L		J	0.85	2.05
FTF 23	3/11/2013	NONVOLATILE BETA	1.09	pCi/L	U	U	1.1	2.56
FTF030D	9/16/2013	NONVOLATILE BETA	1.05	pCi/L	U	U	2.35	5.15
FTF031	3/13/2013	NONVOLATILE BETA	0.28	pCi/L	U	U	1	2.22
FTF 28	9/16/2013	POTASSIUM-40	35.4	pCi/L	R	R	29.9	86.1
FTF 28	9/16/2013	POTASSIUM-40	31.4	pCi/L	U	U	40	128
FTF 28	9/16/2013	POTASSIUM-40	-0.184	pCi/L	U	U	60.9	126
FTF 28	9/16/2013	PROMETHIUM-147	2.71	pCi/L	U	U	8.65	18.9
FTF 28	9/16/2013	PROMETHIUM-147	1.15	pCi/L	U	U	8.74	19
FTF 28	9/16/2013	PROMETHIUM-147	0.818	pCi/L	U	U	8.31	18.1
FTF 28	9/16/2013	RADIUM-226	1.51	pCi/L		J	0.443	1.35
FTF 28	9/16/2013	RADIUM-226	0.644	pCi/L	J	J	0.416	1.06
FTF 28	8/13/2013	RADIUM-226	0.479	pCi/L	J	J	0.255	0.689
FTF 28	2/25/2013	RADIUM-226	0.391	pCi/L		J	0.056	0.216
FTF 28	2/25/2013	RADIUM-226	0.244	pCi/L		J	0.056	0.184
FTF 28	9/16/2013	RADIUM-226	0.231	pCi/L	U	UJ	0.466	1.02
FTF 28	9/16/2013	RADIUM-228	0.629	pCi/L	J	J	0.505	1.22
FTF 28	9/16/2013	RADIUM-228	0.61	pCi/L	U	U	0.611	1.41
FTF 28	9/16/2013	RADIUM-228	0.436	pCi/L	U	U	0.507	1.15
FTF 28	8/13/2013	RADIUM-228	0.297	pCi/L	U	U	0.767	1.66
FTF 28	2/25/2013	RADIUM-228	0.17	pCi/L	U	U	0.3	0.68
FTF030D	9/16/2013	SODIUM	33300	ug/L		J	80	250
FTF 20	3/11/2013	SODIUM	19000	ug/L			20	200
FTF 20	9/18/2013	SODIUM	14900	ug/L		J	80	250
FTF009R	3/12/2013	SODIUM	11200	ug/L			20	200
FTF 19	9/18/2013	SODIUM	10900	ug/L		J	80	250
FTF009R	9/16/2013	SODIUM	8740	ug/L		J	80	250
FTF 22	3/11/2013	SODIUM	8350	ug/L			20	200
FTF 22	9/18/2013	SODIUM	8140	ug/L		J	80	250
FTF 19	3/11/2013	SODIUM	7950	ug/L			20	200
FTF 23	3/11/2013	SODIUM	6530	ug/L			20	200
FBG001C	3/13/2013	SODIUM	6090	ug/L			500	1500
FBG001C	3/13/2013	SODIUM	5990	ug/L			20	200
FBG001C	3/13/2013	SODIUM	5990	ug/L			100	300
FTF 29	3/13/2013	SODIUM	5980	ug/L			20	200
FBG001C	9/23/2013	SODIUM	5900	ug/L			15	100
FTF 23	9/19/2013	SODIUM	5490	ug/L			80	250
FBG001C	9/23/2013	SODIUM	5480	ug/L			80	250
FTF012R	9/18/2013	SODIUM	4630	ug/L		J	80	250
FTF030	3/11/2013	SODIUM	4270	ug/L			20	200
FTF 29	9/16/2013	SODIUM	4150	ug/L			80	250
FTF012R	3/12/2013	SODIUM	4010	ug/L			20	200
FTF031	9/19/2013	SODIUM	4010	ug/L			80	250
FTF031	3/13/2013	SODIUM	3590	ug/L			20	200
FTF030	9/16/2013	SODIUM	3420	ug/L			80	250
FTF 28	9/16/2013	SODIUM	2880	ug/L			80	250
FTF 28	9/16/2013	SODIUM	2830	ug/L			80	250

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FTF 28	3/13/2013	SODIUM	2410	ug/L			20	200
FTF 28	3/13/2013	SODIUM	2400	ug/L			20	200
FTF 28	9/16/2013	STRONTIUM-90	0.478	pCi/L	U	U	2.69	5.59
FTF 28	8/13/2013	STRONTIUM-90	0.411	pCi/L	U	U	3.31	7.68
FTF 28	3/13/2013	STRONTIUM-90	0.32	pCi/L	U	U	0.33	0.77
FTF 28	3/13/2013	STRONTIUM-90	0.17	pCi/L	U	U	0.32	0.72
FTF 28	3/13/2013	STRONTIUM-90	0.11	pCi/L	U	U	0.27	0.59
FTF 28	2/25/2013	STRONTIUM-90	-0.0935	pCi/L	U	U	3.45	6.04
FTF 28	9/16/2013	STRONTIUM-90	-1.3	pCi/L	U	U	3.47	6.45
FTF 28	9/16/2013	STRONTIUM-90	-1.61	pCi/L	U	U	6.65	13.6
FTF 28	3/13/2013	TECHNETIUM-99	1300	pCi/L			3	43
FTF 28	9/16/2013	TECHNETIUM-99	1270	pCi/L			8.11	58.5
FTF 28	3/13/2013	TECHNETIUM-99	1270	pCi/L			3	43
FTF 28	9/16/2013	TECHNETIUM-99	1260	pCi/L			8.17	58.2
FTF012R	9/18/2013	TECHNETIUM-99	30.5	pCi/L			7.15	19
FTF 29	9/16/2013	TECHNETIUM-99	20.3	pCi/L			7.36	17.4
FTF 19	9/18/2013	TECHNETIUM-99	10.4	pCi/L	J	J	6.92	16.1
FBG001C	3/13/2013	TECHNETIUM-99	6.11	pCi/L	U	U	7.72	17.1
FTF030	9/16/2013	TECHNETIUM-99	4.12	pCi/L	U	U	6.73	14.8
FBG001C	3/13/2013	TECHNETIUM-99	3.1	pCi/L		J	2.7	6.1
FBG001C	9/23/2013	TECHNETIUM-99	2.7	pCi/L	J	J	2.1	4.9
FTF 20	9/18/2013	TECHNETIUM-99	2.36	pCi/L	U	U	6.56	14.2
FTF030	3/11/2013	TECHNETIUM-99	2.1	pCi/L		J	2	4.6
FTF 20	9/18/2013	TECHNETIUM-99	1.98	pCi/L	U	U	6.67	14.4
FTF 22	9/18/2013	TECHNETIUM-99	1.41	pCi/L	U	U	6.6	14.1
FTF030	3/11/2013	TECHNETIUM-99	1.1	pCi/L	U	U	1.7	3.9
FBG001C	9/23/2013	TECHNETIUM-99	1.02	pCi/L	U	U	7.65	16.6
FTF031	9/19/2013	TECHNETIUM-99	0.556	pCi/L	U	U	7.37	15.9
FTF030D	9/16/2013	TECHNETIUM-99	0.0787	pCi/L	U	U	6.66	14
FTF009R	9/16/2013	TECHNETIUM-99	-0.0303	pCi/L	U	U	6.04	12.7
FTF 23	9/19/2013	TECHNETIUM-99	-3.55	pCi/L	U	U	7.8	16.6
FTF 28	9/16/2013	THALLIUM-208	-0.73	pCi/L	U	U	6.29	13.3
FTF 28	9/16/2013	THALLIUM-208	-0.759	pCi/L	U	U	5.6	11.9
FTF 28	9/16/2013	THALLIUM-208	-1.34	pCi/L	U	U	5.47	11.9
FTF030D	9/16/2013	TRITIUM	81.3	pCi/mL			0.554	4.79
FTF 29	9/16/2013	TRITIUM	7.46	pCi/mL			0.545	2.13
FTF012R	9/18/2013	TRITIUM	7.25	pCi/mL			0.546	1.92
FTF012R	3/12/2013	TRITIUM	6.97	pCi/mL	J	J	0.515	1.69
FTF 29	3/13/2013	TRITIUM	3.83	pCi/mL			0.589	1.62
FTF 28	2/25/2013	TRITIUM	3.14	pCi/mL			0.493	1.38
FTF 28	9/16/2013	TRITIUM	3.13	pCi/mL			0.543	1.66
FTF 28	3/13/2013	TRITIUM	3.05	pCi/mL			0.591	1.57
FTF 28	3/13/2013	TRITIUM	3.03	pCi/mL			0.591	1.56
FBG001C	9/23/2013	TRITIUM	3	pCi/mL			0.538	1.57
FTF 19	9/18/2013	TRITIUM	2.82	pCi/mL			0.549	1.54
FTF 19	3/11/2013	TRITIUM	2.82	pCi/mL			0.452	1.28
FTF 28	9/16/2013	TRITIUM	2.82	pCi/mL			0.536	1.6
FBG001C	3/13/2013	TRITIUM	2.62	pCi/mL			0.546	1.51
FBG001C	9/23/2013	TRITIUM	2.61	pCi/mL			0.31	1.07
FTF 28	8/13/2013	TRITIUM	2.59	pCi/mL			0.363	1.07
FBG001C	3/13/2013	TRITIUM	2.48	pCi/mL			0.586	1.51
FTF 20	3/11/2013	TRITIUM	2.48	pCi/mL			0.453	1.25
FTF 20	9/18/2013	TRITIUM	2.29	pCi/mL			0.546	1.47
FTF 22	3/11/2013	TRITIUM	2.02	pCi/mL			0.45	1.2
FTF031	9/19/2013	TRITIUM	1.91	pCi/mL			0.537	1.43
FTF 22	9/18/2013	TRITIUM	1.66	pCi/mL			0.547	1.39

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
FTF009R	9/16/2013	TRITIUM	1.66	pCi/mL			0.617	1.55
FTF030	9/16/2013	TRITIUM	1.52	pCi/mL			0.542	1.42
FTF030	3/11/2013	TRITIUM	1.48	pCi/mL			0.451	1.15
FTF 23	3/11/2013	TRITIUM	1.46	pCi/mL			0.457	1.16
FTF009R	3/12/2013	TRITIUM	1.46	pCi/mL	J	J	0.52	1.28
FTF031	3/13/2013	TRITIUM	1.44	pCi/mL			0.588	1.42
FTF 23	9/19/2013	TRITIUM	1.14	pCi/mL	J	J	0.536	1.32
FTF 28	8/13/2013	URANIUM-233/234	0.0423	pCi/L	U	U	0.0574	0.178
FTF 28	2/25/2013	URANIUM-233/234	0	pCi/L	U	U	0.0552	0.0552
FTF 28	2/25/2013	URANIUM-235	-0.00628	pCi/L	U	U	0.127	0.152
FTF 28	8/13/2013	URANIUM-235	-0.00653	pCi/L	U	U	0.132	0.158
FTF 28	2/25/2013	URANIUM-238	0.0152	pCi/L	U	U	0.102	0.186
FTF 28	8/13/2013	URANIUM-238	0	pCi/L	U	U	0.0573	0.0573

Attachment B
2013 Sample Results for H Area Tank Farm

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA017C	1/14/2013	ACTINIUM-228	12.5	pCi/L	U	U	23.9	54.3
HAA017D	1/9/2013	ACTINIUM-228	6.2	pCi/L	U	U	18.7	41.9
HAA017C	1/14/2013	ACTINIUM-228	-6.38	pCi/L	U	U	19.1	43.7
HAA017D	1/9/2013	ACTINIUM-228	-6.55	pCi/L	U	U	14.5	31.4
HAA 4D	3/11/2013	AMERICIUM-241	0.032	pCi/L	U	U	0.065	0.149
HAA 4D	3/11/2013	AMERICIUM-241	0.024	pCi/L	U	U	0.08	0.17
HAA017D	1/9/2013	AMERICIUM-241	0.0146	pCi/L	U	U	0.0572	0.129
HAA017D	1/9/2013	AMERICIUM-241	0.00526	pCi/L	U	U	0.0624	0.128
HAA017C	1/14/2013	AMERICIUM-241	0.00485	pCi/L	U	U	0.0576	0.119
HAA017C	1/14/2013	AMERICIUM-243	0.0458	pCi/L	U	U	0.0598	0.162
HAA017D	1/9/2013	AMERICIUM-243	0.00983	pCi/L	U	U	0.0876	0.178
HAA017D	1/9/2013	AMERICIUM-243	-0.00542	pCi/L	U	U	0.063	0.115
HAA017C	1/14/2013	ARSENIC	50	ug/L	U	U	5	50
HAA017D	1/9/2013	ARSENIC	50	ug/L	U	U	5	50
HAA017D	1/9/2013	ARSENIC	50	ug/L	U	U	5	50
HAA017C	1/14/2013	BARIUM	19.3	ug/L	J	J	2	20
HAA017D	1/9/2013	BARIUM	8.74	ug/L	J	J	2	20
HAA017D	1/9/2013	BARIUM	8.73	ug/L	J	J	2	20
HAA017D	1/9/2013	BERYLLIUM	1	ug/L	U	U	0.1	1
HAA017C	1/14/2013	BERYLLIUM	0.128	ug/L	J	J	0.1	1
HAA017D	1/9/2013	BERYLLIUM	0.114	ug/L	J	J	0.1	1
HAA017C	1/14/2013	BISMUTH-214	263	pCi/L			10.4	49.4
HAA017C	1/14/2013	BISMUTH-214	223	pCi/L			8.91	42.1
HAA017D	1/9/2013	BISMUTH-214	36.4	pCi/L			6.65	25.8
HAA017D	1/9/2013	BISMUTH-214	30.2	pCi/L			6.2	21.4
HAA 8B	3/7/2013	CADMIUM	25	ug/L	U	U	5	25
HAA 8B	3/7/2013	CADMIUM	5	ug/L	U	U	1	5
HAA 11C	9/11/2013	CADMIUM	5	ug/L	U	U	0.55	5
HAA 14C	3/11/2013	CADMIUM	5	ug/L	U	U	1	5
HAA 15C	9/17/2013	CADMIUM	5	ug/L	U	U	0.55	5
HAA018D	9/23/2013	CADMIUM	5	ug/L	U	U	0.55	5
HAA019C	9/24/2013	CADMIUM	5	ug/L	U	U	0.55	5
HAA020D	9/17/2013	CADMIUM	5	ug/L	U	U	0.55	5
HAA 1A	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 1A	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 1C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 1D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 2B	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 2B	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 2C	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 2C	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 2D	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 2D	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 4B	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 4B	4/18/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 4C	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 4C	3/18/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 4C	3/18/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 4D	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 4D	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 7C	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 7C	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 7D	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 7D	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 8B	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 8C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 8C	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 8D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 8D	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 9B	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 9B	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 9D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 9D	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 10B	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 10B	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 10B	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 10B	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 10C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 10C	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 10D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 10D	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 11B	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 11B	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 11C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 11D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 11D	3/7/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 12B	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 12B	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 12C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 12D	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 12D	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 13B	9/12/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 13B	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 13C	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 13C	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 13D	9/11/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 14B	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 14B	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 14C	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 14C	3/11/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 14D	9/16/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 15B	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 15C	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 15C	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA 15D	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA 15D	3/12/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA017C	9/23/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA017D	9/23/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA018D	9/23/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA018D	3/19/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA018D	3/19/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA019C	9/24/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA019C	3/14/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA019D	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA019D	3/14/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA020C	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA020C	3/14/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA020C	3/14/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA020D	9/17/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA020D	3/14/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA021D	9/18/2013	CADMIUM	1	ug/L	U	U	0.11	1
HAA021D	3/18/2013	CADMIUM	1	ug/L	U	U	0.1	1
HAA018C	3/19/2013	CADMIUM	0.71	ug/L	J	J	0.1	1
HAA018C	3/19/2013	CADMIUM	0.653	ug/L	J	J	0.1	1

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 14C	9/16/2013	CADMIUM	0.5	ug/L	U	U	0.1	0.5
HAA 9C	9/11/2013	CADMIUM	0.426	ug/L	J	J	0.11	1
HAA 9C	3/7/2013	CADMIUM	0.392	ug/L	J	J	0.1	1
HAA018C	9/23/2013	CADMIUM	0.361	ug/L	J	J	0.11	1
HAA018C	9/23/2013	CADMIUM	0.355	ug/L	J	J	0.11	1
HAA 15B	3/12/2013	CADMIUM	0.267	ug/L	J	J	0.1	1
HAA 11C	3/7/2013	CADMIUM	0.233	ug/L	J	J	0.1	1
HAA 7B	3/12/2013	CADMIUM	0.223	ug/L	J	J	0.1	1
HAA021C	3/18/2013	CADMIUM	0.188	ug/L	J	J	0.1	1
HAA 8B	9/11/2013	CADMIUM	0.18	ug/L	J	J	0.1	0.5
HAA 13D	3/11/2013	CADMIUM	0.172	ug/L	J	J	0.1	1
HAA 14D	3/11/2013	CADMIUM	0.172	ug/L	J	J	0.1	1
HAA017C	1/14/2013	CADMIUM	0.171	ug/L	J	J	0.1	1
HAA017C	3/14/2013	CADMIUM	0.159	ug/L	J	J	0.1	1
HAA017D	1/9/2013	CADMIUM	0.159	ug/L	J	J	0.1	1
HAA017D	1/9/2013	CADMIUM	0.151	ug/L	J	J	0.1	1
HAA 7B	9/12/2013	CADMIUM	0.148	ug/L	J	J	0.11	1
HAA 1C	3/7/2013	CADMIUM	0.13	ug/L	J	J	0.1	1
HAA 2D	3/12/2013	CADMIUM	0.129	ug/L	J	J	0.1	1
HAA017D	3/25/2013	CADMIUM	0.12	ug/L	J	J	0.1	1
HAA 8B	3/7/2013	CADMIUM	0.112	ug/L	J	J	0.1	1
HAA021C	9/19/2013	CADMIUM	0.112	ug/L	J	J	0.11	1
HAA 1A	3/7/2013	CADMIUM	0.111	ug/L	J	J	0.1	1
HAA 1D	3/7/2013	CADMIUM	0.107	ug/L	J	J	0.1	1
HAA 11C	3/7/2013	CADMIUM	0.106	ug/L	J	J	0.1	1
HAA 12C	3/11/2013	CADMIUM	0.1	ug/L	J	J	0.1	1
HAA017D	1/9/2013	CARBON-14	1.04	pCi/L	U	U	7.99	17.3
HAA017C	1/14/2013	CARBON-14	0.676	pCi/L	U	U	7.33	15.9
HAA017C	1/14/2013	CARBON-14	-0.0782	pCi/L	U	U	7.35	15.8
HAA017D	1/9/2013	CARBON-14	-3.04	pCi/L	U	U	8.5	18.2
HAA017D	1/9/2013	CESIUM-137	0.563	pCi/L	U	U	3.86	7.86
HAA017C	1/14/2013	CESIUM-137	0.377	pCi/L	U	U	5.9	14.8
HAA017D	1/9/2013	CESIUM-137	-0.457	pCi/L	U	U	3.81	7.99
HAA017C	1/14/2013	CESIUM-137	-0.65	pCi/L	U	U	4.67	10.6
HAA017D	1/9/2013	CHLORIDE	2.97	mg/L			0.067	0.2
HAA017C	1/14/2013	CHLORIDE	2.55	mg/L			0.067	0.2
HAA 1A	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 1A	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 1C	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 1D	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 2B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 2C	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 4B	4/18/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 4C	3/18/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 4C	3/18/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 4D	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 7B	3/12/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 8B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 8C	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 8D	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 9B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 9D	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 10B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 10B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 10C	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 10D	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 11B	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 11C	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 11D	3/7/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 12D	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 13B	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 14B	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 14D	3/11/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA017C	3/14/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA017C	1/14/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA017D	3/25/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA017D	1/9/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA017D	1/9/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA018C	3/19/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA018C	3/19/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA018D	3/19/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA018D	3/19/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA021C	3/18/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA021D	3/18/2013	CHROMIUM	100	ug/L	U	U	10	100
HAA 11C	9/11/2013	CHROMIUM	50	ug/L	U	U	10	50
HAA 15C	9/17/2013	CHROMIUM	50	ug/L	U	U	10	50
HAA018D	9/23/2013	CHROMIUM	50	ug/L	U	U	10	50
HAA019C	9/24/2013	CHROMIUM	50	ug/L	U	U	10	50
HAA 8B	3/7/2013	CHROMIUM	25	ug/L	U	U	5	25
HAA 13D	3/11/2013	CHROMIUM	16.4	ug/L	J	J	10	100
HAA020D	9/17/2013	CHROMIUM	15.7	ug/L	J	J	10	50
HAA020D	9/17/2013	CHROMIUM	15.6	ug/L			2	10
HAA020D	3/14/2013	CHROMIUM	15.3	ug/L	J	J	10	100
HAA 7C	3/12/2013	CHROMIUM	14.1	ug/L	J	J	10	100
HAA 15D	3/12/2013	CHROMIUM	13.9	ug/L	J	J	10	100
HAA 14C	3/11/2013	CHROMIUM	13.7	ug/L	J	J	10	100
HAA020C	3/14/2013	CHROMIUM	13.4	ug/L	J	J	10	100
HAA 7D	3/12/2013	CHROMIUM	12.8	ug/L	J	J	10	100
HAA 9C	3/7/2013	CHROMIUM	12.7	ug/L	J	J	10	100
HAA020C	3/14/2013	CHROMIUM	12.6	ug/L	J	J	10	100
HAA 12C	3/11/2013	CHROMIUM	12.5	ug/L	J	J	10	100
HAA 13C	3/11/2013	CHROMIUM	11.9	ug/L	J	J	10	100
HAA 15B	3/12/2013	CHROMIUM	11.9	ug/L	J	J	10	100
HAA 12B	3/11/2013	CHROMIUM	11.7	ug/L	J	J	10	100
HAA 15C	3/12/2013	CHROMIUM	11	ug/L	J	J	10	100
HAA019C	3/14/2013	CHROMIUM	11	ug/L	J	J	10	100
HAA 2D	3/12/2013	CHROMIUM	10.7	ug/L	J	J	10	100
HAA 11C	3/7/2013	CHROMIUM	10.7	ug/L	J	J	10	100
HAA 2D	3/12/2013	CHROMIUM	10.5	ug/L	J	J	10	100
HAA019D	3/14/2013	CHROMIUM	10.1	ug/L	J	J	10	100
HAA 1A	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 1C	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 1D	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 2C	9/12/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 2D	9/12/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 4D	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 7D	9/12/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 8B	9/11/2013	CHROMIUM	10	ug/L	U	U	3.3	10
HAA 8C	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 8D	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 9D	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 10D	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 11D	9/11/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 12D	9/12/2013	CHROMIUM	10	ug/L	U	U	2	10

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 14D	9/16/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 15B	9/17/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 15D	9/17/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA017C	9/23/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA018D	9/23/2013	CHROMIUM	10	ug/L	U	U	2	10
HAA 13B	9/12/2013	CHROMIUM	8.01	ug/L	J	J	2	10
HAA 7C	9/12/2013	CHROMIUM	6.72	ug/L	J	J	2	10
HAA 13D	9/11/2013	CHROMIUM	6.31	ug/L	J	J	2	10
HAA 14C	9/16/2013	CHROMIUM	6	ug/L	J	J	3.3	10
HAA 14C	9/16/2013	CHROMIUM	5.85	ug/L	J	J	2	10
HAA 14C	3/11/2013	CHROMIUM	5.73	ug/L			1	5
HAA 12B	9/11/2013	CHROMIUM	5.39	ug/L	J	J	2	10
HAA020C	9/17/2013	CHROMIUM	5.36	ug/L	J	J	2	10
HAA021D	9/18/2013	CHROMIUM	5.35	ug/L	J	J	2	10
HAA 13C	9/11/2013	CHROMIUM	5.26	ug/L	J	J	2	10
HAA 9C	9/11/2013	CHROMIUM	4.85	ug/L	J	J	2	10
HAA 11C	9/11/2013	CHROMIUM	4.81	ug/L	J	J	2	10
HAA019D	9/18/2013	CHROMIUM	4.8	ug/L	J	J	2	10
HAA019C	9/24/2013	CHROMIUM	4.25	ug/L	J	J	2	10
HAA021C	9/19/2013	CHROMIUM	3.96	ug/L	J	J	2	10
HAA 8B	3/7/2013	CHROMIUM	3.92	ug/L	J	J	1	5
HAA 12C	9/11/2013	CHROMIUM	3.7	ug/L	J	J	2	10
HAA 2B	9/12/2013	CHROMIUM	3.69	ug/L	J	J	2	10
HAA018C	9/23/2013	CHROMIUM	3.42	ug/L	J	J	2	10
HAA 10C	9/11/2013	CHROMIUM	3.23	ug/L	J	J	2	10
HAA 14B	9/16/2013	CHROMIUM	3.23	ug/L	J	J	2	10
HAA 4C	9/16/2013	CHROMIUM	3.17	ug/L	J	J	2	10
HAA 7B	9/12/2013	CHROMIUM	3.02	ug/L	J	J	2	10
HAA017D	9/23/2013	CHROMIUM	2.95	ug/L	J	J	2	10
HAA 10B	9/11/2013	CHROMIUM	2.85	ug/L	J	J	2	10
HAA 10B	9/11/2013	CHROMIUM	2.84	ug/L	J	J	2	10
HAA018C	9/23/2013	CHROMIUM	2.74	ug/L	J	J	2	10
HAA 9B	9/11/2013	CHROMIUM	2.58	ug/L	J	J	2	10
HAA 8B	9/11/2013	CHROMIUM	2.44	ug/L	J	J	2	10
HAA 15C	9/17/2013	CHROMIUM	2.38	ug/L	J	J	2	10
HAA 4B	9/17/2013	CHROMIUM	2.2	ug/L	J	J	2	10
HAA 11B	9/12/2013	CHROMIUM	2.06	ug/L	J	J	2	10
HAA017C	1/14/2013	COBALT-60	1.1	pCi/L	U	U	5.42	11.9
HAA017D	1/9/2013	COBALT-60	-0.0746	pCi/L	U	U	3.57	7.21
HAA017D	1/9/2013	COBALT-60	-0.56	pCi/L	U	U	4.3	10
HAA017C	1/14/2013	COBALT-60	-3.01	pCi/L	U	U	5.63	12.4
HAA017C	1/14/2013	CURIUM-242	0.00528	pCi/L	U	U	0.0626	0.129
HAA017D	1/9/2013	CURIUM-242	0	pCi/L	U	U	0.0321	0.079
HAA017D	1/9/2013	CURIUM-242	0	pCi/L	U	U	0.0344	0.085
HAA017C	1/14/2013	CURIUM-243/244	0.0385	pCi/L	U	U	0.0845	0.194
HAA017D	1/9/2013	CURIUM-243/244	0.019	pCi/L	U	U	0.084	0.178
HAA017D	1/9/2013	CURIUM-243/244	-0.0212	pCi/L	U	U	0.0916	0.154
HAA017C	1/14/2013	CURIUM-245/246	0.0237	pCi/L	U	U	0.0355	0.119
HAA017D	1/9/2013	CURIUM-245/246	0.0233	pCi/L	U	U	0.0349	0.117
HAA017D	1/9/2013	CURIUM-245/246	0	pCi/L	U	U	0.0374	0.092
HAA 4D	3/11/2013	GROSS ALPHA	15.9	pCi/L			0.9	4.7
HAA 4D	9/16/2013	GROSS ALPHA	6.41	pCi/L	J	J	2.96	8.2
HAA 7D	3/12/2013	GROSS ALPHA	5.7	pCi/L			0.6	2.8
HAA 10B	9/11/2013	GROSS ALPHA	3.94	pCi/L	J	J	2.95	7.27
HAA017D	1/9/2013	GROSS ALPHA	3.9	pCi/L	J	J	2.58	7.06
HAA 9D	9/11/2013	GROSS ALPHA	3.7	pCi/L	J	J	1.86	5.54
HAA 7C	9/12/2013	GROSS ALPHA	2.86	pCi/L	U	U	2.87	6.87

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 8C	9/11/2013	GROSS ALPHA	2.51	pCi/L	J	J	1.45	4.17
HAA 1D	9/11/2013	GROSS ALPHA	2.45	pCi/L	J	J	2.12	5.68
HAA 14B	9/16/2013	GROSS ALPHA	2.41	pCi/L	U	U	2.9	6.8
HAA 12C	9/11/2013	GROSS ALPHA	2.34	pCi/L	J	J	1.81	4.85
HAA 10D	9/11/2013	GROSS ALPHA	2.32	pCi/L	J	J	1.43	4.17
HAA 4B	4/18/2013	GROSS ALPHA	2.3	pCi/L		J	0.97	2.65
HAA 12B	9/11/2013	GROSS ALPHA	1.95	pCi/L	J	J	1.61	4.33
HAA 10D	3/7/2013	GROSS ALPHA	1.88	pCi/L		J	0.74	2.2
HAA 2C	9/12/2013	GROSS ALPHA	1.87	pCi/L	U	U	2.84	6.4
HAA 13D	3/11/2013	GROSS ALPHA	1.84	pCi/L		J	0.84	2.36
HAA 12C	3/11/2013	GROSS ALPHA	1.71	pCi/L		J	0.61	1.93
HAA020D	9/17/2013	GROSS ALPHA	1.65	pCi/L	U	U	2.97	6.57
HAA 1A	3/7/2013	GROSS ALPHA	1.64	pCi/L		J	1	2.68
HAA 7D	9/12/2013	GROSS ALPHA	1.62	pCi/L	U	U	2.95	6.53
HAA017C	3/14/2013	GROSS ALPHA	1.6	pCi/L		J	0.89	2.41
HAA017C	1/14/2013	GROSS ALPHA	1.6	pCi/L	U	U	1.63	4.19
HAA 8D	9/11/2013	GROSS ALPHA	1.59	pCi/L	U	U	2.64	5.94
HAA020C	3/14/2013	GROSS ALPHA	1.56	pCi/L		J	0.94	2.5
HAA020D	3/14/2013	GROSS ALPHA	1.55	pCi/L		J	1.1	2.74
HAA 13D	3/11/2013	GROSS ALPHA	1.54	pCi/L		J	0.97	2.55
HAA 7C	3/12/2013	GROSS ALPHA	1.52	pCi/L		J	1.1	2.78
HAA 8C	3/7/2013	GROSS ALPHA	1.49	pCi/L		J	0.79	2.15
HAA017D	3/25/2013	GROSS ALPHA	1.44	pCi/L		J	0.86	2.3
HAA 1A	3/7/2013	GROSS ALPHA	1.35	pCi/L		J	1.1	2.78
HAA 4B	4/18/2013	GROSS ALPHA	1.34	pCi/L		J	1.1	2.7
HAA020C	3/14/2013	GROSS ALPHA	1.25	pCi/L		J	0.99	2.49
HAA 14D	3/11/2013	GROSS ALPHA	1.23	pCi/L		J	0.67	1.85
HAA 15C	9/17/2013	GROSS ALPHA	1.21	pCi/L	U	U	2.81	6.09
HAA018C	9/23/2013	GROSS ALPHA	1.21	pCi/L	U	U	2.71	5.89
HAA 15B	9/17/2013	GROSS ALPHA	1.18	pCi/L	U	U	2.89	6.23
HAA 14C	3/11/2013	GROSS ALPHA	1.17	pCi/L	U	U	1.74	4.12
HAA 11C	9/11/2013	GROSS ALPHA	1.16	pCi/L	U	U	2.54	5.54
HAA 9B	9/11/2013	GROSS ALPHA	1.15	pCi/L	U	U	2.2	4.94
HAA 4C	9/16/2013	GROSS ALPHA	1.1	pCi/L	U	U	2.79	5.97
HAA 14D	9/16/2013	GROSS ALPHA	1.09	pCi/L	U	U	2.75	5.89
HAA017C	9/23/2013	GROSS ALPHA	1.09	pCi/L	U	U	2.3	5.02
HAA 2D	3/12/2013	GROSS ALPHA	1.08	pCi/L		J	0.91	2.23
HAA 1C	3/7/2013	GROSS ALPHA	1.04	pCi/L		J	0.77	2.01
HAA017C	1/14/2013	GROSS ALPHA	1.04	pCi/L	U	U	2.02	4.5
HAA 15C	3/12/2013	GROSS ALPHA	0.97	pCi/L		J	0.84	2.08
HAA 1D	3/7/2013	GROSS ALPHA	0.94	pCi/L		J	0.55	1.41
HAA 14D	9/16/2013	GROSS ALPHA	0.886	pCi/L	U	U	2.83	5.95
HAA 14B	3/11/2013	GROSS ALPHA	0.87	pCi/L	U	U	1.1	2.62
HAA 8D	3/7/2013	GROSS ALPHA	0.85	pCi/L		J	0.83	2.01
HAA017D	9/23/2013	GROSS ALPHA	0.845	pCi/L	U	U	2.26	4.82
HAA 2B	9/12/2013	GROSS ALPHA	0.842	pCi/L	U	U	2.82	6.02
HAA 2C	3/7/2013	GROSS ALPHA	0.84	pCi/L		J	0.53	1.47
HAA 9B	3/7/2013	GROSS ALPHA	0.83	pCi/L	U	U	1.4	3.14
HAA 10B	9/11/2013	GROSS ALPHA	0.784	pCi/L	U	U	1.51	3.4
HAA 4B	9/17/2013	GROSS ALPHA	0.78	pCi/L	U	U	2.94	6.14
HAA021D	9/18/2013	GROSS ALPHA	0.773	pCi/L	U	U	2.99	6.27
HAA 15D	3/12/2013	GROSS ALPHA	0.77	pCi/L	U	U	0.82	1.96
HAA 10C	3/7/2013	GROSS ALPHA	0.76	pCi/L	U	U	0.94	2.2
HAA 11C	3/7/2013	GROSS ALPHA	0.76	pCi/L	U	U	0.8	1.94
HAA019D	3/14/2013	GROSS ALPHA	0.73	pCi/L	U	U	1.1	2.48
HAA 9C	3/7/2013	GROSS ALPHA	0.68	pCi/L	U	U	0.98	2.26
HAA 11B	9/12/2013	GROSS ALPHA	0.623	pCi/L	U	U	2.99	6.31

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 10B	3/7/2013	GROSS ALPHA	0.58	pCi/L	U	U	1.3	2.84
HAA 14C	9/16/2013	GROSS ALPHA	0.57	pCi/L	U	U	1.1	2.5
HAA 11D	3/7/2013	GROSS ALPHA	0.56	pCi/L	U	U	0.69	1.65
HAA 11C	9/11/2013	GROSS ALPHA	0.537	pCi/L	U	U	2.55	5.31
HAA019C	9/24/2013	GROSS ALPHA	0.537	pCi/L	U	U	2.86	5.92
HAA 13D	9/11/2013	GROSS ALPHA	0.522	pCi/L	U	U	2.12	4.34
HAA 7B	3/12/2013	GROSS ALPHA	0.51	pCi/L	U	U	1	2.26
HAA 12D	3/11/2013	GROSS ALPHA	0.49	pCi/L	U	U	0.62	1.48
HAA018D	3/19/2013	GROSS ALPHA	0.48	pCi/L	U	U	1	2.26
HAA 15D	9/17/2013	GROSS ALPHA	0.47	pCi/L	U	U	2.99	6.11
HAA 11B	3/7/2013	GROSS ALPHA	0.45	pCi/L	U	U	1.1	2.4
HAA 13C	3/11/2013	GROSS ALPHA	0.43	pCi/L	U	U	0.86	1.92
HAA 9D	3/7/2013	GROSS ALPHA	0.38	pCi/L	U	U	0.8	1.78
HAA 1A	9/11/2013	GROSS ALPHA	0.354	pCi/L	U	U	2.84	5.7
HAA020D	9/17/2013	GROSS ALPHA	0.354	pCi/L	U	U	2.77	5.63
HAA 14C	3/11/2013	GROSS ALPHA	0.34	pCi/L	U	U	0.76	1.7
HAA 7B	9/12/2013	GROSS ALPHA	0.338	pCi/L	U	U	2.79	5.59
HAA 4C	3/18/2013	GROSS ALPHA	0.33	pCi/L	U	U	1.4	2.98
HAA 1C	9/11/2013	GROSS ALPHA	0.328	pCi/L	U	U	2.81	5.65
HAA020C	9/17/2013	GROSS ALPHA	0.326	pCi/L	U	U	2.94	5.94
HAA021D	3/18/2013	GROSS ALPHA	0.32	pCi/L	U	U	0.87	1.89
HAA 15B	3/12/2013	GROSS ALPHA	0.31	pCi/L	U	U	0.9	1.94
HAA 9C	9/11/2013	GROSS ALPHA	0.309	pCi/L	U	U	3.03	6.15
HAA018C	3/19/2013	GROSS ALPHA	0.28	pCi/L	U	U	0.82	1.78
HAA021C	3/18/2013	GROSS ALPHA	0.21	pCi/L	U	U	0.81	1.73
HAA 12D	9/12/2013	GROSS ALPHA	0.186	pCi/L	U	U	2.91	5.87
HAA 14C	9/16/2013	GROSS ALPHA	0.185	pCi/L	U	U	2.84	5.54
HAA 13B	3/11/2013	GROSS ALPHA	0.17	pCi/L	U	U	1.2	2.46
HAA 2B	3/7/2013	GROSS ALPHA	0.14	pCi/L	U	U	1	2.1
HAA018C	3/19/2013	GROSS ALPHA	0.14	pCi/L	U	U	0.87	1.83
HAA 8B	3/7/2013	GROSS ALPHA	0.1	pCi/L	U	U	0.92	1.88
HAA018D	9/23/2013	GROSS ALPHA	0.0774	pCi/L	U	U	2.49	4.93
HAA 10B	3/7/2013	GROSS ALPHA	0.04	pCi/L	U	U	1.3	2.64
HAA019C	9/24/2013	GROSS ALPHA	0.0219	pCi/L	U	U	2.88	5.78
HAA 8B	9/11/2013	GROSS ALPHA	0.02	pCi/L	U	U	0.98	2.06
HAA 11D	9/11/2013	GROSS ALPHA	-0.00872	pCi/L	U	U	3.34	6.62
HAA 12B	3/11/2013	GROSS ALPHA	-0.06	pCi/L	U	U	0.92	1.8
HAA019C	3/14/2013	GROSS ALPHA	-0.13	pCi/L	U	U	1	2
HAA 8B	3/7/2013	GROSS ALPHA	-0.203	pCi/L	U	U	2.05	3.43
HAA021C	9/19/2013	GROSS ALPHA	-0.215	pCi/L	U	U	2.91	5.79
HAA 13B	9/12/2013	GROSS ALPHA	-0.217	pCi/L	U	U	2.98	5.64
HAA019D	9/18/2013	GROSS ALPHA	-0.241	pCi/L	U	U	2.87	5.51
HAA 2D	9/12/2013	GROSS ALPHA	-0.327	pCi/L	U	U	2.92	5.5
HAA 10C	9/11/2013	GROSS ALPHA	-0.338	pCi/L	U	U	2.85	5.53
HAA018D	9/23/2013	GROSS ALPHA	-0.504	pCi/L	U	U	2.37	4.49
HAA018C	9/23/2013	GROSS ALPHA	-0.808	pCi/L	U	U	2.59	4.81
HAA 8B	9/11/2013	GROSS ALPHA	-0.872	pCi/L	U	U	2.58	4.64
HAA 13C	9/11/2013	GROSS ALPHA	-1.1	pCi/L	U	U	2.78	4.94
HAA017C	1/14/2013	IODINE-129	0.0811	pCi/L	U	U	0.816	1.64
HAA017C	1/14/2013	IODINE-129	-0.167	pCi/L	U	U	1	2.08
HAA017D	1/9/2013	IODINE-129	-0.248	pCi/L	U	U	1.01	2.19
HAA017D	1/9/2013	IODINE-129	-0.391	pCi/L	U	U	0.939	2.05
HAA017D	1/9/2013	LEAD	1.7	ug/L	J	J	0.5	5
HAA017D	1/9/2013	LEAD	1.66	ug/L	J	J	0.5	5
HAA017C	1/14/2013	LEAD	0.814	ug/L	J	J	0.5	5
HAA017D	1/9/2013	LEAD-212	4.85	pCi/L	U	U	7.1	17.8
HAA017D	1/9/2013	LEAD-212	4.23	pCi/L	U	U	6	19.1

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HAA017C	1/14/2013	LEAD-212	-0.51	pCi/L	U	U	12.8	28.8
HAA017C	1/14/2013	LEAD-212	-7.35	pCi/L	U	U	10.9	25.8
HAA017C	1/14/2013	LEAD-214	281	pCi/L			13.1	59.7
HAA017C	1/14/2013	LEAD-214	258	pCi/L			11.3	49.3
HAA017D	1/9/2013	LEAD-214	38.8	pCi/L			7.81	26.7
HAA017D	1/9/2013	LEAD-214	37.1	pCi/L			8.57	29.8
HAA017C	9/23/2013	MANGANESE	1280	ug/L			5	25
HAA019D	3/14/2013	MANGANESE	996	ug/L			1	10
HAA018D	9/23/2013	MANGANESE	680	ug/L			5	25
HAA018D	9/23/2013	MANGANESE	663	ug/L			1	5
HAA019D	9/18/2013	MANGANESE	581	ug/L			1	5
HAA018D	3/19/2013	MANGANESE	565	ug/L			1	10
HAA018D	3/19/2013	MANGANESE	562	ug/L			1	10
HAA017C	3/14/2013	MANGANESE	558	ug/L			1	10
HAA018C	3/19/2013	MANGANESE	456	ug/L			1	10
HAA018C	3/19/2013	MANGANESE	455	ug/L			1	10
HAA 10D	3/7/2013	MANGANESE	429	ug/L			1	10
HAA 10D	9/11/2013	MANGANESE	351	ug/L			1	5
HAA018C	9/23/2013	MANGANESE	188	ug/L			1	5
HAA018C	9/23/2013	MANGANESE	186	ug/L			1	5
HAA 8D	9/11/2013	MANGANESE	182	ug/L			1	5
HAA017C	1/14/2013	MANGANESE	152	ug/L			1	10
HAA020C	3/14/2013	MANGANESE	62.2	ug/L			1	10
HAA020C	3/14/2013	MANGANESE	61.7	ug/L			1	10
HAA021C	3/18/2013	MANGANESE	60.3	ug/L			1	10
HAA 8B	3/7/2013	MANGANESE	50	ug/L	U	U	10	50
HAA021D	9/18/2013	MANGANESE	43.9	ug/L			1	5
HAA017D	9/23/2013	MANGANESE	39.9	ug/L			1	5
HAA 8C	9/11/2013	MANGANESE	39.1	ug/L			1	5
HAA021C	9/19/2013	MANGANESE	38.3	ug/L			1	5
HAA 1C	3/7/2013	MANGANESE	36.2	ug/L			1	10
HAA017D	3/25/2013	MANGANESE	33.9	ug/L			1	10
HAA 1C	9/11/2013	MANGANESE	33.7	ug/L			1	5
HAA021D	3/18/2013	MANGANESE	33.7	ug/L			1	10
HAA 8C	3/7/2013	MANGANESE	32.9	ug/L			1	10
HAA 4D	3/11/2013	MANGANESE	31.8	ug/L			1	10
HAA 7C	3/12/2013	MANGANESE	31.3	ug/L			1	10
HAA 4D	9/16/2013	MANGANESE	30.8	ug/L			1	5
HAA017D	1/9/2013	MANGANESE	28	ug/L			1	10
HAA020C	9/17/2013	MANGANESE	27.6	ug/L			1	5
HAA017D	1/9/2013	MANGANESE	26.8	ug/L			1	10
HAA 11C	9/11/2013	MANGANESE	25	ug/L	U	U	5	25
HAA 15C	9/17/2013	MANGANESE	22.3	ug/L	J	J	5	25
HAA 15C	9/17/2013	MANGANESE	22.1	ug/L			1	5
HAA 12C	9/11/2013	MANGANESE	21.2	ug/L			1	5
HAA 15B	3/12/2013	MANGANESE	19.7	ug/L			1	10
HAA020D	3/14/2013	MANGANESE	18.5	ug/L			1	10
HAA 2C	3/7/2013	MANGANESE	17.7	ug/L			1	10
HAA 2C	9/12/2013	MANGANESE	17.4	ug/L			1	5
HAA 15C	3/12/2013	MANGANESE	17.3	ug/L			1	10
HAA 7C	9/12/2013	MANGANESE	14.2	ug/L			1	5
HAA 12C	3/11/2013	MANGANESE	14.1	ug/L			1	10
HAA020D	9/17/2013	MANGANESE	13.7	ug/L	J	J	5	25
HAA020D	9/17/2013	MANGANESE	13.4	ug/L			1	5
HAA 1A	3/7/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 1A	3/7/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 2B	3/7/2013	MANGANESE	10	ug/L	U	U	1	10

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 4C	3/18/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 4C	3/18/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 11B	3/7/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 12B	3/11/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 13B	3/11/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 14B	3/11/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 14C	3/11/2013	MANGANESE	10	ug/L	U	U	1	10
HAA 14C	3/11/2013	MANGANESE	10	ug/L	U	U	2	10
HAA 10C	9/11/2013	MANGANESE	9.45	ug/L			1	5
HAA 8D	3/7/2013	MANGANESE	8.92	ug/L	J	J	1	10
HAA 7B	3/12/2013	MANGANESE	8.77	ug/L	J	J	1	10
HAA019C	3/14/2013	MANGANESE	8.59	ug/L	J	J	1	10
HAA 9C	3/7/2013	MANGANESE	8.13	ug/L	J	J	1	10
HAA 10C	3/7/2013	MANGANESE	7.31	ug/L	J	J	1	10
HAA 7D	3/12/2013	MANGANESE	7.22	ug/L	J	J	1	10
HAA019C	9/24/2013	MANGANESE	6.9	ug/L			1	5
HAA019C	9/24/2013	MANGANESE	6.85	ug/L	J	J	5	25
HAA 7B	9/12/2013	MANGANESE	6.53	ug/L			1	5
HAA 1D	9/11/2013	MANGANESE	5.68	ug/L			1	5
HAA 13D	9/11/2013	MANGANESE	5.41	ug/L			1	5
HAA 13D	3/11/2013	MANGANESE	5.08	ug/L	J	J	1	10
HAA 1A	9/11/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 4C	9/16/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 9B	9/11/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 10B	9/11/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 10B	9/11/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 11B	9/12/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 14B	9/16/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 14C	9/16/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 15B	9/17/2013	MANGANESE	5	ug/L	U	U	1	5
HAA 7D	9/12/2013	MANGANESE	4.64	ug/L	J	J	1	5
HAA 4B	4/18/2013	MANGANESE	4.59	ug/L	J	J	1	10
HAA 9C	9/11/2013	MANGANESE	4.09	ug/L	J	J	1	5
HAA 9D	9/11/2013	MANGANESE	3.99	ug/L	J	J	1	5
HAA 9D	3/7/2013	MANGANESE	3.95	ug/L	J	J	1	10
HAA 2D	9/12/2013	MANGANESE	3.8	ug/L	J	J	1	5
HAA 4B	9/17/2013	MANGANESE	3.69	ug/L	J	J	1	5
HAA 11D	3/7/2013	MANGANESE	3.64	ug/L	J	J	1	10
HAA 13C	9/11/2013	MANGANESE	3.62	ug/L	J	J	1	5
HAA 2D	3/12/2013	MANGANESE	3.52	ug/L	J	J	1	10
HAA 2B	9/12/2013	MANGANESE	3.35	ug/L	J	J	1	5
HAA 2D	3/12/2013	MANGANESE	3.35	ug/L	J	J	1	10
HAA 8B	3/7/2013	MANGANESE	3.33	ug/L	J	J	1	10
HAA 8B	3/7/2013	MANGANESE	2.98	ug/L	J	J	2	10
HAA 1D	3/7/2013	MANGANESE	2.9	ug/L	J	J	1	10
HAA 8B	9/11/2013	MANGANESE	2.83	ug/L	J	J	1	5
HAA 11C	3/7/2013	MANGANESE	2.6	ug/L	J	J	1	10
HAA 8B	9/11/2013	MANGANESE	2.5	ug/L			0.24	2
HAA 11C	3/7/2013	MANGANESE	2.48	ug/L	J	J	1	10
HAA 14D	3/11/2013	MANGANESE	2.35	ug/L	J	J	1	10
HAA 11D	9/11/2013	MANGANESE	2.24	ug/L	J	J	1	5
HAA 14D	9/16/2013	MANGANESE	2.06	ug/L	J	J	1	5
HAA 9B	3/7/2013	MANGANESE	1.97	ug/L	J	J	1	10
HAA 15D	3/12/2013	MANGANESE	1.82	ug/L	J	J	1	10
HAA 15D	9/17/2013	MANGANESE	1.71	ug/L	J	J	1	5
HAA 10B	3/7/2013	MANGANESE	1.6	ug/L	J	J	1	10
HAA 12D	9/12/2013	MANGANESE	1.57	ug/L	J	J	1	5

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 10B	3/7/2013	MANGANESE	1.56	ug/L	J	J	1	10
HAA 11C	9/11/2013	MANGANESE	1.49	ug/L	J	J	1	5
HAA 12D	3/11/2013	MANGANESE	1.23	ug/L	J	J	1	10
HAA 12B	9/11/2013	MANGANESE	1.14	ug/L	J	J	1	5
HAA 13B	9/12/2013	MANGANESE	1.13	ug/L	J	J	1	5
HAA 13C	3/11/2013	MANGANESE	1.08	ug/L	J	J	1	10
HAA 14C	9/16/2013	MANGANESE	0.45	ug/L	J	J	0.24	2
HAA017C	1/14/2013	MERCURY	0.2	ug/L	U	U	0.02	0.2
HAA017D	1/9/2013	MERCURY	0.2	ug/L	U	U	0.02	0.2
HAA017C	1/14/2013	NEPTUNIUM-237	0.0416	pCi/L	U	U	0.199	0.429
HAA017D	1/9/2013	NEPTUNIUM-237	0.0101	pCi/L	U	U	0.244	0.474
HAA017D	1/9/2013	NEPTUNIUM-237	-0.0145	pCi/L	U	U	0.243	0.443
HAA017C	1/14/2013	NICKEL-59	1.19	pCi/L	U	U	11.9	24.9
HAA017D	1/9/2013	NICKEL-59	-4.6	pCi/L	U	U	5.4	12
HAA017D	1/9/2013	NICKEL-59	-10.2	pCi/L	U	U	13.4	29.8
HAA017D	1/9/2013	NICKEL-63	21.4	pCi/L	U	U	36.9	80.9
HAA017D	1/9/2013	NICKEL-63	17.7	pCi/L	U	U	37.1	81.1
HAA017C	1/14/2013	NICKEL-63	16.6	pCi/L	U	U	36.4	79.4
HAA 4D	3/11/2013	NITRATE-NITRITE AS NITROGEN	8.5	mg/L			0.062	0.5
HAA 4D	9/16/2013	NITRATE-NITRITE AS NITROGEN	7.91	mg/L			0.17	0.5
HAA 12C	3/11/2013	NITRATE-NITRITE AS NITROGEN	3.8	mg/L			0.012	0.1
HAA 11D	9/11/2013	NITRATE-NITRITE AS NITROGEN	3.46	mg/L			0.17	0.5
HAA 12C	9/11/2013	NITRATE-NITRITE AS NITROGEN	3.3	mg/L			0.17	0.5
HAA 11D	3/7/2013	NITRATE-NITRITE AS NITROGEN	2.9	mg/L			0.012	0.1
HAA 8D	9/11/2013	NITRATE-NITRITE AS NITROGEN	2.61	mg/L			0.17	0.5
HAA 7D	3/12/2013	NITRATE-NITRITE AS NITROGEN	2.4	mg/L			0.012	0.1
HAA 8C	3/7/2013	NITRATE-NITRITE AS NITROGEN	2.2	mg/L		J	0.012	0.1
HAA 14D	3/11/2013	NITRATE-NITRITE AS NITROGEN	2.2	mg/L			0.012	0.1
HAA 10C	3/7/2013	NITRATE-NITRITE AS NITROGEN	2.1	mg/L		J	0.0062	0.05
HAA 12D	9/12/2013	NITRATE-NITRITE AS NITROGEN	2.07	mg/L			0.17	0.5
HAA 8C	9/11/2013	NITRATE-NITRITE AS NITROGEN	2.02	mg/L			0.17	0.5
HAA 13D	9/11/2013	NITRATE-NITRITE AS NITROGEN	2.02	mg/L			0.17	0.5
HAA021D	9/18/2013	NITRATE-NITRITE AS NITROGEN	2.01	mg/L			0.17	0.5
HAA 12D	3/11/2013	NITRATE-NITRITE AS NITROGEN	2	mg/L			0.0062	0.05
HAA021D	3/18/2013	NITRATE-NITRITE AS NITROGEN	2	mg/L			0.012	0.1
HAA017D	1/9/2013	NITRATE-NITRITE AS NITROGEN	1.82	mg/L			0.085	0.25
HAA017D	3/25/2013	NITRATE-NITRITE AS NITROGEN	1.8	mg/L			0.0062	0.05
HAA 15C	9/17/2013	NITRATE-NITRITE AS NITROGEN	1.73	mg/L			0.085	0.25
HAA 9D	9/11/2013	NITRATE-NITRITE AS NITROGEN	1.63	mg/L			0.17	0.5
HAA 7D	9/12/2013	NITRATE-NITRITE AS NITROGEN	1.62	mg/L			0.085	0.25
HAA 13D	3/11/2013	NITRATE-NITRITE AS NITROGEN	1.6	mg/L			0.012	0.1
HAA 14D	9/16/2013	NITRATE-NITRITE AS NITROGEN	1.6	mg/L			0.085	0.25
HAA 15D	3/12/2013	NITRATE-NITRITE AS NITROGEN	1.6	mg/L			0.012	0.1
HAA 15D	9/17/2013	NITRATE-NITRITE AS NITROGEN	1.57	mg/L			0.085	0.25
HAA 8D	3/7/2013	NITRATE-NITRITE AS NITROGEN	1.5	mg/L		J	0.012	0.1
HAA 9D	3/7/2013	NITRATE-NITRITE AS NITROGEN	1.5	mg/L		J	0.0031	0.025
HAA020D	3/14/2013	NITRATE-NITRITE AS NITROGEN	1.5	mg/L			0.012	0.1
HAA 9C	9/11/2013	NITRATE-NITRITE AS NITROGEN	1.44	mg/L			0.17	0.5
HAA 15C	9/17/2013	NITRATE-NITRITE AS NITROGEN	1.44	mg/L			0.085	0.25
HAA 10C	9/11/2013	NITRATE-NITRITE AS NITROGEN	1.42	mg/L			0.017	0.05
HAA 9C	3/7/2013	NITRATE-NITRITE AS NITROGEN	1.4	mg/L			0.0062	0.05
HAA 15C	3/12/2013	NITRATE-NITRITE AS NITROGEN	1.4	mg/L			0.0062	0.05
HAA021C	9/19/2013	NITRATE-NITRITE AS NITROGEN	1.34	mg/L			0.085	0.25
HAA 15B	9/17/2013	NITRATE-NITRITE AS NITROGEN	1.33	mg/L			0.085	0.25
HAA020D	9/17/2013	NITRATE-NITRITE AS NITROGEN	1.31	mg/L			0.085	0.25
HAA021C	3/18/2013	NITRATE-NITRITE AS NITROGEN	1.3	mg/L			0.012	0.1
HAA 15B	3/12/2013	NITRATE-NITRITE AS NITROGEN	1.2	mg/L			0.0062	0.05

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA018D	3/19/2013	NITRATE-NITRITE AS NITROGEN	1.2	mg/L			0.0031	0.025
HAA 11C	3/7/2013	NITRATE-NITRITE AS NITROGEN	1.1	mg/L			0.0031	0.025
HAA017D	9/23/2013	NITRATE-NITRITE AS NITROGEN	1.05	mg/L			0.017	0.05
HAA 11B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.88	mg/L			0.0031	0.025
HAA019D	9/18/2013	NITRATE-NITRITE AS NITROGEN	0.877	mg/L			0.17	0.5
HAA 10B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.85	mg/L		J	0.0031	0.025
HAA 10B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.85	mg/L		J	0.0031	0.025
HAA 11C	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.837	mg/L			0.17	0.5
HAA020C	9/17/2013	NITRATE-NITRITE AS NITROGEN	0.822	mg/L			0.017	0.05
HAA019D	3/14/2013	NITRATE-NITRITE AS NITROGEN	0.82	mg/L			0.012	0.1
HAA 11C	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.818	mg/L			0.17	0.5
HAA019C	3/14/2013	NITRATE-NITRITE AS NITROGEN	0.77	mg/L			0.0031	0.025
HAA 11B	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.734	mg/L			0.017	0.05
HAA 10B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.727	mg/L			0.017	0.05
HAA 10B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.716	mg/L			0.017	0.05
HAA020C	3/14/2013	NITRATE-NITRITE AS NITROGEN	0.69	mg/L			0.0031	0.025
HAA020C	3/14/2013	NITRATE-NITRITE AS NITROGEN	0.68	mg/L			0.0031	0.025
HAA 1D	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.664	mg/L			0.017	0.05
HAA019C	9/24/2013	NITRATE-NITRITE AS NITROGEN	0.655	mg/L			0.085	0.25
HAA 2D	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.626	mg/L			0.017	0.05
HAA 2C	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.56	mg/L			0.0031	0.025
HAA 2D	3/12/2013	NITRATE-NITRITE AS NITROGEN	0.52	mg/L			0.0031	0.025
HAA 2C	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.506	mg/L			0.017	0.05
HAA 14C	9/16/2013	NITRATE-NITRITE AS NITROGEN	0.5	mg/L			0.0031	0.025
HAA 14C	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.492	mg/L			0.017	0.05
HAA 14C	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.491	mg/L			0.017	0.05
HAA 14C	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.48	mg/L			0.0031	0.025
HAA 4B	9/17/2013	NITRATE-NITRITE AS NITROGEN	0.471	mg/L			0.017	0.05
HAA 10D	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.45	mg/L		J	0.0031	0.025
HAA 14C	9/16/2013	NITRATE-NITRITE AS NITROGEN	0.443	mg/L			0.017	0.05
HAA 13C	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.44	mg/L			0.0031	0.025
HAA 4C	3/18/2013	NITRATE-NITRITE AS NITROGEN	0.4	mg/L			0.0031	0.025
HAA 4C	9/16/2013	NITRATE-NITRITE AS NITROGEN	0.362	mg/L			0.017	0.05
HAA 13C	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.335	mg/L			0.017	0.05
HAA018D	9/23/2013	NITRATE-NITRITE AS NITROGEN	0.331	mg/L			0.017	0.05
HAA 4B	4/18/2013	NITRATE-NITRITE AS NITROGEN	0.33	mg/L		J	0.0031	0.025
HAA 1D	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.27	mg/L		J	0.0031	0.025
HAA 10D	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.207	mg/L			0.017	0.05
HAA 14B	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.19	mg/L			0.0031	0.025
HAA 14B	9/16/2013	NITRATE-NITRITE AS NITROGEN	0.152	mg/L			0.017	0.05
HAA 9B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.14	mg/L			0.0031	0.025
HAA 13B	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.13	mg/L			0.0031	0.025
HAA017C	1/14/2013	NITRATE-NITRITE AS NITROGEN	0.126	mg/L			0.017	0.05
HAA017C	1/14/2013	NITRATE-NITRITE AS NITROGEN	0.126	mg/L			0.017	0.05
HAA 8B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.12	mg/L			0.0031	0.025
HAA 12B	3/11/2013	NITRATE-NITRITE AS NITROGEN	0.12	mg/L			0.0031	0.025
HAA 9B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.113	mg/L			0.017	0.05
HAA017C	3/14/2013	NITRATE-NITRITE AS NITROGEN	0.11	mg/L			0.0031	0.025
HAA 7B	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.103	mg/L			0.017	0.05
HAA018C	9/23/2013	NITRATE-NITRITE AS NITROGEN	0.0973	mg/L			0.017	0.05
HAA017C	9/23/2013	NITRATE-NITRITE AS NITROGEN	0.0965	mg/L			0.017	0.05
HAA018C	9/23/2013	NITRATE-NITRITE AS NITROGEN	0.096	mg/L			0.017	0.05
HAA018C	3/19/2013	NITRATE-NITRITE AS NITROGEN	0.088	mg/L			0.0031	0.025
HAA 13B	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.0864	mg/L			0.017	0.05
HAA 13B	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.0836	mg/L			0.017	0.05
HAA018C	3/19/2013	NITRATE-NITRITE AS NITROGEN	0.083	mg/L			0.0031	0.025
HAA 2B	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.0751	mg/L			0.017	0.05

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 2B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.075	mg/L			0.0031	0.025
HAA 8B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.073	mg/L		J	0.0031	0.025
HAA 12B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.0713	mg/L			0.017	0.05
HAA 7B	3/12/2013	NITRATE-NITRITE AS NITROGEN	0.071	mg/L			0.0031	0.025
HAA 8B	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.0649	mg/L			0.017	0.05
HAA 8B	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.0569	mg/L			0.017	0.05
HAA 1C	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.05	mg/L	U	U	0.017	0.05
HAA 1C	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.05	mg/L	U	U	0.017	0.05
HAA 1A	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.048	mg/L		J	0.0031	0.025
HAA 1A	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.041	mg/L		J	0.0031	0.025
HAA 7C	3/12/2013	NITRATE-NITRITE AS NITROGEN	0.038	mg/L			0.0031	0.025
HAA 1A	9/11/2013	NITRATE-NITRITE AS NITROGEN	0.036	mg/L	J	J	0.017	0.05
HAA 7C	9/12/2013	NITRATE-NITRITE AS NITROGEN	0.0271	mg/L	J	J	0.017	0.05
HAA 1C	3/7/2013	NITRATE-NITRITE AS NITROGEN	0.0084	mg/L	J	J	0.0031	0.025
HAA 4D	3/11/2013	NONVOLATILE BETA	24.6	pCi/L			1.3	4.9
HAA 4D	9/16/2013	NONVOLATILE BETA	21.3	pCi/L			1.91	7.93
HAA 15C	9/17/2013	NONVOLATILE BETA	7.19	pCi/L			1.89	5.43
HAA 12C	9/11/2013	NONVOLATILE BETA	7.07	pCi/L			2.59	6.69
HAA 10D	9/11/2013	NONVOLATILE BETA	6.99	pCi/L			2.6	6.76
HAA 15C	3/12/2013	NONVOLATILE BETA	6.3	pCi/L			1	3
HAA 7D	3/12/2013	NONVOLATILE BETA	4.9	pCi/L			1	2.8
HAA 10D	3/7/2013	NONVOLATILE BETA	4.44	pCi/L			0.9	2.62
HAA 12B	9/11/2013	NONVOLATILE BETA	3.58	pCi/L	J	J	2.39	5.75
HAA 11B	9/12/2013	NONVOLATILE BETA	3.5	pCi/L	J	J	2.33	5.61
HAA020D	9/17/2013	NONVOLATILE BETA	3.32	pCi/L	J	J	2.66	6.26
HAA 7C	9/12/2013	NONVOLATILE BETA	3.06	pCi/L	J	J	2.6	6.1
HAA 1D	9/11/2013	NONVOLATILE BETA	2.48	pCi/L	U	U	2.91	6.57
HAA 7D	9/12/2013	NONVOLATILE BETA	2.23	pCi/L	J	J	2.02	4.78
HAA 12D	3/11/2013	NONVOLATILE BETA	2.1	pCi/L		J	0.91	2.29
HAA 14D	9/16/2013	NONVOLATILE BETA	2.06	pCi/L	U	U	2.36	5.44
HAA017C	9/23/2013	NONVOLATILE BETA	2	pCi/L	U	U	2.46	5.52
HAA017C	1/14/2013	NONVOLATILE BETA	1.9	pCi/L	U	U	3.54	7.76
HAA018C	9/23/2013	NONVOLATILE BETA	1.8	pCi/L	U	U	2.5	5.58
HAA 8C	9/11/2013	NONVOLATILE BETA	1.69	pCi/L	U	U	2.37	5.31
HAA 9B	9/11/2013	NONVOLATILE BETA	1.67	pCi/L	U	U	2.4	5.36
HAA 7C	3/12/2013	NONVOLATILE BETA	1.61	pCi/L		J	0.97	2.37
HAA 12C	3/11/2013	NONVOLATILE BETA	1.6	pCi/L		J	0.64	1.76
HAA 4B	9/17/2013	NONVOLATILE BETA	1.57	pCi/L	U	U	1.99	4.51
HAA 4B	4/18/2013	NONVOLATILE BETA	1.47	pCi/L		J	0.78	1.86
HAA 11C	9/11/2013	NONVOLATILE BETA	1.46	pCi/L	U	U	2.09	4.69
HAA 10B	9/11/2013	NONVOLATILE BETA	1.43	pCi/L	U	U	2.13	4.73
HAA 4B	4/18/2013	NONVOLATILE BETA	1.41	pCi/L		J	0.68	1.66
HAA 11B	3/7/2013	NONVOLATILE BETA	1.4	pCi/L		J	0.89	2.15
HAA 12D	9/12/2013	NONVOLATILE BETA	1.33	pCi/L	U	U	2.55	5.61
HAA019D	3/14/2013	NONVOLATILE BETA	1.3	pCi/L		J	0.97	2.31
HAA 9B	3/7/2013	NONVOLATILE BETA	1.29	pCi/L		J	0.82	2.02
HAA 13D	9/11/2013	NONVOLATILE BETA	1.17	pCi/L	U	U	2.5	5.46
HAA 13D	3/11/2013	NONVOLATILE BETA	1.16	pCi/L		J	0.92	2.22
HAA 14D	3/11/2013	NONVOLATILE BETA	1.14	pCi/L		J	0.88	2.12
HAA 12B	3/11/2013	NONVOLATILE BETA	1.08	pCi/L		J	0.81	1.93
HAA 1A	9/11/2013	NONVOLATILE BETA	1.07	pCi/L	U	U	1.99	4.39
HAA 14C	3/11/2013	NONVOLATILE BETA	1.04	pCi/L	U	U	2.34	5.1
HAA017D	1/9/2013	NONVOLATILE BETA	1.04	pCi/L	U	U	3.61	7.75
HAA 1D	3/7/2013	NONVOLATILE BETA	1.02	pCi/L		J	0.58	1.4
HAA 1C	9/11/2013	NONVOLATILE BETA	1	pCi/L	U	U	1.86	4.16
HAA017C	3/14/2013	NONVOLATILE BETA	0.92	pCi/L		J	0.92	2.16
HAA017D	3/25/2013	NONVOLATILE BETA	0.88	pCi/L		J	0.83	1.97

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 7B	3/12/2013	NONVOLATILE BETA	0.86	pCi/L	U	U	0.89	2.07
HAA 10B	9/11/2013	NONVOLATILE BETA	0.826	pCi/L	U	U	2.78	5.96
HAA 8B	9/11/2013	NONVOLATILE BETA	0.77	pCi/L	J	J	0.7	1.6
HAA 2B	3/7/2013	NONVOLATILE BETA	0.74	pCi/L	U	U	0.94	2.14
HAA 8B	3/7/2013	NONVOLATILE BETA	0.71	pCi/L	U	U	0.86	1.96
HAA 8D	3/7/2013	NONVOLATILE BETA	0.7	pCi/L	U	U	1	2.28
HAA 13D	3/11/2013	NONVOLATILE BETA	0.7	pCi/L	U	U	0.92	2.14
HAA021C	3/18/2013	NONVOLATILE BETA	0.7	pCi/L	U	U	0.84	1.92
HAA 2D	3/12/2013	NONVOLATILE BETA	0.68	pCi/L	U	U	0.91	2.09
HAA020C	3/14/2013	NONVOLATILE BETA	0.68	pCi/L	U	U	0.96	2.2
HAA017C	1/14/2013	NONVOLATILE BETA	0.665	pCi/L	U	U	2.43	5.17
HAA021D	9/18/2013	NONVOLATILE BETA	0.662	pCi/L	U	U	2.02	4.34
HAA 8B	9/11/2013	NONVOLATILE BETA	0.658	pCi/L	U	U	2.43	5.19
HAA 10B	3/7/2013	NONVOLATILE BETA	0.64	pCi/L	U	U	0.95	2.13
HAA018D	9/23/2013	NONVOLATILE BETA	0.625	pCi/L	U	U	2.83	6.07
HAA 14C	9/16/2013	NONVOLATILE BETA	0.62	pCi/L	J	J	0.62	1.42
HAA018C	3/19/2013	NONVOLATILE BETA	0.61	pCi/L	U	U	1	2.24
HAA020D	3/14/2013	NONVOLATILE BETA	0.61	pCi/L	U	U	0.97	2.21
HAA018D	9/23/2013	NONVOLATILE BETA	0.6	pCi/L	U	U	2.58	5.52
HAA020C	9/17/2013	NONVOLATILE BETA	0.545	pCi/L	U	U	2.21	4.69
HAA018D	3/19/2013	NONVOLATILE BETA	0.54	pCi/L	U	U	0.96	2.16
HAA 11D	3/7/2013	NONVOLATILE BETA	0.52	pCi/L	U	U	0.81	1.83
HAA019C	3/14/2013	NONVOLATILE BETA	0.52	pCi/L	U	U	0.96	2.14
HAA 14D	9/16/2013	NONVOLATILE BETA	0.518	pCi/L	U	U	2.25	4.85
HAA 1A	3/7/2013	NONVOLATILE BETA	0.48	pCi/L	U	U	0.99	2.23
HAA 14B	3/11/2013	NONVOLATILE BETA	0.47	pCi/L	U	U	0.95	2.13
HAA 1C	3/7/2013	NONVOLATILE BETA	0.46	pCi/L	U	U	0.85	1.91
HAA021D	3/18/2013	NONVOLATILE BETA	0.45	pCi/L	U	U	0.87	1.95
HAA020C	3/14/2013	NONVOLATILE BETA	0.43	pCi/L	U	U	0.89	2.01
HAA021C	9/19/2013	NONVOLATILE BETA	0.43	pCi/L	U	U	2.45	5.21
HAA 10C	3/7/2013	NONVOLATILE BETA	0.41	pCi/L	U	U	0.9	2.02
HAA 13C	3/11/2013	NONVOLATILE BETA	0.39	pCi/L	U	U	0.9	2
HAA018C	3/19/2013	NONVOLATILE BETA	0.39	pCi/L	U	U	0.95	2.09
HAA 15B	9/17/2013	NONVOLATILE BETA	0.387	pCi/L	U	U	2.43	5.11
HAA 9C	3/7/2013	NONVOLATILE BETA	0.37	pCi/L	U	U	0.9	2
HAA 11C	9/11/2013	NONVOLATILE BETA	0.369	pCi/L	U	U	2.24	4.74
HAA 2B	9/12/2013	NONVOLATILE BETA	0.367	pCi/L	U	U	3.39	7.23
HAA 4C	3/18/2013	NONVOLATILE BETA	0.35	pCi/L	U	U	0.95	2.09
HAA 15B	3/12/2013	NONVOLATILE BETA	0.35	pCi/L	U	U	0.89	1.97
HAA 10B	3/7/2013	NONVOLATILE BETA	0.31	pCi/L	U	U	0.99	2.19
HAA 9D	3/7/2013	NONVOLATILE BETA	0.3	pCi/L	U	U	0.88	1.94
HAA 11C	3/7/2013	NONVOLATILE BETA	0.28	pCi/L	U	U	0.86	1.9
HAA 14B	9/16/2013	NONVOLATILE BETA	0.237	pCi/L	U	U	2.56	5.4
HAA019C	9/24/2013	NONVOLATILE BETA	0.223	pCi/L	U	U	2.25	4.77
HAA 9C	9/11/2013	NONVOLATILE BETA	0.204	pCi/L	U	U	1.88	3.92
HAA 15D	3/12/2013	NONVOLATILE BETA	0.17	pCi/L	U	U	0.95	2.07
HAA 2C	3/7/2013	NONVOLATILE BETA	0.1	pCi/L	U	U	0.84	1.84
HAA 8C	3/7/2013	NONVOLATILE BETA	0.1	pCi/L	U	U	1	2.18
HAA 13B	3/11/2013	NONVOLATILE BETA	0.03	pCi/L	U	U	0.53	1.11
HAA 13B	9/12/2013	NONVOLATILE BETA	-0.0642	pCi/L	U	U	2.09	4.31
HAA020D	9/17/2013	NONVOLATILE BETA	-0.108	pCi/L	U	U	2.33	4.83
HAA 8B	3/7/2013	NONVOLATILE BETA	-0.172	pCi/L	U	U	3.65	7.53
HAA019C	9/24/2013	NONVOLATILE BETA	-0.194	pCi/L	U	U	1.6	3.24
HAA 14C	3/11/2013	NONVOLATILE BETA	-0.21	pCi/L	U	U	0.53	1.03
HAA 15D	9/17/2013	NONVOLATILE BETA	-0.239	pCi/L	U	U	2.29	4.73
HAA 4C	9/16/2013	NONVOLATILE BETA	-0.292	pCi/L	U	U	2.59	5.31
HAA 1A	3/7/2013	NONVOLATILE BETA	-0.3	pCi/L	U	U	0.9	1.9

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 11D	9/11/2013	NONVOLATILE BETA	-0.447	pCi/L	U	U	2.09	4.21
HAA019D	9/18/2013	NONVOLATILE BETA	-0.529	pCi/L	U	U	2.96	6.12
HAA 7B	9/12/2013	NONVOLATILE BETA	-0.637	pCi/L	U	U	2.42	4.8
HAA 13C	9/11/2013	NONVOLATILE BETA	-0.671	pCi/L	U	U	2.01	3.89
HAA 14C	9/16/2013	NONVOLATILE BETA	-0.696	pCi/L	U	U	2.72	5.52
HAA017D	9/23/2013	NONVOLATILE BETA	-0.761	pCi/L	U	U	2.4	4.88
HAA 8D	9/11/2013	NONVOLATILE BETA	-0.773	pCi/L	U	U	2.61	5.29
HAA018C	9/23/2013	NONVOLATILE BETA	-0.945	pCi/L	U	U	2.69	5.49
HAA 2D	9/12/2013	NONVOLATILE BETA	-0.948	pCi/L	U	U	3.15	6.39
HAA 10C	9/11/2013	NONVOLATILE BETA	-1.08	pCi/L	U	U	2.66	5.28
HAA 9D	9/11/2013	NONVOLATILE BETA	-1.17	pCi/L	U	U	2.45	4.79
HAA 2C	9/12/2013	NONVOLATILE BETA	-1.25	pCi/L	U	U	2.28	4.46
HAA017D	1/9/2013	PLUTONIUM-238	0.0137	pCi/L	U	U	0.0411	0.122
HAA017C	1/14/2013	PLUTONIUM-238	0.0104	pCi/L	U	U	0.0311	0.092
HAA 4D	3/11/2013	PLUTONIUM-238	0	pCi/L	U	U	0.066	0.118
HAA 4D	3/11/2013	PLUTONIUM-238	0	pCi/L	U	U	0.07	0.13
HAA017D	1/9/2013	PLUTONIUM-238	-0.000129	pCi/L	U	U	0.0911	0.175
HAA 4D	3/11/2013	PLUTONIUM-239/240	0.017	pCi/L	U	U	0.045	0.099
HAA 4D	3/11/2013	PLUTONIUM-239/240	0.008	pCi/L	U	U	0.023	0.057
HAA017C	1/14/2013	PLUTONIUM-239/240	0	pCi/L	U	U	0.0311	0.077
HAA017D	1/9/2013	PLUTONIUM-239/240	-0.0132	pCi/L	U	U	0.113	0.205
HAA017D	1/9/2013	PLUTONIUM-239/240	-0.0208	pCi/L	U	U	0.109	0.185
HAA017D	1/9/2013	PLUTONIUM-242	0.0205	pCi/L	U	U	0.0803	0.181
HAA017C	1/14/2013	PLUTONIUM-242	-0.0157	pCi/L	U	U	0.0826	0.14
HAA017D	1/9/2013	PLUTONIUM-242	-0.0325	pCi/L	U	U	0.121	0.201
HAA017D	1/9/2013	POTASSIUM-40	-14.6	pCi/L	U	U	48.7	103
HAA017D	1/9/2013	POTASSIUM-40	-18.8	pCi/L	U	U	45.7	101
HAA017C	1/14/2013	POTASSIUM-40	-20.1	pCi/L	U	U	58.3	123
HAA017C	1/14/2013	POTASSIUM-40	-45.6	pCi/L	U	U	53.2	117
HAA017D	1/9/2013	PROMETHIUM-147	-0.519	pCi/L	U	U	8.46	18.3
HAA017C	1/14/2013	PROMETHIUM-147	-2.71	pCi/L	U	U	8.21	17.6
HAA017D	1/9/2013	PROMETHIUM-147	-6.73	pCi/L	U	U	9.68	20.5
HAA017C	1/14/2013	RADIUM-226	0.921	pCi/L			0.276	0.892
HAA017D	1/9/2013	RADIUM-226	0.794	pCi/L	U	U	0.391	1.11
HAA017D	1/9/2013	RADIUM-226	0.685	pCi/L	U	U	0.503	1.26
HAA017C	1/14/2013	RADIUM-226	0.407	pCi/L	J	J	0.325	0.811
HAA017D	1/9/2013	RADIUM-228	1.07	pCi/L	J	J	0.649	1.58
HAA017C	1/14/2013	RADIUM-228	0.591	pCi/L	U	U	0.701	1.58
HAA017C	1/14/2013	RADIUM-228	0.47	pCi/L	U	U	0.784	1.73
HAA017D	1/9/2013	RADIUM-228	0.362	pCi/L	U	U	0.659	1.45
HAA017C	1/14/2013	SELENIUM	20	ug/L	U	U	2	20
HAA017D	1/9/2013	SELENIUM	20	ug/L	U	U	2	20
HAA017D	1/9/2013	SELENIUM	20	ug/L	U	U	2	20
HAA017C	1/14/2013	SILVER	5	ug/L	U	U	0.5	5
HAA017D	1/9/2013	SILVER	5	ug/L	U	U	0.5	5
HAA017D	1/9/2013	SILVER	5	ug/L	U	U	0.5	5
HAA 4B	4/18/2013	SODIUM	20600	ug/L			20	200
HAA 10D	9/11/2013	SODIUM	17200	ug/L		J	80	250
HAA 8D	9/11/2013	SODIUM	16500	ug/L		J	80	250
HAA 10D	3/7/2013	SODIUM	14800	ug/L			20	200
HAA017D	1/9/2013	SODIUM	14500	ug/L			20	200
HAA017D	1/9/2013	SODIUM	13900	ug/L			20	200
HAA017D	9/23/2013	SODIUM	11000	ug/L			80	250
HAA017C	3/14/2013	SODIUM	10100	ug/L			20	200
HAA 1D	3/7/2013	SODIUM	9700	ug/L			20	200
HAA 11D	9/11/2013	SODIUM	9080	ug/L		J	80	250
HAA017D	3/25/2013	SODIUM	8520	ug/L			20	200

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 2B	3/7/2013	SODIUM	8060	ug/L			20	200
HAA 7D	9/12/2013	SODIUM	7700	ug/L			80	250
HAA 2B	9/12/2013	SODIUM	7620	ug/L			80	250
HAA017C	1/14/2013	SODIUM	7190	ug/L			20	200
HAA 8C	9/11/2013	SODIUM	7150	ug/L		J	80	250
HAA 8D	3/7/2013	SODIUM	6690	ug/L			20	200
HAA019D	3/14/2013	SODIUM	6530	ug/L			20	200
HAA 8C	3/7/2013	SODIUM	6490	ug/L			20	200
HAA017C	9/23/2013	SODIUM	6450	ug/L			80	250
HAA019D	9/18/2013	SODIUM	6390	ug/L		J	80	250
HAA 9D	9/11/2013	SODIUM	6190	ug/L		J	80	250
HAA 15D	9/17/2013	SODIUM	6160	ug/L		J	80	250
HAA020D	3/14/2013	SODIUM	6160	ug/L			20	200
HAA020D	9/17/2013	SODIUM	5770	ug/L		J	400	1250
HAA 9D	3/7/2013	SODIUM	5730	ug/L			20	200
HAA018D	3/19/2013	SODIUM	5420	ug/L			20	200
HAA018D	3/19/2013	SODIUM	5240	ug/L			20	200
HAA020D	9/17/2013	SODIUM	5230	ug/L		J	80	250
HAA018D	9/23/2013	SODIUM	5200	ug/L			80	250
HAA 14D	9/16/2013	SODIUM	5020	ug/L			80	250
HAA018D	9/23/2013	SODIUM	5010	ug/L			400	1250
HAA021D	3/18/2013	SODIUM	4820	ug/L			20	200
HAA 1D	9/11/2013	SODIUM	4510	ug/L		J	80	250
HAA 4D	9/16/2013	SODIUM	4490	ug/L			80	250
HAA 9B	3/7/2013	SODIUM	4460	ug/L			20	200
HAA 2D	9/12/2013	SODIUM	4350	ug/L			80	250
HAA 12B	3/11/2013	SODIUM	4330	ug/L			20	200
HAA 12B	9/11/2013	SODIUM	4310	ug/L		J	80	250
HAA020C	9/17/2013	SODIUM	4180	ug/L		J	80	250
HAA 15D	3/12/2013	SODIUM	4130	ug/L			20	200
HAA021D	9/18/2013	SODIUM	4060	ug/L		J	80	250
HAA 12D	9/12/2013	SODIUM	3860	ug/L			80	250
HAA 13B	3/11/2013	SODIUM	3820	ug/L			20	200
HAA 12D	3/11/2013	SODIUM	3810	ug/L			20	200
HAA 2D	3/12/2013	SODIUM	3790	ug/L			20	200
HAA 2D	3/12/2013	SODIUM	3770	ug/L			20	200
HAA 10B	3/7/2013	SODIUM	3740	ug/L			20	200
HAA 9B	9/11/2013	SODIUM	3670	ug/L		J	80	250
HAA 12C	9/11/2013	SODIUM	3560	ug/L		J	80	250
HAA 14B	3/11/2013	SODIUM	3560	ug/L			20	200
HAA 4D	3/11/2013	SODIUM	3520	ug/L			20	200
HAA 10B	9/11/2013	SODIUM	3520	ug/L		J	80	250
HAA 12C	3/11/2013	SODIUM	3520	ug/L			20	200
HAA 10B	3/7/2013	SODIUM	3510	ug/L			20	200
HAA019C	3/14/2013	SODIUM	3510	ug/L			20	200
HAA 11B	3/7/2013	SODIUM	3470	ug/L			20	200
HAA 15C	9/17/2013	SODIUM	3420	ug/L			80	250
HAA 15C	9/17/2013	SODIUM	3380	ug/L			400	1250
HAA 7C	9/12/2013	SODIUM	3360	ug/L			80	250
HAA 11B	9/12/2013	SODIUM	3340	ug/L			80	250
HAA 14B	9/16/2013	SODIUM	3320	ug/L			80	250
HAA020C	3/14/2013	SODIUM	3310	ug/L			20	200
HAA 13B	9/12/2013	SODIUM	3280	ug/L			80	250
HAA 13D	9/11/2013	SODIUM	3280	ug/L		J	80	250
HAA020C	3/14/2013	SODIUM	3260	ug/L			20	200
HAA 9C	9/11/2013	SODIUM	3150	ug/L		J	80	250
HAA 10C	3/7/2013	SODIUM	3090	ug/L			20	200

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 10B	9/11/2013	SODIUM	3080	ug/L		J	80	250
HAA 7C	3/12/2013	SODIUM	3060	ug/L			20	200
HAA 10C	9/11/2013	SODIUM	3050	ug/L		J	80	250
HAA021C	3/18/2013	SODIUM	3030	ug/L			20	200
HAA021C	9/19/2013	SODIUM	2930	ug/L			80	250
HAA 7B	9/12/2013	SODIUM	2860	ug/L			80	250
HAA 9C	3/7/2013	SODIUM	2800	ug/L			20	200
HAA 15C	3/12/2013	SODIUM	2800	ug/L			20	200
HAA018C	3/19/2013	SODIUM	2800	ug/L			20	200
HAA019C	9/24/2013	SODIUM	2780	ug/L		J	400	1250
HAA018C	3/19/2013	SODIUM	2740	ug/L			20	200
HAA019C	9/24/2013	SODIUM	2590	ug/L		J	80	250
HAA 14D	3/11/2013	SODIUM	2530	ug/L			20	200
HAA 1C	3/7/2013	SODIUM	2490	ug/L			20	200
HAA 13D	3/11/2013	SODIUM	2470	ug/L			20	200
HAA 1C	9/11/2013	SODIUM	2460	ug/L		J	80	250
HAA 4B	9/17/2013	SODIUM	2460	ug/L		J	80	250
HAA 15B	9/17/2013	SODIUM	2400	ug/L		J	80	250
HAA 7B	3/12/2013	SODIUM	2280	ug/L			20	200
HAA 1A	3/7/2013	SODIUM	2270	ug/L			20	200
HAA 1A	9/11/2013	SODIUM	2250	ug/L		J	80	250
HAA 1A	3/7/2013	SODIUM	2230	ug/L			20	200
HAA 11C	9/11/2013	SODIUM	2220	ug/L		J	400	1250
HAA 14C	3/11/2013	SODIUM	2220	ug/L			20	200
HAA 13C	9/11/2013	SODIUM	2180	ug/L		J	80	250
HAA 13C	3/11/2013	SODIUM	2170	ug/L			20	200
HAA 11C	3/7/2013	SODIUM	2150	ug/L			20	200
HAA018C	9/23/2013	SODIUM	2150	ug/L			80	250
HAA 11C	3/7/2013	SODIUM	2140	ug/L			20	200
HAA 11C	9/11/2013	SODIUM	2110	ug/L		J	80	250
HAA 11D	3/7/2013	SODIUM	2090	ug/L			20	200
HAA 15B	3/12/2013	SODIUM	2090	ug/L			20	200
HAA 14C	3/11/2013	SODIUM	2070	ug/L			100	300
HAA 8B	3/7/2013	SODIUM	2040	ug/L			20	200
HAA 14C	9/16/2013	SODIUM	2030	ug/L			80	250
HAA 8B	9/11/2013	SODIUM	2010	ug/L		J	80	250
HAA018C	9/23/2013	SODIUM	2000	ug/L			80	250
HAA 7D	3/12/2013	SODIUM	1990	ug/L			20	200
HAA 8B	3/7/2013	SODIUM	1910	ug/L			100	300
HAA 8B	3/7/2013	SODIUM	1890	ug/L			500	1500
HAA 14C	9/16/2013	SODIUM	1880	ug/L			15	100
HAA 2C	3/7/2013	SODIUM	1860	ug/L			20	200
HAA 2C	9/12/2013	SODIUM	1800	ug/L			80	250
HAA 8B	9/11/2013	SODIUM	1750	ug/L			15	100
HAA 4C	9/16/2013	SODIUM	1670	ug/L			80	250
HAA 4C	3/18/2013	SODIUM	1670	ug/L			20	200
HAA 4C	3/18/2013	SODIUM	1660	ug/L			20	200
HAA017C	1/14/2013	STRONTIUM-90	0.526	pCi/L	U	U	4.46	9.3
HAA017D	1/9/2013	STRONTIUM-90	-0.897	pCi/L	U	U	7.09	14.7
HAA017C	1/14/2013	STRONTIUM-90	-0.965	pCi/L	U	U	5.47	11.1
HAA017D	1/9/2013	STRONTIUM-90	-2.21	pCi/L	U	U	5.47	10.8
HAA017D	1/9/2013	SULFATE	15.3	mg/L			0.133	0.4
HAA017C	1/14/2013	SULFATE	6	mg/L			0.133	0.4
HAA 12C	9/11/2013	TECHNETIUM-99	11.5	pCi/L	J	J	7.18	16.2
HAA 10D	9/11/2013	TECHNETIUM-99	11.2	pCi/L	J	J	7.36	16.5
HAA 15C	9/17/2013	TECHNETIUM-99	10.9	pCi/L	J	J	6.84	16
HAA 10D	3/7/2013	TECHNETIUM-99	9.7	pCi/L			1.5	3.9

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 15C	3/12/2013	TECHNETIUM-99	8.7	pCi/L			2.4	6.2
HAA 12C	3/11/2013	TECHNETIUM-99	8.4	pCi/L			1.9	4.9
HAA 12B	9/11/2013	TECHNETIUM-99	7.53	pCi/L	U	U	7.66	17
HAA 7D	9/12/2013	TECHNETIUM-99	7.01	pCi/L	U	U	7.08	15.8
HAA017D	1/9/2013	TECHNETIUM-99	6.98	pCi/L	U	U	21.6	46.8
HAA 13B	9/12/2013	TECHNETIUM-99	6.74	pCi/L	J	J	6.69	14.9
HAA 8D	9/11/2013	TECHNETIUM-99	6.28	pCi/L	U	U	7.72	17
HAA 10B	9/11/2013	TECHNETIUM-99	6.26	pCi/L	U	U	8.14	17.9
HAA 11C	9/11/2013	TECHNETIUM-99	6.1	pCi/L	U	U	7.8	17.2
HAA 14D	9/16/2013	TECHNETIUM-99	6.08	pCi/L	U	U	7	15.5
HAA 10B	9/11/2013	TECHNETIUM-99	5.98	pCi/L	U	U	7.75	17.1
HAA 1C	9/11/2013	TECHNETIUM-99	5.97	pCi/L	U	U	7.42	16.4
HAA 12D	9/12/2013	TECHNETIUM-99	5.83	pCi/L	U	U	6.95	15.4
HAA 11C	9/11/2013	TECHNETIUM-99	5.78	pCi/L	U	U	7.74	17.1
HAA 2B	9/12/2013	TECHNETIUM-99	5.52	pCi/L	U	U	6.85	15.2
HAA 2D	9/12/2013	TECHNETIUM-99	5.19	pCi/L	U	U	6.76	14.9
HAA 14B	9/16/2013	TECHNETIUM-99	4.96	pCi/L	U	U	6.46	14.3
HAA 11B	9/12/2013	TECHNETIUM-99	4.85	pCi/L	U	U	7.17	15.8
HAA 4B	9/17/2013	TECHNETIUM-99	4.69	pCi/L	U	U	6.71	14.9
HAA 14C	9/16/2013	TECHNETIUM-99	4.21	pCi/L	U	U	7.08	15.5
HAA 8B	9/11/2013	TECHNETIUM-99	4.08	pCi/L	U	U	7.55	16.6
HAA019D	9/18/2013	TECHNETIUM-99	4.06	pCi/L	U	U	5.96	13.2
HAA 13D	9/11/2013	TECHNETIUM-99	4.05	pCi/L	U	U	7.81	17.1
HAA 9B	9/11/2013	TECHNETIUM-99	3.97	pCi/L	U	U	7.93	17.4
HAA 4C	9/16/2013	TECHNETIUM-99	3.62	pCi/L	U	U	6.9	15.1
HAA 7B	9/12/2013	TECHNETIUM-99	3.62	pCi/L	U	U	6.51	14.3
HAA 9D	9/11/2013	TECHNETIUM-99	3.55	pCi/L	U	U	7.67	16.8
HAA 14D	9/16/2013	TECHNETIUM-99	3.54	pCi/L	U	U	6.93	15.2
HAA 15B	9/17/2013	TECHNETIUM-99	3.33	pCi/L	U	U	6.46	14.1
HAA 10C	9/11/2013	TECHNETIUM-99	3.3	pCi/L	U	U	8.08	17.6
HAA018C	9/23/2013	TECHNETIUM-99	3.3	pCi/L	U	U	7.03	15.4
HAA 11D	9/11/2013	TECHNETIUM-99	3.26	pCi/L	U	U	7.86	17.2
HAA 1D	9/11/2013	TECHNETIUM-99	3.16	pCi/L	U	U	8.55	18.7
HAA 1A	9/11/2013	TECHNETIUM-99	3.13	pCi/L	U	U	7.41	16.2
HAA 7C	9/12/2013	TECHNETIUM-99	2.87	pCi/L	U	U	7.12	15.5
HAA 13C	9/11/2013	TECHNETIUM-99	2.57	pCi/L	U	U	7.82	17
HAA 12D	3/11/2013	TECHNETIUM-99	2.4	pCi/L		J	1.7	3.9
HAA017C	3/14/2013	TECHNETIUM-99	2.3	pCi/L	U	U	4.8	10.6
HAA 12B	3/11/2013	TECHNETIUM-99	1.8	pCi/L		J	1.8	4
HAA 15D	9/17/2013	TECHNETIUM-99	1.66	pCi/L	U	U	6.38	13.7
HAA020C	9/17/2013	TECHNETIUM-99	1.61	pCi/L	U	U	6.07	13
HAA 2C	9/12/2013	TECHNETIUM-99	1.41	pCi/L	U	U	6.65	14.4
HAA 8B	3/7/2013	TECHNETIUM-99	0.992	pCi/L	U	U	7.52	16.2
HAA020D	9/17/2013	TECHNETIUM-99	0.929	pCi/L	U	U	6.7	14.3
HAA 9D	3/7/2013	TECHNETIUM-99	0.8	pCi/L	U	U	1.8	4
HAA 8C	9/11/2013	TECHNETIUM-99	0.492	pCi/L	U	U	6.95	14.8
HAA 7D	3/12/2013	TECHNETIUM-99	0.4	pCi/L	U	U	2.4	5.2
HAA 4B	4/18/2013	TECHNETIUM-99	0.3	pCi/L	U	U	2.2	4.8
HAA 14C	3/11/2013	TECHNETIUM-99	0.283	pCi/L	U	U	7.88	17
HAA 10B	3/7/2013	TECHNETIUM-99	0.26	pCi/L	U	U	1.6	3.52
HAA 7B	3/12/2013	TECHNETIUM-99	0.2	pCi/L	U	U	2.7	5.9
HAA 14C	3/11/2013	TECHNETIUM-99	0.192	pCi/L	U	U	8.02	17.3
HAA017D	1/9/2013	TECHNETIUM-99	0.186	pCi/L	U	U	18.1	39.1
HAA 4B	4/18/2013	TECHNETIUM-99	0.1	pCi/L	U	U	2	4.4
HAA 13B	3/11/2013	TECHNETIUM-99	0.01	pCi/L	U	U	2.1	4.5
HAA 8C	3/7/2013	TECHNETIUM-99	-0.009	pCi/L	U	U	1.6	3.52
HAA 10B	3/7/2013	TECHNETIUM-99	-0.04	pCi/L	U	U	1.7	3.64

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA 11C	3/7/2013	TECHNETIUM-99	-0.05	pCi/L	U	U	1.7	3.7
HAA 9C	3/7/2013	TECHNETIUM-99	-0.09	pCi/L	U	U	1.7	3.68
HAA 11B	3/7/2013	TECHNETIUM-99	-0.1	pCi/L	U	U	1.9	4.1
HAA 1D	3/7/2013	TECHNETIUM-99	-0.2	pCi/L	U	U	1.8	3.8
HAA 2C	3/7/2013	TECHNETIUM-99	-0.2	pCi/L	U	U	1.9	4.1
HAA018D	3/19/2013	TECHNETIUM-99	-0.2	pCi/L	U	U	2.2	4.6
HAA 1A	3/7/2013	TECHNETIUM-99	-0.21	pCi/L	U	U	1.6	3.48
HAA 9D	3/7/2013	TECHNETIUM-99	-0.25	pCi/L	U	U	1.6	3.44
HAA 15B	3/12/2013	TECHNETIUM-99	-0.3	pCi/L	U	U	2.9	6.3
HAA 15D	3/12/2013	TECHNETIUM-99	-0.3	pCi/L	U	U	2.6	5.6
HAA 1C	3/7/2013	TECHNETIUM-99	-0.33	pCi/L	U	U	1.7	3.62
HAA 8B	3/7/2013	TECHNETIUM-99	-0.4	pCi/L	U	U	1.6	3.48
HAA020C	3/14/2013	TECHNETIUM-99	-0.4	pCi/L	U	U	2.5	5.3
HAA 8D	3/7/2013	TECHNETIUM-99	-0.53	pCi/L	U	U	1.7	3.6
HAA 10C	3/7/2013	TECHNETIUM-99	-0.58	pCi/L	U	U	1.6	3.46
HAA 4D	3/11/2013	TECHNETIUM-99	-0.6	pCi/L	U	U	2	4.2
HAA 11D	3/7/2013	TECHNETIUM-99	-0.6	pCi/L	U	U	1.9	4.1
HAA020C	3/14/2013	TECHNETIUM-99	-0.6	pCi/L	U	U	2.4	5
HAA021C	3/18/2013	TECHNETIUM-99	-0.6	pCi/L	U	U	2.4	5
HAA 14D	3/11/2013	TECHNETIUM-99	-0.64	pCi/L	U	U	1.7	3.58
HAA 14B	3/11/2013	TECHNETIUM-99	-0.7	pCi/L	U	U	1.9	4.1
HAA 14C	9/16/2013	TECHNETIUM-99	-0.8	pCi/L	U	U	2.3	4.9
HAA019D	3/14/2013	TECHNETIUM-99	-0.8	pCi/L	U	U	2.4	5
HAA 14C	3/11/2013	TECHNETIUM-99	-0.86	pCi/L	U	U	1.8	3.78
HAA 8B	9/11/2013	TECHNETIUM-99	-0.9	pCi/L	U	U	2	4.4
HAA 9B	3/7/2013	TECHNETIUM-99	-0.9	pCi/L	U	U	2	4.2
HAA019C	3/14/2013	TECHNETIUM-99	-0.9	pCi/L	U	U	2.7	5.7
HAA 14C	9/16/2013	TECHNETIUM-99	-1	pCi/L	U	U	2.5	5.5
HAA 15D	3/12/2013	TECHNETIUM-99	-1	pCi/L	U	U	2.6	5.4
HAA 13C	3/11/2013	TECHNETIUM-99	-1.2	pCi/L	U	U	2	4.2
HAA017D	3/25/2013	TECHNETIUM-99	-1.2	pCi/L	U	U	5.8	12.2
HAA 2B	3/7/2013	TECHNETIUM-99	-1.3	pCi/L	U	U	2.3	4.9
HAA018C	3/19/2013	TECHNETIUM-99	-1.5	pCi/L	U	U	2.8	5.8
HAA021D	3/18/2013	TECHNETIUM-99	-1.6	pCi/L	U	U	2.7	5.5
HAA021D	9/18/2013	TECHNETIUM-99	-1.61	pCi/L	U	U	9.4	19.6
HAA018C	3/19/2013	TECHNETIUM-99	-1.7	pCi/L	U	U	2.6	5.4
HAA 4C	3/18/2013	TECHNETIUM-99	-1.9	pCi/L	U	U	2.6	5.4
HAA 7C	3/12/2013	TECHNETIUM-99	-2	pCi/L	U	U	2.9	5.9
HAA 9C	9/11/2013	TECHNETIUM-99	-2.05	pCi/L	U	U	7.02	14.5
HAA 4D	9/16/2013	TECHNETIUM-99	-2.59	pCi/L	U	U	7.7	16.3
HAA 2D	3/12/2013	TECHNETIUM-99	-3.2	pCi/L	U	U	5.7	11.7
HAA021C	9/19/2013	TECHNETIUM-99	-3.21	pCi/L	U	U	7.8	16.6
HAA 13D	3/11/2013	TECHNETIUM-99	-3.4	pCi/L	U	U	5.5	11.3
HAA020D	3/14/2013	TECHNETIUM-99	-3.9	pCi/L	U	U	7	14.6
HAA018D	9/23/2013	TECHNETIUM-99	-4.06	pCi/L	U	U	7.14	15.1
HAA018C	9/23/2013	TECHNETIUM-99	-4.07	pCi/L	U	U	7.56	16
HAA017D	9/23/2013	TECHNETIUM-99	-4.27	pCi/L	U	U	7.76	16.4
HAA017C	1/14/2013	TECHNETIUM-99	-4.71	pCi/L	U	U	19.1	40.9
HAA018D	9/23/2013	TECHNETIUM-99	-4.88	pCi/L	U	U	7.52	15.9
HAA017C	9/23/2013	TECHNETIUM-99	-5.61	pCi/L	U	U	7.64	16.1
HAA019C	9/24/2013	TECHNETIUM-99	-6.3	pCi/L	U	U	7.74	16.2
HAA017C	1/14/2013	TECHNETIUM-99	-9.32	pCi/L	U	U	18.5	39.3
HAA017C	1/14/2013	TETRACHLOROETHYLENE (PCE)	1	ug/L	U	U	0.3	1
HAA017D	1/9/2013	TETRACHLOROETHYLENE (PCE)	1	ug/L	U	U	0.3	1
HAA017C	1/14/2013	THALLIUM-208	2.56	pCi/L	U	U	6	16.8
HAA017D	1/9/2013	THALLIUM-208	0.0403	pCi/L	U	U	4.41	9.75
HAA017C	1/14/2013	THALLIUM-208	-0.332	pCi/L	U	U	5.7	12.5

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA017D	1/9/2013	THALLIUM-208	-1.7	pCi/L	U	U	4.14	9.22
HAA017C	1/14/2013	THORIUM-228	0.143	pCi/L	U	U	0.14	0.38
HAA017D	1/9/2013	THORIUM-228	0.115	pCi/L	U	U	0.053	0.155
HAA017D	1/9/2013	THORIUM-228	0.0604	pCi/L	U	U	0.142	0.324
HAA017D	1/9/2013	THORIUM-230	0.0754	pCi/L	U	U	0.072	0.174
HAA017C	1/14/2013	THORIUM-230	0.0546	pCi/L	U	U	0.171	0.371
HAA017D	1/9/2013	THORIUM-230	0.0508	pCi/L	U	U	0.144	0.32
HAA017C	1/14/2013	THORIUM-232	0.0601	pCi/L	U	U	0.115	0.282
HAA017D	1/9/2013	THORIUM-232	0.0485	pCi/L	U	U	0.0887	0.231
HAA017D	1/9/2013	THORIUM-232	0.0454	pCi/L	U	U	0.0412	0.109
HAA017C	1/14/2013	TOTAL PHOSPHATES (AS P)	0.212	mg/L		J	0.017	0.05
HAA017C	1/14/2013	TOTAL PHOSPHATES (AS P)	0.172	mg/L	J	J	0.017	0.05
HAA017D	1/9/2013	TOTAL PHOSPHATES (AS P)	0.0849	mg/L			0.017	0.05
HAA017D	1/9/2013	TOTAL PHOSPHATES (AS P)	0.0668	mg/L			0.017	0.05
HAA017C	1/14/2013	TOTAL SUSPENDED SOLIDS	8.6	mg/L			0.57	2.5
HAA017D	1/9/2013	TOTAL SUSPENDED SOLIDS	7.87	mg/L			0.76	3.33
HAA017C	1/14/2013	TOTAL SUSPENDED SOLIDS	7.8	mg/L			0.57	2.5
HAA017D	1/9/2013	TOTAL SUSPENDED SOLIDS	7.73	mg/L			0.76	3.33
HAA017C	1/14/2013	TRICHLOROETHYLENE (TCE)	1	ug/L	U	U	0.3	1
HAA017D	1/9/2013	TRICHLOROETHYLENE (TCE)	1	ug/L	U	U	0.3	1
HAA 12C	9/11/2013	TRITIUM	79	pCi/mL			0.646	5.21
HAA 12C	3/11/2013	TRITIUM	78.5	pCi/mL			0.454	3.87
HAA 12D	3/11/2013	TRITIUM	18.2	pCi/mL			0.455	2.16
HAA 12D	9/12/2013	TRITIUM	12.4	pCi/mL			0.539	2.51
HAA 13D	9/11/2013	TRITIUM	11.9	pCi/mL			0.643	2.52
HAA 11D	9/11/2013	TRITIUM	11.2	pCi/mL			0.652	2.5
HAA 13D	3/11/2013	TRITIUM	10.1	pCi/mL			0.486	1.84
HAA 8D	9/11/2013	TRITIUM	9.67	pCi/mL			0.65	2.38
HAA 14D	3/11/2013	TRITIUM	9	pCi/mL			0.451	1.7
HAA 11D	3/7/2013	TRITIUM	8.91	pCi/mL			0.588	1.92
HAA 9D	9/11/2013	TRITIUM	8.41	pCi/mL			0.639	2.26
HAA 14D	9/16/2013	TRITIUM	8.4	pCi/mL			0.549	2.23
HAA 8D	3/7/2013	TRITIUM	8.33	pCi/mL			0.593	1.9
HAA 14D	9/16/2013	TRITIUM	8.05	pCi/mL			0.535	2.16
HAA 10D	9/11/2013	TRITIUM	7.27	pCi/mL			0.643	2.18
HAA 10D	3/7/2013	TRITIUM	7.07	pCi/mL			0.596	1.83
HAA 9D	3/7/2013	TRITIUM	6.92	pCi/mL			0.586	1.8
HAA 4D	9/16/2013	TRITIUM	6.9	pCi/mL			0.544	2.08
HAA 15D	9/17/2013	TRITIUM	6.57	pCi/mL			0.546	1.87
HAA 15D	3/12/2013	TRITIUM	6.23	pCi/mL	J	J	0.507	1.62
HAA 4D	3/11/2013	TRITIUM	5.98	pCi/mL			0.45	1.51
HAA018D	9/23/2013	TRITIUM	5.82	pCi/mL			0.537	1.86
HAA 7D	3/12/2013	TRITIUM	4.76	pCi/mL	J	J	0.508	1.53
HAA 7D	9/12/2013	TRITIUM	4.7	pCi/mL			0.541	1.84
HAA021D	9/18/2013	TRITIUM	4.58	pCi/mL			0.573	1.78
HAA021D	3/18/2013	TRITIUM	4.57	pCi/mL			0.474	1.45
HAA018D	3/19/2013	TRITIUM	4.5	pCi/mL			0.534	1.56
HAA019D	9/18/2013	TRITIUM	4.48	pCi/mL			0.551	1.71
HAA019D	3/14/2013	TRITIUM	4.31	pCi/mL			0.485	1.46
HAA017D	1/9/2013	TRITIUM	3.92	pCi/mL			0.484	1.43
HAA020D	3/14/2013	TRITIUM	3.84	pCi/mL			0.483	1.42
HAA020D	9/17/2013	TRITIUM	3.72	pCi/mL			0.548	1.62
HAA 10C	3/7/2013	TRITIUM	3.64	pCi/mL			0.601	1.62
HAA 4B	9/17/2013	TRITIUM	3.01	pCi/mL			0.544	1.54
HAA 13C	9/11/2013	TRITIUM	2.95	pCi/mL			0.646	1.77
HAA017D	3/25/2013	TRITIUM	2.93	pCi/mL			0.576	1.52
HAA 10C	9/11/2013	TRITIUM	2.92	pCi/mL			0.639	1.75

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA017D	9/23/2013	TRITIUM	2.91	pCi/mL			0.566	1.63
HAA 13C	3/11/2013	TRITIUM	2.68	pCi/mL			0.455	1.27
HAA 15C	9/17/2013	TRITIUM	2.62	pCi/mL			0.547	1.51
HAA 2D	9/12/2013	TRITIUM	2.58	pCi/mL			0.543	1.59
HAA 1D	9/11/2013	TRITIUM	2.53	pCi/mL			0.66	1.75
HAA021C	3/18/2013	TRITIUM	2.52	pCi/mL			0.478	1.3
HAA 2D	3/12/2013	TRITIUM	2.38	pCi/mL	J	J	0.509	1.34
HAA 15C	3/12/2013	TRITIUM	2.03	pCi/mL	J	J	0.512	1.32
HAA021C	9/19/2013	TRITIUM	1.69	pCi/mL			0.539	1.41
HAA020C	9/17/2013	TRITIUM	1.18	pCi/mL	J	J	0.546	1.33
HAA 11B	9/12/2013	TRITIUM	1.12	pCi/mL	J	J	0.537	1.34
HAA 1D	3/7/2013	TRITIUM	1.06	pCi/mL	J	J	0.593	1.39
HAA020C	3/14/2013	TRITIUM	1.06	pCi/mL	J	J	0.482	1.16
HAA020C	3/14/2013	TRITIUM	1.02	pCi/mL	J	J	0.482	1.16
HAA 8C	9/11/2013	TRITIUM	1	pCi/mL	J	J	0.647	1.52
HAA 11C	9/11/2013	TRITIUM	0.933	pCi/mL	J	J	0.64	1.5
HAA 11B	3/7/2013	TRITIUM	0.864	pCi/mL	J	J	0.594	1.37
HAA 9C	9/11/2013	TRITIUM	0.835	pCi/mL	J	J	0.647	1.5
HAA 4B	4/18/2013	TRITIUM	0.807	pCi/mL	J	J	0.544	1.26
HAA 11C	3/7/2013	TRITIUM	0.787	pCi/mL	J	J	0.596	1.37
HAA 11C	9/11/2013	TRITIUM	0.75	pCi/mL	J	J	0.644	1.48
HAA 2C	9/12/2013	TRITIUM	0.67	pCi/mL	J	J	0.541	1.27
HAA 8C	3/7/2013	TRITIUM	0.664	pCi/mL	J	J	0.596	1.36
HAA 4C	3/18/2013	TRITIUM	0.579	pCi/mL	J	J	0.483	1.11
HAA017C	1/14/2013	TRITIUM	0.573	pCi/mL	J	J	0.438	1.02
HAA 4C	9/16/2013	TRITIUM	0.569	pCi/mL	J	J	0.538	1.24
HAA017C	1/14/2013	TRITIUM	0.552	pCi/mL	J	J	0.44	1.02
HAA019C	3/14/2013	TRITIUM	0.544	pCi/mL	J	J	0.487	1.12
HAA 15B	9/17/2013	TRITIUM	0.514	pCi/mL	U	U	0.549	1.24
HAA 14B	3/11/2013	TRITIUM	0.474	pCi/mL	J	J	0.454	1.04
HAA 14C	9/16/2013	TRITIUM	0.46	pCi/mL	J	J	0.3	0.72
HAA 14C	3/11/2013	TRITIUM	0.452	pCi/mL	J	J	0.446	1.02
HAA 12B	3/11/2013	TRITIUM	0.446	pCi/mL	U	U	0.453	1.03
HAA019C	9/24/2013	TRITIUM	0.425	pCi/mL	U	U	0.487	1.1
HAA 14C	9/16/2013	TRITIUM	0.402	pCi/mL	U	U	0.542	1.21
HAA 13B	3/11/2013	TRITIUM	0.381	pCi/mL	U	U	0.46	1.04
HAA 1C	9/11/2013	TRITIUM	0.35	pCi/mL	U	U	0.644	1.41
HAA 2B	9/12/2013	TRITIUM	0.346	pCi/mL	U	U	0.544	1.21
HAA 13B	9/12/2013	TRITIUM	0.343	pCi/mL	U	U	0.542	1.2
HAA 2C	3/7/2013	TRITIUM	0.326	pCi/mL	U	U	0.598	1.33
HAA017C	3/14/2013	TRITIUM	0.317	pCi/mL	U	U	0.493	1.1
HAA 14C	3/11/2013	TRITIUM	0.309	pCi/mL	U	U	0.542	1.19
HAA019C	9/24/2013	TRITIUM	0.283	pCi/mL	U	U	0.49	1.08
HAA 15B	3/12/2013	TRITIUM	0.258	pCi/mL	UJ	UJ	0.517	1.15
HAA 1A	9/11/2013	TRITIUM	0.24	pCi/mL	U	U	0.634	1.37
HAA 14C	3/11/2013	TRITIUM	0.239	pCi/mL	U	U	0.542	1.18
HAA 10B	9/11/2013	TRITIUM	0.22	pCi/mL	U	U	0.64	1.38
HAA 9C	3/7/2013	TRITIUM	0.169	pCi/mL	U	U	0.597	1.31
HAA 7C	9/12/2013	TRITIUM	0.15	pCi/mL	U	U	0.544	1.16
HAA 1A	3/7/2013	TRITIUM	0.137	pCi/mL	U	U	0.588	1.29
HAA 7C	3/12/2013	TRITIUM	0.123	pCi/mL	UJ	UJ	0.515	1.13
HAA 12B	9/11/2013	TRITIUM	0.116	pCi/mL	U	U	0.648	1.38
HAA 8B	9/11/2013	TRITIUM	0.11	pCi/mL	U	U	0.32	0.7
HAA 10B	9/11/2013	TRITIUM	0.104	pCi/mL	U	U	0.638	1.36
HAA 8B	3/7/2013	TRITIUM	0.0967	pCi/mL	U	U	0.458	0.974
HAA 8B	9/11/2013	TRITIUM	0.0894	pCi/mL	U	U	0.638	1.36
HAA 7B	9/12/2013	TRITIUM	0.0799	pCi/mL	U	U	0.577	1.21

Well Name	Collection Date	Analyte	Result	Units	Lab Qualifier	Review Qualifier	Method Detection Limit (ssMDL)	Sample Quantitation Limit (ssSQL)
HAA017C	9/23/2013	TRITIUM	0.0345	pCi/mL	U	U	0.566	1.19
HAA018C	3/19/2013	TRITIUM	0.0166	pCi/mL	U	U	0.522	1.13
HAA 14B	9/16/2013	TRITIUM	0.000348	pCi/mL	U	U	0.532	1.1
HAA018C	3/19/2013	TRITIUM	-0.0221	pCi/mL	U	U	0.521	1.12
HAA 9B	9/11/2013	TRITIUM	-0.0455	pCi/mL	U	U	0.663	1.38
HAA 8B	9/11/2013	TRITIUM	-0.07	pCi/mL	U	U	0.31	0.63
HAA 1A	3/7/2013	TRITIUM	-0.0749	pCi/mL	U	U	0.589	1.27
HAA 7B	3/12/2013	TRITIUM	-0.0819	pCi/mL	UJ	UJ	0.511	1.09
HAA 10B	3/7/2013	TRITIUM	-0.108	pCi/mL	U	U	0.592	1.27
HAA018C	9/23/2013	TRITIUM	-0.146	pCi/mL	U	U	0.534	1.08
HAA018C	9/23/2013	TRITIUM	-0.21	pCi/mL	U	U	0.542	1.09
HAA 1C	3/7/2013	TRITIUM	-0.268	pCi/mL	U	U	0.588	1.24
HAA 2B	3/7/2013	TRITIUM	-0.381	pCi/mL	U	U	0.59	1.24
HAA 8B	3/7/2013	TRITIUM	-0.426	pCi/mL	U	U	0.592	1.23
HAA 10B	3/7/2013	TRITIUM	-0.44	pCi/mL	U	U	0.6	1.25
HAA 9B	3/7/2013	TRITIUM	-0.522	pCi/mL	U	U	0.592	1.22
HAA017C	1/14/2013	URANIUM-233/234	0.095	pCi/L	U	U	0.311	0.681
HAA017D	1/9/2013	URANIUM-233/234	0.00877	pCi/L	U	U	0.222	0.434
HAA017D	1/9/2013	URANIUM-233/234	-0.0465	pCi/L	U	U	0.26	0.424
HAA017D	1/9/2013	URANIUM-235	0.0458	pCi/L	U	U	0.137	0.395
HAA017D	1/9/2013	URANIUM-235	0.0354	pCi/L	U	U	0.223	0.489
HAA017C	1/14/2013	URANIUM-235	0.0263	pCi/L	U	U	0.28	0.572
HAA017C	1/14/2013	URANIUM-238	0.165	pCi/L	U	U	0.269	0.671
HAA 4D	3/11/2013	URANIUM-238	0.067	pCi/L	U	U	0.08	0.206
HAA017D	1/9/2013	URANIUM-238	0.0296	pCi/L	U	U	0.26	0.526
HAA017D	1/9/2013	URANIUM-238	0.0286	pCi/L	U	U	0.181	0.395
HAA 4D	3/11/2013	URANIUM-238	-0.008	pCi/L	U	U	0.09	0.146
HAA 4C	3/18/2013	VANADIUM	50	ug/L	U	U	5	50
HAA 4C	3/18/2013	VANADIUM	50	ug/L	U	U	5	50
HAA017C	3/14/2013	VANADIUM	50	ug/L	U	U	5	50
HAA020C	3/14/2013	VANADIUM	50	ug/L	U	U	5	50
HAA020C	3/14/2013	VANADIUM	50	ug/L	U	U	5	50
HAA021C	3/18/2013	VANADIUM	50	ug/L	U	U	5	50

Attachment C
2013 Field Measurements for F and H Area Tank Farms

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
FBG001C	3/13/2013	PH	6.1	pH
FBG001C	9/23/2013	PH	6	pH
FBG001D	3/12/2013	PH	NA	pH
FBG001D	9/19/2013	PH	NA	pH
FTF 19	3/11/2013	PH	5.2	pH
FTF 19	9/18/2013	PH	5.4	pH
FTF 20	3/11/2013	PH	4.7	pH
FTF 20	9/18/2013	PH	5	pH
FTF 22	3/11/2013	PH	4.6	pH
FTF 22	9/18/2013	PH	5.3	pH
FTF 23	3/11/2013	PH	4.5	pH
FTF 23	9/19/2013	PH	4.6	pH
FTF 28	2/25/2013	PH	4.5	pH
FTF 28	3/13/2013	PH	5	pH
FTF 28	8/13/2013	PH	4.6	pH
FTF 28	9/16/2013	PH	5	pH
FTF 29	3/13/2013	PH	7.2	pH
FTF 29	9/16/2013	PH	7.5	pH
FTF009R	3/12/2013	PH	6.3	pH
FTF009R	9/16/2013	PH	5.9	pH
FTF012R	3/12/2013	PH	5.7	pH
FTF012R	9/18/2013	PH	6	pH
FTF030	3/11/2013	PH	5.9	pH
FTF030	9/16/2013	PH	5.7	pH
FTF030D	3/12/2013	PH	NA	pH
FTF030D	9/16/2013	PH	5.4	pH
FTF031	3/13/2013	PH	4.7	pH
FTF031	9/19/2013	PH	4.9	pH
HAA 1A	3/7/2013	PH	7.3	pH
HAA 1A	9/11/2013	PH	7.3	pH
HAA 1C	3/7/2013	PH	6.1	pH
HAA 1C	9/11/2013	PH	6.3	pH
HAA 1D	3/7/2013	PH	5.3	pH
HAA 1D	9/11/2013	PH	5.1	pH
HAA 2B	3/7/2013	PH	6.6	pH
HAA 2B	9/12/2013	PH	6.8	pH
HAA 2C	3/7/2013	PH	5.2	pH
HAA 2C	9/12/2013	PH	5.3	pH
HAA 2D	3/12/2013	PH	4.8	pH
HAA 2D	9/12/2013	PH	4.7	pH
HAA 4B	4/18/2013	PH	8	pH
HAA 4B	9/17/2013	PH	8.6	pH
HAA 4C	3/18/2013	PH	6.6	pH
HAA 4C	9/16/2013	PH	6.6	pH
HAA 4D	3/11/2013	PH	4.5	pH
HAA 4D	9/16/2013	PH	4.4	pH

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 7B	3/12/2013	PH	6	pH
HAA 7B	9/12/2013	PH	5.9	pH
HAA 7C	3/12/2013	PH	6.8	pH
HAA 7C	9/12/2013	PH	6.8	pH
HAA 7D	3/12/2013	PH	4.4	pH
HAA 7D	9/12/2013	PH	5.2	pH
HAA 8B	3/7/2013	PH	5.8	pH
HAA 8B	9/11/2013	PH	5.6	pH
HAA 8C	3/7/2013	PH	4.9	pH
HAA 8C	9/11/2013	PH	4.7	pH
HAA 8D	3/7/2013	PH	4.9	pH
HAA 8D	9/11/2013	PH	4.9	pH
HAA 9B	3/7/2013	PH	7.6	pH
HAA 9B	9/11/2013	PH	9.3	pH
HAA 9C	3/7/2013	PH	5.9	pH
HAA 9C	9/11/2013	PH	5.8	pH
HAA 9D	3/7/2013	PH	5.2	pH
HAA 9D	9/11/2013	PH	5.1	pH
HAA 10B	3/7/2013	PH	6.9	pH
HAA 10B	9/11/2013	PH	7.4	pH
HAA 10C	3/7/2013	PH	6	pH
HAA 10C	9/11/2013	PH	5.7	pH
HAA 10D	3/7/2013	PH	5	pH
HAA 10D	9/11/2013	PH	5.1	pH
HAA 11B	3/7/2013	PH	9.8	pH
HAA 11B	9/12/2013	PH	10.4	pH
HAA 11C	3/7/2013	PH	6	pH
HAA 11C	9/11/2013	PH	6	pH
HAA 11D	3/7/2013	PH	4.9	pH
HAA 11D	9/11/2013	PH	5.1	pH
HAA 12B	3/11/2013	PH	6.9	pH
HAA 12B	9/11/2013	PH	6.5	pH
HAA 12C	3/11/2013	PH	5.3	pH
HAA 12C	9/11/2013	PH	5.2	pH
HAA 12D	3/11/2013	PH	4.8	pH
HAA 12D	9/12/2013	PH	5	pH
HAA 13B	3/11/2013	PH	7.4	pH
HAA 13B	9/12/2013	PH	7.4	pH
HAA 13C	3/11/2013	PH	6.5	pH
HAA 13C	9/11/2013	PH	6.4	pH
HAA 13D	3/11/2013	PH	5.6	pH
HAA 13D	9/11/2013	PH	5	pH
HAA 14B	3/11/2013	PH	7.7	pH
HAA 14B	9/16/2013	PH	7.7	pH
HAA 14C	3/11/2013	PH	6.6	pH
HAA 14C	9/16/2013	PH	6.2	pH

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 14D	3/11/2013	PH	4.8	pH
HAA 14D	9/16/2013	PH	4.8	pH
HAA 15B	3/12/2013	PH	6.7	pH
HAA 15B	9/17/2013	PH	6.4	pH
HAA 15C	3/12/2013	PH	6	pH
HAA 15C	9/17/2013	PH	5.7	pH
HAA 15D	3/12/2013	PH	5.1	pH
HAA 15D	9/17/2013	PH	4.8	pH
HAA017C	1/14/2013	PH	4.9	pH
HAA017C	3/14/2013	PH	6.3	pH
HAA017C	9/23/2013	PH	5.6	pH
HAA017D	1/9/2013	PH	5.02	pH
HAA017D	3/25/2013	PH	5.7	pH
HAA017D	9/23/2013	PH	4.8	pH
HAA018C	3/19/2013	PH	5.6	pH
HAA018C	9/23/2013	PH	5.3	pH
HAA018D	3/19/2013	PH	6	pH
HAA018D	9/23/2013	PH	5.7	pH
HAA019C	3/14/2013	PH	6.4	pH
HAA019C	9/24/2013	PH	6.7	pH
HAA019D	3/14/2013	PH	6.1	pH
HAA019D	9/18/2013	PH	4.6	pH
HAA020C	3/14/2013	PH	6.5	pH
HAA020C	9/17/2013	PH	7	pH
HAA020D	3/14/2013	PH	7.2	pH
HAA020D	9/17/2013	PH	6.6	pH
HAA021C	3/18/2013	PH	5.5	pH
HAA021C	9/19/2013	PH	5.4	pH
HAA021D	3/18/2013	PH	5.4	pH
HAA021D	9/18/2013	PH	4.2	pH
FBG001C	3/13/2013	SPECIFIC CONDUCTANCE	161	uS/cm
FBG001C	9/23/2013	SPECIFIC CONDUCTANCE	101	uS/cm
FBG001D	3/12/2013	SPECIFIC CONDUCTANCE	NA	uS/cm
FBG001D	9/19/2013	SPECIFIC CONDUCTANCE	NA	uS/cm
FTF 19	3/11/2013	SPECIFIC CONDUCTANCE	98	uS/cm
FTF 19	9/18/2013	SPECIFIC CONDUCTANCE	103	uS/cm
FTF 20	3/11/2013	SPECIFIC CONDUCTANCE	152	uS/cm
FTF 20	9/18/2013	SPECIFIC CONDUCTANCE	133	uS/cm
FTF 22	3/11/2013	SPECIFIC CONDUCTANCE	73	uS/cm
FTF 22	9/18/2013	SPECIFIC CONDUCTANCE	83	uS/cm
FTF 23	3/11/2013	SPECIFIC CONDUCTANCE	74	uS/cm
FTF 23	9/19/2013	SPECIFIC CONDUCTANCE	59	uS/cm
FTF 28	2/25/2013	SPECIFIC CONDUCTANCE	37	uS/cm
FTF 28	3/13/2013	SPECIFIC CONDUCTANCE	39	uS/cm
FTF 28	8/13/2013	SPECIFIC CONDUCTANCE	37	uS/cm
FTF 28	9/16/2013	SPECIFIC CONDUCTANCE	39	uS/cm

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
FTF 29	3/13/2013	SPECIFIC CONDUCTANCE	282	uS/cm
FTF 29	9/16/2013	SPECIFIC CONDUCTANCE	273	uS/cm
FTF009R	3/12/2013	SPECIFIC CONDUCTANCE	244	uS/cm
FTF009R	9/16/2013	SPECIFIC CONDUCTANCE	99	uS/cm
FTF012R	3/12/2013	SPECIFIC CONDUCTANCE	105	uS/cm
FTF012R	9/18/2013	SPECIFIC CONDUCTANCE	107	uS/cm
FTF030	3/11/2013	SPECIFIC CONDUCTANCE	131	uS/cm
FTF030	9/16/2013	SPECIFIC CONDUCTANCE	67	uS/cm
FTF030D	3/12/2013	SPECIFIC CONDUCTANCE	NA	uS/cm
FTF030D	9/16/2013	SPECIFIC CONDUCTANCE	221	uS/cm
FTF031	3/13/2013	SPECIFIC CONDUCTANCE	48	uS/cm
FTF031	9/19/2013	SPECIFIC CONDUCTANCE	49	uS/cm
HAA 1A	3/7/2013	SPECIFIC CONDUCTANCE	142	uS/cm
HAA 1A	9/11/2013	SPECIFIC CONDUCTANCE	145	uS/cm
HAA 1C	3/7/2013	SPECIFIC CONDUCTANCE	84	uS/cm
HAA 1C	9/11/2013	SPECIFIC CONDUCTANCE	95	uS/cm
HAA 1D	3/7/2013	SPECIFIC CONDUCTANCE	70	uS/cm
HAA 1D	9/11/2013	SPECIFIC CONDUCTANCE	54	uS/cm
HAA 2B	3/7/2013	SPECIFIC CONDUCTANCE	104	uS/cm
HAA 2B	9/12/2013	SPECIFIC CONDUCTANCE	108	uS/cm
HAA 2C	3/7/2013	SPECIFIC CONDUCTANCE	19	uS/cm
HAA 2C	9/12/2013	SPECIFIC CONDUCTANCE	20	uS/cm
HAA 2D	3/12/2013	SPECIFIC CONDUCTANCE	36	uS/cm
HAA 2D	9/12/2013	SPECIFIC CONDUCTANCE	35	uS/cm
HAA 4B	4/18/2013	SPECIFIC CONDUCTANCE	220	uS/cm
HAA 4B	9/17/2013	SPECIFIC CONDUCTANCE	220	uS/cm
HAA 4C	3/18/2013	SPECIFIC CONDUCTANCE	120	uS/cm
HAA 4C	9/16/2013	SPECIFIC CONDUCTANCE	119	uS/cm
HAA 4D	3/11/2013	SPECIFIC CONDUCTANCE	107	uS/cm
HAA 4D	9/16/2013	SPECIFIC CONDUCTANCE	104	uS/cm
HAA 7B	3/12/2013	SPECIFIC CONDUCTANCE	44	uS/cm
HAA 7B	9/12/2013	SPECIFIC CONDUCTANCE	46	uS/cm
HAA 7C	3/12/2013	SPECIFIC CONDUCTANCE	89	uS/cm
HAA 7C	9/12/2013	SPECIFIC CONDUCTANCE	81	uS/cm
HAA 7D	3/12/2013	SPECIFIC CONDUCTANCE	70	uS/cm
HAA 7D	9/12/2013	SPECIFIC CONDUCTANCE	68	uS/cm
HAA 8B	3/7/2013	SPECIFIC CONDUCTANCE	37	uS/cm
HAA 8B	9/11/2013	SPECIFIC CONDUCTANCE	36	uS/cm
HAA 8C	3/7/2013	SPECIFIC CONDUCTANCE	54	uS/cm
HAA 8C	9/11/2013	SPECIFIC CONDUCTANCE	55	uS/cm
HAA 8D	3/7/2013	SPECIFIC CONDUCTANCE	53	uS/cm
HAA 8D	9/11/2013	SPECIFIC CONDUCTANCE	109	uS/cm
HAA 9B	3/7/2013	SPECIFIC CONDUCTANCE	233	uS/cm
HAA 9B	9/11/2013	SPECIFIC CONDUCTANCE	130	uS/cm
HAA 9C	3/7/2013	SPECIFIC CONDUCTANCE	47	uS/cm
HAA 9C	9/11/2013	SPECIFIC CONDUCTANCE	52	uS/cm

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 9D	3/7/2013	SPECIFIC CONDUCTANCE	42	uS/cm
HAA 9D	9/11/2013	SPECIFIC CONDUCTANCE	44	uS/cm
HAA 10B	3/7/2013	SPECIFIC CONDUCTANCE	190	uS/cm
HAA 10B	9/11/2013	SPECIFIC CONDUCTANCE	192	uS/cm
HAA 10C	3/7/2013	SPECIFIC CONDUCTANCE	39	uS/cm
HAA 10C	9/11/2013	SPECIFIC CONDUCTANCE	38	uS/cm
HAA 10D	3/7/2013	SPECIFIC CONDUCTANCE	86	uS/cm
HAA 10D	9/11/2013	SPECIFIC CONDUCTANCE	78	uS/cm
HAA 11B	3/7/2013	SPECIFIC CONDUCTANCE	179	uS/cm
HAA 11B	9/12/2013	SPECIFIC CONDUCTANCE	171	uS/cm
HAA 11C	3/7/2013	SPECIFIC CONDUCTANCE	46	uS/cm
HAA 11C	9/11/2013	SPECIFIC CONDUCTANCE	47	uS/cm
HAA 11D	3/7/2013	SPECIFIC CONDUCTANCE	50	uS/cm
HAA 11D	9/11/2013	SPECIFIC CONDUCTANCE	60	uS/cm
HAA 12B	3/11/2013	SPECIFIC CONDUCTANCE	98	uS/cm
HAA 12B	9/11/2013	SPECIFIC CONDUCTANCE	102	uS/cm
HAA 12C	3/11/2013	SPECIFIC CONDUCTANCE	46	uS/cm
HAA 12C	9/11/2013	SPECIFIC CONDUCTANCE	52	uS/cm
HAA 12D	3/11/2013	SPECIFIC CONDUCTANCE	32	uS/cm
HAA 12D	9/12/2013	SPECIFIC CONDUCTANCE	41	uS/cm
HAA 13B	3/11/2013	SPECIFIC CONDUCTANCE	184	uS/cm
HAA 13B	9/12/2013	SPECIFIC CONDUCTANCE	204	uS/cm
HAA 13C	3/11/2013	SPECIFIC CONDUCTANCE	78	uS/cm
HAA 13C	9/11/2013	SPECIFIC CONDUCTANCE	87	uS/cm
HAA 13D	3/11/2013	SPECIFIC CONDUCTANCE	29	uS/cm
HAA 13D	9/11/2013	SPECIFIC CONDUCTANCE	37	uS/cm
HAA 14B	3/11/2013	SPECIFIC CONDUCTANCE	215	uS/cm
HAA 14B	9/16/2013	SPECIFIC CONDUCTANCE	221	uS/cm
HAA 14C	3/11/2013	SPECIFIC CONDUCTANCE	110	uS/cm
HAA 14C	9/16/2013	SPECIFIC CONDUCTANCE	109	uS/cm
HAA 14D	3/11/2013	SPECIFIC CONDUCTANCE	35	uS/cm
HAA 14D	9/16/2013	SPECIFIC CONDUCTANCE	43	uS/cm
HAA 15B	3/12/2013	SPECIFIC CONDUCTANCE	70	uS/cm
HAA 15B	9/17/2013	SPECIFIC CONDUCTANCE	63	uS/cm
HAA 15C	3/12/2013	SPECIFIC CONDUCTANCE	42	uS/cm
HAA 15C	9/17/2013	SPECIFIC CONDUCTANCE	41	uS/cm
HAA 15D	3/12/2013	SPECIFIC CONDUCTANCE	37	uS/cm
HAA 15D	9/17/2013	SPECIFIC CONDUCTANCE	47	uS/cm
HAA017C	1/14/2013	SPECIFIC CONDUCTANCE	55.2	uS/cm
HAA017C	3/14/2013	SPECIFIC CONDUCTANCE	70	uS/cm
HAA017C	9/23/2013	SPECIFIC CONDUCTANCE	72	uS/cm
HAA017D	1/9/2013	SPECIFIC CONDUCTANCE	87.4	uS/cm
HAA017D	3/25/2013	SPECIFIC CONDUCTANCE	49	uS/cm
HAA017D	9/23/2013	SPECIFIC CONDUCTANCE	63	uS/cm
HAA018C	3/19/2013	SPECIFIC CONDUCTANCE	35	uS/cm
HAA018C	9/23/2013	SPECIFIC CONDUCTANCE	27	uS/cm

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA018D	3/19/2013	SPECIFIC CONDUCTANCE	67	uS/cm
HAA018D	9/23/2013	SPECIFIC CONDUCTANCE	70	uS/cm
HAA019C	3/14/2013	SPECIFIC CONDUCTANCE	120	uS/cm
HAA019C	9/24/2013	SPECIFIC CONDUCTANCE	105	uS/cm
HAA019D	3/14/2013	SPECIFIC CONDUCTANCE	75	uS/cm
HAA019D	9/18/2013	SPECIFIC CONDUCTANCE	55	uS/cm
HAA020C	3/14/2013	SPECIFIC CONDUCTANCE	73	uS/cm
HAA020C	9/17/2013	SPECIFIC CONDUCTANCE	83	uS/cm
HAA020D	3/14/2013	SPECIFIC CONDUCTANCE	93	uS/cm
HAA020D	9/17/2013	SPECIFIC CONDUCTANCE	59	uS/cm
HAA021C	3/18/2013	SPECIFIC CONDUCTANCE	28	uS/cm
HAA021C	9/19/2013	SPECIFIC CONDUCTANCE	27	uS/cm
HAA021D	3/18/2013	SPECIFIC CONDUCTANCE	36	uS/cm
HAA021D	9/18/2013	SPECIFIC CONDUCTANCE	34	uS/cm
FBG001C	3/13/2013	TOTAL ALKALINITY (AS CaCO3)	36	mg/L
FBG001C	9/23/2013	TOTAL ALKALINITY (AS CaCO3)	9	mg/L
FBG001D	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	NA	mg/L
FBG001D	9/19/2013	TOTAL ALKALINITY (AS CaCO3)	NA	mg/L
FTF 19	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
FTF 19	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	8	mg/L
FTF 20	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 20	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	3	mg/L
FTF 22	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 22	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	5	mg/L
FTF 23	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 23	9/19/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 28	2/25/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 28	3/13/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 28	8/13/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF 28	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	1	mg/L
FTF 29	3/13/2013	TOTAL ALKALINITY (AS CaCO3)	99	mg/L
FTF 29	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	121	mg/L
FTF009R	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	33	mg/L
FTF009R	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	34	mg/L
FTF012R	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	17	mg/L
FTF012R	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	14	mg/L
FTF030	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	29	mg/L
FTF030	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	19	mg/L
FTF030D	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	NA	mg/L
FTF030D	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	3	mg/L
FTF031	3/13/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FTF031	9/19/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 1A	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	60	mg/L
HAA 1A	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	56	mg/L
HAA 1C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	35	mg/L
HAA 1C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	39	mg/L

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 1D	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA 1D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA 2B	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	44	mg/L
HAA 2B	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	44	mg/L
HAA 2C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	1	mg/L
HAA 2C	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA 2D	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 2D	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 4B	4/18/2013	TOTAL ALKALINITY (AS CaCO3)	108	mg/L
HAA 4B	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	80	mg/L
HAA 4C	3/18/2013	TOTAL ALKALINITY (AS CaCO3)	44	mg/L
HAA 4C	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	40	mg/L
HAA 4D	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 4D	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 7B	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	14	mg/L
HAA 7B	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA 7C	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	33	mg/L
HAA 7C	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	25	mg/L
HAA 7D	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 7D	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 8B	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	8	mg/L
HAA 8B	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA 8C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 8C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 8D	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 8D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 9B	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	108	mg/L
HAA 9B	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	109	mg/L
HAA 9C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	5	mg/L
HAA 9C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	4	mg/L
HAA 9D	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	1	mg/L
HAA 9D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA 10B	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	78	mg/L
HAA 10B	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	77	mg/L
HAA 10C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	5	mg/L
HAA 10C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	6	mg/L
HAA 10D	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 10D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA 11B	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	69	mg/L
HAA 11B	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	66	mg/L
HAA 11C	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	9	mg/L
HAA 11C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	11	mg/L
HAA 11D	3/7/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 11D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA 12B	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	60	mg/L
HAA 12B	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	31	mg/L

2013 Field Measurements for F and H Area Tank Farms

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 12C	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	4	mg/L
HAA 12C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 12D	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 12D	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	1	mg/L
HAA 13B	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	79	mg/L
HAA 13B	9/12/2013	TOTAL ALKALINITY (AS CaCO3)	98	mg/L
HAA 13C	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	30	mg/L
HAA 13C	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	27	mg/L
HAA 13D	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 13D	9/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 14B	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	9	mg/L
HAA 14B	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	82	mg/L
HAA 14C	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	42	mg/L
HAA 14C	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	36	mg/L
HAA 14D	3/11/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 14D	9/16/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 15B	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	23	mg/L
HAA 15B	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	19	mg/L
HAA 15C	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	5	mg/L
HAA 15C	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	8	mg/L
HAA 15D	3/12/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA 15D	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA017C	3/14/2013	TOTAL ALKALINITY (AS CaCO3)	21	mg/L
HAA017C	9/23/2013	TOTAL ALKALINITY (AS CaCO3)	35	mg/L
HAA017D	3/25/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA017D	9/23/2013	TOTAL ALKALINITY (AS CaCO3)	27	mg/L
HAA018C	3/19/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA018C	9/23/2013	TOTAL ALKALINITY (AS CaCO3)	4	mg/L
HAA018D	3/19/2013	TOTAL ALKALINITY (AS CaCO3)	7	mg/L
HAA018D	9/23/2013	TOTAL ALKALINITY (AS CaCO3)	17	mg/L
HAA019C	3/14/2013	TOTAL ALKALINITY (AS CaCO3)	46	mg/L
HAA019C	9/24/2013	TOTAL ALKALINITY (AS CaCO3)	27	mg/L
HAA019D	3/14/2013	TOTAL ALKALINITY (AS CaCO3)	17	mg/L
HAA019D	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
HAA020C	3/14/2013	TOTAL ALKALINITY (AS CaCO3)	31	mg/L
HAA020C	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	24	mg/L
HAA020D	3/14/2013	TOTAL ALKALINITY (AS CaCO3)	31	mg/L
HAA020D	9/17/2013	TOTAL ALKALINITY (AS CaCO3)	13	mg/L
HAA021C	3/18/2013	TOTAL ALKALINITY (AS CaCO3)	1	mg/L
HAA021C	9/19/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA021D	3/18/2013	TOTAL ALKALINITY (AS CaCO3)	2	mg/L
HAA021D	9/18/2013	TOTAL ALKALINITY (AS CaCO3)	0	mg/L
FBG001C	3/13/2013	TURBIDITY	7	NTU
FBG001C	9/23/2013	TURBIDITY	1.3	NTU
FBG001D	3/12/2013	TURBIDITY	NA	NTU
FBG001D	9/19/2013	TURBIDITY	NA	NTU

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Well Name	Collection Date	ANALYTE	Result	UNITS
FTF 19	3/11/2013	TURBIDITY	0.3	NTU
FTF 19	9/18/2013	TURBIDITY	0.3	NTU
FTF 20	3/11/2013	TURBIDITY	0.7	NTU
FTF 20	9/18/2013	TURBIDITY	0.2	NTU
FTF 22	3/11/2013	TURBIDITY	3	NTU
FTF 22	9/18/2013	TURBIDITY	0.5	NTU
FTF 23	3/11/2013	TURBIDITY	0.5	NTU
FTF 23	9/19/2013	TURBIDITY	0.2	NTU
FTF 28	2/25/2013	TURBIDITY	0.1	NTU
FTF 28	3/13/2013	TURBIDITY	0.7	NTU
FTF 28	8/13/2013	TURBIDITY	0.2	NTU
FTF 28	9/16/2013	TURBIDITY	0.1	NTU
FTF 29	3/13/2013	TURBIDITY	2.7	NTU
FTF 29	9/16/2013	TURBIDITY	4.7	NTU
FTF009R	3/12/2013	TURBIDITY	9.8	NTU
FTF009R	9/16/2013	TURBIDITY	9.5	NTU
FTF012R	3/12/2013	TURBIDITY	4	NTU
FTF012R	9/18/2013	TURBIDITY	1	NTU
FTF030	3/11/2013	TURBIDITY	1.3	NTU
FTF030	9/16/2013	TURBIDITY	0.7	NTU
FTF030D	3/12/2013	TURBIDITY	NA	NTU
FTF030D	9/16/2013	TURBIDITY	14.8	NTU
FTF031	3/13/2013	TURBIDITY	1.2	NTU
FTF031	9/19/2013	TURBIDITY	0.3	NTU
HAA 1A	3/7/2013	TURBIDITY	0.4	NTU
HAA 1A	9/11/2013	TURBIDITY	0.9	NTU
HAA 1C	3/7/2013	TURBIDITY	0.9	NTU
HAA 1C	9/11/2013	TURBIDITY	0.4	NTU
HAA 1D	3/7/2013	TURBIDITY	1.7	NTU
HAA 1D	9/11/2013	TURBIDITY	12.8	NTU
HAA 2B	3/7/2013	TURBIDITY	0.8	NTU
HAA 2B	9/12/2013	TURBIDITY	0.2	NTU
HAA 2C	3/7/2013	TURBIDITY	0.3	NTU
HAA 2C	9/12/2013	TURBIDITY	0.7	NTU
HAA 2D	3/12/2013	TURBIDITY	0.8	NTU
HAA 2D	9/12/2013	TURBIDITY	0.8	NTU
HAA 4B	4/18/2013	TURBIDITY	13.5	NTU
HAA 4B	9/17/2013	TURBIDITY	7.1	NTU
HAA 4C	3/18/2013	TURBIDITY	0.5	NTU
HAA 4C	9/16/2013	TURBIDITY	0.3	NTU
HAA 4D	3/11/2013	TURBIDITY	2.5	NTU
HAA 4D	9/16/2013	TURBIDITY	2.8	NTU
HAA 7B	3/12/2013	TURBIDITY	1.6	NTU
HAA 7B	9/12/2013	TURBIDITY	1	NTU
HAA 7C	3/12/2013	TURBIDITY	0.8	NTU
HAA 7C	9/12/2013	TURBIDITY	0.7	NTU

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 7D	3/12/2013	TURBIDITY	0.3	NTU
HAA 7D	9/12/2013	TURBIDITY	5.7	NTU
HAA 8B	3/7/2013	TURBIDITY	0.4	NTU
HAA 8B	9/11/2013	TURBIDITY	0.4	NTU
HAA 8C	3/7/2013	TURBIDITY	0.3	NTU
HAA 8C	9/11/2013	TURBIDITY	0.5	NTU
HAA 8D	3/7/2013	TURBIDITY	0.4	NTU
HAA 8D	9/11/2013	TURBIDITY	0.6	NTU
HAA 9B	3/7/2013	TURBIDITY	4.5	NTU
HAA 9B	9/11/2013	TURBIDITY	0.7	NTU
HAA 9C	3/7/2013	TURBIDITY	6.9	NTU
HAA 9C	9/11/2013	TURBIDITY	1.2	NTU
HAA 9D	3/7/2013	TURBIDITY	0.4	NTU
HAA 9D	9/11/2013	TURBIDITY	1.6	NTU
HAA 10B	3/7/2013	TURBIDITY	4.4	NTU
HAA 10B	9/11/2013	TURBIDITY	0.8	NTU
HAA 10C	3/7/2013	TURBIDITY	1.4	NTU
HAA 10C	9/11/2013	TURBIDITY	1.3	NTU
HAA 10D	3/7/2013	TURBIDITY	1	NTU
HAA 10D	9/11/2013	TURBIDITY	0.5	NTU
HAA 11B	3/7/2013	TURBIDITY	1.3	NTU
HAA 11B	9/12/2013	TURBIDITY	1.3	NTU
HAA 11C	3/7/2013	TURBIDITY	1.2	NTU
HAA 11C	9/11/2013	TURBIDITY	0.3	NTU
HAA 11D	3/7/2013	TURBIDITY	2.2	NTU
HAA 11D	9/11/2013	TURBIDITY	2.1	NTU
HAA 12B	3/11/2013	TURBIDITY	2.2	NTU
HAA 12B	9/11/2013	TURBIDITY	0.8	NTU
HAA 12C	3/11/2013	TURBIDITY	3.8	NTU
HAA 12C	9/11/2013	TURBIDITY	1	NTU
HAA 12D	3/11/2013	TURBIDITY	0.7	NTU
HAA 12D	9/12/2013	TURBIDITY	0.3	NTU
HAA 13B	3/11/2013	TURBIDITY	0.2	NTU
HAA 13B	9/12/2013	TURBIDITY	0.8	NTU
HAA 13C	3/11/2013	TURBIDITY	2.5	NTU
HAA 13C	9/11/2013	TURBIDITY	0.6	NTU
HAA 13D	3/11/2013	TURBIDITY	179	NTU
HAA 13D	9/11/2013	TURBIDITY	4.7	NTU
HAA 14B	3/11/2013	TURBIDITY	0.7	NTU
HAA 14B	9/16/2013	TURBIDITY	0.2	NTU
HAA 14C	3/11/2013	TURBIDITY	0.7	NTU
HAA 14C	9/16/2013	TURBIDITY	0.4	NTU
HAA 14D	3/11/2013	TURBIDITY	2	NTU
HAA 14D	9/16/2013	TURBIDITY	0.5	NTU
HAA 15B	3/12/2013	TURBIDITY	10.9	NTU
HAA 15B	9/17/2013	TURBIDITY	1.7	NTU

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 15C	3/12/2013	TURBIDITY	1	NTU
HAA 15C	9/17/2013	TURBIDITY	0.2	NTU
HAA 15D	3/12/2013	TURBIDITY	2	NTU
HAA 15D	9/17/2013	TURBIDITY	3.2	NTU
HAA017C	1/14/2013	TURBIDITY	6.71	NTU
HAA017C	3/14/2013	TURBIDITY	11.9	NTU
HAA017C	9/23/2013	TURBIDITY	2.5	NTU
HAA017D	1/9/2013	TURBIDITY	21.8	NTU
HAA017D	3/25/2013	TURBIDITY	45	NTU
HAA017D	9/23/2013	TURBIDITY	13.1	NTU
HAA018C	3/19/2013	TURBIDITY	0.8	NTU
HAA018C	9/23/2013	TURBIDITY	0.5	NTU
HAA018D	3/19/2013	TURBIDITY	3.5	NTU
HAA018D	9/23/2013	TURBIDITY	2.8	NTU
HAA019C	3/14/2013	TURBIDITY	1.2	NTU
HAA019C	9/24/2013	TURBIDITY	1.2	NTU
HAA019D	3/14/2013	TURBIDITY	6	NTU
HAA019D	9/18/2013	TURBIDITY	3.5	NTU
HAA020C	3/14/2013	TURBIDITY	1.9	NTU
HAA020C	9/17/2013	TURBIDITY	1.6	NTU
HAA020D	3/14/2013	TURBIDITY	23.5	NTU
HAA020D	9/17/2013	TURBIDITY	4.6	NTU
HAA021C	3/18/2013	TURBIDITY	0.7	NTU
HAA021C	9/19/2013	TURBIDITY	0.4	NTU
HAA021D	3/18/2013	TURBIDITY	2.7	NTU
HAA021D	9/18/2013	TURBIDITY	9.5	NTU
FBG001C	3/13/2013	WATER TEMPERATURE	20.9	degC
FBG001C	9/23/2013	WATER TEMPERATURE	20.9	degC
FBG001D	3/12/2013	WATER TEMPERATURE	NA	degC
FBG001D	9/19/2013	WATER TEMPERATURE	NA	degC
FTF 19	3/11/2013	WATER TEMPERATURE	23.5	degC
FTF 19	9/18/2013	WATER TEMPERATURE	26	degC
FTF 20	3/11/2013	WATER TEMPERATURE	28.4	degC
FTF 20	9/18/2013	WATER TEMPERATURE	29.5	degC
FTF 22	3/11/2013	WATER TEMPERATURE	28	degC
FTF 22	9/18/2013	WATER TEMPERATURE	28.5	degC
FTF 23	3/11/2013	WATER TEMPERATURE	24.6	degC
FTF 23	9/19/2013	WATER TEMPERATURE	25.8	degC
FTF 28	2/25/2013	WATER TEMPERATURE	22.7	degC
FTF 28	3/13/2013	WATER TEMPERATURE	23.8	degC
FTF 28	8/13/2013	WATER TEMPERATURE	23.5	degC
FTF 28	9/16/2013	WATER TEMPERATURE	24.6	degC
FTF 29	3/13/2013	WATER TEMPERATURE	21.4	degC
FTF 29	9/16/2013	WATER TEMPERATURE	22.2	degC
FTF009R	3/12/2013	WATER TEMPERATURE	21.7	degC
FTF009R	9/16/2013	WATER TEMPERATURE	23.8	degC

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Well Name	Collection Date	ANALYTE	Result	UNITS
FTF012R	3/12/2013	WATER TEMPERATURE	23.7	degC
FTF012R	9/18/2013	WATER TEMPERATURE	24	degC
FTF030	3/11/2013	WATER TEMPERATURE	24.4	degC
FTF030	9/16/2013	WATER TEMPERATURE	26	degC
FTF030D	3/12/2013	WATER TEMPERATURE	NA	degC
FTF030D	9/16/2013	WATER TEMPERATURE	27.6	degC
FTF031	3/13/2013	WATER TEMPERATURE	22.4	degC
FTF031	9/19/2013	WATER TEMPERATURE	22	degC
HAA 1A	3/7/2013	WATER TEMPERATURE	19.4	degC
HAA 1A	9/11/2013	WATER TEMPERATURE	20.2	degC
HAA 1C	3/7/2013	WATER TEMPERATURE	19.3	degC
HAA 1C	9/11/2013	WATER TEMPERATURE	19.5	degC
HAA 1D	3/7/2013	WATER TEMPERATURE	20.7	degC
HAA 1D	9/11/2013	WATER TEMPERATURE	22.2	degC
HAA 2B	3/7/2013	WATER TEMPERATURE	21.1	degC
HAA 2B	9/12/2013	WATER TEMPERATURE	20.2	degC
HAA 2C	3/7/2013	WATER TEMPERATURE	20.4	degC
HAA 2C	9/12/2013	WATER TEMPERATURE	20.4	degC
HAA 2D	3/12/2013	WATER TEMPERATURE	26.2	degC
HAA 2D	9/12/2013	WATER TEMPERATURE	22.5	degC
HAA 4B	4/18/2013	WATER TEMPERATURE	22	degC
HAA 4B	9/17/2013	WATER TEMPERATURE	21.6	degC
HAA 4C	3/18/2013	WATER TEMPERATURE	22	degC
HAA 4C	9/16/2013	WATER TEMPERATURE	22.5	degC
HAA 4D	3/11/2013	WATER TEMPERATURE	25	degC
HAA 4D	9/16/2013	WATER TEMPERATURE	25.1	degC
HAA 7B	3/12/2013	WATER TEMPERATURE	22.5	degC
HAA 7B	9/12/2013	WATER TEMPERATURE	21.2	degC
HAA 7C	3/12/2013	WATER TEMPERATURE	22.9	degC
HAA 7C	9/12/2013	WATER TEMPERATURE	22.8	degC
HAA 7D	3/12/2013	WATER TEMPERATURE	24.3	degC
HAA 7D	9/12/2013	WATER TEMPERATURE	22	degC
HAA 8B	3/7/2013	WATER TEMPERATURE	19.4	degC
HAA 8B	9/11/2013	WATER TEMPERATURE	20.2	degC
HAA 8C	3/7/2013	WATER TEMPERATURE	19.6	degC
HAA 8C	9/11/2013	WATER TEMPERATURE	20.4	degC
HAA 8D	3/7/2013	WATER TEMPERATURE	21	degC
HAA 8D	9/11/2013	WATER TEMPERATURE	20.8	degC
HAA 9B	3/7/2013	WATER TEMPERATURE	21.2	degC
HAA 9B	9/11/2013	WATER TEMPERATURE	21	degC
HAA 9C	3/7/2013	WATER TEMPERATURE	20.7	degC
HAA 9C	9/11/2013	WATER TEMPERATURE	21.2	degC
HAA 9D	3/7/2013	WATER TEMPERATURE	21.7	degC
HAA 9D	9/11/2013	WATER TEMPERATURE	21	degC
HAA 10B	3/7/2013	WATER TEMPERATURE	22	degC
HAA 10B	9/11/2013	WATER TEMPERATURE	22.9	degC

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA 10C	3/7/2013	WATER TEMPERATURE	21	degC
HAA 10C	9/11/2013	WATER TEMPERATURE	23.1	degC
HAA 10D	3/7/2013	WATER TEMPERATURE	22	degC
HAA 10D	9/11/2013	WATER TEMPERATURE	24.6	degC
HAA 11B	3/7/2013	WATER TEMPERATURE	22.6	degC
HAA 11B	9/12/2013	WATER TEMPERATURE	23.2	degC
HAA 11C	3/7/2013	WATER TEMPERATURE	22	degC
HAA 11C	9/11/2013	WATER TEMPERATURE	23	degC
HAA 11D	3/7/2013	WATER TEMPERATURE	25.3	degC
HAA 11D	9/11/2013	WATER TEMPERATURE	26.2	degC
HAA 12B	3/11/2013	WATER TEMPERATURE	24.7	degC
HAA 12B	9/11/2013	WATER TEMPERATURE	24.6	degC
HAA 12C	3/11/2013	WATER TEMPERATURE	20.9	degC
HAA 12C	9/11/2013	WATER TEMPERATURE	22	degC
HAA 12D	3/11/2013	WATER TEMPERATURE	24.8	degC
HAA 12D	9/12/2013	WATER TEMPERATURE	26	degC
HAA 13B	3/11/2013	WATER TEMPERATURE	22.8	degC
HAA 13B	9/12/2013	WATER TEMPERATURE	23.2	degC
HAA 13C	3/11/2013	WATER TEMPERATURE	21.9	degC
HAA 13C	9/11/2013	WATER TEMPERATURE	21.9	degC
HAA 13D	3/11/2013	WATER TEMPERATURE	22.6	degC
HAA 13D	9/11/2013	WATER TEMPERATURE	29.2	degC
HAA 14B	3/11/2013	WATER TEMPERATURE	22	degC
HAA 14B	9/16/2013	WATER TEMPERATURE	22.4	degC
HAA 14C	3/11/2013	WATER TEMPERATURE	21.1	degC
HAA 14C	9/16/2013	WATER TEMPERATURE	21.8	degC
HAA 14D	3/11/2013	WATER TEMPERATURE	25.5	degC
HAA 14D	9/16/2013	WATER TEMPERATURE	25.3	degC
HAA 15B	3/12/2013	WATER TEMPERATURE	22.9	degC
HAA 15B	9/17/2013	WATER TEMPERATURE	23.7	degC
HAA 15C	3/12/2013	WATER TEMPERATURE	22	degC
HAA 15C	9/17/2013	WATER TEMPERATURE	23.7	degC
HAA 15D	3/12/2013	WATER TEMPERATURE	24.3	degC
HAA 15D	9/17/2013	WATER TEMPERATURE	23.7	degC
HAA017C	1/14/2013	WATER TEMPERATURE	22.1	degC
HAA017C	3/14/2013	WATER TEMPERATURE	21	degC
HAA017C	9/23/2013	WATER TEMPERATURE	21.9	degC
HAA017D	1/9/2013	WATER TEMPERATURE	24.2	degC
HAA017D	3/25/2013	WATER TEMPERATURE	20.8	degC
HAA017D	9/23/2013	WATER TEMPERATURE	23.3	degC
HAA018C	3/19/2013	WATER TEMPERATURE	20.4	degC
HAA018C	9/23/2013	WATER TEMPERATURE	20.6	degC
HAA018D	3/19/2013	WATER TEMPERATURE	22.4	degC
HAA018D	9/23/2013	WATER TEMPERATURE	22.5	degC
HAA019C	3/14/2013	WATER TEMPERATURE	19	degC
HAA019C	9/24/2013	WATER TEMPERATURE	20.3	degC

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Well Name	Collection Date	ANALYTE	Result	UNITS
HAA019D	3/14/2013	WATER TEMPERATURE	23.8	degC
HAA019D	9/18/2013	WATER TEMPERATURE	25.4	degC
HAA020C	3/14/2013	WATER TEMPERATURE	21.5	degC
HAA020C	9/17/2013	WATER TEMPERATURE	21.3	degC
HAA020D	3/14/2013	WATER TEMPERATURE	20.1	degC
HAA020D	9/17/2013	WATER TEMPERATURE	23.9	degC
HAA021C	3/18/2013	WATER TEMPERATURE	21	degC
HAA021C	9/19/2013	WATER TEMPERATURE	21.8	degC
HAA021D	3/18/2013	WATER TEMPERATURE	24.2	degC
HAA021D	9/18/2013	WATER TEMPERATURE	24.4	degC