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2016 Annual Groundwater Monitoring Report For the F- and H-Area Radioactive Liquid Waste Tank Farms (U)

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LIST OF ABBREVIATIONS AND ACROYNMS

~	approximate, approximately
ft	feet, foot
FIPSL	F-Area Inactive Process Sewer Line
FTF	F-Area Tank Farm
GAU	Gordon Aquifer Unit
GCU	Gordon Confining Unit
HIPSL	H-Area Inactive Process Sewer Line
HTF	H-Area Tank Farm
in.	inch
LAZ	Lower Aquifer Zone
µg/L	microgram per liter
MCL	Maximum Contaminant Level
mg/L	milligram per liter
msl	mean sea level
pCi/L	picocurie per liter
pCi/mL	picocurie per milliliter
RPD	Relative Percent Difference
RSL	Regional Screening Level
SAP	Sampling Analysis Plan
SCDHEC	South Carolina Department of Health and Environmental Control
SQL	Sample Quantitation Limit
SRS	Savannah River Site
UAZ	Upper Aquifer Zone
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
UTRA	Upper Three Runs Aquifer

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring at the F-Area and H-Area Radioactive Liquid Waste Tank Farms for calendar year 2016. As required by the Industrial Wastewater General Closure Plans for the F-Area Waste Tank Systems (LWO 2009) and H-Area Waste Tank Systems (SRR 2011), 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 F-Area Tank Farm (FTF) and H-Area Tank Farm (HTF) Operable Units. In December 2012, the United States Environmental Protection Agency (USEPA) 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 2012a*)* and the *H-Area Tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan (*SRNS 2012b*)* provide specific details of the groundwater monitoring programs. During scoping of the monitoring strategy and development of the sampling plans, the United States Department of Energy (USDOE), USEPA, and SCDHEC identified gaps in the existing well coverage. Subsequently, new wells were installed at agreed upon locations at both the FTF and HTF to fill as many data gaps as possible. Placement of additional future wells is limited by existing active utilities and operating facilities and additional well installation will not be possible until closure of the FTF and HTF.

In 2016, Savannah River Site (SRS) performed sampling according to the SAPs for the FTF and HTF. SRS collected samples during the first and third calendar year quarters for 12 of 13 wells (one well was dry) at the FTF and 46 wells at the HTF. During both sampling events, FTF background well FBG 1D was dry. Table 1 provides a list of wells sampled for each facility's monitoring program.

During 2016, SRS recorded 54.31 inches (in.) of precipitation as measured at the H-Area weather station. This amount of precipitation was greater than the 30-year average (46.7 in. per year) and is considered above-normal rainfall for SRS. The FTF average groundwater elevations for the Upper Aquifer Zone (UAZ) and Lower Aquifer Zone (LAZ) are approximately (~) 220- and 209-feet (ft) above mean sea level (msl), respectively. In 2016, FTF groundwater elevations for the UAZ were ~1-ft above normal levels and groundwater elevations for the LAZ were ~3-ft above normal. At the HTF average groundwater elevations for the UAZ and LAZ are ~270- and 250-ft above msl, respectively. In 2016, HTF UAZ elevations were ~2-ft above normal levels and LAZ elevations were 2-4-ft above normal levels.

Overall, the monitoring results, presented in Attachments A and B, are similar to those from past years. In 2016, no results indicated new releases to groundwater. The water level measurements showed flow paths similar to those from past years.

2.0 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 ~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 Confining Zone divides the UTRA into the UAZ and the 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. A groundwater divide is present beneath both tank farms and shallow groundwater flow roughly mirrors surface topography flowing “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 northwest to Upper Three Runs.

3.0 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 downgradient perimeter of the FTF and includes wells screened in the UAZ (7) and LAZ (4) and two background wells (UAZ and LAZ). The 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 2016, SRS sampled all thirteen FTF monitoring wells in the first and third calendar quarters. All of the wells were sampled as scheduled except for well FBG 1D, the background well in the UAZ. The water table is thin in the area of FBG 1D and even though the well screen is located at the bottom of the aquifer, not enough water was present to collect for sampling in either

quarter after repeated attempts. However, samples were successfully collected from LAZ background well FBG 1C. Figures 6 and 7 provide the 2016 water level maps from the third quarter of 2016 for the UAZ and LAZ, respectively.

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 concentrations in the groundwater. 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 performs contingent analyses for specific radionuclides if screening results for gross alpha or nonvolatile beta exceed trigger levels of 15 picocuries per liter (pCi/L) and 50 pCi/L, respectively. In 2016, wells FTF 28 and FTF 12R exceeded a screening trigger level (nonvolatile beta) and contingency analyses were performed. The results of the contingency analyses are discussed in more detail below.

Attachment A contains the laboratory results and field measurements for FTF monitoring wells 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 2a provides a summary of the 2016 monitoring results and for comparison, a summary of historical monitoring results is provided in Table 2b.

Overall, the monitoring results are similar to those from previous years. Laboratory results indicate low concentrations of nitrate-nitrite, 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

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 milligram per liter [mg/L]) for nitrate in all samples. The maximum concentration was 7.4 mg/L and occurred in the LAZ background well FBG 1C.

Tritium

Tritium was either detectable or qualified "J" in every well at the FTF. The "J" qualifier for tritium results means the constituent was tentatively identified, but below the sample quantitation limit (SQL) and thus cannot be accurately quantified. Tritium was below the MCL (20 pCi/mL) in every well but one (FTF 30D). The maximum result was 42.8 pCi/mL collected in September 2016. In previous years, tritium has been detected greater than the MCL in UAZ well FTF 30D.

Tritium levels over time at FTF 30D were: 81.3 picocuries per milliliter (pCi/mL) (2013), 53.6 pCi/mL and 16.1 pCi/mL (2014), 16.7 pCi/mL and 10.3 pCi/mL (2015), and 23.5 pCi/mL and 42.8 pCi/mL (2016). Upgradient of FTF 30D, the tritium levels are very low. The maximum tritium concentration at up gradient UAZ wells FTF 20 and FTF 22 was 1.71 pCi/mL. The maximum tritium result from the remaining wells sampled at the FTF was 5.73 pCi/mL in well FTF 29. SRS will continue to monitor and evaluate tritium at the FTF.

Gross Alpha

Gross alpha was detectable in approximately half of the 32 samples, but only one sample was determined to be accurately quantifiable above the laboratory SQL. FTF 28 had one "J" qualified result of 20.2 pCi/L on a field duplicate, but this was not a valid result because the relative percent difference (RPD) was out of the required limit and the original sample result was non-detect. The maximum quantifiable gross alpha concentration (11.1 pCi/L) was detected at well FTF 19. The maximum did not exceed the trigger level of 15 pCi/L. The alpha concentration is likely from the decay of radon-222 and its progeny, as naturally-occurring radium-226 was detected in several FTF wells. Overall, gross alpha concentrations were consistent with results from 2015.

Cadmium and Chromium

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 SQL and thus cannot be accurately quantified. The majority of the cadmium results were non-detect and only two results were above the SQL. Similar to previous years, the only positive cadmium result occurred at background well FBG 1C. The maximum result for cadmium was 0.9 micrograms per liter (µg/L) and did not exceed the MCL (5 µg/L). Cadmium and chromium were detected in 14 out of 58 samples and all of the detected concentrations were below the MCLs. The 2016 monitoring results are consistent with results from previous years.

Manganese and Sodium

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. In 2016, manganese was below the drinking water regional screening level (RSL) (430 µg/L) at all wells with a maximum concentration of 187 µg/L at well FTF 9R (significantly lower than 2013 and 2014 maximum results). The background concentration for manganese (140 µg/L) was elevated compared to most of the FTF monitoring wells but below the RSL. Manganese levels at the remaining wells did not exceed 102 µg/L.

Historically, manganese was initially elevated in the new wells installed during 2012. In most cases, the maximum concentration occurred shortly after the well was installed. Figure 8 shows decreasing concentrations of manganese after installation for most of the new wells. For example, the maximum concentration measured in 2012 was 1,990 µg/L at well FTF 30. Samples collected from FTF 30 in 2012 and 2013 produced results of 935, 335, and 163 µg/L, respectively. Similar decreases were observed at new wells FBG 1C, FTF 12R, and FTF 30D.

SRS believes the downward trend in manganese concentration is due to improved well development over time caused by purging during sample collection. The reductions in manganese appear unrelated to turbidity because turbidity values have been less than 10 nephelometric turbidity units in every well except for FTF 30D. The time trend graph in Figure 8 shows that manganese concentrations in all of the new wells have decreased to below the RSL.

The only exception to the decreasing trend following well installation was well FTF 9R. In this well, following installation, manganese concentrations increased from 1,090 µg/L to 2,060 µg/L. Unlike the other new wells, FTF 9R 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 9R has been either directly or indirectly impacted by the FIPSL. In 2015 and 2016, manganese concentrations at FTF 9R have decreased. The February 2015 sample was only slightly lower than the RSL at 395 µg/L. However, the December 2015 and 2016 manganese results were significantly lower at 59.5 µg/L (2015), and 48.8 µg/L and 187 µg/L (2016) and is now within the range of the other FTF monitoring wells. SRS will continue to monitor and evaluate manganese trends at the FTF.

Sodium levels were the highest at wells FTF 20 and FTF 22. The maximum sodium concentration was 13,700 µg/L at FTF 22. Background concentrations for sodium were also higher than half of the other monitoring wells, which averaged ~5,600 µg/L. There is no MCL or RSL for sodium.

Nonvolatile Beta

Nonvolatile beta was detected above the SQL in six of 32 samples. However, only three of the six detections exceeded the screening level of 50 pCi/L, with one from well FTF 28 and two from FTF 12R. Nonvolatile beta has historically been elevated in FTF 28 and this has been documented in previous groundwater reports. In 2015, levels at FTF 28 ranged from 670 pCi/L to the maximum of 827 pCi/L. The maximum concentration for 2016 was 624 pCi/L. As shown in Figure 9 concentrations were similar to previous years. At FTF 12R, prior to 2014, nonvolatile beta has been below 50 pCi/L in previous samples. However, in 2014, nonvolatile beta levels in FTF 12R were 51.7 pCi/L and 297 pCi/L, in 2015, the levels were 93.1 pCi/L and 158 pCi/L, and in 2016 the levels were 154 pCi/L and 139 pCi/L. Contingent analyses (e.g., beta/gamma speciation) were performed on samples from FTF 12R and FTF 28 to determine the isotope(s) responsible for the beta concentration. The results of the contingent analyses are discussed below.

The 2016 monitoring continues to indicate the existence of a nonvolatile beta plume in the LAZ downgradient of the FTF. The plume extends from FTF 28/12R to the southwest through well FSL 11C for ~3,000 ft. The extent of the plume is monitored by the General Separations Area

Western Groundwater Operable Unit. As reported in previous years, leaks from the FIPSL are the likely source of the plume. 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. In 2016, groundwater in the LAZ beneath the FTF had an average pH of 5.5. As shown in Figure 10, the hydrogen ion content at FTF 28 is significantly elevated compared to nearby 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 and FTF 12R. The additional analyses are provided in Attachment A. The only constituents detected were bismuth-214 (176 pCi/L), lead-214 (182 pCi/L), radium-226 (1.95 pCi/L), radium-228 (1.4 pCi/L), strontium-90 (13.1 pCi/L), and technetium-99 (1,480 pCi/L). The third quarter original sample and lab duplicate results for strontium-90 produced results above the MCL at 10.9 pCi/L and 13.1 pCi/L, respectively. However, these results were "J" qualified because they were below the SQL and not accurately quantifiable. The February 2016 result for strontium-90 was non-detect. Radium was below the MCL.

At FTF 19, 20 and 28, iodine-129 was also detected in the third quarter samples, however these results were "j" qualified because they were below the SQL. These wells do not have a history of detecting iodine-129. In groundwater, detecting the presence of iodine-129 at levels near the MCL is a challenge because the MCL of 1 pCi/L is very low and near the analytical MDL of the contracted laboratories. For example, at FTF 28, the average MDL over the past ten years was 0.85 pCi/L (48 samples). Although this average is less than the MCL, some samples had MDLs greater than the MCL up to a maximum MDL of 1.44 pCi/L. Based on years of groundwater monitoring at SRS, if iodine-129 is actually present, concentrations will not remain at or below the MCL for very long and will be quantifiable using existing analytical methods. SRS will continue to sample for I-129 at the FTF.

In addition to technetium-99, elevated levels of bismuth-214 and lead-214 were measured in wells FTF 12R and FTF 28. The presence of these isotopes indicates the decay of radium-226 into radon-222. The decay of radon daughter products produces elevated levels of beta radiation associated with the decay of bismuth-214 and lead-214. Since the level of technetium-99 at FTF 12R is much lower than FTF 28, the decay of radon is likely the source of most of the nonvolatile beta measured at FTF 12R.

Technetium-99

Technetium-99 has previously been detected in wells FTF 28 and FTF 12R, and has previously been greater than the MCL (900 pCi/L) in well FTF 28. In 2016, technetium-99 levels were essentially the same as last year at 1,480 pCi/L at FTF 28. Concentration trends for technetium-99 and nonvolatile beta in well FTF 28 are provided in Figure 9. At well FTF 12R, technetium-99 was 252 pCi/L and similar to levels measured last year. SRS will continue to monitor nonvolatile beta and technetium-99 at well FTF 28 and for technetium-99 at well FTF 12R when nonvolatile beta exceeds 50 pCi/L.

4.0 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 downgradient perimeter of the HTF and consists of wells screened in the UAZ (17), LAZ (28), and GAU (1) including three background wells. The wells are set in three aquifer zones. The "A" wells are set in the GAU. 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 third quarter 2016 water levels for the UAZ, LAZ, and GAU, respectively.

In 2016, all 46 HTF monitoring wells were sampled 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 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 or nonvolatile beta exceed trigger levels of 15 pCi/L and 50 pCi/L, respectively, then contingent analyses for specific radionuclides would be performed. In 2016, well HAA 8D exceeded a screening trigger level (nonvolatile beta); however, this result appears to be anomalous. The results of the contingency analyses are discussed in more detail below.

Attachment B contains the laboratory results and field measurements for HTF monitoring wells 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 3a provides a summary of the 2016 monitoring results. For comparison, a summary of historical monitoring results is provided in Table 3b.

Overall, the 2016 sample results were similar to those from previous years. Analytical results indicated low concentrations of nitrate-nitrite and tritium in most wells, and the concentrations are consistent with past results. Sampling also detected manganese and sodium, which are naturally-occurring in aquifer sediments at SRS. Results for specific constituents are discussed in more detail below.

Nitrate-nitrite

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 (7.96 mg/L) was measured in UAZ well HAA 4D (same well as in 2015). The average concentration of all samples for nitrate-nitrite that were greater than the laboratory SQL was 1.15 mg/L.

Tritium

Tritium was detectable in HTF wells but was below the MCL in every well but one. Well HAA 12C measured tritium greater than the MCL (20 pCi/mL) with a maximum result of 60.8 pCi/mL. As reported in the HTF SAP, tritium has been detected beneath the HTF up to 355 pCi/mL (HTF 12, 1986). 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 (UAZ and LAZ). In 2016, concentrations were steady in HAA 12D and decreasing in HAA 12C. Figure 17 shows the maximum tritium concentrations in 2016 for the UTRA. The extent of the tritium plume is monitored by the General Separations Area Eastern Groundwater Operable Unit monitoring program.

Gross Alpha

Gross alpha was detected in nine of the 115 samples collected, but only one of the nine samples had levels measurable above the SQL. The maximum gross alpha concentration (9.79 pCi/L) was similar to last year's maximum result detected at well HAA 4D. Because gross alpha exceeded 15 pCi/L at HAA 4D in 2014, isotopic speciation was performed this year for specific radionuclides. All process related isotopes (americium-241, curium-245/246, plutonium-238,-239/240, and uranium-238) were non-detect. This supports the conclusion that the very low levels of gross alpha at well HAA 4D are likely naturally occurring and not derived from the HTF. The additional analyses are provided in Attachment B.

Cadmium and Chromium

Out of 215 samples, 199 results for cadmium and for chromium were qualified "U" or "J" meaning the constituent was either not detected or was tentatively identified, but below the SQL and thus cannot be accurately quantified. The maximum concentration of chromium was measured at UAZ well HAA 13D (15.8 µg/L) and was well below the MCL of 100 µg/L. In 2016, cadmium at well HAA 1D (5.53 µg/L) was greater than the MCL (5 µg/L). This result appears to be anomalous as cadmium results have historically been non-detect at HAA 1D and all the other H-Area Tank Farm wells (Table 3b). In addition to historical results, the third quarter result for well HAA 1D was non-detect. Approximately 90% of the cadmium and 50% of the chromium samples were non-detect.

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 SQL (maximum estimated result was 2.5 µg/L) since monitoring began, thus the 2011 result of 487 µg/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 since 2013 supports this conclusion. 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

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. Manganese was detected above the SQL in 39 of 104 samples with a maximum concentration of 358 µg/L (UAZ well HAA 10D). The average concentration for all samples was 45.1 µg/L. Manganese did not exceed the RSL (430 µg/L) at any wells. In 2016, manganese levels were lower than historical results at the HTF that ranged up to 3,300 µg/L (HTF 7, 1994).

Sodium was detected above the SQL in every sample with the maximum result (13,200 µg/L) occurring at UAZ well HAA 10D. The average concentration of sodium was about the same as 2015 results at 3,459 µg/L. In 2016, the range of sodium results (1,550 to 13,200 µg/L) was about the same as 2015 monitoring data. 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

Nonvolatile beta was detected above the SQL in only four of 115 samples. The average concentration was 17.1 pCi/L. The first quarter result at well HAA 8D (223 pCi/L) was greater than the MCL (50 pCi/L). The third quarter result at well HAA 8D was non-detect. As all other constituents and field parameters were nearly the same between the two 2016 sampling events (i.e., no other parameters were elevated), it is possible that the result of 223 pCi/L is anomalous. Historical results further support the conclusion that the 223 pCi/L result is inconsistent with expected results, as nonvolatile beta has historically been non-detect at HAA 8D. Thus, isotopic speciation was not performed for the first quarter result.

In 2014, nonvolatile beta at well HAA 20C (54.7 pCi/L) exceeded 50 pCi/L. This sample was collected in September of 2014. The previous sample was collected in March of 2014 and the result was non-detect (i.e., <0.23 pCi/L). As all other constituents and field parameters were nearly the same between the two 2014 sampling events (i.e., no other parameters were elevated), it is possible that the result of 54.7 pCi/L is anomalous. The results from 2015 and 2016 were all non-detect (i.e., <1.27 pCi/L). SRS will continue to monitor nonvolatile beta according to the HTF SAP.

Technetium-99

Technetium-99 was detected above the SQL in only eight of 107 samples collected. No results exceeded the MCL (900 pCi/L). The maximum concentration was 30.9 pCi/L at well HAA 11D. Historically, technetium-99 has not been identified as a prevalent contaminant in groundwater at the HTF and the 2016 results are consistent with this conclusion.

5.0 CONCLUSIONS

In 2012, USEPA and SCDHEC approved new groundwater monitoring plans and corresponding SAPs for the FTF and HTF. SRS performed monitoring in 2016 according to the approved plans and performed sampling twice at 59 wells (13 wells at FTF and 46 wells at HTF). In 2016, UAZ background well FBG 1D was dry during both sampling events. Overall, the 2016 monitoring results show no indications of new releases.

F Tank Farm

At the FTF, nonvolatile beta continues to be elevated near the FIPSL. Nonvolatile beta exceeded the screening level of 50 pCi/L in wells FTF 28 and FTF 12R. At FTF 28, nonvolatile beta was similar to levels measured in 2015. The maximum result occurred at FTF 28 at 624 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 at FTF 28 was 1,480 pCi/L and exceeded the MCL of 900 pCi/L. The source of nonvolatile beta and technetium-99 at FTF 28 is likely the FIPSL. At FTF 12R, the decay of radon-222 daughter products causes most of the elevated levels of beta radiation. SRS will continue to monitor for nonvolatile beta and technetium-99 at well FTF 28 and for technetium-99 at FTF 12R when nonvolatile beta exceeds 50 pCi/L.

In 2013, tritium was as high as 81.3 pCi/mL at well FTF 30D. Tritium levels have since fluctuated, measuring below the MCL in 2014 and 2015 but increasing to the most recent result of 42.8 pCi/mL. Upgradient of well FTF 30D tritium levels are very low. SRS will continue to monitor and evaluate tritium at the FTF.

In 2016, manganese concentrations at the FTF continued to remain below the RSL (430 µg/L). The maximum concentration (187 µg/L) was measured at FTF 9R. 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.

H Tank Farm

At the HTF, tritium exceeded the MCL at HAA 12C. Tritium has been identified as the prevalent groundwater contaminant at the HTF based on historical monitoring. A small dilute tritium plume is located north of the HTF and has been regularly monitored since 2000. The plume is located near and down gradient of the Off-Site Fuels Receiving Basin facility and the HIPSL, both potential sources of historical tritium releases. The downgradient extent of the tritium plume is delineated and monitored by the General Separations Area Eastern Groundwater Operable Unit monitoring program. In 2016, tritium exceeded the MCL in the LAZ at well HAA 12C. Tritium concentrations were below the MCL in the UAZ. The 2016 results for tritium and manganese are lower than historic levels at the HTF.

The first quarter result for nonvolatile beta at well HAA 8D (223 pCi/L) exceeded the MCL (50 pCi/L). However, this result is uncharacteristic because the third quarter result was non-detect and HAA 8D is historically non-detect for nonvolatile beta. All other constituents and field parameters between the first and third quarter samples were nearly the same, further justifying that the 223 pCi/L result is likely anomalous. SRS will continue to monitor for nonvolatile beta and tritium at the HTF.

6.0 REFERENCE

LWO, 2009. *Industrial Wastewater General Closure Plan for F-Area Waste Tank Systems,* LWO-RIP-2009-00009, Revision 3, Savannah River Remediation LLC, Savannah River Site, Aiken, SC

SRR, 2011. *Industrial Wastewater General Closure Plan for H-Area Waste Tank Systems,* SRR-CWDA-2011-00022, Revision 0, Savannah River Remediation LLC, Savannah River Site, Aiken, SC

SRNS, 2012a. *F-Area Tank Farm Groundwater Sampling and Analysis Plan,* SRNS-RP-2012-00287, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC

SRNS, 2012b. *H-Area Tank Farm Groundwater Monitoring Plan and Sampling and Analysis Plan,* SRNS-RP-2012-00146, Revision 1, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC

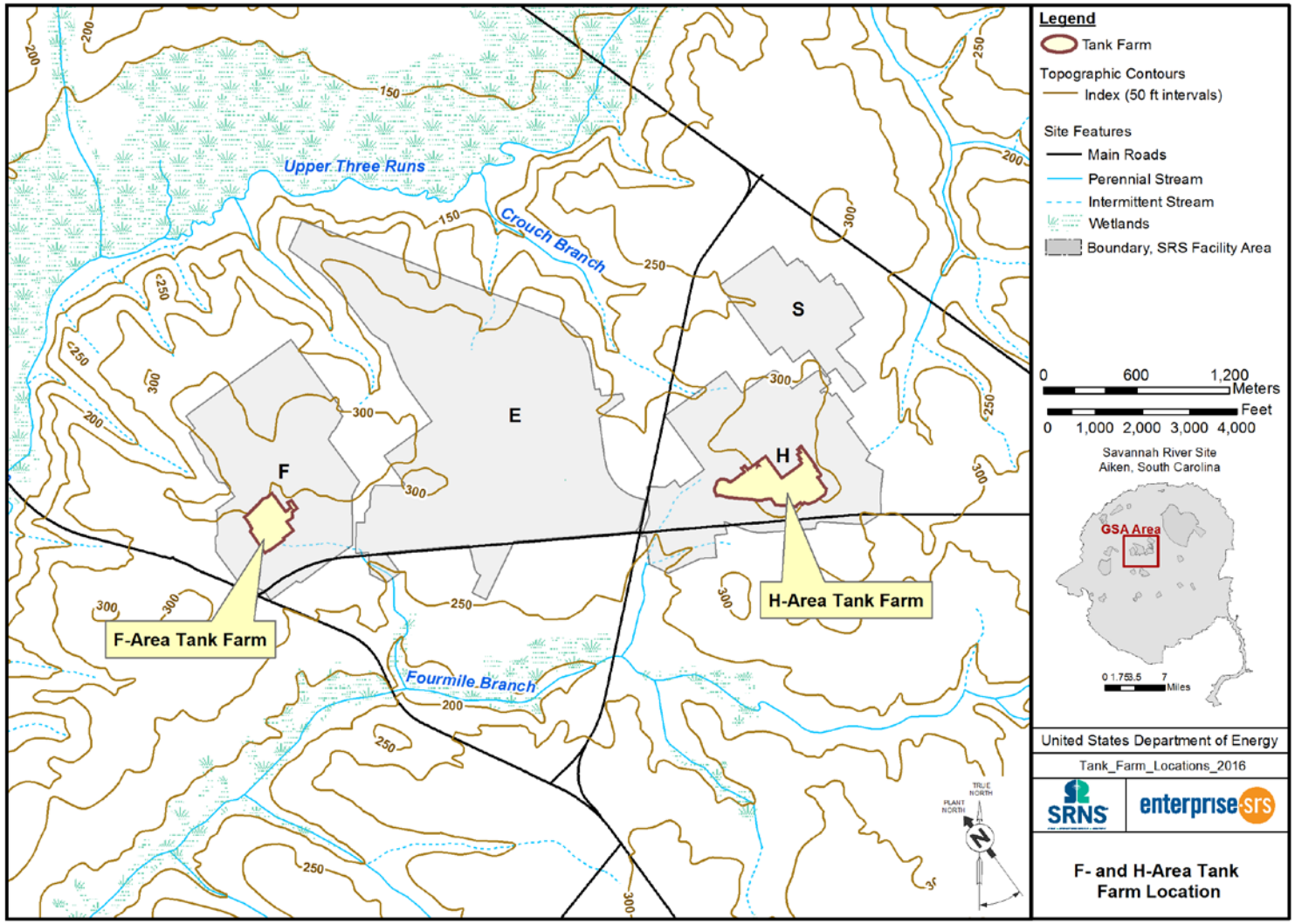

Figure 1. Locations of the F-Area and H-Area Tank Farms

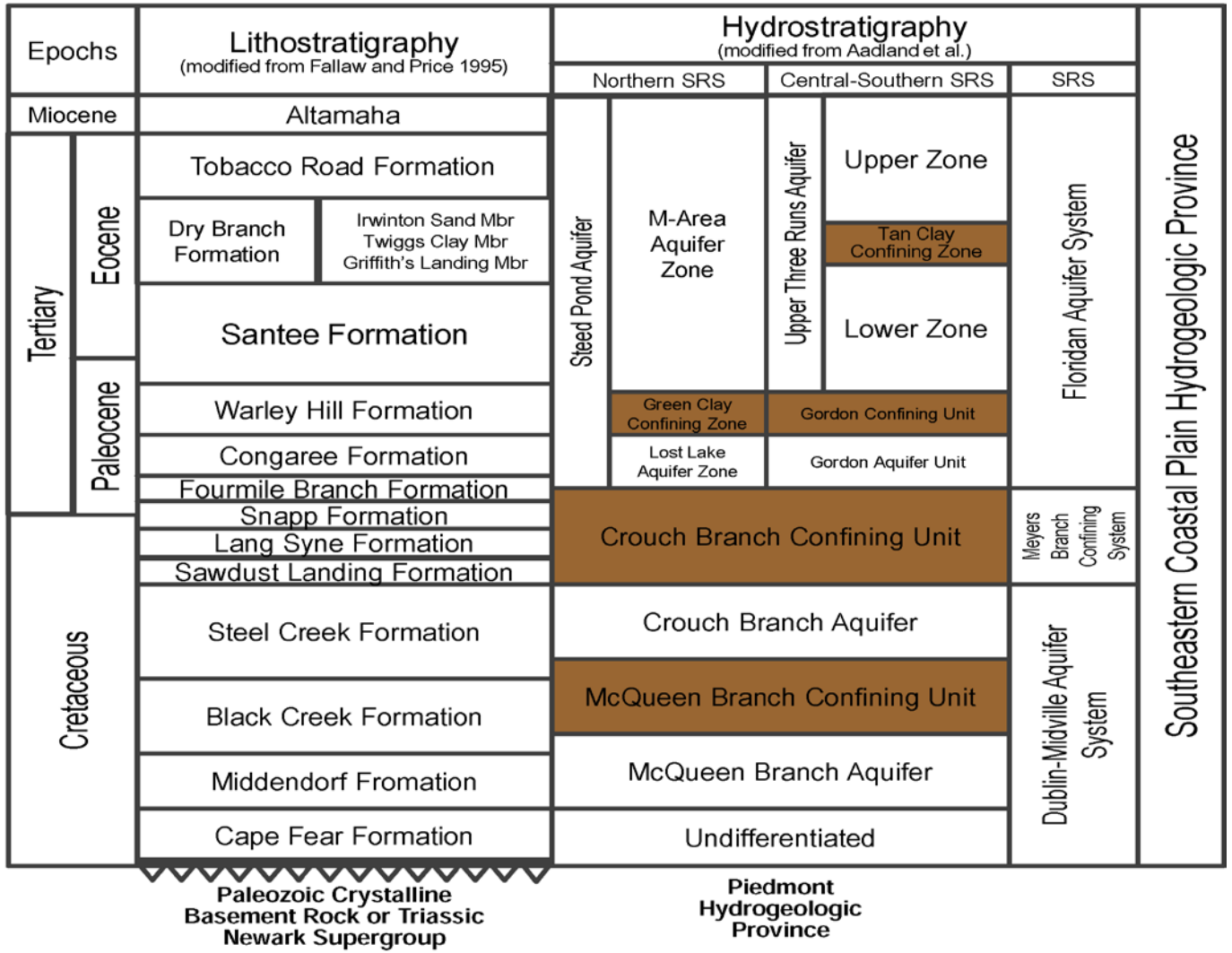

Figure 2. Lithostratigraphic and Hydrostratigraphic Units at the F-Area and H-Area Tank Farms

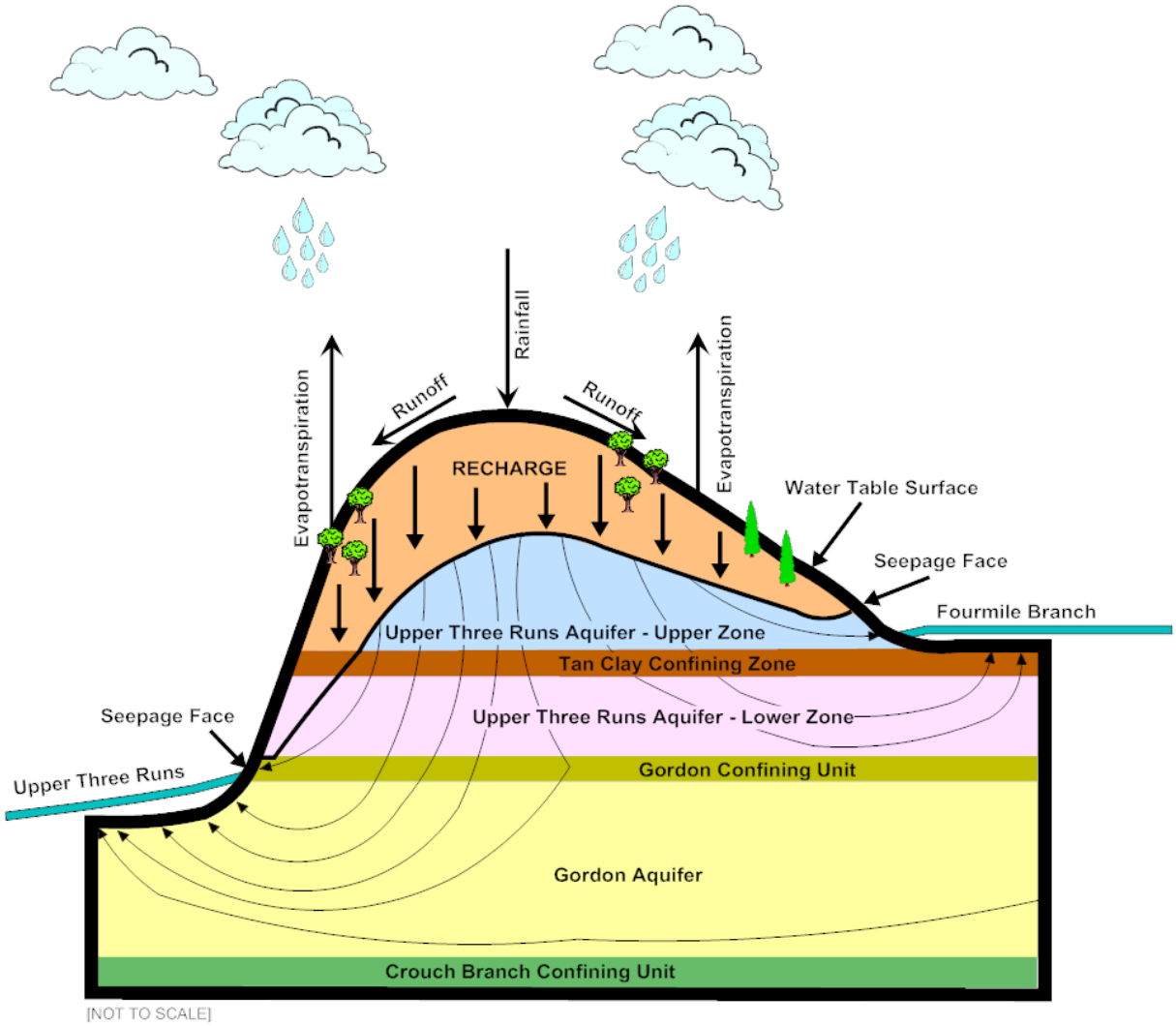

Figure 3. Surface and Groundwater Flow at the General Separations Area

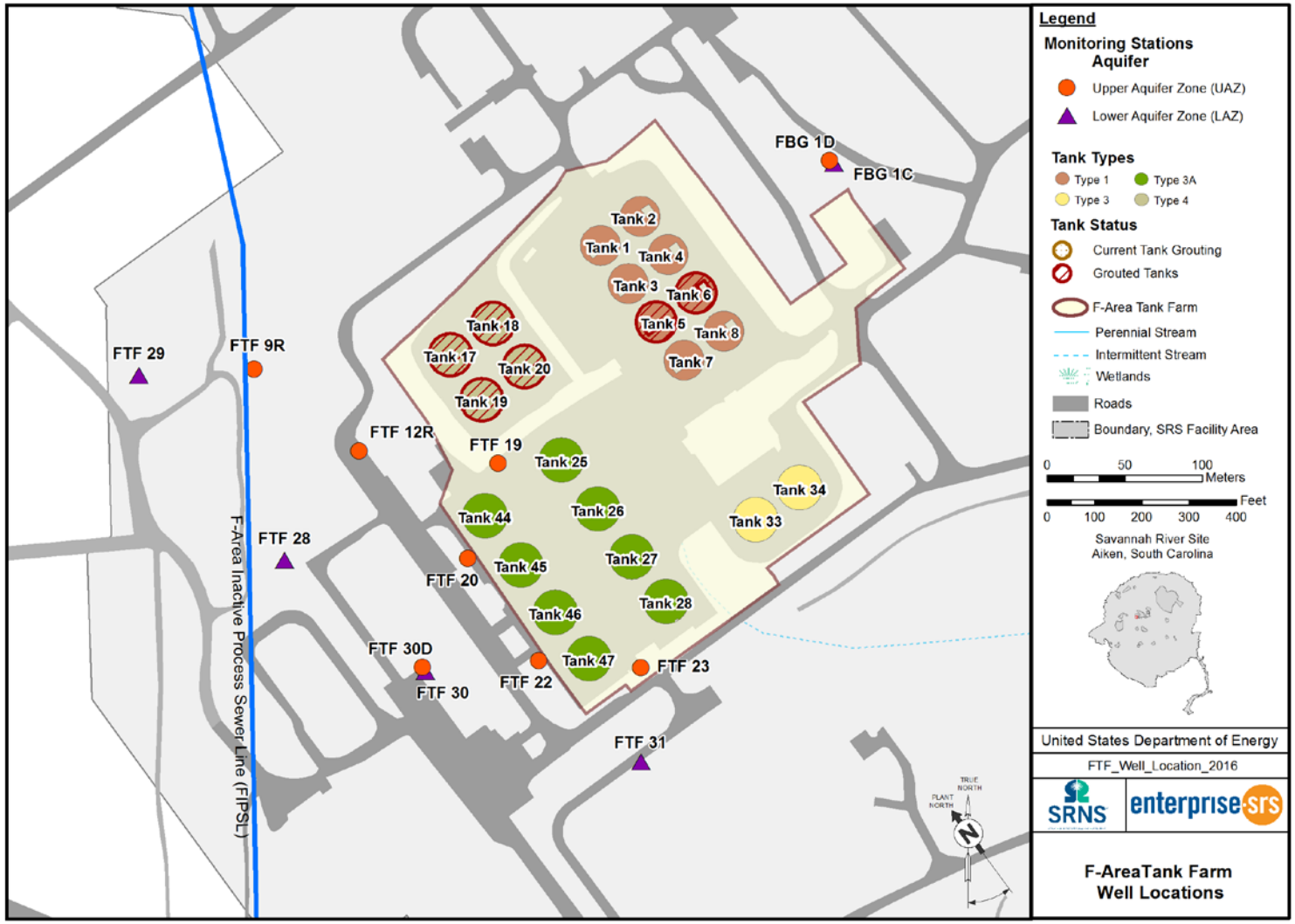

Figure 4. Location of Wells for the FTF Groundwater Monitoring Network

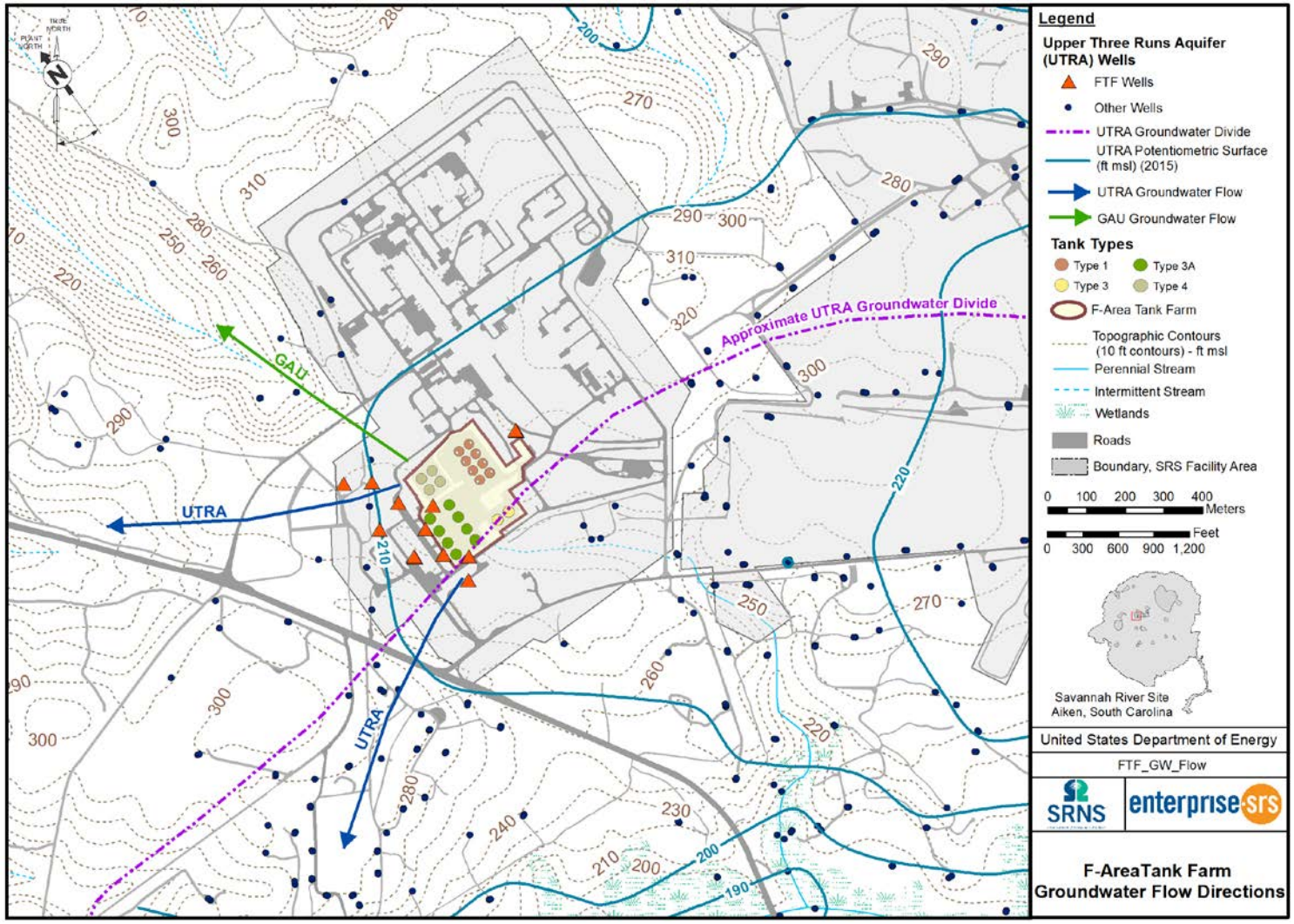

Figure 5. Potentiometric Surface and Groundwater Flow Directions at the FTF

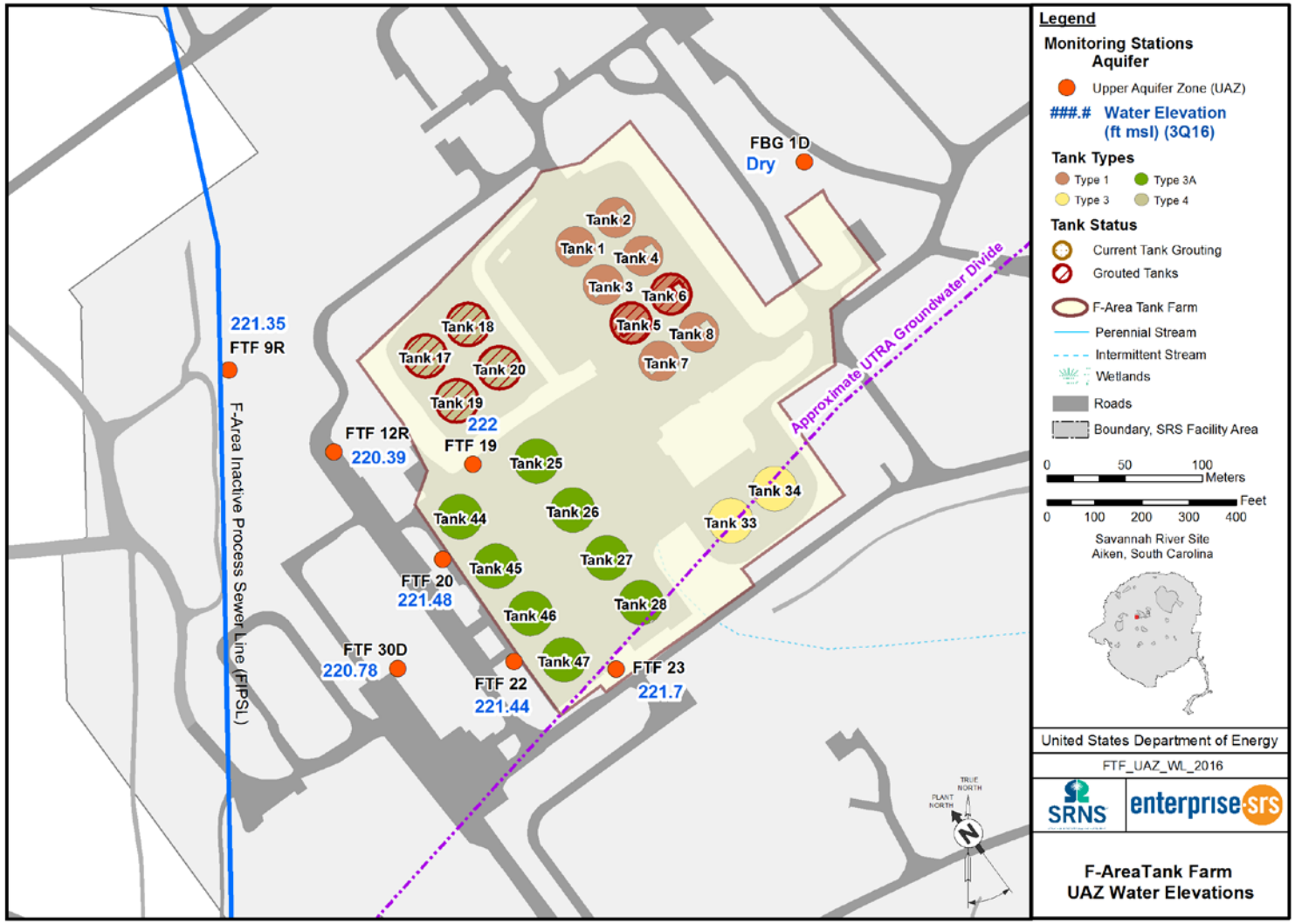

Figure 6. Water Elevation (ft msl) for the UAZ of the UTRA during the Third Quarter of 2016

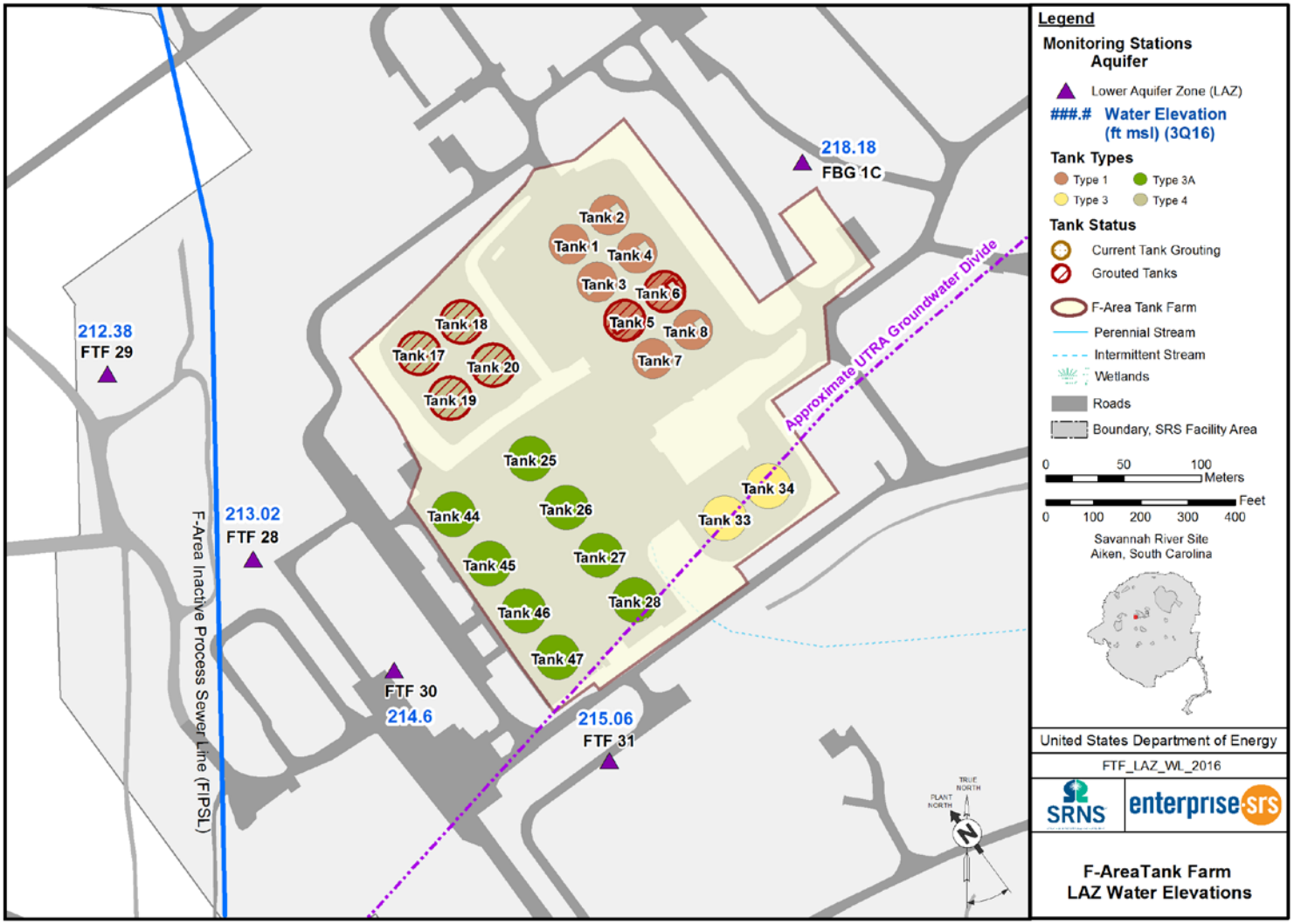

Figure 7. Water Elevation (ft msl) for the LAZ of the UTRA during the Third Quarter of 2016

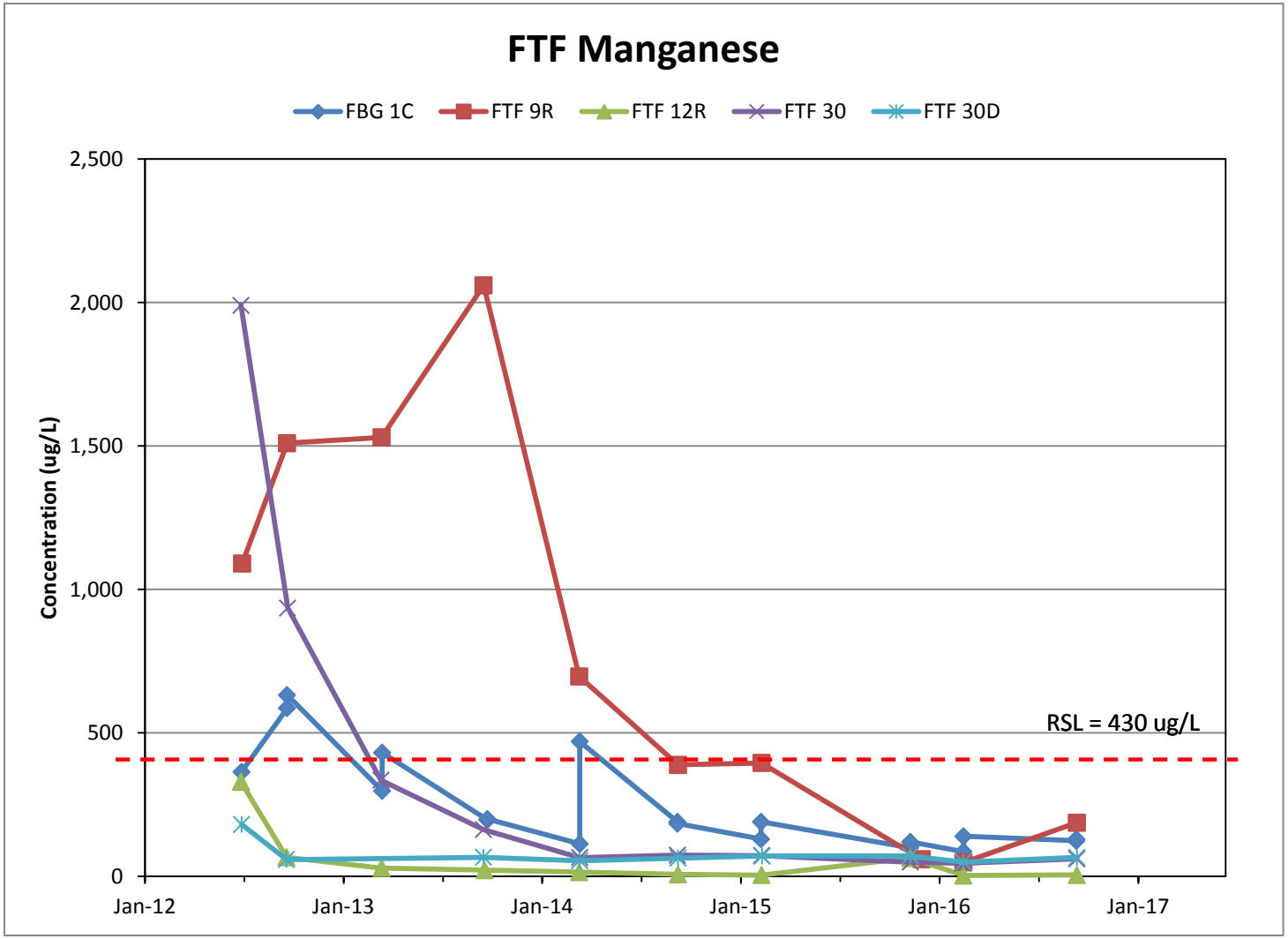

Figure 8. Manganese Concentrations in Wells at F-Tank Farm

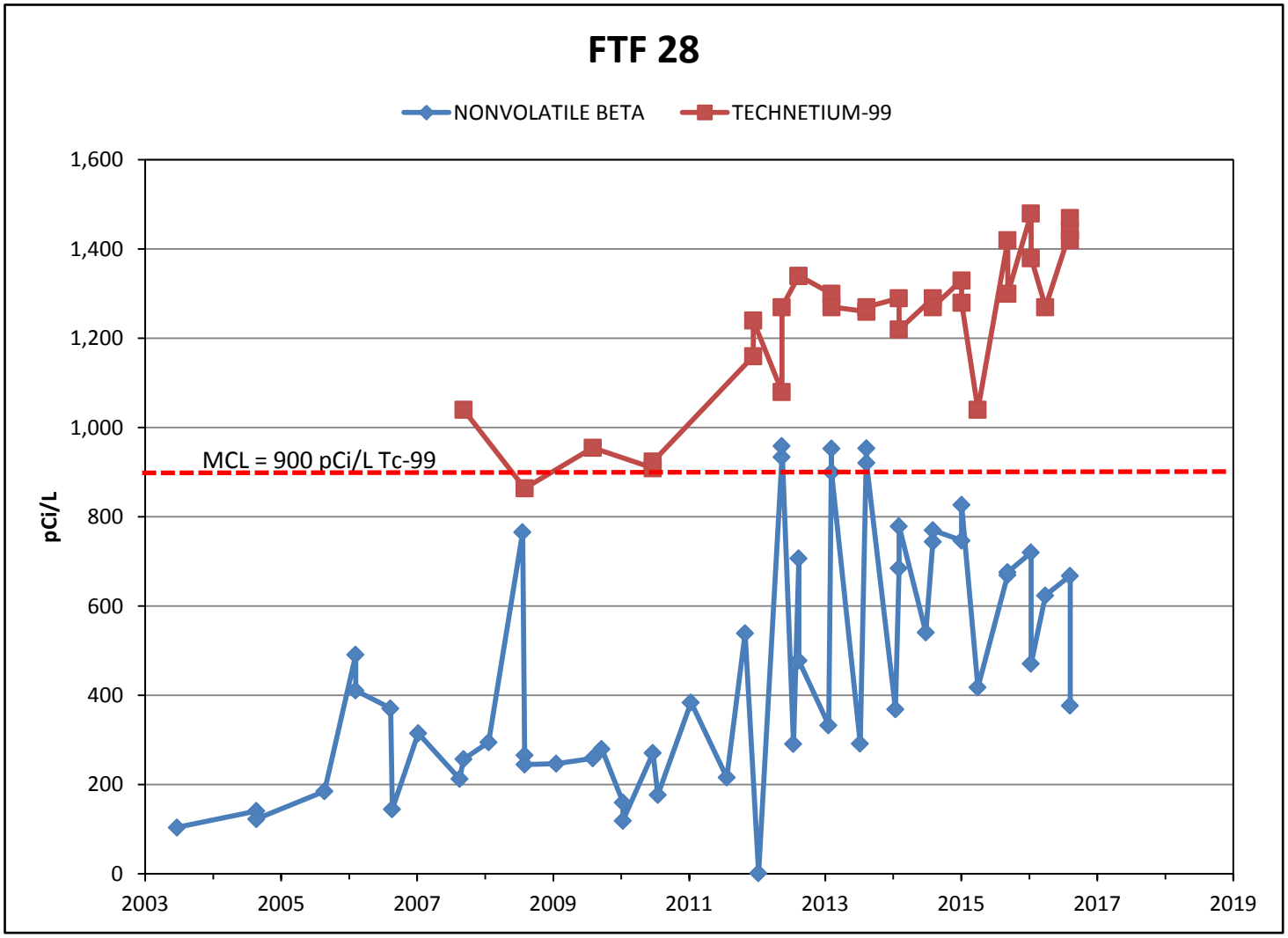

Figure 9. Nonvolatile Beta and Technetium-99 Concentrations for FTF 28

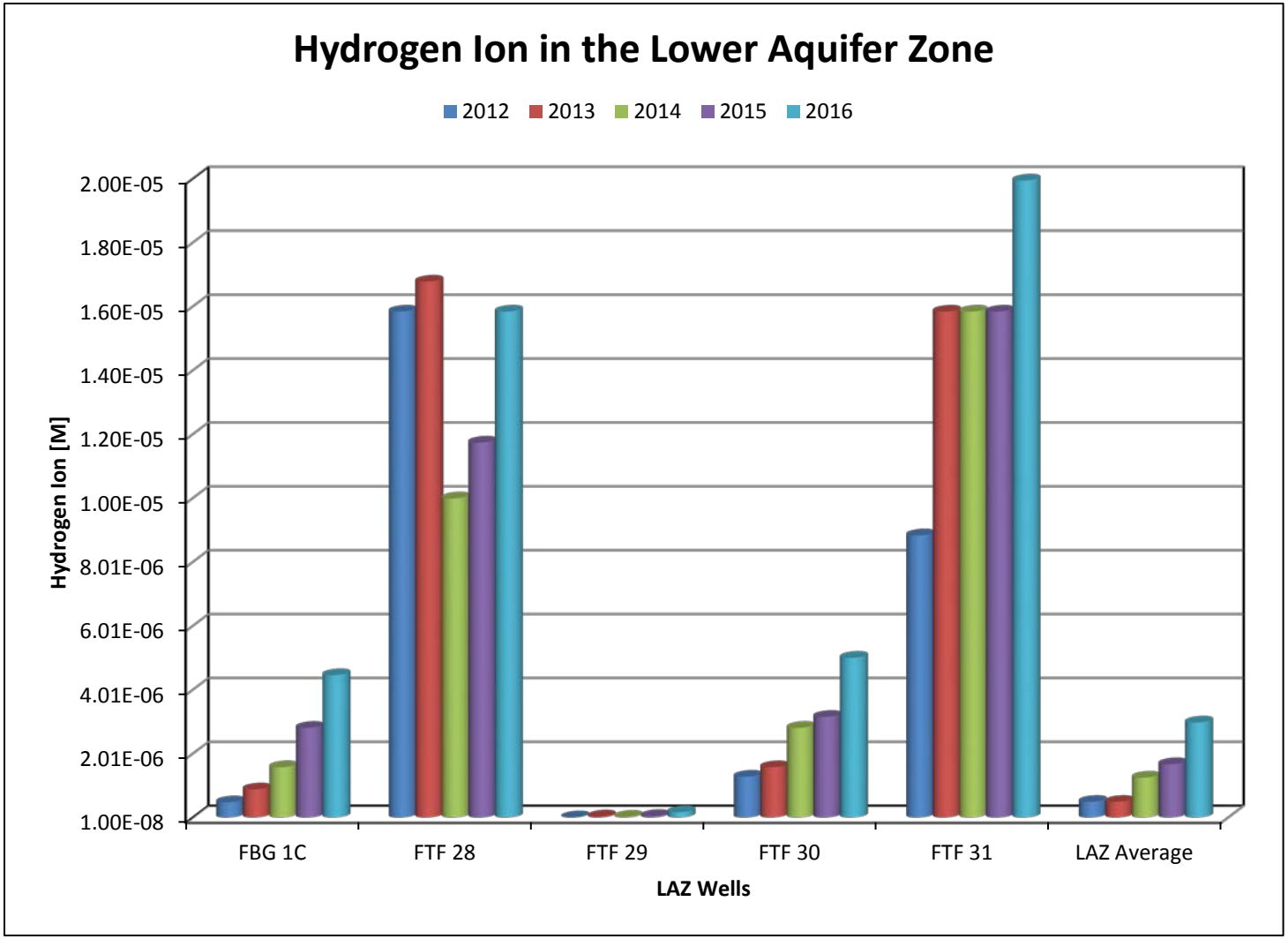

Figure 10. Hydrogen Ion in the LAZ at FTF

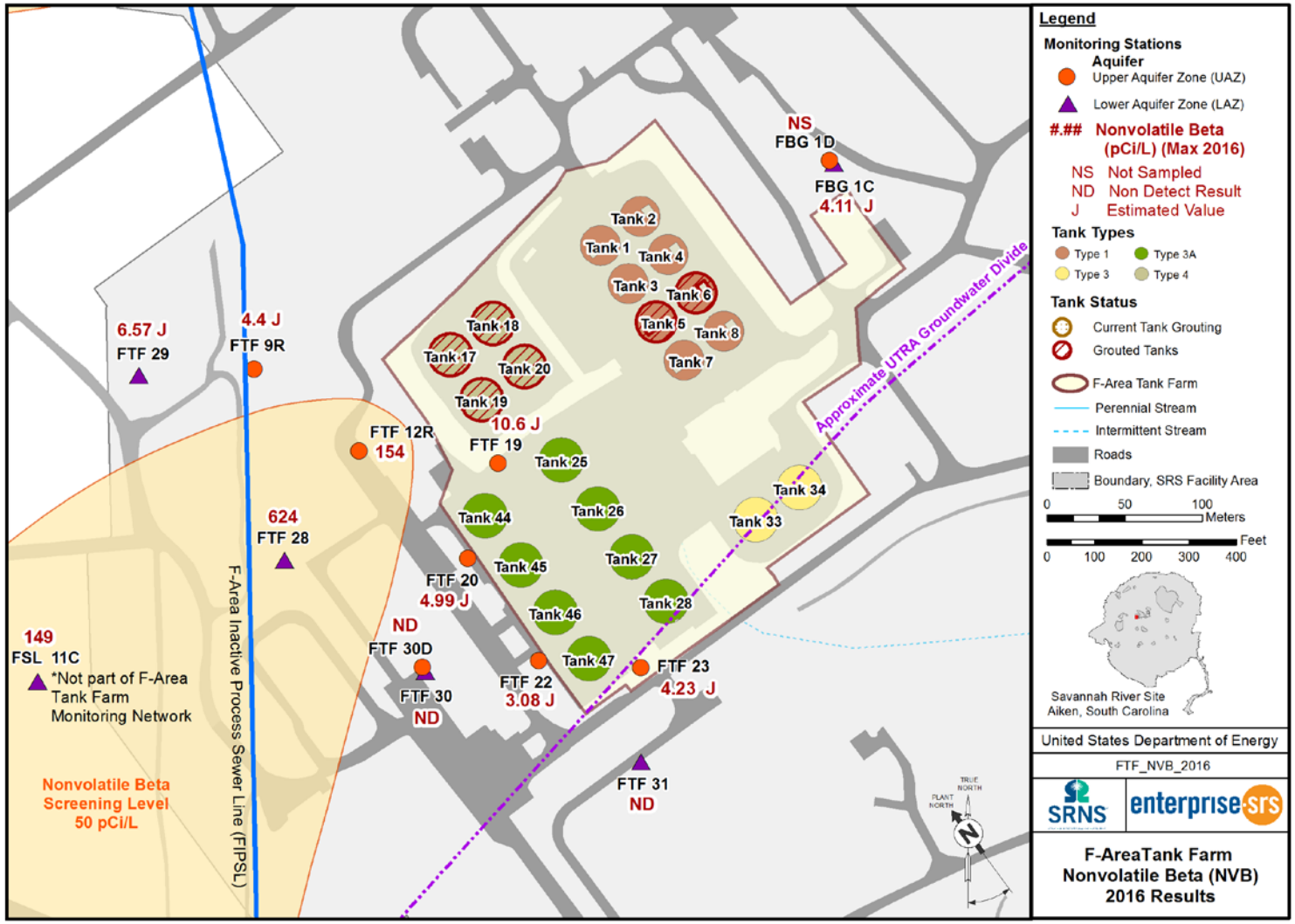

Figure 11. Nonvolatile Beta Results (pCi/L) for the FTF in 2016

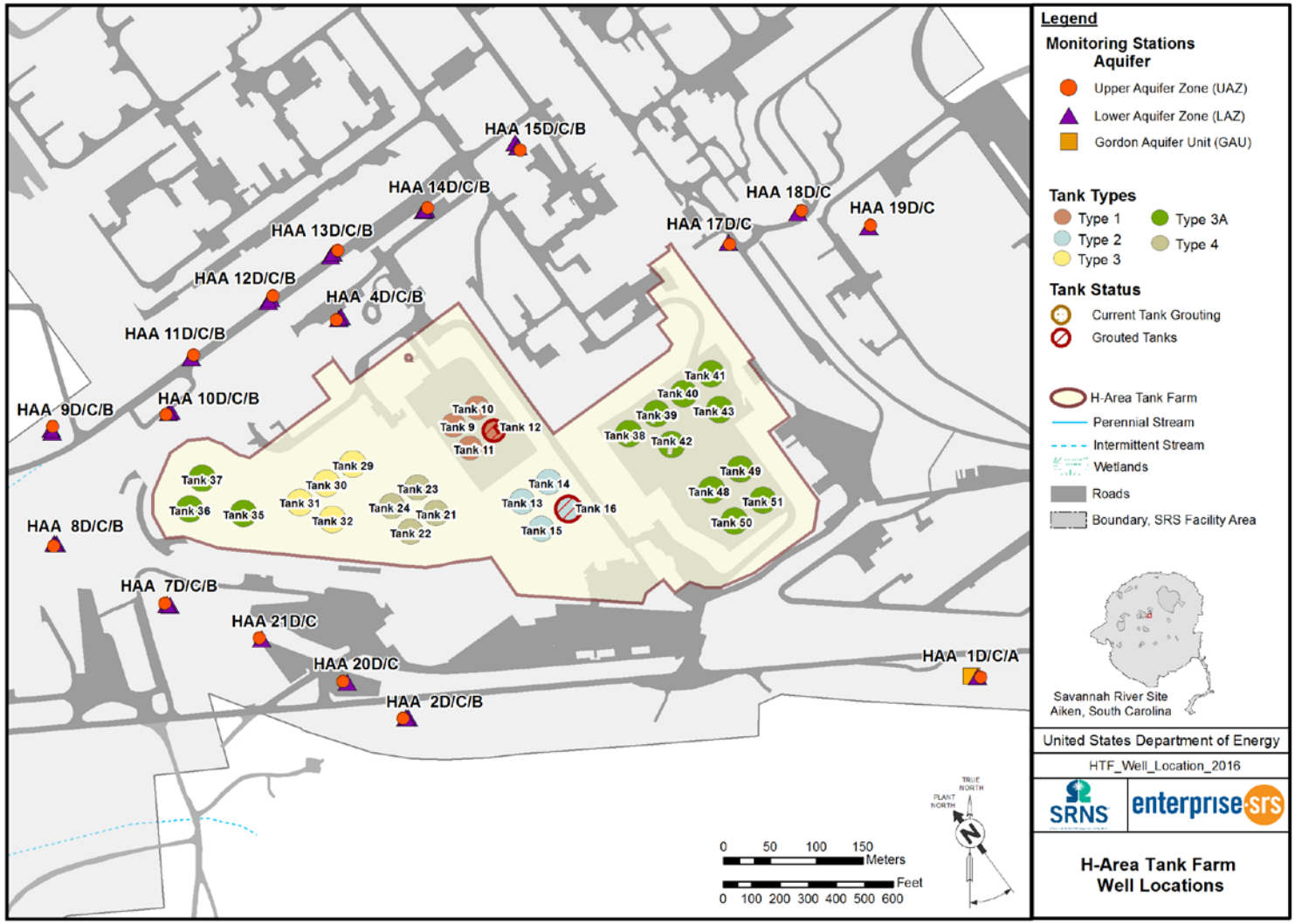

Figure 12. Monitoring Wells at the HTF

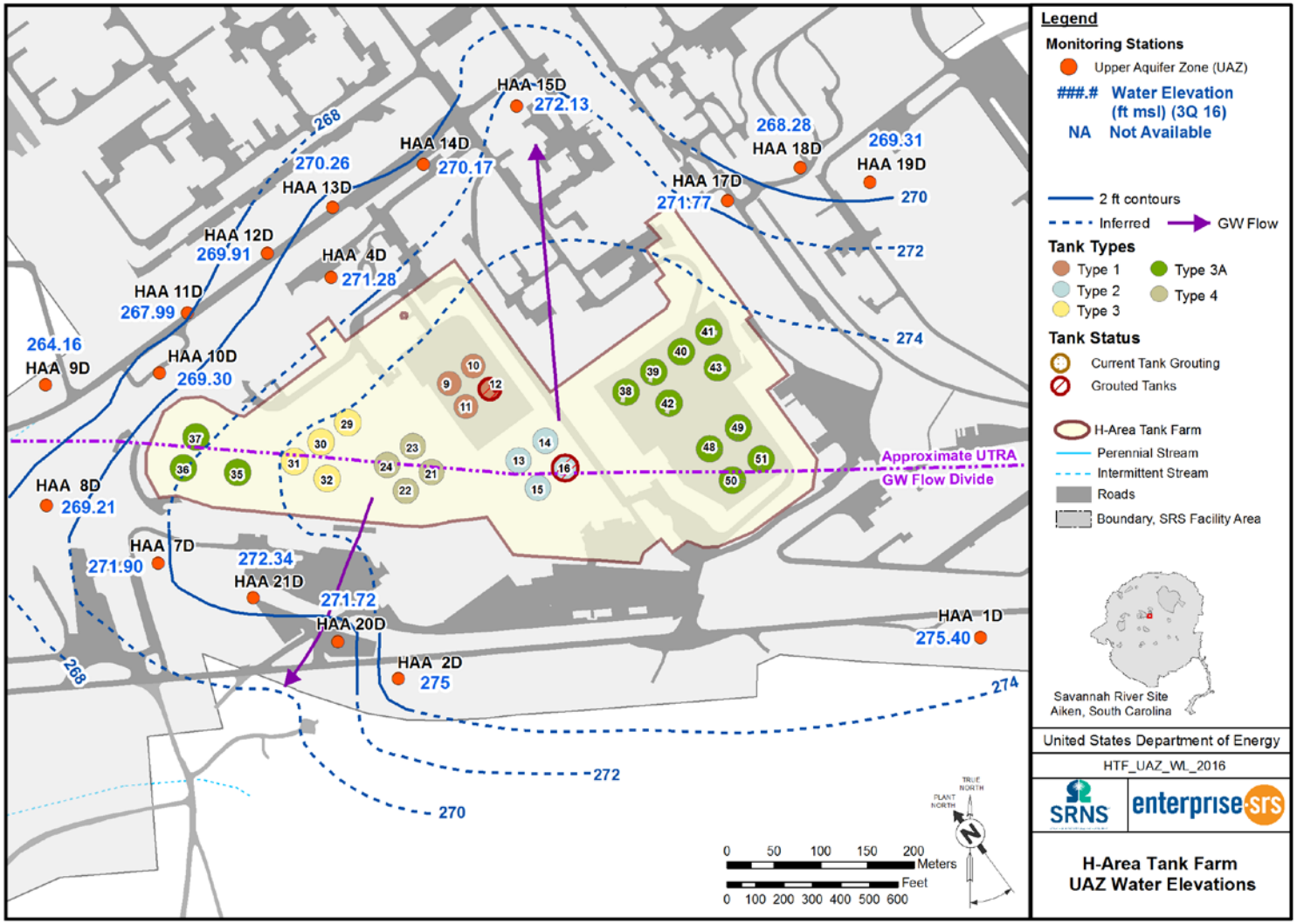

Figure 13. Water Elevation (ft above msl) for the UAZ of the UTRA during the Third Quarter of 2016

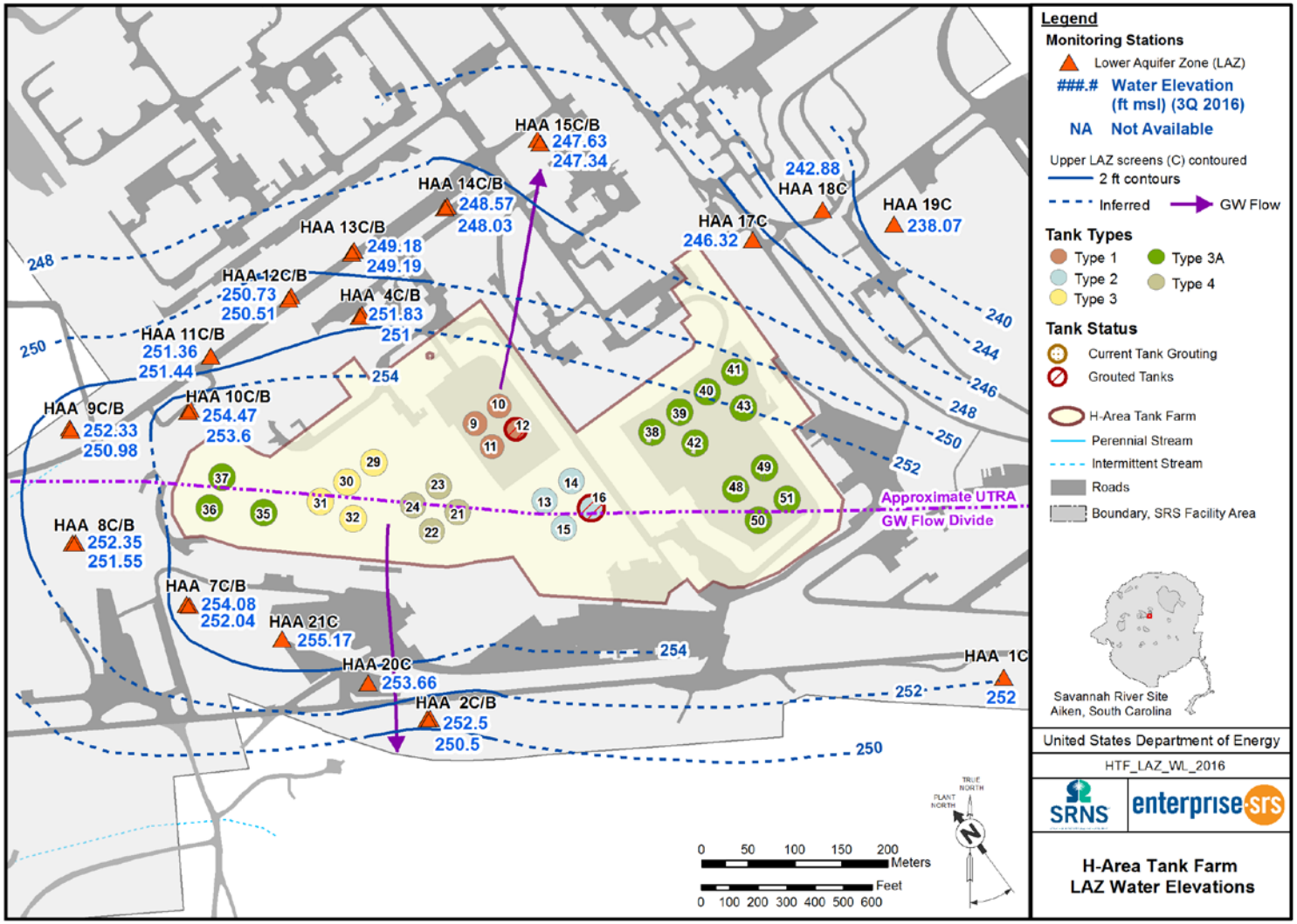

Figure 14. Water Elevation (ft above msl) for the LAZ of the UTRA during the Third Quarter of 2016

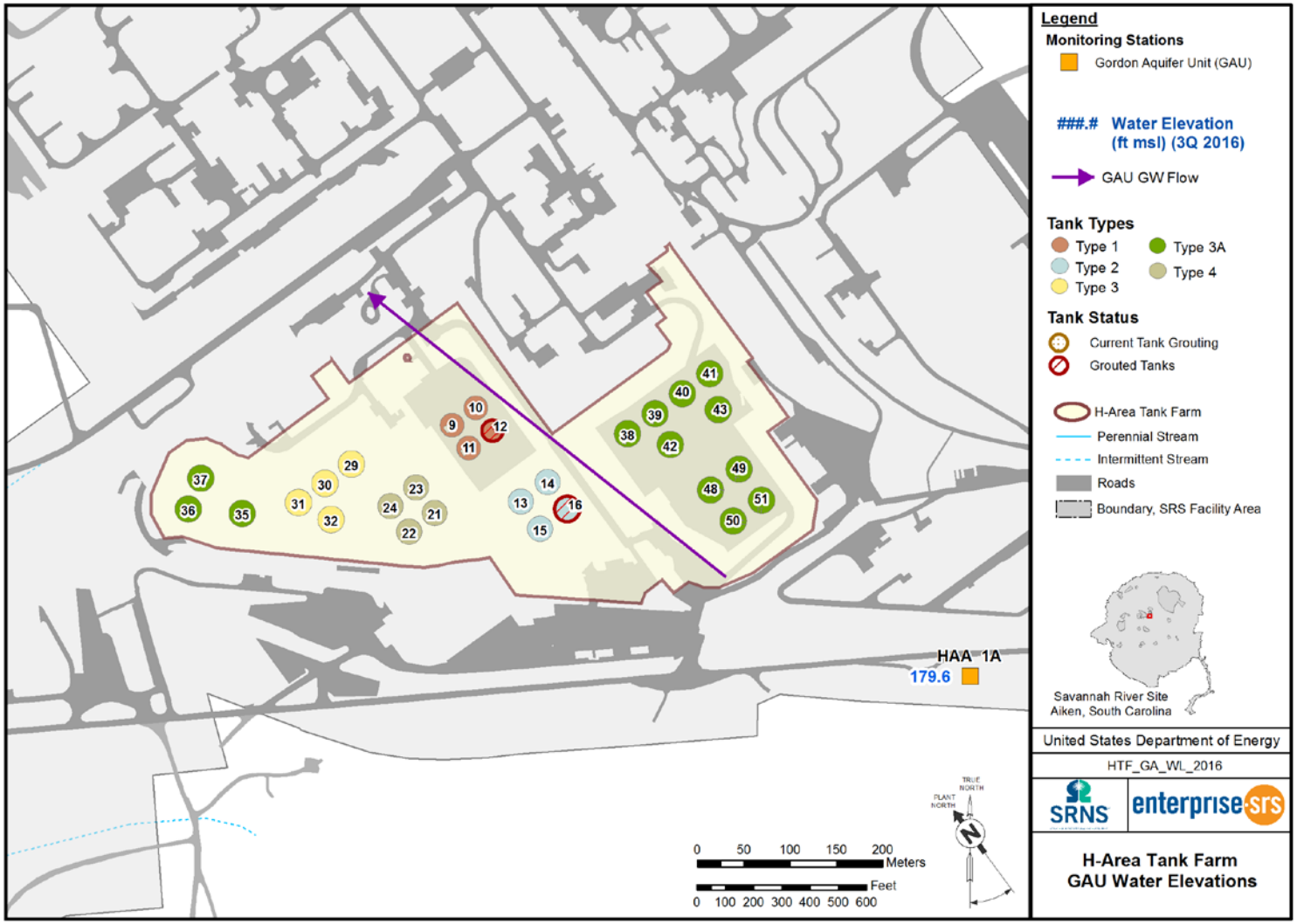

Figure 15. Water Elevation (ft above msl) for the GAU during the Third Quarter of 2016

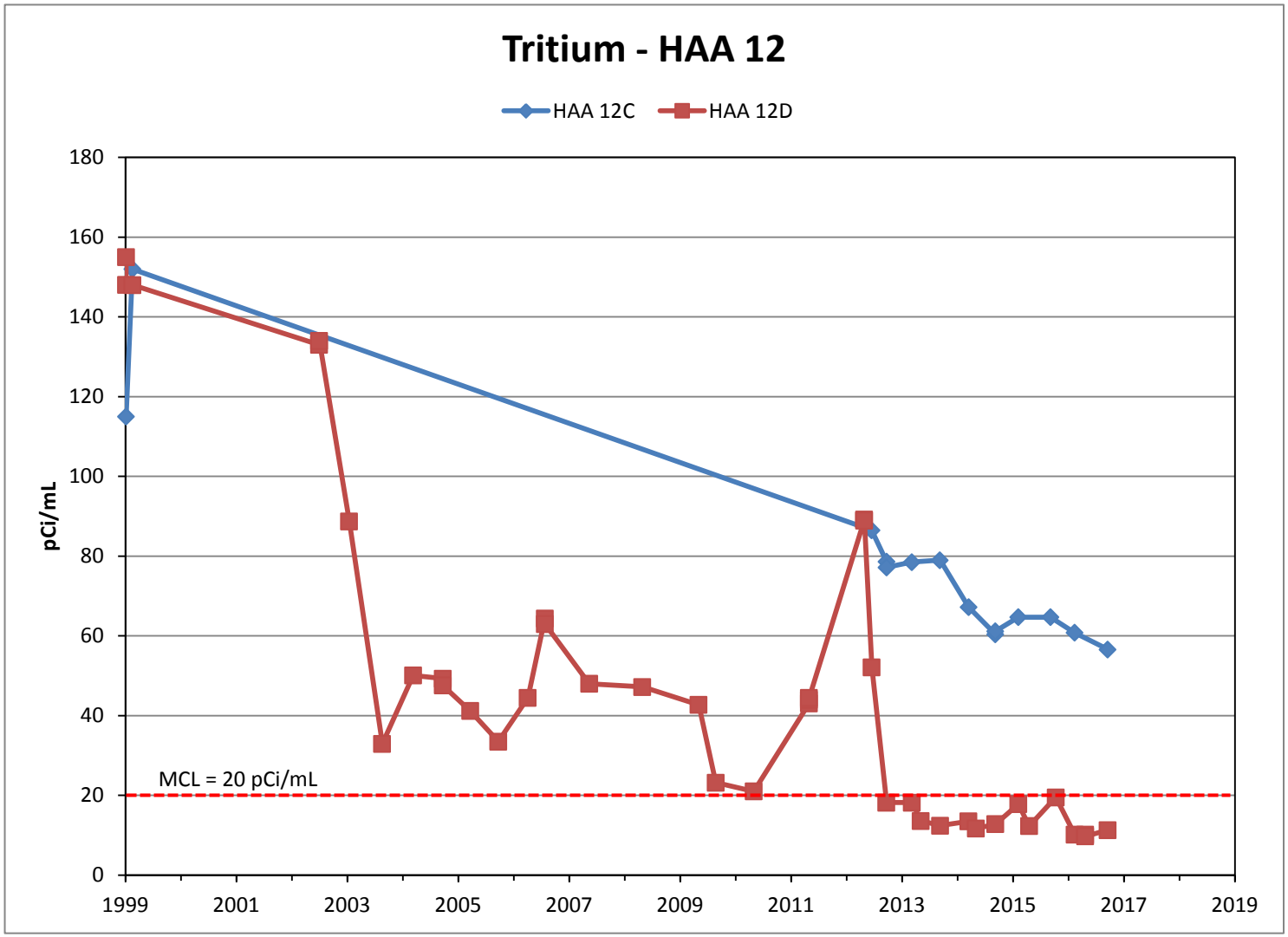

Figure 16. Tritium Results (pCi/mL) for HAA 12 Wells

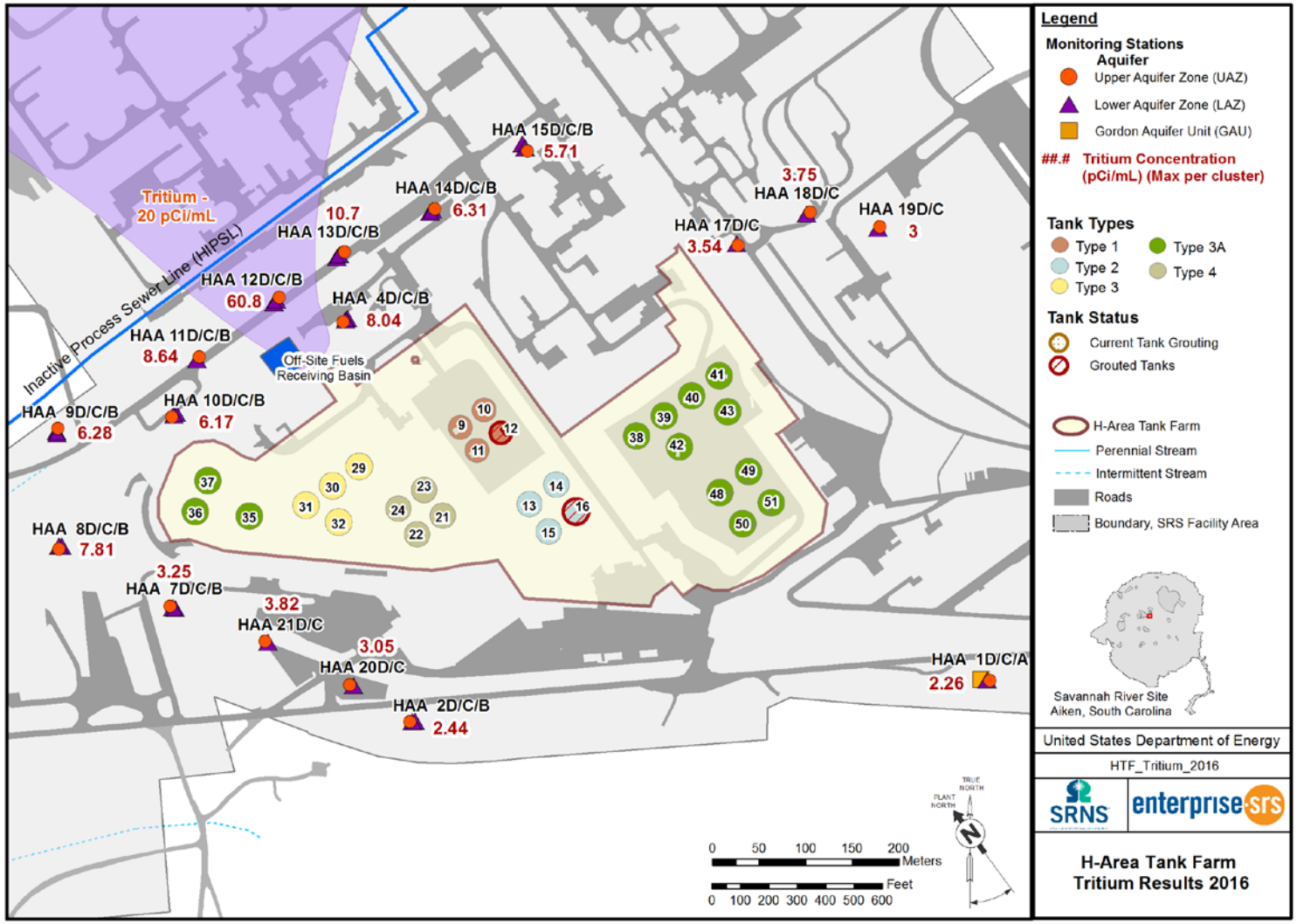

Figure 17. 2016 Tritium Results (pCi/mL) for the UTRA at the HTF

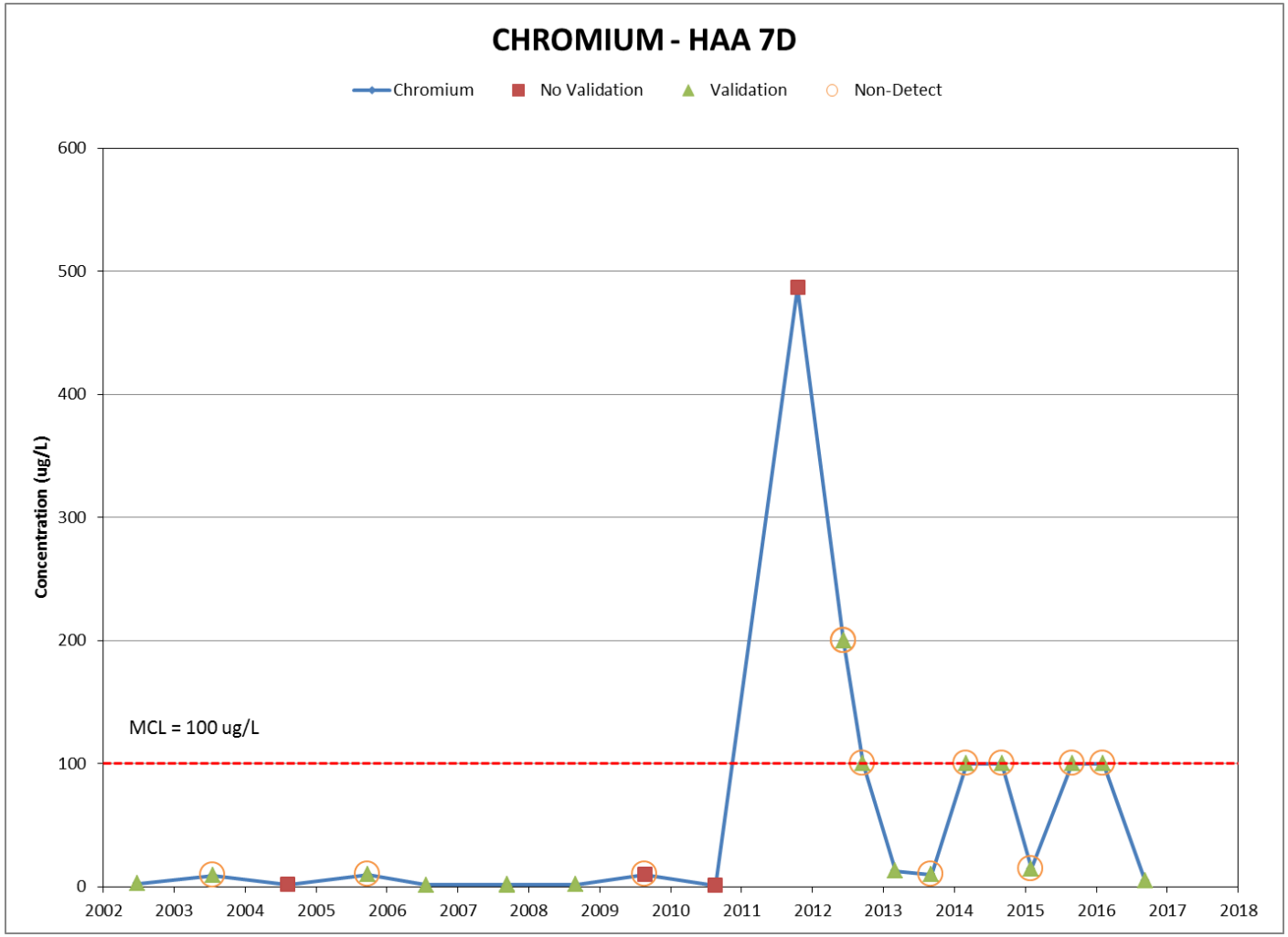

Figure 18. Chromium Results (µg/L) for Well HAA 7D

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

Table 1. Wells Included in the FTF and HTF Groundwater Monitoring Programs

Facility	Well	Aquifer	Screen Depth	Ground Elevation	UTM North	UTM East
			(ft)			
FTF	FBG 1C	LAZ	90 - 105	299.39	3682791.7	437085.5
FTF	FBG 1D	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	96 - 106	292.97	3682406.3	436961.2
HTF	HAA 1A	GAU	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
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

Table 1. Wells Included in the FTF and HTF Groundwater Monitoring Programs *(Continued/End)*

Facility	Well	Aquifer	Screen Depth	Ground Elevation	UTM North	UTM East
			(ft)			
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

Table 2a. Summary of 2016 Monitoring Results for the F-Area Tank Farm

Analyte	Number of Samples[a]	Number of Non-Detects	Number of Results > SQL[b]	Result Average[c]	Result Maximum[d]	MCL/ RSL[e]	Number of Results > MCL/ RSL[e]
Nitrate/Nitrite	34	0	24	3.0 mg/L	7.4 mg/L	10 mg/L	0
Cadmium	29	21	2	0.5 µg/L	0.9 µg/L	5 µg/L	0
Chromium	29	23	0	4.6 µg/L	NA	100 µg/L	0
Manganese	29	2	21	50.23 µg/L	187 µg/L	430 µg/L	0
Sodium	29	0	27	5,625 µg/L	13,700 µg/L	NA	NA
Gross Alpha	32	19	1	6.4 pCi/L	11.1 pCi/L	15 pCi/L	0
Nonvolatile Beta	32	13	6	169 pCi/L	624 pCi/L	50 pCi/L	3[f]
Tritium	29	0	25	4.2 pCi/mL	42.8 pCi/mL	20 pCi/mL	2
Technetium-99	18	6	8	747 pCi/L	1,480 pCi/L	900 pCi/L	6[f]

a. Includes regular, duplicate, and split samples
b. SQL = laboratory Sample Quantitation Limit
c. Average of results > laboratory method detection limit
d. Maximum of results > SQL
e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water
f. Nonvolatile Beta > MCL at two wells (FTF 28 and FTF 12R), Technetium-99 > MCL at one well (FTF 28)

Table 2b. Summary of Historical Groundwater Monitoring Results for the F-Area Tank Farm

Constituent	Number of Samples[a]	Number of Non-Detects	Number of Results > SQL[b]	Result Range[c]	Result Average[d]	MCL/ RSL	Units	Number of Results > MCL/ RSL[e]
Nitrate/Nitrite	178	0	178	0.0762-7.5	2.62	10	mg/L	0
Cadmium	106	59	6	U-1.87	0.47	5	µg/L	0
Chromium	159	114	0	U-26.7 J	2.69	100	µg/L	0
Manganese	100	6	74	U-2,060	190.10	320	µg/L	16
Sodium	159	7	152	U-33,300 J	7,027.74	NA	µg/L	NA
Gross Alpha	195	97	23	U-30.5	5.15	15	pCi/L	3
Nonvolatile Beta	195	57	83	U-959	156.24	50	pCi/L	48
Tritium	190	7	184	U-81.3	3.84	20	pCi/mL	3
Technetium-99	71	31	31	U-1,340	662.15	900	pCi/L	21

a. Includes regular, duplicate, and split samples
b. SQL = laboratory Sample Quantitation Limit
c. U = non-detect,
J = estimated result
d. Average of results > laboratory method detection limit
e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water

Table 3a. Summary of 2016 Monitoring Results for the H-Area Tank Farm

Analyte	Number of Samples[a]	Number of Non-Detects	Number of Results > SQL[b]	Result Average[c]	Result Maximum[d]	MCL/ RSL	Number of Results > MCL/ RSL[e]
Nitrate/Nitrite	111	2	86	1.15 mg/L	7.96 mg/L	10 mg/L	0
Cadmium	111	100	1	0.69 µg/L	5.53 µg/L	5 µg/L	1
Chromium	104	54	5	7.2 µg/L	15.8 µg/L	100 µg/L	0
Manganese	104	31	39	45.1 µg/L	358 µg/L	430 µg/L	3
Sodium	104	0	80	3,459 µg/L	13,200 µg/L	NA	NA
Gross Alpha	115	106	1	4.2 pCi/L	9.79 pCi/L	15 pCi/L	0
Nonvolatile Beta	115	94	4	17.1 pCi/L	223 pCi/L	50 pCi/L	1
Tritium	115	35	67	5.4 pCi/mL	60.8 pCi/mL	20 pCi/mL	2[f]
Technetium-99	107	95	8	13.1 pCi/L	30.9 pCi/L	900 pCi/L	0

a. Includes regular, duplicate, and split samples
b. SQL = laboratory Sample Quantitation Limit
c. Average of results > laboratory method detection limit
d. Maximum of results > SQL
e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water
f. Exceeds MCL at only 1 Well (HAA 12C)

Table 3b. Summary of Historical Groundwater Monitoring Results for the H-Area Tank Farm

Constituent	Number of Samples[a]	Number of Non-Detects	Number of Results > SQL[b]	Result Range[c]	Result Average[d]	MCL/ RSL	Units	Number of Results > MCL/ RSL[e]
Nitrate/Nitrite	473	13	421	U-9.8	1.08	10	mg/L	0
Cadmium	455	380	1	U-2.8	0.24	5	µg/L	0
Chromium	471	294	7	U-487	10.25	100	µg/L	3
Manganese	354	73	133	U-1,280	73.42	320	µg/L	24
Sodium	478	9	469	U-22,700	4,145.49	NA	µg/L	NA
Gross Alpha	533	422	16	U-29.1	3.87	15	pCi/L	5
Nonvolatile Beta	588	459	48	U-54.7	7.89	50	pCi/L	1
Tritium	586	168	358	U-89.2	10.46	20	pCi/mL	37
Technetium-99	358	327	15	U-88.2	16.51	900	pCi/L	0

a. Includes regular, duplicate, and split samples
b. SQL = laboratory Sample Quantitation Limit
c. U = non-detect
d. Average of results > laboratory method detection limit
e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water

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ATTACHMENT A

2016 Sample Results for F-Area Tank Farm

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Data Qualification

The qualifiers used when validating analytical data are listed in the following table. Qualifiers are given in order of "usability," i.e., lower ones supercede higher ones as validation functions are applied. Not every qualifier is currently used, but may be used in the future.

USEPA Functional Guideline Qualifiers	
Qualifier	**Description**
[null]	Data not remarked. The detected analyte result is acceptable for use as reported.
J	The detected analyte was positively identified but the result is approximate.
NJ	The detected analyte was only tentatively identified and the result is approximate.
U	The analyte was analyzed for, but not detected. The SQL is valid unless blank contamination is indicated.
UJ	The analyte was analyzed for, but not detected. The SQL is approximate, and may be inaccurate or imprecise.
R	The sample result is rejected as unusable due to serious deficiencies in meeting quality control criteria. The analyte may be present or absent.

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 28	2/16/2016	ACTINIUM-228	24[b]	18	pCi/L	U	U	20	48.2
FTF 28	2/16/2016	ACTINIUM-228	24[b]	6.64	pCi/L	U	U	15.5	35.7
FTF012R	2/17/2016	ACTINIUM-228	24[b]	1.3	pCi/L	U	U	18.3	39.5
FTF 28	9/13/2016	ACTINIUM-228	24[b]	0.515	pCi/L	U	U	24.3	58.5
FTF 28	9/13/2016	ACTINIUM-228	24[b]	-0.476	pCi/L	U	U	19.9	41.9
FTF 28	9/13/2016	ACTINIUM-228	24[b]	-5.1	pCi/L	U	U	20.4	43.8
FTF 28	2/16/2016	ACTINIUM-228	24[b]	-7.68	pCi/L	U	U	19.3	45.1
FTF012R	9/13/2016	ACTINIUM-228	24[b]	-11.5	pCi/L	U	U	23.9	51.9
FTF012R	9/13/2016	AMERICIUM-241	15	0.0506	pCi/L	U	U	0.127	0.291
FTF012R	9/13/2016	AMERICIUM-241	15	0.00697	pCi/L	U	U	0.169	0.328
FTF012R	2/17/2016	AMERICIUM-241	15	-0.00405	pCi/L	U	U	0.0809	0.151
FTF012R	2/17/2016	AMERICIUM-241	15	-0.00414	pCi/L	U	U	0.145	0.269
FTF012R	2/17/2016	AMERICIUM-243	15	0.0362	pCi/L	U	U	0.132	0.298
FTF012R	9/13/2016	AMERICIUM-243	15	-0.0194	pCi/L	U	U	0.133	0.223
FTF012R	2/17/2016	AMERICIUM-243	15	-0.0228	pCi/L	U	U	0.201	0.355
FTF012R	9/13/2016	AMERICIUM-243	15	-0.0594	pCi/L	U	U	0.172	0.267
FTF012R	2/17/2016	BISMUTH-214		176	pCi/L			8.65	36.1
FTF 28	2/16/2016	BISMUTH-214		113	pCi/L			10.2	37.6
FTF 28	2/16/2016	BISMUTH-214		104	pCi/L			7.34	29.7
FTF 28	2/16/2016	BISMUTH-214		101	pCi/L			8.5	34.9
FTF012R	9/13/2016	BISMUTH-214		80.6	pCi/L			8.16	43
FTF 28	9/13/2016	BISMUTH-214		63.5	pCi/L			9.91	37.3
FTF 28	9/13/2016	BISMUTH-214		62.7	pCi/L			7.66	36.9
FTF 28	9/13/2016	BISMUTH-214		56.7	pCi/L			10.5	44.9
FTF 19	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 19	9/12/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 20	9/12/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 22	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 22	9/12/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 23	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 23	9/12/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 28	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 28	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 28	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 29	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF 29	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF009R	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF009R	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF012R	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF012R	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030D	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF031	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
FTF031	9/13/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
FBG001C	2/17/2016	CADMIUM	5	0.9	ug/L			0.1	0.5
FBG001C	9/12/2016	CADMIUM	5	0.73	ug/L			0.1	0.5
FBG001C	9/12/2016	CADMIUM	5	0.67	ug/L	J	J	0.3	1
FBG001C	2/17/2016	CADMIUM	5	0.605	ug/L	J	J	0.1	1
FTF030	9/13/2016	CADMIUM	5	0.428	ug/L	J	J	0.3	1
FTF030	2/16/2016	CADMIUM	5	0.383	ug/L	J	J	0.1	1
FTF030D	2/17/2016	CADMIUM	5	0.174	ug/L	J	J	0.1	1
FTF 20	2/16/2016	CADMIUM	5	0.107	ug/L	J	J	0.1	1
FTF 28	9/13/2016	CARBON-14	2000	0.161	pCi/L	U	U	7.79	16.9
FTF012R	9/13/2016	CARBON-14	2000	-0.0106	pCi/L	U	U	7.84	17
FTF 28	9/13/2016	CARBON-14	2000	-0.252	pCi/L	U	U	7.8	16.9
FTF 28	9/13/2016	CARBON-14	2000	-0.826	pCi/L	U	U	7.85	17
FTF 28	2/16/2016	CARBON-14	2000	-14	pCi/L	U	U	43.2	92.6
FTF012R	2/17/2016	CARBON-14	2000	-27.1	pCi/L	U	U	43.3	92.1
FTF 28	2/16/2016	CARBON-14	2000	-27.5	pCi/L	U	U	43.1	91.7
FTF 28	2/16/2016	CARBON-14	2000	-29.9	pCi/L	U	U	41.5	88.3
FTF 28	9/13/2016	CESIUM-137	200	0.616	pCi/L	U	U	4.82	9.76

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 28	2/16/2016	CESIUM-137	200	0.297	pCi/L	U	U	5.71	11.9
FTF 28	2/16/2016	CESIUM-137	200	-0.224	pCi/L	U	U	5.11	10.9
FTF 28	9/13/2016	CESIUM-137	200	-0.595	pCi/L	U	U	4	8.3
FTF 28	9/13/2016	CESIUM-137	200	-0.682	pCi/L	U	U	3.69	7.73
FTF012R	2/17/2016	CESIUM-137	200	-0.739	pCi/L	U	U	4.57	10.7
FTF 28	2/16/2016	CESIUM-137	200	-1.21	pCi/L	U	U	3.81	9.09
FTF012R	9/13/2016	CESIUM-137	200	-3.46	pCi/L	U	U	5.14	11.9
FBG001C	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 19	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 20	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 22	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 23	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 28	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 28	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 28	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 29	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF009R	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF030	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF030D	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FTF031	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
FBG001C	9/12/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 19	9/12/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 20	9/12/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 22	9/12/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 23	9/12/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	9/13/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 29	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF009R	9/13/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF030	9/13/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF031	9/13/2016	CHROMIUM	100	10	ug/L	U	U	3	10
FTF012R	2/17/2016	CHROMIUM	100	10	ug/L	J	J	10	100
FTF012R	9/13/2016	CHROMIUM	100	8.01	ug/L	J	J	3	10
FTF 28	9/13/2016	CHROMIUM	100	3.17	ug/L	J	J	3	10
FTF030D	9/13/2016	CHROMIUM	100	3.13	ug/L	J	J	3	10
FBG001C	2/17/2016	CHROMIUM	100	2	ug/L	J	J	1	10
FBG001C	9/12/2016	CHROMIUM	100	1.1	ug/L	J	J	1	10
FTF012R	9/13/2016	COBALT-60	100	4.78	pCi/L	U	U	6.19	11.2
FTF 28	2/16/2016	COBALT-60	100	1.94	pCi/L	U	U	5.67	11.1
FTF 28	9/13/2016	COBALT-60	100	1.78	pCi/L	U	U	5.38	10.2
FTF012R	2/17/2016	COBALT-60	100	1.04	pCi/L	U	U	5.42	10.9
FTF 28	2/16/2016	COBALT-60	100	0.303	pCi/L	U	U	4.13	8.43
FTF 28	9/13/2016	COBALT-60	100	-0.183	pCi/L	U	U	4.53	9.65
FTF 28	9/13/2016	COBALT-60	100	-0.999	pCi/L	U	U	4.82	9.82
FTF 28	2/16/2016	COBALT-60	100	-2.48	pCi/L	U	U	4.38	9.82
FTF012R	2/17/2016	CURIUM-242	15	0.0268	pCi/L	U	U	0.0804	0.231
FTF012R	9/13/2016	CURIUM-242	15	0	pCi/L	U	U	0.0603	0.141
FTF012R	9/13/2016	CURIUM-242	15	0	pCi/L	U	U	0.0689	0.162
FTF012R	2/17/2016	CURIUM-242	15	-0.00617	pCi/L	U	U	0.123	0.229
FTF012R	2/17/2016	CURIUM-243/244	15	0.00866	pCi/L	U	U	0.0922	0.188
FTF012R	9/13/2016	CURIUM-243/244	15	0.000715	pCi/L	U	U	0.118	0.224
FTF012R	9/13/2016	CURIUM-243/244	15	-0.0043	pCi/L	U	U	0.151	0.28
FTF012R	2/17/2016	CURIUM-243/244	15	-0.00981	pCi/L	U	U	0.113	0.2
FTF012R	2/17/2016	CURIUM-245/246	15	0.0277	pCi/L	U	U	0.083	0.239
FTF012R	9/13/2016	CURIUM-245/246	15	0.0178	pCi/L	U	U	0.112	0.245
FTF012R	2/17/2016	CURIUM-245/246	15	0.00808	pCi/L	U	U	0.176	0.345
FTF012R	9/13/2016	CURIUM-245/246	15	-0.0197	pCi/L	U	U	0.135	0.226
FTF 28	**9/13/2016**	**GROSS ALPHA**	**15**	**20.2**	**pCi/L**		**J**	**2.56**	**10.8**
FTF 19	2/16/2016	GROSS ALPHA	15	11.1	pCi/L			2.85	9.47
FTF 20	9/12/2016	GROSS ALPHA	15	7.17	pCi/L	J	J	2.4	9.58
FTF 20	2/16/2016	GROSS ALPHA	15	6.04	pCi/L	J	J	2.56	7.36
FTF012R	9/13/2016	GROSS ALPHA	15	5.59	pCi/L	J	J	2.83	8.27
FTF 22	9/12/2016	GROSS ALPHA	15	5.18	pCi/L	J	J	2.45	8.7

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 22	2/16/2016	GROSS ALPHA	15	4.52	pCi/L	J	J	2.64	7.3
FTF 19	9/12/2016	GROSS ALPHA	15	4.17	pCi/L	J	J	2.37	7.94
FTF 23	9/12/2016	GROSS ALPHA	15	4.13	pCi/L	J	J	2.33	7.77
FTF 23	9/12/2016	GROSS ALPHA	15	4.11	pCi/L	J	J	2.31	7.72
FTF 23	2/16/2016	GROSS ALPHA	15	3.61	pCi/L	J	J	2.76	7.04
FTF012R	2/17/2016	GROSS ALPHA	15	3.54	pCi/L	J	J	2.68	6.98
FTF 22	2/16/2016	GROSS ALPHA	15	3.46	pCi/L	J	J	2.72	6.86
FTF009R	2/17/2016	GROSS ALPHA	15	1.81	pCi/L	U	U	2.57	5.89
FBG001C	9/12/2016	GROSS ALPHA	15	1.64	pCi/L	U	U	2.25	5.84
FTF030D	9/13/2016	GROSS ALPHA	15	1.64	pCi/L	U	U	2.25	5.84
FTF030	9/13/2016	GROSS ALPHA	15	1.62	pCi/L	U	U	2.22	5.77
FTF 29	2/16/2016	GROSS ALPHA	15	1.35	pCi/L	U	U	2.12	4.82
FBG001C	9/12/2016	GROSS ALPHA	15	1.088	pCi/L	U	U	1.26	2.932
FBG001C	9/12/2016	GROSS ALPHA	15	0.859	pCi/L	U	U	1.4	3.136
FTF031	9/13/2016	GROSS ALPHA	15	0.845	pCi/L	U	U	2.21	4.99
FBG001C	2/17/2016	GROSS ALPHA	15	0.765	pCi/L	U	U	0.911	2.163
FTF 28	5/3/2016	GROSS ALPHA	15	0.619	pCi/L	U	U	2.67	5.45
FTF030D	2/17/2016	GROSS ALPHA	15	0.548	pCi/L	U	U	2.63	5.41
FTF009R	9/13/2016	GROSS ALPHA	15	0.456	pCi/L	U	U	2.22	4.52
FTF 28	2/16/2016	GROSS ALPHA	15	0.241	pCi/L	U	U	1.8	3.88
FBG001C	2/17/2016	GROSS ALPHA	15	0.187	pCi/L	U	U	2.7	5.34
FTF031	2/17/2016	GROSS ALPHA	15	0.109	pCi/L	U	U	2.79	5.63
FTF 29	9/14/2016	GROSS ALPHA	15	-0.281	pCi/L	U	U	2.24	3.48
FTF 28	2/16/2016	GROSS ALPHA	15	-0.415	pCi/L	U	U	1.96	3.81
FTF030	2/16/2016	GROSS ALPHA	15	-0.583	pCi/L	U	U	1.87	3.32
FTF 28	9/13/2016	GROSS ALPHA	15	-1.16	pCi/L	U	UJ	2.73	4.71
FTF 20	**9/12/2016**	**IODINE-129**	**1**	**1.41**	**pCi/L**	**J**	**J**	**0.972**	**2.81**
FTF 19	**9/12/2016**	**IODINE-129**	**1**	**1.28**	**pCi/L**	**J**	**J**	**1.02**	**3.38**
FTF 28	**9/13/2016**	**IODINE-129**	**1**	**1.19**	**pCi/L**	**J**	**J**	**1.1**	**2.77**
FTF012R	2/17/2016	IODINE-129	1	0.894	pCi/L	R	R	0.736	1.94
FTF 22	9/12/2016	IODINE-129	1	0.757	pCi/L	U	U	0.993	2.41
FBG001C	9/12/2016	IODINE-129	1	0.475	pCi/L	U	U	1.07	2.26
FTF009R	2/17/2016	IODINE-129	1	0.43	pCi/L	U	U	0.765	1.65
FBG001C	9/12/2016	IODINE-129	1	0.3122	pCi/L	U	R	0.469	1.043
FTF009R	9/13/2016	IODINE-129	1	0.298	pCi/L	U	U	1.15	2.47
FTF030D	9/13/2016	IODINE-129	1	0.285	pCi/L	U	U	1.08	2.33
FBG001C	9/12/2016	IODINE-129	1	0.134	pCi/L	U	R	0.422	0.932
FTF 29	9/14/2016	IODINE-129	1	0.131	pCi/L	U	U	1	2.39
FTF012R	9/13/2016	IODINE-129	1	0.124	pCi/L	U	UJ	1.18	2.24
FBG001C	2/17/2016	IODINE-129	1	0.07736	pCi/L	U	UJ	0.632	1.384
FTF031	2/17/2016	IODINE-129	1	0.0415	pCi/L	U	U	1.15	2.04
FTF031	9/13/2016	IODINE-129	1	0.0361	pCi/L	U	U	1.07	2.33
FBG001C	2/17/2016	IODINE-129	1	0.0158	pCi/L	U	U	0.601	0.786
FTF 23	9/12/2016	IODINE-129	1	0.00726	pCi/L	U	U	1.04	2.28
FBG001C	9/12/2016	IODINE-129	1	-0.0121	pCi/L	U	U	1.06	2.29
FTF 19	2/16/2016	IODINE-129	1	-0.0161	pCi/L	U	U	1.37	2.77
FTF 20	2/16/2016	IODINE-129	1	-0.0277	pCi/L	U	U	1.31	2.47
FTF 29	2/16/2016	IODINE-129	1	-0.0316	pCi/L	U	U	1.2	2.4
FBG001C	2/17/2016	IODINE-129	1	-0.0319	pCi/L	U	UJ	0.658	1.432
FTF030D	2/17/2016	IODINE-129	1	-0.0454	pCi/L	U	U	1.05	2.02
FTF 28	9/13/2016	IODINE-129	1	-0.0631	pCi/L	UJ	UJ	1.44	2.95
FTF031	9/13/2016	IODINE-129	1	-0.0832	pCi/L	U	U	1.1	2.4
FTF030	2/16/2016	IODINE-129	1	-0.106	pCi/L	U	U	1.2	2.67
FTF 28	5/3/2016	IODINE-129	1	-0.15	pCi/L	U	U	0.973	2.11
FTF 28	2/16/2016	IODINE-129	1	-0.153	pCi/L	U	U	1.07	2.11
FTF 28	2/16/2016	IODINE-129	1	-0.177	pCi/L	U	U	0.847	1.79
FTF 22	2/16/2016	IODINE-129	1	-0.327	pCi/L	U	U	1.27	2.71
FTF 28	9/13/2016	IODINE-129	1	-0.332	pCi/L	U	UJ	1.27	2.55
FTF030	2/16/2016	IODINE-129	1	-0.402	pCi/L	U	U	1.01	2.34
FTF 23	2/16/2016	IODINE-129	1	-0.417	pCi/L	U	U	0.959	2.04
FTF030	9/13/2016	IODINE-129	1	-0.663	pCi/L	U	U	0.999	2.43
FTF 28	9/13/2016	LEAD-212	1.8[b]	7.97	pCi/L	R	R	7.62	25.7

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 28	2/16/2016	LEAD-212	1.8[b]	7.95	pCi/L	U	U	9.84	26
FTF 28	2/16/2016	LEAD-212	1.8[b]	7.59	pCi/L	U	U	7.64	21.1
FTF 28	9/13/2016	LEAD-212	1.8[b]	5.87	pCi/L	U	U	8.97	26
FTF 28	2/16/2016	LEAD-212	1.8[b]	3.02	pCi/L	U	U	7.97	18
FTF012R	9/13/2016	LEAD-212	1.8[b]	2.94	pCi/L	U	U	10.1	28.5
FTF 28	9/13/2016	LEAD-212	1.8[b]	1.57	pCi/L	U	U	7.25	22
FTF012R	2/17/2016	LEAD-212	1.8[b]	1.05	pCi/L	U	U	8.72	23.5
FTF012R	**2/17/2016**	**LEAD-214**	**130[b]**	**182**	**pCi/L**			**29.6**	**63**
FTF 28	2/16/2016	LEAD-214	130[b]	125	pCi/L			29.8	64.4
FTF 28	2/16/2016	LEAD-214	130[b]	109	pCi/L			10.2	35
FTF 28	2/16/2016	LEAD-214	130[b]	105	pCi/L			8.49	32.7
FTF012R	9/13/2016	LEAD-214	130[b]	86.4	pCi/L			10.8	41.2
FTF 28	9/13/2016	LEAD-214	130[b]	69.8	pCi/L			8.38	30.4
FTF 28	9/13/2016	LEAD-214	130[b]	58.6	pCi/L			9.49	39.5
FTF 28	9/13/2016	LEAD-214	130[b]	57.6	pCi/L			10.5	43.7
FTF009R	9/13/2016	MANGANESE	430[a]	187	ug/L			1	5
FBG001C	2/17/2016	MANGANESE	430[a]	140	ug/L			0.88	2
FBG001C	9/12/2016	MANGANESE	430[a]	130	ug/L			0.88	2
FBG001C	9/12/2016	MANGANESE	430[a]	124	ug/L			1	5
FTF 20	9/12/2016	MANGANESE	430[a]	102	ug/L			1	5
FBG001C	2/17/2016	MANGANESE	430[a]	86.1	ug/L			1	10
FTF 20	2/16/2016	MANGANESE	430[a]	72.7	ug/L			1	10
FTF030D	9/13/2016	MANGANESE	430[a]	65.7	ug/L			1	5
FTF 19	2/16/2016	MANGANESE	430[a]	62.7	ug/L			1	10
FTF030	9/13/2016	MANGANESE	430[a]	61.1	ug/L			1	5
FTF030D	2/17/2016	MANGANESE	430[a]	49.5	ug/L			1	10
FTF009R	2/17/2016	MANGANESE	430[a]	48.8	ug/L			1	10
FTF 19	9/12/2016	MANGANESE	430[a]	46.9	ug/L			1	5
FTF030	2/16/2016	MANGANESE	430[a]	45.6	ug/L			1	10
FTF 22	9/12/2016	MANGANESE	430[a]	18.9	ug/L			1	5
FTF 23	2/16/2016	MANGANESE	430[a]	15.3	ug/L			1	10
FTF 28	9/13/2016	MANGANESE	430[a]	11.5	ug/L			1	5
FTF 28	9/13/2016	MANGANESE	430[a]	11.4	ug/L			1	5
FTF 22	2/16/2016	MANGANESE	430[a]	11	ug/L			1	10
FTF 23	9/12/2016	MANGANESE	430[a]	10.7	ug/L			1	5
FTF031	9/13/2016	MANGANESE	430[a]	10.2	ug/L			1	5
FTF 29	2/16/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
FTF 28	2/16/2016	MANGANESE	430[a]	9.48	ug/L	J	J	1	10
FTF 28	2/16/2016	MANGANESE	430[a]	9.46	ug/L	J	J	1	10
FTF 28	2/16/2016	MANGANESE	430[a]	9.45	ug/L	J	J	1	10
FTF031	2/17/2016	MANGANESE	430[a]	9.32	ug/L	J	J	1	10
FTF 29	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
FTF012R	9/13/2016	MANGANESE	430[a]	4.67	ug/L	J	J	1	5
FTF012R	2/17/2016	MANGANESE	430[a]	2.74	ug/L	J	J	1	10
FTF012R	9/13/2016	NEPTUNIUM-237	15	0.464	pCi/L	U	U	0.753	1.84
FTF012R	2/17/2016	NEPTUNIUM-237	15	-0.0227	pCi/L	U	U	0.492	0.916
FTF012R	2/17/2016	NEPTUNIUM-237	15	-0.0531	pCi/L	U	U	0.364	0.61
FTF012R	9/13/2016	NEPTUNIUM-237	15	-0.0812	pCi/L	U	U	0.689	1.18
FTF 28	2/16/2016	NICKEL-59	300	12.8	pCi/L	U	U	15.9	35.6
FTF012R	9/13/2016	NICKEL-59	300	4.98	pCi/L	U	U	5.85	19.8
FTF012R	2/17/2016	NICKEL-59	300	0.762	pCi/L	U	U	6.93	14.2
FTF 28	9/13/2016	NICKEL-59	300	-1.06	pCi/L	U	U	18	36
FTF 28	2/16/2016	NICKEL-59	300	-1.28	pCi/L	U	U	12.9	28.2
FTF012R	9/13/2016	NICKEL-59	300	-8.76	pCi/L	U	U	15.9	34.1
FTF 28	9/13/2016	NICKEL-59	300	-18.9	pCi/L	U	U	19.5	46.3
FTF 28	2/16/2016	NICKEL-59	300	-38.2	pCi/L	U	U	17.6	41.4
FTF 28	2/16/2016	NICKEL-63	50	11.5	pCi/L	U	U	21.3	46.7
FTF 28	2/16/2016	NICKEL-63	50	10.7	pCi/L	U	U	37.2	81
FTF 28	2/16/2016	NICKEL-63	50	9.22	pCi/L	U	U	24.5	53.5
FTF012R	2/17/2016	NICKEL-63	50	4.74	pCi/L	U	U	23	50
FTF 28	9/13/2016	NICKEL-63	50	1.2	pCi/L	U	U	6.32	13.8
FTF 28	9/13/2016	NICKEL-63	50	1.04	pCi/L	U	U	6.09	13.3

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[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF012R	9/13/2016	NICKEL-63	50	-0.61	pCi/L	U	U	6.49	14.1
FTF012R	9/13/2016	NICKEL-63	50	-0.699	pCi/L	U	U	6.12	13.2
FBG001C	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	7.4	mg/L			0.11	0.5
FBG001C	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	7.33	mg/L			0.11	0.5
FBG001C	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	7	mg/L			0.17	0.5
FBG001C	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	6.9	mg/L			0.094	1
FBG001C	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	6.85	mg/L			0.425	1.25
FTF030D	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	4.1	mg/L		J	0.085	0.25
FTF031	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	3.42	mg/L		J	0.085	0.25
FTF 29	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	3.34	mg/L		J	0.085	0.25
FTF 20	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	3.2	mg/L		J	0.085	0.25
FTF009R	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	3.09	mg/L			0.17	0.5
FTF031	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	2.72	mg/L			0.17	0.5
FTF030D	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	2.69	mg/L			0.17	0.5
FTF 28	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.57	mg/L			0.085	0.25
FTF 28	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.56	mg/L			0.085	0.25
FTF 23	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.51	mg/L		J	0.085	0.25
FTF 28	5/3/2016	NITRATE-NITRITE AS NITROGEN	10	2.44	mg/L			0.085	0.25
FTF 29	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	2.31	mg/L			0.085	0.25
FTF 20	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	2.29	mg/L			0.17	0.5
FTF 19	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.27	mg/L		J	0.085	0.25
FTF 22	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.2	mg/L		J	0.085	0.25
FTF 19	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.14	mg/L		J	0.085	0.25
FTF030	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	1.99	mg/L			0.085	0.25
FTF012R	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	1.97	mg/L		J	0.085	0.25
FTF 28	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.97	mg/L			0.085	0.25
FTF 23	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	1.93	mg/L			0.17	0.5
FTF 28	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.93	mg/L			0.085	0.25
FTF 28	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.93	mg/L			0.085	0.25
FTF009R	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.91	mg/L	J	J	0.085	0.25
FTF 22	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	1.75	mg/L			0.085	0.25
FTF012R	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.75	mg/L			0.085	0.25
FTF 22	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	1.72	mg/L			0.085	0.25
FTF030	9/13/2016	NITRATE-NITRITE AS NITROGEN	10	1.51	mg/L			0.085	0.25
FTF 19	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	1.44	mg/L			0.085	0.25
FTF 19	9/12/2016	NITRATE-NITRITE AS NITROGEN	10	1.42	mg/L			0.085	0.25
FTF 28	**2/16/2016**	**NONVOLATILE BETA**	**50**	**720**	**pCi/L**		**J**	**3.27**	**32.3**
FTF 28	**9/13/2016**	**NONVOLATILE BETA**	**50**	**668**	**pCi/L**		**J**	**2.11**	**34.5**
FTF 28	**5/3/2016**	**NONVOLATILE BETA**	**50**	**624**	**pCi/L**			**3.81**	**61.8**
FTF 28	**2/16/2016**	**NONVOLATILE BETA**	**50**	**471**	**pCi/L**		**J**	**3.35**	**27**
FTF 28	**9/13/2016**	**NONVOLATILE BETA**	**50**	**377**	**pCi/L**		**J**	**2.84**	**27.2**
FTF012R	**2/17/2016**	**NONVOLATILE BETA**	**50**	**154**	**pCi/L**			**3.32**	**20.1**
FTF012R	**9/13/2016**	**NONVOLATILE BETA**	**50**	**139**	**pCi/L**			**2.14**	**16.5**
FTF 19	9/12/2016	NONVOLATILE BETA	50	10.6	pCi/L	J	J	3.89	11.5
FTF 19	2/16/2016	NONVOLATILE BETA	50	9.75	pCi/L			3.25	8.73
FTF 29	9/14/2016	NONVOLATILE BETA	50	6.57	pCi/L	J	J	4.03	11
FTF 20	2/16/2016	NONVOLATILE BETA	50	4.99	pCi/L	J	J	3.45	8.15
FTF009R	2/17/2016	NONVOLATILE BETA	50	4.4	pCi/L	J	J	3.29	7.79
FTF 23	2/16/2016	NONVOLATILE BETA	50	4.23	pCi/L	J	J	3.4	7.94
FBG001C	2/17/2016	NONVOLATILE BETA	50	4.11	pCi/L	J	J	3.09	7.33
FTF 29	2/16/2016	NONVOLATILE BETA	50	3.94	pCi/L	J	J	2.8	6.58
FTF 23	9/12/2016	NONVOLATILE BETA	50	3.71	pCi/L	U	U	4.61	11.3
FBG001C	9/12/2016	NONVOLATILE BETA	50	3.61	pCi/L	U	U	4.29	10.7
FTF 20	9/12/2016	NONVOLATILE BETA	50	3.57	pCi/L	U	U	3.97	9.65
FTF 22	9/12/2016	NONVOLATILE BETA	50	3.45	pCi/L	U	U	3.92	9.54
FTF030D	2/17/2016	NONVOLATILE BETA	50	3.28	pCi/L	U	U	3.64	8.22
FTF 22	2/16/2016	NONVOLATILE BETA	50	3.2	pCi/L	U	U	3.46	7.88
FTF 22	2/16/2016	NONVOLATILE BETA	50	3.08	pCi/L	J	J	3.04	7.02
FBG001C	2/17/2016	NONVOLATILE BETA	50	3.02	pCi/L			0.898	2.408
FBG001C	9/12/2016	NONVOLATILE BETA	50	2.638	pCi/L			1.03	2.606
FTF 23	9/12/2016	NONVOLATILE BETA	50	2.51	pCi/L	U	U	4.61	11
FTF030D	9/13/2016	NONVOLATILE BETA	50	2.42	pCi/L	U	U	4.29	10.3

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[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FBG001C	9/12/2016	NONVOLATILE BETA	50	2.41	pCi/L	J	J	0.947	2.413
FTF030	9/13/2016	NONVOLATILE BETA	50	1.94	pCi/L	U	U	4.28	10.2
FTF030	2/16/2016	NONVOLATILE BETA	50	1.89	pCi/L	U	U	2.99	6.61
FTF009R	9/13/2016	NONVOLATILE BETA	50	0.604	pCi/L	U	U	4.12	9.4
FTF031	9/13/2016	NONVOLATILE BETA	50	0.497	pCi/L	U	U	4.17	9.47
FTF031	2/17/2016	NONVOLATILE BETA	50	-0.0514	pCi/L	U	U	3.17	6.65
FTF 29	2/16/2016	PH	NA	7.3	pH				
FTF012R	9/13/2016	PH	NA	6.5	pH				
FTF 29	9/14/2016	PH	NA	6.2	pH				
FTF012R	2/17/2016	PH	NA	6	pH				
FBG001C	2/17/2016	PH	NA	5.6	pH				
FTF009R	2/17/2016	PH	NA	5.6	pH				
FTF 19	9/12/2016	PH	NA	5.4	pH				
FTF 22	9/12/2016	PH	NA	5.4	pH				
FTF009R	9/13/2016	PH	NA	5.4	pH				
FTF030	2/16/2016	PH	NA	5.4	pH				
FTF 22	2/16/2016	PH	NA	5.3	pH				
FTF 19	2/16/2016	PH	NA	5.2	pH				
FTF 20	2/16/2016	PH	NA	5.2	pH				
FTF030	9/13/2016	PH	NA	5.2	pH				
FBG001C	9/12/2016	PH	NA	5.1	pH				
FTF 20	9/12/2016	PH	NA	5	pH				
FTF 28	2/16/2016	PH	NA	5	pH				
FTF 28	9/13/2016	PH	NA	5	pH				
FTF030D	2/17/2016	PH	NA	4.9	pH				
FTF 23	2/16/2016	PH	NA	4.8	pH				
FTF031	2/17/2016	PH	NA	4.8	pH				
FTF030D	9/13/2016	PH	NA	4.7	pH				
FTF 23	9/12/2016	PH	NA	4.6	pH				
FTF031	9/13/2016	PH	NA	4.6	pH				
FTF 28	5/3/2016	PH	NA	4.4	pH				
FBG001D	2/17/2016	PH	NA		pH				
FBG001D	9/13/2016	PH	NA		pH				
FTF012R	9/13/2016	PLUTONIUM-238	15	0.0532	pCi/L	U	U	0.234	0.492
FTF012R	9/13/2016	PLUTONIUM-238	15	0.0264	pCi/L	U	U	0.198	0.402
FTF012R	2/17/2016	PLUTONIUM-238	15	0.00592	pCi/L	U	U	0.152	0.297
FTF012R	2/17/2016	PLUTONIUM-238	15	-0.00515	pCi/L	U	U	0.19	0.353
FTF012R	2/17/2016	PLUTONIUM-239/240	15	0.0988	pCi/L	U	U	0.216	0.494
FTF012R	2/17/2016	PLUTONIUM-239/240	15	0.0587	pCi/L	U	U	0.228	0.488
FTF012R	9/13/2016	PLUTONIUM-239/240	15	0.0524	pCi/L	U	U	0.169	0.377
FTF012R	9/13/2016	PLUTONIUM-239/240	15	-0.0151	pCi/L	U	U	0.172	0.308
FTF012R	2/17/2016	PLUTONIUM-242	15	0.0451	pCi/L	U	U	0.244	0.506
FTF012R	2/17/2016	PLUTONIUM-242	15	0.0144	pCi/L	U	U	0.19	0.376
FTF012R	9/13/2016	PLUTONIUM-242	15	-0.015	pCi/L	U	U	0.171	0.307
FTF012R	9/13/2016	PLUTONIUM-242	15	-0.0236	pCi/L	U	U	0.207	0.367
FTF 28	2/16/2016	POTASSIUM-40	0.83[b]	17.7	pCi/L	U	U	56.7	183
FTF 28	9/13/2016	POTASSIUM-40	0.83[b]	16.6	pCi/L	U	U	52.3	137
FTF 28	2/16/2016	POTASSIUM-40	0.83[b]	10.6	pCi/L	U	U	72.2	149
FTF 28	9/13/2016	POTASSIUM-40	0.83[b]	6.71	pCi/L	U	U	47.4	115
FTF012R	2/17/2016	POTASSIUM-40	0.83[b]	4.86	pCi/L	U	U	47.4	121
FTF 28	2/16/2016	POTASSIUM-40	0.83[b]	2.49	pCi/L	U	U	42.6	112
FTF 28	9/13/2016	POTASSIUM-40	0.83[b]	0.584	pCi/L	U	U	38	106
FTF012R	9/13/2016	POTASSIUM-40	0.83[b]	-51.4	pCi/L	U	U	66.2	143
FTF 28	9/13/2016	PROMETHIUM-147	25[b]	4.14	pCi/L	U	U	8.07	17.7
FTF 28	2/16/2016	PROMETHIUM-147	25[b]	1.17	pCi/L	U	U	6.81	14.8
FTF 28	2/16/2016	PROMETHIUM-147	25[b]	1.16	pCi/L	U	U	6.73	14.6
FTF012R	9/13/2016	PROMETHIUM-147	25[b]	0.669	pCi/L	U	U	7.88	17.1
FTF 28	9/13/2016	PROMETHIUM-147	25[b]	-0.736	pCi/L	U	U	8.2	17.8
FTF 28	9/13/2016	PROMETHIUM-147	25[b]	-1.13	pCi/L	U	U	8.82	19.1
FTF012R	2/17/2016	PROMETHIUM-147	25[b]	-1.22	pCi/L	U	U	7.12	15.4
FTF 28	2/16/2016	PROMETHIUM-147	25[b]	-1.54	pCi/L	U	U	7.29	15.7
FTF012R	9/13/2016	RADIUM-226	5	1.95	pCi/L			0.398	1.36

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[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF012R	2/17/2016	RADIUM-226	5	1.79	pCi/L			0.489	1.52
FTF012R	9/13/2016	RADIUM-226	5	1.68	pCi/L			0.409	1.33
FTF 28	9/13/2016	RADIUM-226	5	1.1	pCi/L			0.327	1.04
FTF 28	9/13/2016	RADIUM-226	5	0.931	pCi/L	J	J	0.337	1.03
FTF 28	2/16/2016	RADIUM-226	5	0.64	pCi/L	J	J	0.608	1.46
FTF 28	2/16/2016	RADIUM-226	5	0.433	pCi/L	J	J	0.255	0.761
FTF 28	5/3/2016	RADIUM-226	5	0.306	pCi/L	U	UJ	0.338	0.798
FTF 28	9/13/2016	RADIUM-228	5	1.4	pCi/L			0.504	1.35
FTF012R	9/13/2016	RADIUM-228	5	1.26	pCi/L	J	J	0.574	1.46
FTF 28	2/16/2016	RADIUM-228	5	0.996	pCi/L	J	J	0.693	1.66
FTF012R	9/13/2016	RADIUM-228	5	0.697	pCi/L	J	J	0.592	1.38
FTF012R	2/17/2016	RADIUM-228	5	0.378	pCi/L	U	U	0.405	0.943
FTF 28	9/13/2016	RADIUM-228	5	0.285	pCi/L	U	U	0.593	1.29
FTF 28	5/3/2016	RADIUM-228	5	0.084	pCi/L	U	U	0.668	1.41
FTF 28	2/16/2016	RADIUM-228	5	-0.256	pCi/L	U	U	0.718	1.38
FTF 22	9/12/2016	SODIUM	NA	13700	ug/L			80	250
FTF 22	2/16/2016	SODIUM	NA	13500	ug/L			20	200
FTF 20	9/12/2016	SODIUM	NA	12100	ug/L			80	250
FTF 20	2/16/2016	SODIUM	NA	10500	ug/L			20	200
FBG001C	2/17/2016	SODIUM	NA	7600	ug/L			24	50
FTF030D	9/13/2016	SODIUM	NA	7460	ug/L			80	250
FTF 23	9/12/2016	SODIUM	NA	7180	ug/L			80	250
FTF030D	2/17/2016	SODIUM	NA	6900	ug/L			20	200
FBG001C	9/12/2016	SODIUM	NA	6320	ug/L			80	250
FTF 23	2/16/2016	SODIUM	NA	6050	ug/L			20	200
FBG001C	9/12/2016	SODIUM	NA	6000	ug/L			24	50
FTF 29	9/14/2016	SODIUM	NA	5500	ug/L		J	80	250
FTF012R	9/13/2016	SODIUM	NA	5300	ug/L			80	250
FBG001C	2/17/2016	SODIUM	NA	4800	ug/L			20	200
FTF031	9/13/2016	SODIUM	NA	4390	ug/L			80	250
FTF 19	9/12/2016	SODIUM	NA	4330	ug/L			80	250
FTF012R	2/17/2016	SODIUM	NA	4070	ug/L			20	200
FTF 19	2/16/2016	SODIUM	NA	3920	ug/L			20	200
FTF031	2/17/2016	SODIUM	NA	3830	ug/L			20	200
FTF030	9/13/2016	SODIUM	NA	3710	ug/L			80	250
FTF 29	2/16/2016	SODIUM	NA	3560	ug/L			20	200
FTF009R	9/13/2016	SODIUM	NA	3250	ug/L		J	80	250
FTF030	2/16/2016	SODIUM	NA	3230	ug/L			20	200
FTF 28	9/13/2016	SODIUM	NA	2980	ug/L			80	250
FTF 28	9/13/2016	SODIUM	NA	2960	ug/L			80	250
FTF009R	2/17/2016	SODIUM	NA	2580	ug/L			20	200
FTF 28	2/16/2016	SODIUM	NA	2490	ug/L			20	200
FTF 28	2/16/2016	SODIUM	NA	2460	ug/L			20	200
FTF 28	2/16/2016	SODIUM	NA	2460	ug/L			20	200
FTF 29	9/14/2016	SPECIFIC CONDUCTANCE	NA	272	uS/cm				
FTF 29	2/16/2016	SPECIFIC CONDUCTANCE	NA	269	uS/cm				
FTF012R	9/13/2016	SPECIFIC CONDUCTANCE	NA	190	uS/cm				
FTF012R	2/17/2016	SPECIFIC CONDUCTANCE	NA	160	uS/cm				
FTF 22	9/12/2016	SPECIFIC CONDUCTANCE	NA	119	uS/cm				
FTF 22	2/16/2016	SPECIFIC CONDUCTANCE	NA	114	uS/cm				
FTF 19	9/12/2016	SPECIFIC CONDUCTANCE	NA	112	uS/cm				
FTF 20	2/16/2016	SPECIFIC CONDUCTANCE	NA	109	uS/cm				
FTF 20	9/12/2016	SPECIFIC CONDUCTANCE	NA	109	uS/cm				
FTF 19	2/16/2016	SPECIFIC CONDUCTANCE	NA	97	uS/cm				
FBG001C	9/12/2016	SPECIFIC CONDUCTANCE	NA	89	uS/cm				
FBG001C	2/17/2016	SPECIFIC CONDUCTANCE	NA	88	uS/cm				
FTF030D	2/17/2016	SPECIFIC CONDUCTANCE	NA	68	uS/cm				
FTF 23	2/16/2016	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
FTF 23	9/12/2016	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
FTF030D	9/13/2016	SPECIFIC CONDUCTANCE	NA	62	uS/cm				
FTF009R	2/17/2016	SPECIFIC CONDUCTANCE	NA	58	uS/cm				
FTF031	2/17/2016	SPECIFIC CONDUCTANCE	NA	51	uS/cm				

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[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF009R	9/13/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
FTF031	9/13/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
FTF030	2/16/2016	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
FTF030	9/13/2016	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
FTF 28	5/3/2016	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
FTF 28	9/13/2016	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
FTF 28	2/16/2016	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
FBG001D	2/17/2016	SPECIFIC CONDUCTANCE	NA		uS/cm				
FBG001D	9/13/2016	SPECIFIC CONDUCTANCE	NA		uS/cm				
FTF012R	**9/13/2016**	**STRONTIUM-90**	**8**	**13.1**	**pCi/L**	**J**	**J**	**5.08**	**13.2**
FTF012R	**9/13/2016**	**STRONTIUM-90**	**8**	**10.9**	**pCi/L**	**J**	**J**	**4.32**	**11.4**
FTF012R	2/17/2016	STRONTIUM-90	8	2.93	pCi/L	U	U	7.87	17
FTF 28	2/16/2016	STRONTIUM-90	8	1.5	pCi/L	U	U	7.07	15
FTF 28	5/3/2016	STRONTIUM-90	8	0.252	pCi/L	U	U	3.21	6.9
FTF 28	9/13/2016	STRONTIUM-90	8	-0.838	pCi/L	U	U	3.5	6.72
FTF 28	9/13/2016	STRONTIUM-90	8	-1.19	pCi/L	U	U	3.72	7.06
FTF 28	2/16/2016	STRONTIUM-90	8	-1.3	pCi/L	U	U	6.71	13.2
FTF 28	2/16/2016	STRONTIUM-90	8	-5.13	pCi/L	U	U	8.02	15.2
FTF 28	**2/16/2016**	**TECHNETIUM-99**	**900**	**1480**	**pCi/L**			**8.31**	**73.9**
FTF 28	**9/13/2016**	**TECHNETIUM-99**	**900**	**1470**	**pCi/L**			**8.19**	**46.8**
FTF 28	**9/13/2016**	**TECHNETIUM-99**	**900**	**1440**	**pCi/L**			**7.98**	**45.8**
FTF 28	**9/13/2016**	**TECHNETIUM-99**	**900**	**1420**	**pCi/L**			**8.44**	**47**
FTF 28	**2/16/2016**	**TECHNETIUM-99**	**900**	**1380**	**pCi/L**			**8.26**	**71.5**
FTF 28	**5/3/2016**	**TECHNETIUM-99**	**900**	**1270**	**pCi/L**			**4.58**	**33**
FTF012R	9/13/2016	TECHNETIUM-99	900	252	pCi/L			8.48	27.1
FTF012R	2/17/2016	TECHNETIUM-99	900	239	pCi/L			5.75	21
FBG001C	9/12/2016	TECHNETIUM-99	900	4.81	pCi/L	J	J	4.15	9.36
FBG001C	9/12/2016	TECHNETIUM-99	900	4.29	pCi/L	J	J	1.89	4.43
FBG001C	9/12/2016	TECHNETIUM-99	900	3.032	pCi/L	J	J	1.82	4.2
FBG001C	2/17/2016	TECHNETIUM-99	900	2.66	pCi/L	J	J	2.38	5.34
FTF030	9/13/2016	TECHNETIUM-99	900	2.02	pCi/L	U	U	4.3	9.54
FTF030D	9/13/2016	TECHNETIUM-99	900	1.86	pCi/L	U	U	4.31	9.53
FBG001C	2/17/2016	TECHNETIUM-99	900	1.78	pCi/L	U	U	5.95	13
FBG001C	2/17/2016	TECHNETIUM-99	900	1.239	pCi/L	U	U	2.49	5.49
FTF009R	9/13/2016	TECHNETIUM-99	900	0.19	pCi/L	U	U	4.3	9.4
FTF030	2/16/2016	TECHNETIUM-99	900	-0.795	pCi/L	U	U	8.33	17.5
FTF012R	9/13/2016	THALLIUM-208		4.42	pCi/L	U	U	5.52	16.4
FTF012R	2/17/2016	THALLIUM-208		3.7	pCi/L	U	U	4.91	15.8
FTF 28	2/16/2016	THALLIUM-208		2.33	pCi/L	U	U	4.82	12.7
FTF 28	9/13/2016	THALLIUM-208		0.803	pCi/L	U	U	5.17	16.4
FTF 28	9/13/2016	THALLIUM-208		0.673	pCi/L	U	U	6.76	14.1
FTF 28	9/13/2016	THALLIUM-208		0.201	pCi/L	U	U	4.99	10.3
FTF 28	2/16/2016	THALLIUM-208		-0.95	pCi/L	U	U	5.21	11.7
FTF 28	2/16/2016	THALLIUM-208		-3.68	pCi/L	U	U	3.69	8.59
FTF012R	9/13/2016	THORIUM-228	15	0.1	pCi/L	U	U	0.483	1.04
FTF012R	2/17/2016	THORIUM-228	15	0.0702	pCi/L	U	U	0.451	0.985
FTF012R	2/17/2016	THORIUM-228	15	0.0687	pCi/L	U	U	0.521	1.06
FTF012R	9/13/2016	THORIUM-228	15	0.0296	pCi/L	U	U	0.662	1.3
FTF012R	2/17/2016	THORIUM-230	15	0.296	pCi/L	U	U	0.793	1.76
FTF012R	2/17/2016	THORIUM-230	15	0.171	pCi/L	U	U	0.635	1.35
FTF012R	9/13/2016	THORIUM-230	15	0.0735	pCi/L	U	U	0.847	1.68
FTF012R	9/13/2016	THORIUM-230	15	0.0534	pCi/L	U	U	0.697	1.38
FTF012R	9/13/2016	THORIUM-232	15	0.176	pCi/L	U	U	0.526	1.25
FTF012R	2/17/2016	THORIUM-232	15	0.154	pCi/L	U	U	0.463	1.1
FTF012R	2/17/2016	THORIUM-232	15	0.073	pCi/L	U	U	0.4	0.846
FTF012R	9/13/2016	THORIUM-232	15	-0.00809	pCi/L	U	U	0.311	0.619
FTF 29	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	119	mg/L				
FTF 29	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	115	mg/L				
FTF012R	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	41	mg/L				
FTF012R	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	36	mg/L				
FTF 19	9/12/2016	TOTAL ALKALINITY (AS CACO3)	NA	17	mg/L				
FBG001C	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	16	mg/L				

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 22	9/12/2016	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
FTF009R	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
FTF030	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	13	mg/L				
FTF 22	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
FTF 20	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
FTF 19	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
FTF009R	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
FTF030	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
FBG001C	9/12/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 20	9/12/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 23	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 23	9/12/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	5/3/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF031	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF031	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FBG001D	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA		mg/L				
FBG001D	9/13/2016	TOTAL ALKALINITY (AS CACO3)	NA		mg/L				
FTF030D	**9/13/2016**	**TRITIUM**	**20**	**42.8**	**pCi/mL**			**0.46**	**3.01**
FTF030D	**2/17/2016**	**TRITIUM**	**20**	**23.5**	**pCi/mL**			**0.45**	**2.33**
FTF 29	9/14/2016	TRITIUM	20	5.73	pCi/mL			0.468	1.53
FTF 29	2/16/2016	TRITIUM	20	4.8	pCi/mL			0.435	1.4
FTF 28	5/3/2016	TRITIUM	20	3.19	pCi/mL			0.502	1.35
FTF 28	2/16/2016	TRITIUM	20	2.95	pCi/mL			0.437	1.26
FTF012R	9/13/2016	TRITIUM	20	2.5	pCi/mL			0.498	1.41
FTF 28	9/13/2016	TRITIUM	20	2.48	pCi/mL			0.505	1.42
FTF 28	2/16/2016	TRITIUM	20	2.36	pCi/mL			0.438	1.21
FBG001C	2/17/2016	TRITIUM	20	2.32	pCi/mL			0.444	1.21
FBG001C	9/12/2016	TRITIUM	20	2.2	pCi/mL			0.252	0.846
FTF 28	9/13/2016	TRITIUM	20	2.12	pCi/mL			0.5	1.37
FBG001C	9/12/2016	TRITIUM	20	1.99	pCi/mL			0.453	1.2
FBG001C	2/17/2016	TRITIUM	20	1.95	pCi/mL			0.389	1.217
FTF012R	2/17/2016	TRITIUM	20	1.92	pCi/mL			0.438	1.16
FTF 19	9/12/2016	TRITIUM	20	1.89	pCi/mL			0.456	1.2
FTF 20	9/12/2016	TRITIUM	20	1.71	pCi/mL			0.454	1.17
FTF 20	2/16/2016	TRITIUM	20	1.55	pCi/mL			0.553	1.33
FTF 19	2/16/2016	TRITIUM	20	1.5	pCi/mL			0.549	1.32
FTF 22	2/16/2016	TRITIUM	20	1.44	pCi/mL			0.552	1.32
FTF 22	9/12/2016	TRITIUM	20	1.35	pCi/mL			0.457	1.14
FTF031	2/17/2016	TRITIUM	20	1.35	pCi/mL			0.448	1.12
FTF 23	9/12/2016	TRITIUM	20	1.31	pCi/mL			0.455	1.13
FTF031	9/13/2016	TRITIUM	20	1.23	pCi/mL			0.448	1.11
FTF 23	2/16/2016	TRITIUM	20	1.2	pCi/mL	J	J	0.548	1.29
FTF030	9/13/2016	TRITIUM	20	1.16	pCi/mL			0.458	1.13
FTF030	2/16/2016	TRITIUM	20	1.05	pCi/mL	J	J	0.441	1.08
FTF009R	9/13/2016	TRITIUM	20	0.765	pCi/mL	J	J	0.454	1.07
FTF009R	2/17/2016	TRITIUM	20	0.659	pCi/mL	J	J	0.439	1.03
FTF030D	2/17/2016	TURBIDITY	NA	13	NTU				
FTF030D	9/13/2016	TURBIDITY	NA	9.7	NTU				
FTF012R	9/13/2016	TURBIDITY	NA	8.4	NTU				
FTF 29	9/14/2016	TURBIDITY	NA	6.2	NTU				
FBG001C	9/12/2016	TURBIDITY	NA	5.2	NTU				
FTF012R	2/17/2016	TURBIDITY	NA	4.4	NTU				
FTF 20	2/16/2016	TURBIDITY	NA	1.4	NTU				
FTF 29	2/16/2016	TURBIDITY	NA	1.4	NTU				
FTF 22	9/12/2016	TURBIDITY	NA	1.3	NTU				
FTF 23	2/16/2016	TURBIDITY	NA	1.3	NTU				
FBG001C	2/17/2016	TURBIDITY	NA	0.9	NTU				
FTF 22	2/16/2016	TURBIDITY	NA	0.9	NTU				

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 19	9/12/2016	TURBIDITY	NA	0.4	NTU				
FTF009R	2/17/2016	TURBIDITY	NA	0.4	NTU				
FTF030	9/13/2016	TURBIDITY	NA	0.4	NTU				
FTF031	2/17/2016	TURBIDITY	NA	0.4	NTU				
FTF031	9/13/2016	TURBIDITY	NA	0.4	NTU				
FTF 19	2/16/2016	TURBIDITY	NA	0.3	NTU				
FTF 20	9/12/2016	TURBIDITY	NA	0.3	NTU				
FTF 23	9/12/2016	TURBIDITY	NA	0.3	NTU				
FTF009R	9/13/2016	TURBIDITY	NA	0.3	NTU				
FTF030	2/16/2016	TURBIDITY	NA	0.3	NTU				
FTF 28	2/16/2016	TURBIDITY	NA	0.2	NTU				
FTF 28	5/3/2016	TURBIDITY	NA	0.1	NTU				
FTF 28	9/13/2016	TURBIDITY	NA	0.1	NTU				
FBG001D	2/17/2016	TURBIDITY	NA		NTU				
FBG001D	9/13/2016	TURBIDITY	NA		NTU				
FTF012R	2/17/2016	URANIUM-233/234	10	0.287	pCi/L	U	U	0.127	0.465
FTF012R	2/17/2016	URANIUM-233/234	10	0.105	pCi/L	U	U	0.219	0.513
FTF012R	9/13/2016	URANIUM-233/234	10	0.0986	pCi/L	U	U	0.0821	0.261
FTF 28	5/3/2016	URANIUM-233/234	10	0.0281	pCi/L	U	U	0.151	0.284
FTF012R	9/13/2016	URANIUM-233/234	10	-0.00347	pCi/L	U	U	0.182	0.343
FTF012R	2/17/2016	URANIUM-235	0.5	0.0929	pCi/L	U	U	0.173	0.427
FTF012R	9/13/2016	URANIUM-235	0.5	0.0796	pCi/L	U	U	0.101	0.289
FTF012R	2/17/2016	URANIUM-235	0.5	0.0731	pCi/L	U	U	0.11	0.36
FTF 28	5/3/2016	URANIUM-235	0.5	-0.00692	pCi/L	U	U	0.139	0.167
FTF012R	9/13/2016	URANIUM-235	0.5	-0.0129	pCi/L	U	U	0.149	0.263
FTF012R	9/13/2016	URANIUM-238	10	0.0733	pCi/L	U	U	0.105	0.272
FTF012R	2/17/2016	URANIUM-238	10	0.0577	pCi/L	U	U	0.127	0.31
FTF012R	9/13/2016	URANIUM-238	10	0.0339	pCi/L	U	U	0.161	0.34
FTF012R	2/17/2016	URANIUM-238	10	0.0225	pCi/L	U	U	0.142	0.311
FTF 28	5/3/2016	URANIUM-238	10	0.0224	pCi/L	U	U	0.0607	0.151
FTF 19	9/12/2016	Water Elevation	NA	222	ft msl				
FTF 23	9/12/2016	Water Elevation	NA	221.7	ft msl				
FTF 20	9/12/2016	Water Elevation	NA	221.48	ft msl				
FTF 22	9/12/2016	Water Elevation	NA	221.44	ft msl				
FTF009R	9/13/2016	Water Elevation	NA	221.35	ft msl				
FBG001D	9/13/2016	Water Elevation	NA	221.05	ft msl				
FTF 19	2/16/2016	Water Elevation	NA	220.8	ft msl				
FTF030D	9/13/2016	Water Elevation	NA	220.78	ft msl				
FBG001D	2/17/2016	Water Elevation	NA	220.66	ft msl				
FTF 23	2/16/2016	Water Elevation	NA	220.4	ft msl				
FTF012R	9/13/2016	Water Elevation	NA	220.39	ft msl				
FTF 20	2/16/2016	Water Elevation	NA	220.27	ft msl				
FTF 22	2/16/2016	Water Elevation	NA	220.1	ft msl				
FTF009R	2/17/2016	Water Elevation	NA	220.04	ft msl				
FTF012R	2/17/2016	Water Elevation	NA	220.02	ft msl				
FTF030D	2/17/2016	Water Elevation	NA	219.67	ft msl				
FBG001C	9/12/2016	Water Elevation	NA	218.18	ft msl				
FBG001C	2/17/2016	Water Elevation	NA	217.26	ft msl				
FTF031	9/13/2016	Water Elevation	NA	215.06	ft msl				
FTF030	9/13/2016	Water Elevation	NA	214.6	ft msl				
FTF030	2/16/2016	Water Elevation	NA	214.03	ft msl				
FTF031	2/17/2016	Water Elevation	NA	213.96	ft msl				
FTF 28	9/13/2016	Water Elevation	NA	213.02	ft msl				
FTF 29	2/16/2016	Water Elevation	NA	212.78	ft msl				
FTF 28	5/3/2016	Water Elevation	NA	212.62	ft msl				
FTF 29	9/14/2016	Water Elevation	NA	212.38	ft msl				
FTF 28	2/16/2016	Water Elevation	NA	212.12	ft msl				

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.

[a] Regional Screening Level [b] Preliminary Remediation Goal

ATTACHMENT B

2016 Sample Results for H-Area Tank Farm

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Data Qualification

The qualifiers used when validating analytical data are listed in the following table. Qualifiers are given in order of "usability," i.e., lower ones supercede higher ones as validation functions are applied. Not every qualifier is currently used, but may be used in the future.

USEPA Functional Guideline Qualifiers	
Qualifier	**Description**
[null]	Data not remarked. The detected analyte result is acceptable for use as reported.
J	The detected analyte was positively identified but the result is approximate.
NJ	The detected analyte was only tentatively identified and the result is approximate.
U	The analyte was analyzed for, but not detected. The SQL is valid unless blank contamination is indicated.
UJ	The analyte was analyzed for, but not detected. The SQL is approximate, and may be inaccurate or imprecise.
R	The sample result is rejected as unusable due to serious deficiencies in meeting quality control criteria. The analyte may be present or absent.

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 4D	9/14/2016	AMERICIUM-241	15	0.143	pCi/L	U	U	0.31	0.734
HAA 4D	2/11/2016	AMERICIUM-241	15	0.0225	pCi/L	U	U	0.142	0.296
HAA 4D	9/14/2016	AMERICIUM-241	15	0.00514	pCi/L	U	U	0.112	0.219
HAA 4D	2/11/2016	AMERICIUM-241	15	-0.00391	pCi/L	U	U	0.0781	0.146
HAA 4D	9/14/2016	AMERICIUM-243	15	0.0445	pCi/L	U	U	0.173	0.375
HAA 4D	2/11/2016	AMERICIUM-243	15	-0.00487	pCi/L	U	U	0.0974	0.181
HAA 4D	9/14/2016	AMERICIUM-243	15	-0.0145	pCi/L	U	U	0.123	0.21
HAA 4D	2/11/2016	AMERICIUM-243	15	-0.0346	pCi/L	U	U	0.177	0.288
HAA 1D	**2/4/2016**	**CADMIUM**	**5**	**5.53**	**ug/L**			**0.1**	**1**
HAA021D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA021D	9/22/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA021C	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA021C	9/22/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020D	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA020D	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020C	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA020C	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA019D	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019C	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA019C	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA018D	9/15/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	9/15/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	9/15/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA017D	9/15/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017C	9/15/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA 15D	2/18/2016	CADMIUM	5	1	ug/L	UJ	U	0.1	1
HAA 15D	5/3/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 15D	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15C	2/18/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 15C	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15B	2/18/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 15B	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14D	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 14D	5/2/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 14D	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14C	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14B	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 14B	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13D	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 13D	5/2/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 13D	5/2/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 13D	9/22/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13C	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 13C	9/22/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13B	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 13B	9/22/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12D	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 12D	4/26/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 12D	9/21/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12C	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 12C	9/21/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12B	2/16/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 12B	9/21/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11D	2/18/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 11D	4/26/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 11D	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11C	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 11C	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 11B	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 11B	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 11B	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10D	2/18/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 10D	2/18/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 10D	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10C	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 10C	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10B	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 10B	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 10B	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10B	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9D	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 9D	4/26/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 9D	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9B	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 9B	9/20/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8D	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 8D	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8C	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8C	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 8B	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7D	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 7D	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7C	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7B	2/17/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 7B	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4D	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 4D	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4C	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 4C	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4B	2/11/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 4B	9/14/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2D	2/4/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 2D	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2C	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2C	2/4/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 2B	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1D	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1C	2/4/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 1C	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1A	2/4/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 1A	2/4/2016	CADMIUM	5	1	ug/L	U	U	0.1	1
HAA 1A	9/19/2016	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9C	9/20/2016	CADMIUM	5	0.558	ug/L	J	J	0.3	1
HAA 14C	2/11/2016	CADMIUM	5	0.5	ug/L	U	U	0.1	0.5
HAA 14C	9/14/2016	CADMIUM	5	0.5	ug/L	U	U	0.1	0.5
HAA 8B	2/11/2016	CADMIUM	5	0.5	ug/L	U	U	0.1	0.5
HAA 9C	2/11/2016	CADMIUM	5	0.432	ug/L	J	J	0.1	1
HAA017C	2/18/2016	CADMIUM	5	0.188	ug/L	J	J	0.1	1
HAA 7C	2/17/2016	CADMIUM	5	0.161	ug/L	J	J	0.1	1
HAA 8B	9/19/2016	CADMIUM	5	0.14	ug/L	J	J	0.1	0.5
HAA 14C	2/11/2016	CADMIUM	5	0.122	ug/L	J	J	0.1	1
HAA018C	2/18/2016	CADMIUM	5	0.12	ug/L	J	J	0.1	1
HAA018C	2/18/2016	CADMIUM	5	0.111	ug/L	J	J	0.1	1
HAA 2B	2/4/2016	CADMIUM	5	0.109	ug/L	J	J	0.1	1
HAA 8B	2/11/2016	CADMIUM	5	0.106	ug/L	J	J	0.1	1
HAA021C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA020D	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA020C	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA019C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA018D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA018C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA018C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA017D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA017C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 15D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 15D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 15C	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 14D	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 14C	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 14B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 13D	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 13C	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 13B	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 12D	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 12C	2/16/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 11D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 11C	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 11B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 11B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 10D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 10D	2/18/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 10C	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 10B	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 10B	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 9D	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 9C	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 9B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 8D	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 8C	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 8B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 7D	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 7B	2/17/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 4D	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 4C	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 4B	2/11/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 2D	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 2C	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 2B	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 1D	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 1C	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 1A	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 1A	2/4/2016	CHROMIUM	100	100	ug/L	U	U	10	100
HAA 13D	9/22/2016	CHROMIUM	100	15.8	ug/L			3	10
HAA021D	9/22/2016	CHROMIUM	100	12.6	ug/L			3	10
HAA 12C	9/21/2016	CHROMIUM	100	11.8	ug/L			3	10
HAA 7C	9/19/2016	CHROMIUM	100	11.8	ug/L			3	10
HAA 13C	9/22/2016	CHROMIUM	100	11.2	ug/L			3	10
HAA 15B	2/18/2016	CHROMIUM	100	11.1	ug/L	J	J	10	100
HAA019D	2/18/2016	CHROMIUM	100	11	ug/L	J	J	10	100
HAA021D	2/18/2016	CHROMIUM	100	10.9	ug/L	J	J	10	100
HAA 7C	2/17/2016	CHROMIUM	100	10.8	ug/L	J	J	10	100
HAA 12B	2/16/2016	CHROMIUM	100	10.6	ug/L	J	J	10	100
HAA021C	9/22/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15D	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15C	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15B	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 14D	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 4D	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 4B	9/14/2016	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 10C	9/20/2016	CHROMIUM	100	9.34	ug/L	J	J	3	10
HAA 14C	2/11/2016	CHROMIUM	100	9.2	ug/L	J	J	1	10
HAA 12B	9/21/2016	CHROMIUM	100	8.75	ug/L	J	J	3	10

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 2B	9/19/2016	CHROMIUM	100	8.36	ug/L	J	J	3	10
HAA 9C	9/20/2016	CHROMIUM	100	8.26	ug/L	J	J	3	10
HAA 11C	9/20/2016	CHROMIUM	100	8.19	ug/L	J	J	3	10
HAA 10B	9/20/2016	CHROMIUM	100	7.95	ug/L	J	J	3	10
HAA 7B	9/19/2016	CHROMIUM	100	7.47	ug/L	J	J	3	10
HAA018C	9/15/2016	CHROMIUM	100	7.45	ug/L	J	J	3	10
HAA 10B	9/20/2016	CHROMIUM	100	7.34	ug/L	J	J	3	10
HAA020D	9/19/2016	CHROMIUM	100	7.31	ug/L	J	J	3	10
HAA 8B	9/19/2016	CHROMIUM	100	6.99	ug/L	J	J	3	10
HAA 9B	9/20/2016	CHROMIUM	100	6.94	ug/L	J	J	3	10
HAA020C	9/19/2016	CHROMIUM	100	6.8	ug/L	J	J	3	10
HAA 14C	9/14/2016	CHROMIUM	100	6.71	ug/L	J	J	3	10
HAA018C	9/15/2016	CHROMIUM	100	6.62	ug/L	J	J	3	10
HAA 14C	9/14/2016	CHROMIUM	100	6.6	ug/L	J	J	1	10
HAA 13B	9/22/2016	CHROMIUM	100	6.51	ug/L	J	J	3	10
HAA 11B	9/20/2016	CHROMIUM	100	6.46	ug/L	J	J	3	10
HAA 2C	9/19/2016	CHROMIUM	100	6.37	ug/L	J	J	3	10
HAA 8B	2/11/2016	CHROMIUM	100	5.8	ug/L	J	J	1	10
HAA 12D	9/21/2016	CHROMIUM	100	5.71	ug/L	J	J	3	10
HAA 1D	9/19/2016	CHROMIUM	100	5.66	ug/L	J	J	3	10
HAA 2D	9/19/2016	CHROMIUM	100	5.6	ug/L	J	J	3	10
HAA019D	9/14/2016	CHROMIUM	100	5.52	ug/L	J	J	3	10
HAA017D	9/15/2016	CHROMIUM	100	5.15	ug/L	J	J	3	10
HAA 4C	9/14/2016	CHROMIUM	100	5.14	ug/L	J	J	3	10
HAA 7D	9/19/2016	CHROMIUM	100	5.12	ug/L	J	J	3	10
HAA 11D	9/20/2016	CHROMIUM	100	4.94	ug/L	J	J	3	10
HAA 1A	9/19/2016	CHROMIUM	100	4.94	ug/L	J	J	3	10
HAA 10D	9/20/2016	CHROMIUM	100	4.91	ug/L	J	J	3	10
HAA 8C	9/19/2016	CHROMIUM	100	4.72	ug/L	J	J	3	10
HAA017C	9/15/2016	CHROMIUM	100	4.53	ug/L	J	J	3	10
HAA 8D	9/19/2016	CHROMIUM	100	4.4	ug/L	J	J	3	10
HAA 14B	9/14/2016	CHROMIUM	100	4.38	ug/L	J	J	3	10
HAA 9D	9/20/2016	CHROMIUM	100	4.26	ug/L	J	J	3	10
HAA 1C	9/19/2016	CHROMIUM	100	4	ug/L	J	J	3	10
HAA018D	9/15/2016	CHROMIUM	100	3.72	ug/L	J	J	3	10
HAA019C	9/14/2016	CHROMIUM	100	3.46	ug/L	J	J	3	10
HAA 8B	9/19/2016	CHROMIUM	100	3	ug/L	J	J	1	10
HAA 4D	9/14/2016	CURIUM-242	15	0.0227	pCi/L	U	U	0.068	0.195
HAA 4D	2/11/2016	CURIUM-242	15	0	pCi/L	U	U	0.0651	0.153
HAA 4D	2/11/2016	CURIUM-242	15	0	pCi/L	U	U	0.0769	0.18
HAA 4D	9/14/2016	CURIUM-242	15	0	pCi/L	U	U	0.0836	0.196
HAA 4D	9/14/2016	CURIUM-243/244	15	0.128	pCi/L	U	U	0.223	0.593
HAA 4D	2/11/2016	CURIUM-243/244	15	0.0486	pCi/L	U	U	0.13	0.302
HAA 4D	2/11/2016	CURIUM-243/244	15	0.0122	pCi/L	U	U	0.0771	0.169
HAA 4D	9/14/2016	CURIUM-243/244	15	0	pCi/L	U	U	0.0544	0.127
HAA 4D	2/11/2016	CURIUM-245/246	15	0.0279	pCi/L	U	U	0.0836	0.24
HAA 4D	2/11/2016	CURIUM-245/246	15	0	pCi/L	U	U	0.0708	0.166
HAA 4D	9/14/2016	CURIUM-245/246	15	0	pCi/L	U	U	0.0861	0.202
HAA 4D	9/14/2016	CURIUM-245/246	15	0	pCi/L	U	U	0.07	0.164
HAA 4D	2/11/2016	GROSS ALPHA	15	9.79	pCi/L			2.78	9.08
HAA 4D	9/14/2016	GROSS ALPHA	15	6.47	pCi/L	J	J	2.93	8.35
HAA 7C	2/17/2016	GROSS ALPHA	15	5.42	pCi/L	J	J	2.77	7.87
HAA019D	2/18/2016	GROSS ALPHA	15	3.27	pCi/L	J	J	2.27	5.97
HAA 2D	2/4/2016	GROSS ALPHA	15	3.11	pCi/L	J	J	1.96	5.2
HAA 14D	9/14/2016	GROSS ALPHA	15	2.76	pCi/L	J	J	2.21	6.63
HAA 1A	2/4/2016	GROSS ALPHA	15	2.72	pCi/L	U	U	2.96	6.9
HAA 7D	9/19/2016	GROSS ALPHA	15	2.41	pCi/L	J	J	2.24	6.43
HAA 2C	9/19/2016	GROSS ALPHA	15	2.39	pCi/L	J	J	2.2	6.35
HAA 13D	5/2/2016	GROSS ALPHA	15	2.28	pCi/L	J	J	2.27	6.34
HAA 1C	9/19/2016	GROSS ALPHA	15	2.06	pCi/L	U	U	2.26	6.22
HAA 8B	9/19/2016	GROSS ALPHA	15	2.02	pCi/L	U	U	2.22	6.11
HAA 14D	5/2/2016	GROSS ALPHA	15	1.88	pCi/L	U	U	2.25	5.98

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 11D	4/26/2016	GROSS ALPHA	15	1.87	pCi/L	U	U	2.23	5.96
HAA 12B	9/21/2016	GROSS ALPHA	15	1.71	pCi/L	U	U	2.14	5.86
HAA021D	2/18/2016	GROSS ALPHA	15	1.69	pCi/L	U	U	2.21	5.25
HAA 10D	9/20/2016	GROSS ALPHA	15	1.69	pCi/L	U	U	2.11	5.79
HAA 9C	9/20/2016	GROSS ALPHA	15	1.65	pCi/L	U	U	2.07	5.67
HAA 7D	2/17/2016	GROSS ALPHA	15	1.64	pCi/L	U	U	2.43	5.49
HAA 7C	9/19/2016	GROSS ALPHA	15	1.63	pCi/L	U	U	2.24	5.82
HAA 2D	2/4/2016	GROSS ALPHA	15	1.57	pCi/L	U	U	2.29	5.33
HAA 13D	5/2/2016	GROSS ALPHA	15	1.55	pCi/L	U	U	2.32	5.85
HAA 15D	5/3/2016	GROSS ALPHA	15	1.52	pCi/L	U	U	2.28	5.74
HAA 13D	2/16/2016	GROSS ALPHA	15	1.36	pCi/L	U	U	1.8	4.1
HAA 15B	9/14/2016	GROSS ALPHA	15	1.28	pCi/L	U	U	2.08	5.36
HAA 13C	9/22/2016	GROSS ALPHA	15	1.28	pCi/L	U	U	2.08	5.36
HAA 15D	9/14/2016	GROSS ALPHA	15	1.26	pCi/L	U	U	2.05	5.29
HAA 15C	9/14/2016	GROSS ALPHA	15	1.26	pCi/L	U	U	2.05	5.28
HAA 10C	9/20/2016	GROSS ALPHA	15	1.26	pCi/L	U	U	2.05	5.29
HAA 12D	4/26/2016	GROSS ALPHA	15	1.13	pCi/L	U	U	2.25	5.32
HAA 2B	2/4/2016	GROSS ALPHA	15	1.11	pCi/L	U	U	2.98	6.38
HAA 15D	2/18/2016	GROSS ALPHA	15	1.1	pCi/L	U	U	2.45	5.35
HAA 14D	2/11/2016	GROSS ALPHA	15	1.06	pCi/L	U	U	1.95	4.31
HAA 14B	2/11/2016	GROSS ALPHA	15	1.06	pCi/L	U	U	2.34	5.08
HAA 11D	2/18/2016	GROSS ALPHA	15	1.03	pCi/L	U	U	2.7	5.78
HAA 9B	9/20/2016	GROSS ALPHA	15	0.958	pCi/L	U	U	2.23	5.34
HAA 9B	9/20/2016	GROSS ALPHA	15	0.948	pCi/L	U	U	2.21	5.28
HAA 10B	9/20/2016	GROSS ALPHA	15	0.94	pCi/L	U	U	2.18	5.23
HAA 14B	9/14/2016	GROSS ALPHA	15	0.927	pCi/L	U	U	2.42	5.46
HAA 12B	9/21/2016	GROSS ALPHA	15	0.911	pCi/L	U	U	2.13	5.09
HAA 15B	9/14/2016	GROSS ALPHA	15	0.892	pCi/L	U	U	2.08	4.97
HAA018C	9/15/2016	GROSS ALPHA	15	0.888	pCi/L	U	U	2.07	4.95
HAA018C	9/15/2016	GROSS ALPHA	15	0.879	pCi/L	U	U	2.05	4.9
HAA017D	9/15/2016	GROSS ALPHA	15	0.879	pCi/L	U	U	2.05	4.9
HAA 4B	9/14/2016	GROSS ALPHA	15	0.876	pCi/L	U	U	2.33	5.24
HAA 1C	9/19/2016	GROSS ALPHA	15	0.865	pCi/L	U	U	2.28	5.12
HAA 2D	9/19/2016	GROSS ALPHA	15	0.837	pCi/L	U	U	2.19	4.94
HAA021C	2/18/2016	GROSS ALPHA	15	0.815	pCi/L	U	U	2.62	5.52
HAA 11C	2/11/2016	GROSS ALPHA	15	0.722	pCi/L	U	U	2.36	4.94
HAA 11B	2/11/2016	GROSS ALPHA	15	0.708	pCi/L	U	U	2.76	5.68
HAA 14C	2/11/2016	GROSS ALPHA	15	0.687	pCi/L	U	U	0.983	2.259
HAA 11B	2/11/2016	GROSS ALPHA	15	0.676	pCi/L	U	U	2.14	4.5
HAA 13B	2/16/2016	GROSS ALPHA	15	0.673	pCi/L	U	U	2.88	6.04
HAA 14C	9/14/2016	GROSS ALPHA	15	0.67	pCi/L	U	U	1.23	2.742
HAA020C	2/16/2016	GROSS ALPHA	15	0.649	pCi/L	U	U	2.5	5.22
HAA017D	2/18/2016	GROSS ALPHA	15	0.647	pCi/L	U	U	2.34	4.84
HAA 8B	2/11/2016	GROSS ALPHA	15	0.602	pCi/L	U	U	0.914	2.084
HAA 7B	2/17/2016	GROSS ALPHA	15	0.581	pCi/L	U	U	2.75	5.63
HAA 13B	9/22/2016	GROSS ALPHA	15	0.533	pCi/L	U	U	2.18	4.75
HAA019C	9/14/2016	GROSS ALPHA	15	0.513	pCi/L	U	U	2.1	4.57
HAA019D	9/14/2016	GROSS ALPHA	15	0.508	pCi/L	U	U	2.07	4.52
HAA017C	9/15/2016	GROSS ALPHA	15	0.507	pCi/L	U	U	2.07	4.52
HAA021C	9/22/2016	GROSS ALPHA	15	0.498	pCi/L	U	U	2.03	4.44
HAA 2B	9/19/2016	GROSS ALPHA	15	0.469	pCi/L	U	U	2.29	4.66
HAA 8C	9/19/2016	GROSS ALPHA	15	0.458	pCi/L	U	U	2.24	4.56
HAA 8D	9/19/2016	GROSS ALPHA	15	0.456	pCi/L	U	U	2.21	4.52
HAA020D	9/19/2016	GROSS ALPHA	15	0.454	pCi/L	U	U	2.21	4.51
HAA 1D	9/19/2016	GROSS ALPHA	15	0.452	pCi/L	U	U	2.21	4.5
HAA 8D	2/11/2016	GROSS ALPHA	15	0.438	pCi/L	U	U	2.45	5.03
HAA 8B	9/19/2016	GROSS ALPHA	15	0.382	pCi/L	U	U	0.908	1.98
HAA 8C	2/11/2016	GROSS ALPHA	15	0.303	pCi/L	U	U	2.28	4.54
HAA 1D	2/4/2016	GROSS ALPHA	15	0.286	pCi/L	U	U	3	6.18
HAA 2C	2/4/2016	GROSS ALPHA	15	0.283	pCi/L	U	U	1.62	3.25
HAA 1C	2/4/2016	GROSS ALPHA	15	0.28	pCi/L	U	U	1.96	3.95
HAA 8B	2/11/2016	GROSS ALPHA	15	0.2656	pCi/L	U	U	0.771	1.651

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 12B	2/16/2016	GROSS ALPHA	15	0.187	pCi/L	U	U	2.09	4.23
HAA 14C	2/11/2016	GROSS ALPHA	15	0.138	pCi/L	U	U	1.93	3.87
HAA 1A	9/19/2016	GROSS ALPHA	15	0.131	pCi/L	U	U	2.19	4.22
HAA018D	9/15/2016	GROSS ALPHA	15	0.123	pCi/L	U	U	2.04	3.93
HAA 9D	9/20/2016	GROSS ALPHA	15	0.123	pCi/L	U	U	2.05	3.94
HAA 12D	9/21/2016	GROSS ALPHA	15	0.122	pCi/L	U	U	2.03	3.91
HAA021D	9/22/2016	GROSS ALPHA	15	0.121	pCi/L	U	U	2.03	3.91
HAA 4C	9/14/2016	GROSS ALPHA	15	0.0693	pCi/L	U	U	2.29	4.05
HAA 7B	9/19/2016	GROSS ALPHA	15	0.0676	pCi/L	U	U	2.3	4.06
HAA020D	2/16/2016	GROSS ALPHA	15	0.0326	pCi/L	U	U	2.76	5.36
HAA 12D	2/16/2016	GROSS ALPHA	15	0.0314	pCi/L	U	U	2.62	5.12
HAA 10B	2/17/2016	GROSS ALPHA	15	0.025	pCi/L	U	U	2.88	5.42
HAA 9D	4/26/2016	GROSS ALPHA	15	0.00242	pCi/L	U	U	2.26	3.9
HAA 15B	2/18/2016	GROSS ALPHA	15	-0.00629	pCi/L	U	U	2.33	4.43
HAA 9D	2/11/2016	GROSS ALPHA	15	-0.0378	pCi/L	U	U	2.12	4.26
HAA 10B	2/17/2016	GROSS ALPHA	15	-0.108	pCi/L	U	U	2.51	4.81
HAA 4B	2/11/2016	GROSS ALPHA	15	-0.136	pCi/L	U	U	2.49	4.73
HAA 15C	2/18/2016	GROSS ALPHA	15	-0.144	pCi/L	U	U	2.21	4.01
HAA 9B	2/11/2016	GROSS ALPHA	15	-0.151	pCi/L	U	U	2.93	5.61
HAA 4C	2/11/2016	GROSS ALPHA	15	-0.151	pCi/L	U	U	2.76	5.34
HAA021D	2/18/2016	GROSS ALPHA	15	-0.197	pCi/L	U	U	2.46	4.56
HAA 13D	9/22/2016	GROSS ALPHA	15	-0.254	pCi/L	U	U	2.03	3.16
HAA 11D	9/20/2016	GROSS ALPHA	15	-0.254	pCi/L	U	U	2.04	3.16
HAA 11C	9/20/2016	GROSS ALPHA	15	-0.258	pCi/L	U	U	2.06	3.2
HAA 12C	9/21/2016	GROSS ALPHA	15	-0.259	pCi/L	U	U	2.06	3.2
HAA 11B	9/20/2016	GROSS ALPHA	15	-0.269	pCi/L	U	U	2.15	3.34
HAA 10B	9/20/2016	GROSS ALPHA	15	-0.273	pCi/L	U	U	2.18	3.39
HAA 8B	2/11/2016	GROSS ALPHA	15	-0.282	pCi/L	U	U	2.09	4.04
HAA020C	9/19/2016	GROSS ALPHA	15	-0.327	pCi/L	U	U	2.24	2.92
HAA 14C	9/14/2016	GROSS ALPHA	15	-0.333	pCi/L	U	U	2.3	2.99
HAA018D	2/18/2016	GROSS ALPHA	15	-0.601	pCi/L	U	U	2.32	4.42
HAA 9C	2/11/2016	GROSS ALPHA	15	-0.626	pCi/L	U	U	2.57	4.81
HAA019C	2/18/2016	GROSS ALPHA	15	-0.658	pCi/L	U	U	2.66	4.51
HAA 10D	2/18/2016	GROSS ALPHA	15	-0.671	pCi/L	U	U	2.46	4.25
HAA 10C	2/17/2016	GROSS ALPHA	15	-0.765	pCi/L	U	U	2.85	5.41
HAA 13C	2/16/2016	GROSS ALPHA	15	-0.813	pCi/L	U	U	1.93	3.41
HAA018C	2/18/2016	GROSS ALPHA	15	-0.887	pCi/L	U	U	2.34	3.72
HAA018C	2/18/2016	GROSS ALPHA	15	-0.96	pCi/L	U	U	2.59	4.42
HAA017C	2/18/2016	GROSS ALPHA	15	-1.13	pCi/L	U	U	2.7	4.51
HAA 12C	2/16/2016	GROSS ALPHA	15	-1.37	pCi/L	U	U	2.47	4.49
HAA 10D	9/20/2016	MANGANESE	430[a]	358	ug/L			1	5
HAA 10D	2/18/2016	MANGANESE	430[a]	348	ug/L			1	10
HAA 10D	2/18/2016	MANGANESE	430[a]	345	ug/L			1	10
HAA017C	9/15/2016	MANGANESE	430[a]	279	ug/L			1	5
HAA018D	2/18/2016	MANGANESE	430[a]	256	ug/L			1	10
HAA017C	2/18/2016	MANGANESE	430[a]	243	ug/L			1	10
HAA019D	9/14/2016	MANGANESE	430[a]	221	ug/L			1	5
HAA018D	9/15/2016	MANGANESE	430[a]	202	ug/L			1	5
HAA019D	2/18/2016	MANGANESE	430[a]	200	ug/L			1	10
HAA 15C	9/14/2016	MANGANESE	430[a]	96.1	ug/L			1	5
HAA 7C	2/17/2016	MANGANESE	430[a]	92.3	ug/L			1	10
HAA017D	2/18/2016	MANGANESE	430[a]	42	ug/L			1	10
HAA 8C	9/19/2016	MANGANESE	430[a]	38.5	ug/L			1	5
HAA017D	9/15/2016	MANGANESE	430[a]	36.9	ug/L			1	5
HAA 8C	2/11/2016	MANGANESE	430[a]	31.9	ug/L			1	10
HAA 4D	9/14/2016	MANGANESE	430[a]	31.9	ug/L			1	5
HAA021D	2/18/2016	MANGANESE	430[a]	30.8	ug/L			1	10
HAA 1C	9/19/2016	MANGANESE	430[a]	28.6	ug/L			1	5
HAA021D	9/22/2016	MANGANESE	430[a]	26.8	ug/L			1	5
HAA 1C	2/4/2016	MANGANESE	430[a]	25.3	ug/L			1	10
HAA 2C	2/4/2016	MANGANESE	430[a]	24.5	ug/L			1	10
HAA 8D	2/11/2016	MANGANESE	430[a]	24.2	ug/L			1	10

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 4D	2/11/2016	MANGANESE	430[a]	23.6	ug/L			1	10
HAA 2C	9/19/2016	MANGANESE	430[a]	21.2	ug/L			1	5
HAA 8D	9/19/2016	MANGANESE	430[a]	19.9	ug/L			1	5
HAA021C	9/22/2016	MANGANESE	430[a]	17.7	ug/L			1	5
HAA021C	2/18/2016	MANGANESE	430[a]	16.6	ug/L			1	10
HAA 12C	9/21/2016	MANGANESE	430[a]	15.2	ug/L			1	5
HAA 7C	9/19/2016	MANGANESE	430[a]	14.4	ug/L			1	5
HAA 10C	9/20/2016	MANGANESE	430[a]	11.9	ug/L			1	5
HAA 12C	2/16/2016	MANGANESE	430[a]	11.5	ug/L			1	10
HAA019C	2/18/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 15D	2/18/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 15D	2/18/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 14C	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 14B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 13C	2/16/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 13B	2/16/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 11B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 11B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 11B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 10B	2/17/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 10B	2/17/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 9B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 4C	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 4B	2/11/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 1A	2/4/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA 1A	2/4/2016	MANGANESE	430[a]	10	ug/L	U	U	1	10
HAA018C	9/15/2016	MANGANESE	430[a]	9.69	ug/L			1	5
HAA018C	9/15/2016	MANGANESE	430[a]	8.93	ug/L			1	5
HAA 1D	2/4/2016	MANGANESE	430[a]	7.34	ug/L	J	J	1	10
HAA 1D	9/19/2016	MANGANESE	430[a]	7.25	ug/L			1	5
HAA018C	2/18/2016	MANGANESE	430[a]	7.18	ug/L	J	J	1	10
HAA018C	2/18/2016	MANGANESE	430[a]	7.14	ug/L	J	J	1	10
HAA020C	9/19/2016	MANGANESE	430[a]	5.88	ug/L			1	5
HAA 9C	9/20/2016	MANGANESE	430[a]	5.85	ug/L			1	5
HAA 13D	9/22/2016	MANGANESE	430[a]	5.26	ug/L			1	5
HAA020C	2/16/2016	MANGANESE	430[a]	5.12	ug/L	J	J	1	10
HAA019C	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 15B	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 14C	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 14B	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 13B	9/22/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 11B	9/20/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 10B	9/20/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 10B	9/20/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 9B	9/20/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4C	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4B	9/14/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 2B	9/19/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 1A	9/19/2016	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 10C	2/17/2016	MANGANESE	430[a]	4.9	ug/L	J	J	1	10
HAA 9C	2/11/2016	MANGANESE	430[a]	4.67	ug/L	J	J	1	10
HAA 2D	9/19/2016	MANGANESE	430[a]	4.35	ug/L	J	J	1	5
HAA020D	2/16/2016	MANGANESE	430[a]	4.34	ug/L	J	J	1	10
HAA 7B	2/17/2016	MANGANESE	430[a]	4.34	ug/L	J	J	1	10
HAA 15C	2/18/2016	MANGANESE	430[a]	4.06	ug/L	J	J	1	10
HAA 13D	2/16/2016	MANGANESE	430[a]	3.96	ug/L	J	J	1	10
HAA020D	9/19/2016	MANGANESE	430[a]	3.94	ug/L	J	J	1	5
HAA 8B	2/11/2016	MANGANESE	430[a]	3.94	ug/L	J	J	1	10
HAA 9D	9/20/2016	MANGANESE	430[a]	3.83	ug/L	J	J	1	5
HAA 7D	9/19/2016	MANGANESE	430[a]	3.8	ug/L	J	J	1	5
HAA 9D	2/11/2016	MANGANESE	430[a]	3.61	ug/L	J	J	1	10
HAA 8B	2/11/2016	MANGANESE	430[a]	3.3	ug/L			0.88	2
HAA 2D	2/4/2016	MANGANESE	430[a]	3.17	ug/L	J	J	1	10

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 8B	9/19/2016	MANGANESE	430[a]	3	ug/L			0.88	2
HAA 8B	9/19/2016	MANGANESE	430[a]	2.9	ug/L	J	J	1	5
HAA 7D	2/17/2016	MANGANESE	430[a]	2.72	ug/L	J	J	1	10
HAA 11D	9/20/2016	MANGANESE	430[a]	2.66	ug/L	J	J	1	5
HAA 14D	9/14/2016	MANGANESE	430[a]	2.47	ug/L	J	J	1	5
HAA 15B	2/18/2016	MANGANESE	430[a]	2.41	ug/L	J	J	1	10
HAA 7B	9/19/2016	MANGANESE	430[a]	2.31	ug/L	J	J	1	5
HAA 11D	2/18/2016	MANGANESE	430[a]	2.13	ug/L	J	J	1	10
HAA 14C	2/11/2016	MANGANESE	430[a]	2	ug/L	U	U	0.88	2
HAA 14C	9/14/2016	MANGANESE	430[a]	2	ug/L	U	U	0.88	2
HAA 14D	2/11/2016	MANGANESE	430[a]	1.92	ug/L	J	J	1	10
HAA 11C	2/11/2016	MANGANESE	430[a]	1.83	ug/L	J	J	1	10
HAA 11C	9/20/2016	MANGANESE	430[a]	1.65	ug/L	J	J	1	5
HAA 12D	9/21/2016	MANGANESE	430[a]	1.6	ug/L	J	J	1	5
HAA 12B	2/16/2016	MANGANESE	430[a]	1.42	ug/L	J	J	1	10
HAA 15D	9/14/2016	MANGANESE	430[a]	1.23	ug/L	J	J	1	5
HAA 2B	2/4/2016	MANGANESE	430[a]	1.17	ug/L	J	J	1	10
HAA 12D	2/16/2016	MANGANESE	430[a]	1.12	ug/L	J	J	1	10
HAA 13C	9/22/2016	MANGANESE	430[a]	1.07	ug/L	J	J	1	5
HAA 12B	9/21/2016	MANGANESE	430[a]	1.01	ug/L	J	J	1	5
HAA 4D	9/14/2016	NEPTUNIUM-237	15	0.0257	pCi/L	U	U	0.56	1.1
HAA 4D	9/14/2016	NEPTUNIUM-237	15	0.00442	pCi/L	U	U	0.728	1.38
HAA 4D	2/11/2016	NEPTUNIUM-237	15	-0.013	pCi/L	U	U	0.457	0.849
HAA 4D	2/11/2016	NEPTUNIUM-237	15	-0.127	pCi/L	U	U	0.633	1.11
HAA 4D	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	7.96	mg/L			0.17	0.5
HAA 4D	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	6.8	mg/L			0.17	0.5
HAA 12C	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	4.61	mg/L			0.085	0.25
HAA 12C	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	4.54	mg/L			0.085	0.25
HAA 12C	9/21/2016	NITRATE-NITRITE AS NITROGEN	10	3.63	mg/L	J	J	0.085	0.25
HAA 11D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	2.91	mg/L			0.085	0.25
HAA 13D	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.9	mg/L			0.085	0.25
HAA 12D	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	2.72	mg/L			0.085	0.25
HAA 8C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	2.66	mg/L			0.085	0.25
HAA 11D	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	2.54	mg/L	J	J	0.085	0.25
HAA021D	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	2.48	mg/L			0.085	0.25
HAA021D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	2.34	mg/L			0.085	0.25
HAA 4B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	2.28	mg/L			0.085	0.25
HAA 12D	9/21/2016	NITRATE-NITRITE AS NITROGEN	10	2.23	mg/L	J	J	0.085	0.25
HAA 13D	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	2.22	mg/L			0.085	0.25
HAA 15D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	2.11	mg/L			0.085	0.25
HAA 10C	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	2.08	mg/L			0.085	0.25
HAA 10C	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	1.97	mg/L	J	J	0.085	0.25
HAA 9C	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	1.95	mg/L	J	J	0.085	0.25
HAA 9C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	1.94	mg/L			0.085	0.25
HAA 8C	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	1.87	mg/L			0.085	0.25
HAA019D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.78	mg/L			0.085	0.25
HAA019D	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.77	mg/L	J	J	0.085	0.25
HAA018D	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	1.77	mg/L			0.085	0.25
HAA 15D	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.77	mg/L			0.085	0.25
HAA 4B	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.76	mg/L			0.085	0.25
HAA018D	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	1.72	mg/L			0.085	0.25
HAA017D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.71	mg/L			0.085	0.25
HAA018D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.64	mg/L			0.085	0.25
HAA020D	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	1.56	mg/L			0.085	0.25
HAA020D	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	1.54	mg/L			0.085	0.25
HAA 15B	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.51	mg/L			0.085	0.25
HAA 9D	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	1.46	mg/L			0.085	0.25
HAA021C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.34	mg/L			0.085	0.25
HAA 15C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	1.33	mg/L			0.085	0.25
HAA 15C	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.32	mg/L			0.085	0.25
HAA 9D	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	1.31	mg/L	J	J	0.017	0.05
HAA 7D	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	1.3	mg/L			0.017	0.05

Bold indicates result exceeds the MCL/RSL/PRG, results qualified with a "U" are not bolded because the analyte was not detected.
a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 8D	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	1.29	mg/L			0.017	0.05
HAA 1D	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	1.29	mg/L			0.085	0.25
HAA017D	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	1.27	mg/L			0.085	0.25
HAA 15B	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.25	mg/L			0.085	0.25
HAA 14D	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	1.14	mg/L			0.017	0.05
HAA 7D	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	1.12	mg/L			0.017	0.05
HAA021C	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	1.08	mg/L			0.017	0.05
HAA021C	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	1.07	mg/L			0.017	0.05
HAA 11C	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	1.05	mg/L	J	J	0.017	0.05
HAA 11C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	1.05	mg/L			0.017	0.05
HAA 10B	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	1.03	mg/L			0.017	0.05
HAA 8D	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	1.03	mg/L			0.017	0.05
HAA 14D	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	1.01	mg/L	J	J	0.085	0.25
HAA 10B	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	1	mg/L			0.017	0.05
HAA 14D	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.985	mg/L	J	J	0.085	0.25
HAA 11B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.898	mg/L			0.017	0.05
HAA 11B	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.847	mg/L	J	J	0.017	0.05
HAA 10B	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.835	mg/L	J	J	0.017	0.05
HAA 10B	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.835	mg/L	J	J	0.017	0.05
HAA019C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.802	mg/L			0.017	0.05
HAA020C	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	0.761	mg/L			0.017	0.05
HAA020C	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.704	mg/L			0.017	0.05
HAA019C	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.698	mg/L	J	J	0.017	0.05
HAA 2D	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.641	mg/L			0.017	0.05
HAA 2D	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.589	mg/L			0.017	0.05
HAA 2C	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.546	mg/L			0.017	0.05
HAA 2C	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.503	mg/L			0.017	0.05
HAA 10D	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.498	mg/L	J	J	0.017	0.05
HAA 13B	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	0.484	mg/L			0.017	0.05
HAA 14C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.44	mg/L			0.0047	0.05
HAA 10D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.406	mg/L			0.017	0.05
HAA 10D	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.403	mg/L			0.017	0.05
HAA 4C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.373	mg/L			0.017	0.05
HAA 14C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.372	mg/L			0.017	0.05
HAA 4C	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.372	mg/L			0.017	0.05
HAA 13B	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	0.367	mg/L			0.017	0.05
HAA 4C	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.365	mg/L			0.017	0.05
HAA 14C	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.36	mg/L			0.011	0.05
HAA 13C	9/22/2016	NITRATE-NITRITE AS NITROGEN	10	0.336	mg/L			0.017	0.05
HAA 13C	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	0.335	mg/L			0.017	0.05
HAA 14C	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.333	mg/L	J	J	0.017	0.05
HAA 1D	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.31	mg/L			0.017	0.05
HAA 14B	9/14/2016	NITRATE-NITRITE AS NITROGEN	10	0.167	mg/L	J	J	0.017	0.05
HAA 14B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.165	mg/L			0.017	0.05
HAA 12B	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	0.16	mg/L			0.017	0.05
HAA 7C	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	0.158	mg/L			0.017	0.05
HAA 12B	2/16/2016	NITRATE-NITRITE AS NITROGEN	10	0.157	mg/L			0.017	0.05
HAA 7C	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	0.157	mg/L			0.017	0.05
HAA 2B	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.149	mg/L			0.017	0.05
HAA017C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.139	mg/L			0.017	0.05
HAA 2B	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.129	mg/L			0.017	0.05
HAA 9B	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.126	mg/L	J	J	0.017	0.05
HAA 9B	9/20/2016	NITRATE-NITRITE AS NITROGEN	10	0.125	mg/L	J	J	0.017	0.05
HAA 9B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.121	mg/L			0.017	0.05
HAA017C	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	0.117	mg/L			0.017	0.05
HAA017C	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	0.116	mg/L			0.017	0.05
HAA 12B	9/21/2016	NITRATE-NITRITE AS NITROGEN	10	0.113	mg/L	J	J	0.017	0.05
HAA018C	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	0.108	mg/L			0.017	0.05
HAA018C	9/15/2016	NITRATE-NITRITE AS NITROGEN	10	0.106	mg/L			0.017	0.05
HAA018C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.102	mg/L			0.017	0.05
HAA018C	2/18/2016	NITRATE-NITRITE AS NITROGEN	10	0.0995	mg/L			0.017	0.05
HAA 7B	2/17/2016	NITRATE-NITRITE AS NITROGEN	10	0.0983	mg/L			0.017	0.05

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 8B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.095	mg/L			0.0047	0.05
HAA 8B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.089	mg/L			0.0047	0.05
HAA 8B	2/11/2016	NITRATE-NITRITE AS NITROGEN	10	0.0781	mg/L			0.017	0.05
HAA 8B	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.0684	mg/L			0.017	0.05
HAA 7B	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.0655	mg/L			0.017	0.05
HAA 8B	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.064	mg/L			0.011	0.05
HAA 1C	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.05	mg/L	U	U	0.017	0.05
HAA 1C	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.05	mg/L	U	U	0.017	0.05
HAA 1A	2/4/2016	NITRATE-NITRITE AS NITROGEN	10	0.0458	mg/L	J	J	0.017	0.05
HAA 7C	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.0284	mg/L	J	J	0.017	0.05
HAA 1A	9/19/2016	NITRATE-NITRITE AS NITROGEN	10	0.0279	mg/L	J	J	0.017	0.05
HAA 8D	**2/11/2016**	**NONVOLATILE BETA**	**50**	**223**	**pCi/L**			**3.16**	**23.6**
HAA 4D	9/14/2016	NONVOLATILE BETA	50	24.5	pCi/L			2.29	9.01
HAA 4D	2/11/2016	NONVOLATILE BETA	50	23.3	pCi/L			2.95	10.2
HAA 4B	2/11/2016	NONVOLATILE BETA	50	8.94	pCi/L	J	J	3.74	9.12
HAA 12C	2/16/2016	NONVOLATILE BETA	50	7.14	pCi/L			2.92	7.14
HAA 12C	9/21/2016	NONVOLATILE BETA	50	6.75	pCi/L	J	J	4	11
HAA 4B	9/14/2016	NONVOLATILE BETA	50	5.51	pCi/L	J	J	4.19	11.1
HAA 12B	9/21/2016	NONVOLATILE BETA	50	5.3	pCi/L	J	J	4.04	10.7
HAA 10D	2/18/2016	NONVOLATILE BETA	50	5.09	pCi/L	J	J	2.45	6.33
HAA 14B	2/11/2016	NONVOLATILE BETA	50	5.07	pCi/L	J	J	2.36	5.82
HAA 11B	2/11/2016	NONVOLATILE BETA	50	5.02	pCi/L	J	J	3.49	8.29
HAA 7D	2/17/2016	NONVOLATILE BETA	50	4.88	pCi/L	J	J	3.19	7.49
HAA 7C	2/17/2016	NONVOLATILE BETA	50	4.8	pCi/L	J	J	3.34	7.94
HAA 12B	9/21/2016	NONVOLATILE BETA	50	4.55	pCi/L	J	J	4.06	10.5
HAA 4C	2/11/2016	NONVOLATILE BETA	50	4.33	pCi/L	J	J	3.09	7.23
HAA 2B	2/4/2016	NONVOLATILE BETA	50	4.08	pCi/L	J	J	2.57	6.05
HAA017C	2/18/2016	NONVOLATILE BETA	50	3.82	pCi/L	J	J	2.46	6.1
HAA 2D	2/4/2016	NONVOLATILE BETA	50	3.6	pCi/L	J	J	3.59	8.13
HAA 14D	9/14/2016	NONVOLATILE BETA	50	3.52	pCi/L	U	U	4.44	11
HAA 2C	2/4/2016	NONVOLATILE BETA	50	3.52	pCi/L	J	J	2.97	6.85
HAA 1A	2/4/2016	NONVOLATILE BETA	50	3.42	pCi/L	J	J	3.04	6.94
HAA 7D	9/19/2016	NONVOLATILE BETA	50	3.39	pCi/L	U	U	4.39	10.8
HAA021D	9/22/2016	NONVOLATILE BETA	50	3.22	pCi/L	U	U	4	9.97
HAA 2D	2/4/2016	NONVOLATILE BETA	50	3.2	pCi/L	U	U	3.63	8.23
HAA 10D	9/20/2016	NONVOLATILE BETA	50	3.14	pCi/L	U	U	4.06	10
HAA 7C	9/19/2016	NONVOLATILE BETA	50	3.13	pCi/L	U	U	4.29	10.6
HAA 12B	2/16/2016	NONVOLATILE BETA	50	3.07	pCi/L	J	J	2.98	6.74
HAA 11B	9/20/2016	NONVOLATILE BETA	50	3.02	pCi/L	U	U	4.02	9.93
HAA 15C	9/14/2016	NONVOLATILE BETA	50	2.92	pCi/L	U	U	4.03	9.93
HAA 13D	5/2/2016	NONVOLATILE BETA	50	2.82	pCi/L	U	U	4.08	9.63
HAA020D	2/16/2016	NONVOLATILE BETA	50	2.81	pCi/L	U	U	2.94	6.68
HAA 14D	2/11/2016	NONVOLATILE BETA	50	2.74	pCi/L	U	U	2.82	6.42
HAA 10C	9/20/2016	NONVOLATILE BETA	50	2.69	pCi/L	U	U	4.03	9.85
HAA 11C	9/20/2016	NONVOLATILE BETA	50	2.54	pCi/L	U	U	4	9.74
HAA017D	9/15/2016	NONVOLATILE BETA	50	2.48	pCi/L	U	U	4.03	9.77
HAA 1A	9/19/2016	NONVOLATILE BETA	50	2.3	pCi/L	U	U	4.03	9.73
HAA 1C	2/4/2016	NONVOLATILE BETA	50	2.25	pCi/L	U	U	2.27	5.17
HAA 10B	9/20/2016	NONVOLATILE BETA	50	2.09	pCi/L	U	U	4.02	9.64
HAA017C	9/15/2016	NONVOLATILE BETA	50	2.03	pCi/L	U	U	4.02	9.61
HAA 13B	2/16/2016	NONVOLATILE BETA	50	2.03	pCi/L	U	U	2.85	6.31
HAA 8C	9/19/2016	NONVOLATILE BETA	50	2.03	pCi/L	U	U	4.12	9.89
HAA 1D	9/19/2016	NONVOLATILE BETA	50	2.03	pCi/L	U	U	4.12	9.88
HAA 7B	9/19/2016	NONVOLATILE BETA	50	1.9	pCi/L	U	U	4.07	9.77
HAA 13C	2/16/2016	NONVOLATILE BETA	50	1.88	pCi/L	U	U	2.93	6.47
HAA 14D	5/2/2016	NONVOLATILE BETA	50	1.86	pCi/L	U	U	4.08	9.29
HAA 11D	4/26/2016	NONVOLATILE BETA	50	1.86	pCi/L	U	U	4.08	9.29
HAA019D	2/18/2016	NONVOLATILE BETA	50	1.85	pCi/L	U	U	2.13	4.95
HAA 11C	2/11/2016	NONVOLATILE BETA	50	1.85	pCi/L	U	U	3.43	7.53
HAA020C	9/19/2016	NONVOLATILE BETA	50	1.77	pCi/L	U	U	4	9.59
HAA 1D	2/4/2016	NONVOLATILE BETA	50	1.63	pCi/L	U	U	3.1	6.8
HAA 13D	9/22/2016	NONVOLATILE BETA	50	1.6	pCi/L	U	U	4	9.42

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 15B	2/18/2016	NONVOLATILE BETA	50	1.59	pCi/L	U	U	3.5	7.62
HAA018C	9/15/2016	NONVOLATILE BETA	50	1.54	pCi/L	U	U	4.03	9.45
HAA 9D	4/26/2016	NONVOLATILE BETA	50	1.5	pCi/L	U	U	4.04	9.07
HAA 1C	9/19/2016	NONVOLATILE BETA	50	1.45	pCi/L	U	U	4.18	9.82
HAA 15D	2/18/2016	NONVOLATILE BETA	50	1.38	pCi/L	U	U	2.98	6.5
HAA 8B	9/19/2016	NONVOLATILE BETA	50	1.36	pCi/L	U	U	4.34	10.1
HAA 12D	2/16/2016	NONVOLATILE BETA	50	1.32	pCi/L	U	U	2.77	6.05
HAA 2B	9/19/2016	NONVOLATILE BETA	50	1.32	pCi/L	U	U	4.13	9.67
HAA020D	9/19/2016	NONVOLATILE BETA	50	1.31	pCi/L	U	U	4.12	9.65
HAA 15C	2/18/2016	NONVOLATILE BETA	50	1.29	pCi/L	U	U	2.85	6.21
HAA 15D	5/3/2016	NONVOLATILE BETA	50	1.18	pCi/L	U	U	4.08	9.03
HAA 10B	2/17/2016	NONVOLATILE BETA	50	1.17	pCi/L	U	U	3.1	6.7
HAA 9D	9/20/2016	NONVOLATILE BETA	50	1.12	pCi/L	U	U	4.01	9.27
HAA 8C	2/11/2016	NONVOLATILE BETA	50	1.07	pCi/L	U	U	3.35	7.19
HAA 15D	9/14/2016	NONVOLATILE BETA	50	1.05	pCi/L	U	U	4.04	9.3
HAA017D	2/18/2016	NONVOLATILE BETA	50	1.01	pCi/L	U	U	2.41	5.25
HAA021C	2/18/2016	NONVOLATILE BETA	50	1	pCi/L	U	U	2.76	5.94
HAA 11B	2/11/2016	NONVOLATILE BETA	50	0.974	pCi/L	U	U	2.85	6.17
HAA 10C	2/17/2016	NONVOLATILE BETA	50	0.973	pCi/L	U	U	2.63	5.73
HAA 10B	2/17/2016	NONVOLATILE BETA	50	0.961	pCi/L	U	U	3.44	7.34
HAA018D	9/15/2016	NONVOLATILE BETA	50	0.881	pCi/L	U	U	4.01	9.18
HAA 14C	9/14/2016	NONVOLATILE BETA	50	0.819	pCi/L	U	U	4.01	9.28
HAA 8B	2/11/2016	NONVOLATILE BETA	50	0.802	pCi/L	U	U	0.83	1.928
HAA020C	2/16/2016	NONVOLATILE BETA	50	0.724	pCi/L	U	U	2.89	6.21
HAA 4C	9/14/2016	NONVOLATILE BETA	50	0.713	pCi/L	U	U	4.07	9.35
HAA 14C	2/11/2016	NONVOLATILE BETA	50	0.709	pCi/L	U	U	2.38	5.12
HAA018C	2/18/2016	NONVOLATILE BETA	50	0.706	pCi/L	U	U	2.14	4.56
HAA 1C	9/19/2016	NONVOLATILE BETA	50	0.656	pCi/L	U	U	4.35	9.87
HAA 12D	9/21/2016	NONVOLATILE BETA	50	0.647	pCi/L	U	U	4.01	9.09
HAA 14C	9/14/2016	NONVOLATILE BETA	50	0.639	pCi/L	U	U	0.928	2.096
HAA019C	9/14/2016	NONVOLATILE BETA	50	0.627	pCi/L	U	U	4.03	9.13
HAA 9B	9/20/2016	NONVOLATILE BETA	50	0.605	pCi/L	U	U	4.06	9.2
HAA018C	9/15/2016	NONVOLATILE BETA	50	0.604	pCi/L	U	U	4.03	9.13
HAA 8B	9/19/2016	NONVOLATILE BETA	50	0.528	pCi/L	U	U	0.991	2.205
HAA018C	2/18/2016	NONVOLATILE BETA	50	0.508	pCi/L	U	U	3.04	6.4
HAA 8B	2/11/2016	NONVOLATILE BETA	50	0.456	pCi/L	U	U	2.67	5.69
HAA 11D	9/20/2016	NONVOLATILE BETA	50	0.435	pCi/L	U	U	4	9
HAA 13B	9/22/2016	NONVOLATILE BETA	50	0.393	pCi/L	U	U	4.04	9.08
HAA019D	9/14/2016	NONVOLATILE BETA	50	0.392	pCi/L	U	U	4.02	9.03
HAA 8D	9/19/2016	NONVOLATILE BETA	50	0.367	pCi/L	U	U	4.12	9.31
HAA 2C	9/19/2016	NONVOLATILE BETA	50	0.305	pCi/L	U	U	4.39	9.84
HAA019C	2/18/2016	NONVOLATILE BETA	50	0.237	pCi/L	U	U	2.73	5.63
HAA 13D	5/2/2016	NONVOLATILE BETA	50	0.201	pCi/L	U	U	4.09	8.68
HAA 9C	2/11/2016	NONVOLATILE BETA	50	0.2	pCi/L	U	U	2.78	5.88
HAA 13D	2/16/2016	NONVOLATILE BETA	50	0.193	pCi/L	U	U	3	6.4
HAA 9B	9/20/2016	NONVOLATILE BETA	50	0.134	pCi/L	U	U	4.06	9.01
HAA 12D	4/26/2016	NONVOLATILE BETA	50	0.0335	pCi/L	U	U	4.06	8.55
HAA 2D	9/19/2016	NONVOLATILE BETA	50	0.0217	pCi/L	U	U	4.17	9.29
HAA 8B	2/11/2016	NONVOLATILE BETA	50	0.01478	pCi/L	U	U	0.838	1.778
HAA 9D	2/11/2016	NONVOLATILE BETA	50	-0.00724	pCi/L	U	U	2.75	5.81
HAA 14C	2/11/2016	NONVOLATILE BETA	50	-0.0199	pCi/L	U	U	0.93	1.982
HAA 13C	9/22/2016	NONVOLATILE BETA	50	-0.121	pCi/L	U	U	4.04	8.88
HAA021D	2/18/2016	NONVOLATILE BETA	50	-0.132	pCi/L	U	U	3.98	8.28
HAA 9C	9/20/2016	NONVOLATILE BETA	50	-0.142	pCi/L	U	U	4.05	8.88
HAA 11D	2/18/2016	NONVOLATILE BETA	50	-0.412	pCi/L	U	U	2.94	5.96
HAA 15B	9/14/2016	NONVOLATILE BETA	50	-0.567	pCi/L	U	U	4.03	8.68
HAA 15B	9/14/2016	NONVOLATILE BETA	50	-0.589	pCi/L	U	U	4.04	8.69
HAA 9B	2/11/2016	NONVOLATILE BETA	50	-0.693	pCi/L	U	U	3.32	6.82
HAA 10B	9/20/2016	NONVOLATILE BETA	50	-0.807	pCi/L	U	U	4.05	8.63
HAA021D	2/18/2016	NONVOLATILE BETA	50	-0.834	pCi/L	U	U	2.77	5.45
HAA 14B	9/14/2016	NONVOLATILE BETA	50	-0.927	pCi/L	U	U	4.2	9
HAA 7B	2/17/2016	NONVOLATILE BETA	50	-1.25	pCi/L	U	U	3.77	7.65

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA021C	9/22/2016	NONVOLATILE BETA	50	-1.71	pCi/L	U	U	4.01	8.16
HAA018D	2/18/2016	NONVOLATILE BETA	50	-1.82	pCi/L	U	U	3.76	7.62
HAA 4B	9/14/2016	PH	NA	11.3	pH				
HAA 4B	2/11/2016	PH	NA	10.4	pH				
HAA 11B	9/20/2016	PH	NA	10.3	pH				
HAA 11B	2/11/2016	PH	NA	9.7	pH				
HAA 13B	2/16/2016	PH	NA	9.5	pH				
HAA 13B	9/22/2016	PH	NA	9.5	pH				
HAA 1A	2/4/2016	PH	NA	8.6	pH				
HAA 1A	9/19/2016	PH	NA	8.4	pH				
HAA 14B	9/14/2016	PH	NA	8.1	pH				
HAA 11C	2/11/2016	PH	NA	7.5	pH				
HAA 9B	2/11/2016	PH	NA	7.5	pH				
HAA 9B	9/20/2016	PH	NA	7.4	pH				
HAA 4C	2/11/2016	PH	NA	7.4	pH				
HAA 14B	2/11/2016	PH	NA	7.2	pH				
HAA 10B	9/20/2016	PH	NA	7.2	pH				
HAA019C	9/14/2016	PH	NA	7.1	pH				
HAA 12D	4/26/2016	PH	NA	7	pH				
HAA 10B	2/17/2016	PH	NA	6.9	pH				
HAA020D	2/16/2016	PH	NA	6.8	pH				
HAA019C	2/18/2016	PH	NA	6.8	pH				
HAA 4C	9/14/2016	PH	NA	6.8	pH				
HAA 2C	9/19/2016	PH	NA	6.8	pH				
HAA 2B	2/4/2016	PH	NA	6.8	pH				
HAA 15B	2/18/2016	PH	NA	6.7	pH				
HAA 14C	9/14/2016	PH	NA	6.7	pH				
HAA 12B	2/16/2016	PH	NA	6.7	pH				
HAA020C	2/16/2016	PH	NA	6.6	pH				
HAA 7C	2/17/2016	PH	NA	6.6	pH				
HAA 12B	9/21/2016	PH	NA	6.5	pH				
HAA 11D	4/26/2016	PH	NA	6.5	pH				
HAA 7C	9/19/2016	PH	NA	6.5	pH				
HAA 15B	9/14/2016	PH	NA	6.4	pH				
HAA 14C	2/11/2016	PH	NA	6.4	pH				
HAA020C	9/19/2016	PH	NA	6.3	pH				
HAA 13C	9/22/2016	PH	NA	6.3	pH				
HAA 15C	2/18/2016	PH	NA	6.2	pH				
HAA 13C	2/16/2016	PH	NA	6.2	pH				
HAA 1C	2/4/2016	PH	NA	6.2	pH				
HAA 1C	9/19/2016	PH	NA	6.2	pH				
HAA 10C	2/17/2016	PH	NA	6	pH				
HAA 7B	2/17/2016	PH	NA	6	pH				
HAA 2C	2/4/2016	PH	NA	5.9	pH				
HAA017C	2/18/2016	PH	NA	5.8	pH				
HAA 9C	2/11/2016	PH	NA	5.8	pH				
HAA 8B	2/11/2016	PH	NA	5.8	pH				
HAA 7B	9/19/2016	PH	NA	5.8	pH				
HAA021C	2/18/2016	PH	NA	5.7	pH				
HAA019D	2/18/2016	PH	NA	5.7	pH				
HAA 15C	9/14/2016	PH	NA	5.7	pH				
HAA 10C	9/20/2016	PH	NA	5.7	pH				
HAA 8B	9/19/2016	PH	NA	5.7	pH				
HAA017C	9/15/2016	PH	NA	5.6	pH				
HAA 15D	2/18/2016	PH	NA	5.6	pH				
HAA 11C	9/20/2016	PH	NA	5.6	pH				
HAA 9C	9/20/2016	PH	NA	5.6	pH				
HAA020D	9/19/2016	PH	NA	5.5	pH				
HAA 13D	5/2/2016	PH	NA	5.5	pH				
HAA 8D	2/11/2016	PH	NA	5.5	pH				
HAA021D	2/18/2016	PH	NA	5.4	pH				
HAA018C	2/18/2016	PH	NA	5.4	pH				

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HAA018D	2/18/2016	PH	NA	5.3	pH				
HAA018C	9/15/2016	PH	NA	5.3	pH				
HAA017D	2/18/2016	PH	NA	5.3	pH				
HAA 9D	2/11/2016	PH	NA	5.3	pH				
HAA 8C	2/11/2016	PH	NA	5.3	pH				
HAA 7D	2/17/2016	PH	NA	5.3	pH				
HAA 12C	2/16/2016	PH	NA	5.2	pH				
HAA021C	9/22/2016	PH	NA	5.1	pH				
HAA017D	9/15/2016	PH	NA	5.1	pH				
HAA 12C	9/21/2016	PH	NA	5.1	pH				
HAA 9D	9/20/2016	PH	NA	5.1	pH				
HAA 2B	9/19/2016	PH	NA	5.1	pH				
HAA021D	9/22/2016	PH	NA	5	pH				
HAA 10D	2/18/2016	PH	NA	5	pH				
HAA 10D	9/20/2016	PH	NA	5	pH				
HAA 11D	2/18/2016	PH	NA	4.9	pH				
HAA019D	9/14/2016	PH	NA	4.8	pH				
HAA 15D	9/14/2016	PH	NA	4.8	pH				
HAA 14D	5/2/2016	PH	NA	4.8	pH				
HAA 13D	9/22/2016	PH	NA	4.8	pH				
HAA 12D	2/16/2016	PH	NA	4.8	pH				
HAA 8C	9/19/2016	PH	NA	4.8	pH				
HAA018D	9/15/2016	PH	NA	4.7	pH				
HAA 15D	5/3/2016	PH	NA	4.7	pH				
HAA 14D	2/11/2016	PH	NA	4.7	pH				
HAA 13D	2/16/2016	PH	NA	4.7	pH				
HAA 9D	4/26/2016	PH	NA	4.7	pH				
HAA 8D	9/19/2016	PH	NA	4.7	pH				
HAA 4D	2/11/2016	PH	NA	4.7	pH				
HAA 1D	2/4/2016	PH	NA	4.7	pH				
HAA 1D	9/19/2016	PH	NA	4.7	pH				
HAA 12D	9/21/2016	PH	NA	4.6	pH				
HAA 7D	9/19/2016	PH	NA	4.6	pH				
HAA 14D	9/14/2016	PH	NA	4.4	pH				
HAA 4D	9/14/2016	PH	NA	4.3	pH				
HAA 2D	9/19/2016	PH	NA	4.2	pH				
HAA 2D	2/4/2016	PH	NA	4.1	pH				
HAA 11D	9/20/2016	PH	NA	4	pH				
HAA 4D	2/11/2016	PLUTONIUM-238	15	0.0505	pCi/L	U	U	0.218	0.466
HAA 4D	2/11/2016	PLUTONIUM-238	15	0.0393	pCi/L	U	U	0.313	0.639
HAA 4D	9/14/2016	PLUTONIUM-238	15	0.0154	pCi/L	U	U	0.197	0.39
HAA 4D	9/14/2016	PLUTONIUM-238	15	-0.00891	pCi/L	U	U	0.164	0.304
HAA 4D	9/14/2016	PLUTONIUM-239/240	15	0.0296	pCi/L	U	U	0.221	0.449
HAA 4D	2/11/2016	PLUTONIUM-239/240	15	0.00185	pCi/L	U	U	0.304	0.578
HAA 4D	2/11/2016	PLUTONIUM-239/240	15	0.00123	pCi/L	U	U	0.203	0.386
HAA 4D	9/14/2016	PLUTONIUM-239/240	15	-0.0139	pCi/L	U	U	0.118	0.202
HAA 4D	9/14/2016	PLUTONIUM-242	15	0.044	pCi/L	U	U	0.118	0.274
HAA 4D	9/14/2016	PLUTONIUM-242	15	0.0416	pCi/L	U	U	0.152	0.343
HAA 4D	2/11/2016	PLUTONIUM-242	15	-0.0148	pCi/L	U	U	0.171	0.302
HAA 4D	2/11/2016	PLUTONIUM-242	15	-0.0221	pCi/L	U	U	0.255	0.451
HAA 10D	9/20/2016	SODIUM	NA	13200	ug/L			80	250
HAA 10D	2/18/2016	SODIUM	NA	12600	ug/L			20	200
HAA 10D	2/18/2016	SODIUM	NA	12600	ug/L			20	200
HAA 8D	2/11/2016	SODIUM	NA	9710	ug/L	J	J	20	200
HAA 2B	9/19/2016	SODIUM	NA	6980	ug/L			80	250
HAA 8C	9/19/2016	SODIUM	NA	6830	ug/L			80	250
HAA 8D	9/19/2016	SODIUM	NA	6430	ug/L			80	250
HAA 2B	2/4/2016	SODIUM	NA	6310	ug/L			20	200
HAA019D	9/14/2016	SODIUM	NA	6290	ug/L		J	80	250
HAA 7D	2/17/2016	SODIUM	NA	6110	ug/L			20	200
HAA 15D	9/14/2016	SODIUM	NA	5880	ug/L		J	80	250
HAA 8C	2/11/2016	SODIUM	NA	5850	ug/L	J	J	20	200

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HAA 15D	2/18/2016	SODIUM	NA	5830	ug/L			20	200
HAA 15D	2/18/2016	SODIUM	NA	5780	ug/L			20	200
HAA 9D	9/20/2016	SODIUM	NA	5090	ug/L			80	250
HAA 9D	2/11/2016	SODIUM	NA	4950	ug/L	J	J	20	200
HAA019D	2/18/2016	SODIUM	NA	4910	ug/L			20	200
HAA017D	9/15/2016	SODIUM	NA	4500	ug/L			80	250
HAA 10B	2/17/2016	SODIUM	NA	4470	ug/L			20	200
HAA 10B	2/17/2016	SODIUM	NA	4360	ug/L			20	200
HAA 4B	9/14/2016	SODIUM	NA	4330	ug/L		J	80	250
HAA 12D	9/21/2016	SODIUM	NA	4180	ug/L			80	250
HAA020D	9/19/2016	SODIUM	NA	4060	ug/L			80	250
HAA017D	2/18/2016	SODIUM	NA	4030	ug/L			20	200
HAA 4B	2/11/2016	SODIUM	NA	4020	ug/L	J	J	20	200
HAA021D	9/22/2016	SODIUM	NA	3990	ug/L			80	250
HAA021D	2/18/2016	SODIUM	NA	3950	ug/L			20	200
HAA020D	2/16/2016	SODIUM	NA	3860	ug/L			20	200
HAA 13B	9/22/2016	SODIUM	NA	3860	ug/L			80	250
HAA 12D	2/16/2016	SODIUM	NA	3690	ug/L	J	J	20	200
HAA 12B	9/21/2016	SODIUM	NA	3620	ug/L			80	250
HAA 7D	9/19/2016	SODIUM	NA	3520	ug/L			80	250
HAA 2D	2/4/2016	SODIUM	NA	3410	ug/L	J	J	20	200
HAA 15C	2/18/2016	SODIUM	NA	3290	ug/L			20	200
HAA 13D	9/22/2016	SODIUM	NA	3240	ug/L			80	250
HAA 15C	9/14/2016	SODIUM	NA	3200	ug/L		J	80	250
HAA 14B	9/14/2016	SODIUM	NA	3200	ug/L		J	80	250
HAA 12C	9/21/2016	SODIUM	NA	3190	ug/L			80	250
HAA 10C	9/20/2016	SODIUM	NA	3190	ug/L			80	250
HAA 10B	9/20/2016	SODIUM	NA	3150	ug/L			80	250
HAA 1D	2/4/2016	SODIUM	NA	3150	ug/L			20	200
HAA 10B	9/20/2016	SODIUM	NA	3100	ug/L			80	250
HAA 9C	9/20/2016	SODIUM	NA	3100	ug/L			80	250
HAA 2D	9/19/2016	SODIUM	NA	3100	ug/L			80	250
HAA 12C	2/16/2016	SODIUM	NA	3060	ug/L			20	200
HAA 12B	2/16/2016	SODIUM	NA	3050	ug/L			20	200
HAA 14C	2/11/2016	SODIUM	NA	3000	ug/L			24	50
HAA 11B	9/20/2016	SODIUM	NA	3000	ug/L			80	250
HAA 13D	2/16/2016	SODIUM	NA	2990	ug/L			20	200
HAA018D	9/15/2016	SODIUM	NA	2980	ug/L			80	250
HAA 13B	2/16/2016	SODIUM	NA	2890	ug/L	J	J	20	200
HAA 4D	2/11/2016	SODIUM	NA	2850	ug/L	J	J	20	200
HAA021C	9/22/2016	SODIUM	NA	2850	ug/L			80	250
HAA 11B	2/11/2016	SODIUM	NA	2840	ug/L			20	200
HAA 9B	9/20/2016	SODIUM	NA	2840	ug/L			80	250
HAA 4D	9/14/2016	SODIUM	NA	2820	ug/L		J	80	250
HAA 11B	2/11/2016	SODIUM	NA	2750	ug/L			20	200
HAA021C	2/18/2016	SODIUM	NA	2710	ug/L			20	200
HAA018D	2/18/2016	SODIUM	NA	2700	ug/L			20	200
HAA 14D	2/11/2016	SODIUM	NA	2700	ug/L			20	200
HAA 10C	2/17/2016	SODIUM	NA	2680	ug/L			20	200
HAA020C	2/16/2016	SODIUM	NA	2630	ug/L			20	200
HAA 7C	9/19/2016	SODIUM	NA	2600	ug/L			80	250
HAA 9C	2/11/2016	SODIUM	NA	2580	ug/L	J	J	20	200
HAA 7B	9/19/2016	SODIUM	NA	2550	ug/L			80	250
HAA020C	9/19/2016	SODIUM	NA	2540	ug/L			80	250
HAA 14B	2/11/2016	SODIUM	NA	2500	ug/L			20	200
HAA 9B	2/11/2016	SODIUM	NA	2480	ug/L	J	J	20	200
HAA 1D	9/19/2016	SODIUM	NA	2480	ug/L			80	250
HAA017C	2/18/2016	SODIUM	NA	2440	ug/L			20	200
HAA 15B	9/14/2016	SODIUM	NA	2430	ug/L		J	80	250
HAA 15B	2/18/2016	SODIUM	NA	2430	ug/L			20	200
HAA 1A	9/19/2016	SODIUM	NA	2390	ug/L			80	250
HAA 11D	2/18/2016	SODIUM	NA	2230	ug/L			20	200

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HAA 14C	9/14/2016	SODIUM	NA	2220	ug/L		J	80	250
HAA 7C	2/17/2016	SODIUM	NA	2180	ug/L			20	200
HAA 1C	9/19/2016	SODIUM	NA	2150	ug/L			80	250
HAA019C	9/14/2016	SODIUM	NA	2120	ug/L		J	80	250
HAA 14D	9/14/2016	SODIUM	NA	2110	ug/L		J	80	250
HAA019C	2/18/2016	SODIUM	NA	2040	ug/L			20	200
HAA 14C	9/14/2016	SODIUM	NA	2000	ug/L			24	50
HAA 7B	2/17/2016	SODIUM	NA	1970	ug/L			20	200
HAA 11C	9/20/2016	SODIUM	NA	1960	ug/L			80	250
HAA017C	9/15/2016	SODIUM	NA	1900	ug/L			80	250
HAA 8B	2/11/2016	SODIUM	NA	1900	ug/L			24	50
HAA 2C	9/19/2016	SODIUM	NA	1840	ug/L			80	250
HAA 8B	9/19/2016	SODIUM	NA	1820	ug/L			80	250
HAA 13C	2/16/2016	SODIUM	NA	1810	ug/L			20	200
HAA 1C	2/4/2016	SODIUM	NA	1810	ug/L			20	200
HAA 14C	2/11/2016	SODIUM	NA	1790	ug/L			20	200
HAA 13C	9/22/2016	SODIUM	NA	1770	ug/L			80	250
HAA 11C	2/11/2016	SODIUM	NA	1770	ug/L			20	200
HAA018C	9/15/2016	SODIUM	NA	1710	ug/L			80	250
HAA 8B	9/19/2016	SODIUM	NA	1700	ug/L			24	50
HAA 8B	2/11/2016	SODIUM	NA	1690	ug/L	J	J	20	200
HAA018C	2/18/2016	SODIUM	NA	1690	ug/L			20	200
HAA018C	2/18/2016	SODIUM	NA	1690	ug/L			20	200
HAA018C	9/15/2016	SODIUM	NA	1690	ug/L			80	250
HAA 4C	9/14/2016	SODIUM	NA	1650	ug/L		J	80	250
HAA 1A	2/4/2016	SODIUM	NA	1650	ug/L			20	200
HAA 1A	2/4/2016	SODIUM	NA	1560	ug/L			20	200
HAA 11D	9/20/2016	SODIUM	NA	1550	ug/L			80	250
HAA 2C	2/4/2016	SODIUM	NA	1460	ug/L	J	J	20	200
HAA 4C	2/11/2016	SODIUM	NA	1430	ug/L	J	J	20	200
HAA 11B	2/11/2016	SPECIFIC CONDUCTANCE	NA	239	uS/cm				
HAA 9B	2/11/2016	SPECIFIC CONDUCTANCE	NA	237	uS/cm				
HAA 9B	9/20/2016	SPECIFIC CONDUCTANCE	NA	232	uS/cm				
HAA 14B	2/11/2016	SPECIFIC CONDUCTANCE	NA	224	uS/cm				
HAA 14B	9/14/2016	SPECIFIC CONDUCTANCE	NA	200	uS/cm				
HAA 11B	9/20/2016	SPECIFIC CONDUCTANCE	NA	190	uS/cm				
HAA 10B	9/20/2016	SPECIFIC CONDUCTANCE	NA	190	uS/cm				
HAA 10B	2/17/2016	SPECIFIC CONDUCTANCE	NA	188	uS/cm				
HAA 13B	2/16/2016	SPECIFIC CONDUCTANCE	NA	176	uS/cm				
HAA 13B	9/22/2016	SPECIFIC CONDUCTANCE	NA	171	uS/cm				
HAA 1A	2/4/2016	SPECIFIC CONDUCTANCE	NA	159	uS/cm				
HAA 1A	9/19/2016	SPECIFIC CONDUCTANCE	NA	159	uS/cm				
HAA 4B	2/11/2016	SPECIFIC CONDUCTANCE	NA	135	uS/cm				
HAA 4B	9/14/2016	SPECIFIC CONDUCTANCE	NA	131	uS/cm				
HAA 14C	9/14/2016	SPECIFIC CONDUCTANCE	NA	118	uS/cm				
HAA 4C	2/11/2016	SPECIFIC CONDUCTANCE	NA	118	uS/cm				
HAA 14C	2/11/2016	SPECIFIC CONDUCTANCE	NA	115	uS/cm				
HAA 4C	9/14/2016	SPECIFIC CONDUCTANCE	NA	114	uS/cm				
HAA019C	9/14/2016	SPECIFIC CONDUCTANCE	NA	110	uS/cm				
HAA 12B	2/16/2016	SPECIFIC CONDUCTANCE	NA	108	uS/cm				
HAA019C	2/18/2016	SPECIFIC CONDUCTANCE	NA	107	uS/cm				
HAA 2B	2/4/2016	SPECIFIC CONDUCTANCE	NA	105	uS/cm				
HAA 4D	2/11/2016	SPECIFIC CONDUCTANCE	NA	97	uS/cm				
HAA 4D	9/14/2016	SPECIFIC CONDUCTANCE	NA	96	uS/cm				
HAA 2B	9/19/2016	SPECIFIC CONDUCTANCE	NA	94	uS/cm				
HAA 1C	9/19/2016	SPECIFIC CONDUCTANCE	NA	94	uS/cm				
HAA 12B	9/21/2016	SPECIFIC CONDUCTANCE	NA	93	uS/cm				
HAA 10D	9/20/2016	SPECIFIC CONDUCTANCE	NA	88	uS/cm				
HAA 13C	2/16/2016	SPECIFIC CONDUCTANCE	NA	87	uS/cm				
HAA 13C	9/22/2016	SPECIFIC CONDUCTANCE	NA	87	uS/cm				
HAA 7C	2/17/2016	SPECIFIC CONDUCTANCE	NA	85	uS/cm				
HAA 1C	2/4/2016	SPECIFIC CONDUCTANCE	NA	85	uS/cm				

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 10D	2/18/2016	SPECIFIC CONDUCTANCE	NA	84	uS/cm				
HAA 8D	2/11/2016	SPECIFIC CONDUCTANCE	NA	71	uS/cm				
HAA020C	9/19/2016	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
HAA 15B	2/18/2016	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
HAA020C	2/16/2016	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
HAA 7D	2/17/2016	SPECIFIC CONDUCTANCE	NA	57	uS/cm				
HAA019D	9/14/2016	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 15B	9/14/2016	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 8C	2/11/2016	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 8C	9/19/2016	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 7C	9/19/2016	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 8D	9/19/2016	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA 12C	2/16/2016	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA 12C	9/21/2016	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA019D	2/18/2016	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
HAA 9C	9/20/2016	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
HAA 15D	5/3/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 11C	2/11/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 9C	2/11/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 7D	9/19/2016	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 1D	2/4/2016	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
HAA 15D	2/18/2016	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 15D	9/14/2016	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11D	4/26/2016	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11C	9/20/2016	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA020D	2/16/2016	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 11D	2/18/2016	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 11D	9/20/2016	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 7B	2/17/2016	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA017C	2/18/2016	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 15C	9/14/2016	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA018D	9/15/2016	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 12D	4/26/2016	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 10C	2/17/2016	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 9D	2/11/2016	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 15C	2/18/2016	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 12D	2/16/2016	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 12D	9/21/2016	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 10C	9/20/2016	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 7B	9/19/2016	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA018D	2/18/2016	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 9D	4/26/2016	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 1D	9/19/2016	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 9D	9/20/2016	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
HAA021D	2/18/2016	SPECIFIC CONDUCTANCE	NA	38	uS/cm				
HAA 13D	2/16/2016	SPECIFIC CONDUCTANCE	NA	38	uS/cm				
HAA021D	9/22/2016	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA 13D	5/2/2016	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA 14D	2/11/2016	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA 14D	9/14/2016	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA 8B	2/11/2016	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA 8B	9/19/2016	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA017D	2/18/2016	SPECIFIC CONDUCTANCE	NA	35	uS/cm				
HAA 13D	9/22/2016	SPECIFIC CONDUCTANCE	NA	35	uS/cm				
HAA020D	9/19/2016	SPECIFIC CONDUCTANCE	NA	34	uS/cm				
HAA017D	9/15/2016	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 14D	5/2/2016	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 2D	2/4/2016	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 2D	9/19/2016	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA017C	9/15/2016	SPECIFIC CONDUCTANCE	NA	32	uS/cm				
HAA018C	2/18/2016	SPECIFIC CONDUCTANCE	NA	26	uS/cm				
HAA021C	2/18/2016	SPECIFIC CONDUCTANCE	NA	25	uS/cm				

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a Regional Screening Level b Preliminary Remediation Goal

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA021C	9/22/2016	SPECIFIC CONDUCTANCE	NA	25	uS/cm				
HAA018C	9/15/2016	SPECIFIC CONDUCTANCE	NA	25	uS/cm				
HAA 2C	9/19/2016	SPECIFIC CONDUCTANCE	NA	22	uS/cm				
HAA 2C	2/4/2016	SPECIFIC CONDUCTANCE	NA	20	uS/cm				
HAA 11D	9/20/2016	TECHNETIUM-99	900	30.9	pCi/L			4.18	10.8
HAA 11D	9/20/2016	TECHNETIUM-99	900	28.6	pCi/L			4.2	10.7
HAA 8B	9/19/2016	TECHNETIUM-99	900	13.1	pCi/L			4.11	9.75
HAA 12B	9/21/2016	TECHNETIUM-99	900	12.2	pCi/L			4	9.48
HAA 4B	9/14/2016	TECHNETIUM-99	900	11.8	pCi/L			4.31	10.1
HAA 12B	9/21/2016	TECHNETIUM-99	900	11.3	pCi/L			4	9.43
HAA 15C	9/14/2016	TECHNETIUM-99	900	11	pCi/L			4.3	10
HAA 10D	9/20/2016	TECHNETIUM-99	900	11	pCi/L			4.14	9.69
HAA 15C	2/18/2016	TECHNETIUM-99	900	8.92	pCi/L	J	J	8.45	18.8
HAA 4B	2/11/2016	TECHNETIUM-99	900	8.65	pCi/L	J	J	7.58	16.8
HAA 10D	2/18/2016	TECHNETIUM-99	900	8.23	pCi/L	U	U	8.45	18.8
HAA 12C	2/16/2016	TECHNETIUM-99	900	5.6	pCi/L	U	U	9.4	20.7
HAA 12C	9/21/2016	TECHNETIUM-99	900	5.3	pCi/L	J	J	4.01	9.08
HAA 12C	2/16/2016	TECHNETIUM-99	900	4.22	pCi/L	U	U	9.27	20.2
HAA 12D	9/21/2016	TECHNETIUM-99	900	4.19	pCi/L	J	J	4.03	9.07
HAA 9B	9/20/2016	TECHNETIUM-99	900	4.07	pCi/L	U	U	4.1	9.22
HAA 1D	9/19/2016	TECHNETIUM-99	900	3.93	pCi/L	U	U	4.21	9.44
HAA 15D	9/14/2016	TECHNETIUM-99	900	3.9	pCi/L	U	U	4.15	9.31
HAA 14B	9/14/2016	TECHNETIUM-99	900	3.52	pCi/L	U	U	4.16	9.3
HAA 13D	9/22/2016	TECHNETIUM-99	900	3.12	pCi/L	U	U	4.18	9.33
HAA 1A	9/19/2016	TECHNETIUM-99	900	3.11	pCi/L	U	U	4.13	9.21
HAA019C	9/14/2016	TECHNETIUM-99	900	3.03	pCi/L	U	U	4.11	9.17
HAA 10C	9/20/2016	TECHNETIUM-99	900	3	pCi/L	U	U	4.12	9.19
HAA 7D	9/19/2016	TECHNETIUM-99	900	2.88	pCi/L	U	U	4.12	9.18
HAA018C	9/15/2016	TECHNETIUM-99	900	2.64	pCi/L	U	U	4.1	9.13
HAA019C	9/14/2016	TECHNETIUM-99	900	2.58	pCi/L	U	U	4.12	9.17
HAA 2B	2/4/2016	TECHNETIUM-99	900	2.57	pCi/L	U	U	7.05	15.4
HAA 9C	9/20/2016	TECHNETIUM-99	900	2.47	pCi/L	U	U	4.11	9.14
HAA 2C	2/4/2016	TECHNETIUM-99	900	2.35	pCi/L	U	U	7.24	15.8
HAA 15B	9/14/2016	TECHNETIUM-99	900	2.3	pCi/L	U	U	4.16	9.23
HAA 10B	9/20/2016	TECHNETIUM-99	900	2.11	pCi/L	U	U	4.19	9.29
HAA 11C	9/20/2016	TECHNETIUM-99	900	2.08	pCi/L	U	U	4.13	9.16
HAA 13B	9/22/2016	TECHNETIUM-99	900	2.07	pCi/L	U	U	4.17	9.24
HAA 7D	9/19/2016	TECHNETIUM-99	900	1.96	pCi/L	U	U	4.11	9.1
HAA 1A	2/4/2016	TECHNETIUM-99	900	1.92	pCi/L	U	U	7.06	15.4
HAA 8D	9/19/2016	TECHNETIUM-99	900	1.8	pCi/L	U	U	4.12	9.12
HAA 1C	2/4/2016	TECHNETIUM-99	900	1.79	pCi/L	U	U	6.92	15.1
HAA 14D	2/11/2016	TECHNETIUM-99	900	1.78	pCi/L	U	U	7.13	15.5
HAA017D	9/15/2016	TECHNETIUM-99	900	1.77	pCi/L	U	U	4.13	9.13
HAA 4C	9/14/2016	TECHNETIUM-99	900	1.67	pCi/L	U	U	4.32	9.54
HAA021C	9/22/2016	TECHNETIUM-99	900	1.51	pCi/L	U	U	4.17	9.22
HAA 14C	9/14/2016	TECHNETIUM-99	900	1.49	pCi/L	U	U	4.28	9.46
HAA 4D	9/14/2016	TECHNETIUM-99	900	1.38	pCi/L	U	U	8.09	17.6
HAA019D	2/18/2016	TECHNETIUM-99	900	1.33	pCi/L	U	U	8.56	18.5
HAA018D	9/15/2016	TECHNETIUM-99	900	1.23	pCi/L	U	U	4.15	9.14
HAA 8C	9/19/2016	TECHNETIUM-99	900	1.22	pCi/L	U	U	4.11	9.07
HAA 14C	9/14/2016	TECHNETIUM-99	900	1.21	pCi/L	U	U	1.78	3.96
HAA 12D	2/16/2016	TECHNETIUM-99	900	1.12	pCi/L	U	U	8.78	18.7
HAA 10B	9/20/2016	TECHNETIUM-99	900	1.11	pCi/L	U	U	4.13	9.09
HAA 7C	9/19/2016	TECHNETIUM-99	900	1.03	pCi/L	U	U	4.11	9.05
HAA020C	9/19/2016	TECHNETIUM-99	900	0.879	pCi/L	U	U	4.13	9.08
HAA 15D	2/18/2016	TECHNETIUM-99	900	0.878	pCi/L	U	U	8.47	18.3
HAA019D	9/14/2016	TECHNETIUM-99	900	0.855	pCi/L	U	U	4.14	9.09
HAA 1A	2/4/2016	TECHNETIUM-99	900	0.855	pCi/L	U	U	7.33	15.9
HAA020D	9/19/2016	TECHNETIUM-99	900	0.854	pCi/L	U	U	4.12	9.06
HAA 15B	2/18/2016	TECHNETIUM-99	900	0.826	pCi/L	U	U	8.68	18.7
HAA018D	2/18/2016	TECHNETIUM-99	900	0.793	pCi/L	U	U	8.77	18.9
HAA 13C	9/22/2016	TECHNETIUM-99	900	0.792	pCi/L	U	U	4.18	9.18

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 2D	9/19/2016	TECHNETIUM-99	900	0.646	pCi/L	U	U	4.13	9.07
HAA 14D	9/14/2016	TECHNETIUM-99	900	0.617	pCi/L	U	U	4.29	9.42
HAA021D	9/22/2016	TECHNETIUM-99	900	0.58	pCi/L	U	U	4.16	9.13
HAA 11B	9/20/2016	TECHNETIUM-99	900	0.532	pCi/L	U	U	4.13	9.06
HAA017C	9/15/2016	TECHNETIUM-99	900	0.508	pCi/L	U	U	4.13	9.07
HAA 7B	9/19/2016	TECHNETIUM-99	900	0.461	pCi/L	U	U	4.13	9.05
HAA018C	9/15/2016	TECHNETIUM-99	900	0.416	pCi/L	U	U	4.14	9.07
HAA 12B	2/16/2016	TECHNETIUM-99	900	0.254	pCi/L	U	U	8.67	18.4
HAA 2C	9/19/2016	TECHNETIUM-99	900	0.0462	pCi/L	U	U	4.14	9.05
HAA 8B	9/19/2016	TECHNETIUM-99	900	0.00959	pCi/L	U	U	1.91	4.15
HAA 2B	9/19/2016	TECHNETIUM-99	900	-0.115	pCi/L	U	U	4.12	9.01
HAA 2D	2/4/2016	TECHNETIUM-99	900	-0.344	pCi/L	U	U	8.11	17.5
HAA 7D	2/17/2016	TECHNETIUM-99	900	-0.381	pCi/L	U	U	6.24	13.5
HAA 4D	2/11/2016	TECHNETIUM-99	900	-0.555	pCi/L	U	U	7.5	16.2
HAA 9D	9/20/2016	TECHNETIUM-99	900	-0.619	pCi/L	U	U	4.09	8.9
HAA 1C	9/19/2016	TECHNETIUM-99	900	-0.739	pCi/L	U	U	4.13	8.99
HAA 8B	2/11/2016	TECHNETIUM-99	900	-0.863	pCi/L	U	U	2.15	4.61
HAA 1D	2/4/2016	TECHNETIUM-99	900	-1.43	pCi/L	U	U	7.48	16.1
HAA 11D	2/18/2016	TECHNETIUM-99	900	-1.52	pCi/L	U	U	8.38	17.9
HAA 14C	2/11/2016	TECHNETIUM-99	900	-1.64	pCi/L	U	U	2.36	5.04
HAA 4C	2/11/2016	TECHNETIUM-99	900	-1.95	pCi/L	U	U	7.26	15.6
HAA019C	2/18/2016	TECHNETIUM-99	900	-2.26	pCi/L	U	U	8.62	18.4
HAA 9B	2/11/2016	TECHNETIUM-99	900	-2.35	pCi/L	U	U	7.36	15.8
HAA018C	2/18/2016	TECHNETIUM-99	900	-2.53	pCi/L	U	U	8.82	18.8
HAA017D	2/18/2016	TECHNETIUM-99	900	-2.53	pCi/L	U	U	9.19	19.6
HAA 10B	2/17/2016	TECHNETIUM-99	900	-2.82	pCi/L	U	U	8.39	17.8
HAA021D	2/18/2016	TECHNETIUM-99	900	-2.87	pCi/L	U	U	8.46	18
HAA 13C	2/16/2016	TECHNETIUM-99	900	-3.12	pCi/L	U	U	9.42	19.4
HAA 9C	2/11/2016	TECHNETIUM-99	900	-3.19	pCi/L	U	U	7.83	16
HAA021C	2/18/2016	TECHNETIUM-99	900	-3.21	pCi/L	U	U	8.61	18.3
HAA 11C	2/11/2016	TECHNETIUM-99	900	-3.33	pCi/L	U	U	8.26	17
HAA 7C	2/17/2016	TECHNETIUM-99	900	-3.34	pCi/L	U	U	6.04	12.9
HAA 8D	2/11/2016	TECHNETIUM-99	900	-3.41	pCi/L	U	U	8.22	16.8
HAA020C	2/16/2016	TECHNETIUM-99	900	-3.44	pCi/L	U	U	9.21	18.9
HAA 7C	2/17/2016	TECHNETIUM-99	900	-3.49	pCi/L	U	U	5.79	12.3
HAA 13D	2/16/2016	TECHNETIUM-99	900	-3.58	pCi/L	U	U	8.95	18.3
HAA 10C	2/17/2016	TECHNETIUM-99	900	-3.89	pCi/L	U	U	6.47	13.8
HAA 9D	2/11/2016	TECHNETIUM-99	900	-4.2	pCi/L	U	U	8.53	17.3
HAA017C	2/18/2016	TECHNETIUM-99	900	-4.51	pCi/L	U	U	9.11	19.3
HAA 7B	2/17/2016	TECHNETIUM-99	900	-4.8	pCi/L	U	U	6.31	13.4
HAA 11B	2/11/2016	TECHNETIUM-99	900	-5.19	pCi/L	U	U	9.17	18.6
HAA 14C	2/11/2016	TECHNETIUM-99	900	-5.21	pCi/L	U	U	9.59	19.5
HAA 8C	2/11/2016	TECHNETIUM-99	900	-5.33	pCi/L	U	U	8.63	17.4
HAA 10B	2/17/2016	TECHNETIUM-99	900	-5.44	pCi/L	U	U	6.42	13.6
HAA 14B	2/11/2016	TECHNETIUM-99	900	-5.62	pCi/L	U	U	8.56	17.2
HAA018C	2/18/2016	TECHNETIUM-99	900	-5.89	pCi/L	U	U	8.76	18.4
HAA 13B	2/16/2016	TECHNETIUM-99	900	-5.99	pCi/L	U	U	9.08	18.2
HAA 8B	2/11/2016	TECHNETIUM-99	900	-6.13	pCi/L	U	U	8.92	17.9
HAA020D	2/16/2016	TECHNETIUM-99	900	-6.86	pCi/L	U	U	9.05	18
HAA 4D	9/14/2016	THORIUM-228	15	0.703	pCi/L	U	U	0.545	1.52
HAA 4D	2/11/2016	THORIUM-228	15	0.337	pCi/L	U	U	0.586	1.39
HAA 4D	9/14/2016	THORIUM-228	15	0.337	pCi/L	U	U	0.283	0.897
HAA 4D	2/11/2016	THORIUM-228	15	0.288	pCi/L	U	U	0.534	1.28
HAA 4D	2/11/2016	THORIUM-230	15	0.576	pCi/L	U	U	0.682	1.71
HAA 4D	2/11/2016	THORIUM-230	15	0.545	pCi/L	U	U	0.605	1.54
HAA 4D	9/14/2016	THORIUM-230	15	0.0688	pCi/L	U	U	0.606	1.22
HAA 4D	9/14/2016	THORIUM-230	15	-0.0158	pCi/L	U	U	0.565	1.07
HAA 4D	2/11/2016	THORIUM-232	15	0.0964	pCi/L	U	U	0.396	0.876
HAA 4D	2/11/2016	THORIUM-232	15	0.0489	pCi/L	U	U	0.381	0.807
HAA 4D	9/14/2016	THORIUM-232	15	-0.00809	pCi/L	U	U	0.241	0.471
HAA 4D	9/14/2016	THORIUM-232	15	-0.0383	pCi/L	U	U	0.365	0.633
HAA 4B	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	104	mg/L				

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 9B	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	103	mg/L				
HAA 9B	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	95	mg/L				
HAA 14B	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	89	mg/L				
HAA 13B	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	83	mg/L				
HAA 13B	9/22/2016	TOTAL ALKALINITY (AS CACO3)	NA	83	mg/L				
HAA 12B	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	77	mg/L				
HAA 10B	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	77	mg/L				
HAA 10B	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	75	mg/L				
HAA 11B	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	74	mg/L				
HAA 4B	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	74	mg/L				
HAA 11B	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	62	mg/L				
HAA 1A	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	62	mg/L				
HAA 1A	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	61	mg/L				
HAA 4C	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	59	mg/L				
HAA 14B	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	49	mg/L				
HAA 4C	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	49	mg/L				
HAA019C	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	44	mg/L				
HAA 14C	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	41	mg/L				
HAA 14C	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	38	mg/L				
HAA019C	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	37	mg/L				
HAA 1C	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	36	mg/L				
HAA 2B	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	35	mg/L				
HAA 12B	9/21/2016	TOTAL ALKALINITY (AS CACO3)	NA	34	mg/L				
HAA 1C	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	34	mg/L				
HAA 13C	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	33	mg/L				
HAA 13C	9/22/2016	TOTAL ALKALINITY (AS CACO3)	NA	32	mg/L				
HAA 7C	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	26	mg/L				
HAA 7C	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	24	mg/L				
HAA020C	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	22	mg/L				
HAA 15B	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	20	mg/L				
HAA 10C	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	19	mg/L				
HAA017C	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	18	mg/L				
HAA 11C	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	16	mg/L				
HAA 15B	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	15	mg/L				
HAA017C	9/15/2016	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 15C	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 2C	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA020D	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA018D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 15C	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 12D	4/26/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 11C	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 7B	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA018C	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
HAA 7B	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
HAA021C	9/22/2016	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA017D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA017D	9/15/2016	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA 11D	4/26/2016	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA020C	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
HAA 8B	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
HAA021D	9/22/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA019D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA018C	9/15/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 15D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 13D	5/2/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 10C	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 8B	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA018D	9/15/2016	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
HAA 8C	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
HAA 2C	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
HAA 15D	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 12C	9/21/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 9C	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 9C	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 8D	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 2B	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA021D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA021C	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA020D	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA 13D	9/22/2016	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA 9D	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA019D	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 15D	5/3/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	5/2/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 13D	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	9/21/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	2/16/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 11D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 11D	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 10D	2/18/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 10D	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 9D	4/26/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 9D	9/20/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8D	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8C	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	2/17/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	2/11/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	9/14/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2D	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2D	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 1D	2/4/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 1D	9/19/2016	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	**2/16/2016**	**TRITIUM**	**20**	**60.8**	**pCi/mL**			**0.438**	**3.43**
HAA 12C	**9/21/2016**	**TRITIUM**	**20**	**56.6**	**pCi/mL**			**0.458**	**3.37**
HAA 12D	9/21/2016	TRITIUM	20	11.3	pCi/mL			0.458	1.84
HAA 13D	5/2/2016	TRITIUM	20	10.7	pCi/mL			0.479	1.84
HAA 13D	2/16/2016	TRITIUM	20	10.3	pCi/mL			0.438	1.76
HAA 12D	2/16/2016	TRITIUM	20	10.2	pCi/mL			0.438	1.75
HAA 12D	4/26/2016	TRITIUM	20	10.2	pCi/mL			0.454	1.78
HAA 12D	4/26/2016	TRITIUM	20	9.75	pCi/mL			0.455	1.75
HAA 13D	5/2/2016	TRITIUM	20	9.63	pCi/mL			0.481	1.79
HAA 13D	9/22/2016	TRITIUM	20	9.53	pCi/mL			0.463	1.76
HAA 11D	2/18/2016	TRITIUM	20	8.64	pCi/mL			0.527	1.71
HAA 11D	9/20/2016	TRITIUM	20	8.63	pCi/mL			0.514	1.69
HAA 11D	4/26/2016	TRITIUM	20	8.45	pCi/mL			0.534	1.71
HAA 4B	2/11/2016	TRITIUM	20	8.04	pCi/mL			0.498	1.63
HAA 8D	9/19/2016	TRITIUM	20	7.81	pCi/mL			0.508	1.71
HAA 8D	2/11/2016	TRITIUM	20	7.71	pCi/mL			0.496	1.61
HAA 4B	9/14/2016	TRITIUM	20	6.64	pCi/mL			0.464	1.58
HAA 14D	5/2/2016	TRITIUM	20	6.31	pCi/mL			0.476	1.58
HAA 9D	9/20/2016	TRITIUM	20	6.28	pCi/mL			0.526	1.59
HAA 9D	4/26/2016	TRITIUM	20	6.21	pCi/mL			0.544	1.62
HAA 10D	9/20/2016	TRITIUM	20	6.17	pCi/mL			0.516	1.56
HAA 14D	2/11/2016	TRITIUM	20	6.02	pCi/mL			0.552	1.61
HAA 14D	9/14/2016	TRITIUM	20	5.93	pCi/mL			0.46	1.53
HAA 9D	2/11/2016	TRITIUM	20	5.93	pCi/mL			0.437	1.49
HAA 4D	9/14/2016	TRITIUM	20	5.77	pCi/mL			0.511	1.77
HAA 10D	2/18/2016	TRITIUM	20	5.74	pCi/mL			0.528	1.56
HAA 15D	2/18/2016	TRITIUM	20	5.71	pCi/mL			0.525	1.55

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 15D	5/3/2016	TRITIUM	20	5.43	pCi/mL			0.501	1.49
HAA 4D	2/11/2016	TRITIUM	20	5.33	pCi/mL			0.499	1.48
HAA 15D	9/14/2016	TRITIUM	20	5.13	pCi/mL			0.456	1.46
HAA 10C	9/20/2016	TRITIUM	20	3.9	pCi/mL			0.519	1.43
HAA021D	9/22/2016	TRITIUM	20	3.82	pCi/mL			0.458	1.37
HAA018D	9/15/2016	TRITIUM	20	3.75	pCi/mL			0.505	1.44
HAA018D	9/15/2016	TRITIUM	20	3.68	pCi/mL			0.485	1.39
HAA021D	2/18/2016	TRITIUM	20	3.67	pCi/mL			0.436	1.32
HAA017D	2/18/2016	TRITIUM	20	3.54	pCi/mL			0.528	1.42
HAA018D	2/18/2016	TRITIUM	20	3.52	pCi/mL			0.524	1.41
HAA 7D	9/19/2016	TRITIUM	20	3.25	pCi/mL			0.503	1.39
HAA017D	9/15/2016	TRITIUM	20	3.19	pCi/mL			0.507	1.4
HAA 7D	2/17/2016	TRITIUM	20	3.16	pCi/mL			0.44	1.27
HAA020D	9/19/2016	TRITIUM	20	3.05	pCi/mL			0.5	1.37
HAA019D	2/18/2016	TRITIUM	20	3	pCi/mL			0.435	1.26
HAA019D	2/18/2016	TRITIUM	20	2.99	pCi/mL			0.44	1.27
HAA 10C	2/17/2016	TRITIUM	20	2.9	pCi/mL			0.444	1.26
HAA020D	2/16/2016	TRITIUM	20	2.81	pCi/mL			0.44	1.25
HAA020D	2/16/2016	TRITIUM	20	2.77	pCi/mL			0.438	1.24
HAA019D	9/14/2016	TRITIUM	20	2.65	pCi/mL			0.473	1.3
HAA 2D	2/4/2016	TRITIUM	20	2.44	pCi/mL			0.404	1.16
HAA 2D	9/19/2016	TRITIUM	20	2.36	pCi/mL			0.503	1.32
HAA 15C	9/14/2016	TRITIUM	20	2.35	pCi/mL			0.466	1.26
HAA 15C	2/18/2016	TRITIUM	20	2.28	pCi/mL			0.528	1.33
HAA019D	9/14/2016	TRITIUM	20	2.27	pCi/mL			0.461	1.24
HAA 1D	9/19/2016	TRITIUM	20	2.26	pCi/mL			0.517	1.35
HAA 1D	2/4/2016	TRITIUM	20	2.16	pCi/mL			0.411	1.15
HAA 13C	2/16/2016	TRITIUM	20	1.79	pCi/mL			0.432	1.14
HAA 13C	9/22/2016	TRITIUM	20	1.78	pCi/mL			0.46	1.19
HAA 13B	9/22/2016	TRITIUM	20	1.65	pCi/mL			0.459	1.18
HAA021C	2/18/2016	TRITIUM	20	1.59	pCi/mL			0.441	1.14
HAA 9C	9/20/2016	TRITIUM	20	1.59	pCi/mL			0.521	1.27
HAA021C	9/22/2016	TRITIUM	20	1.56	pCi/mL			0.46	1.17
HAA 2C	9/19/2016	TRITIUM	20	1.47	pCi/mL			0.502	1.24
HAA 8C	2/11/2016	TRITIUM	20	1.41	pCi/mL			0.497	1.21
HAA 11B	2/11/2016	TRITIUM	20	1.36	pCi/mL			0.548	1.3
HAA 8C	9/19/2016	TRITIUM	20	1.33	pCi/mL			0.503	1.23
HAA 11C	9/20/2016	TRITIUM	20	1.29	pCi/mL			0.535	1.28
HAA 9C	2/11/2016	TRITIUM	20	1.24	pCi/mL			0.495	1.19
HAA 2B	2/4/2016	TRITIUM	20	1.09	pCi/mL			0.403	1.01
HAA020C	9/19/2016	TRITIUM	20	1.06	pCi/mL	J	J	0.51	1.22
HAA 13B	2/16/2016	TRITIUM	20	1.06	pCi/mL	J	J	0.436	1.07
HAA 11B	2/11/2016	TRITIUM	20	0.983	pCi/mL	J	J	0.551	1.28
HAA 11B	9/20/2016	TRITIUM	20	0.969	pCi/mL	J	J	0.551	1.28
HAA 11C	2/11/2016	TRITIUM	20	0.863	pCi/mL	J	J	0.545	1.26
HAA020C	2/16/2016	TRITIUM	20	0.829	pCi/mL	J	J	0.438	1.05
HAA 2C	2/4/2016	TRITIUM	20	0.729	pCi/mL	J	J	0.403	0.969
HAA 1A	9/19/2016	TRITIUM	20	0.729	pCi/mL	J	J	0.497	1.15
HAA 15B	2/18/2016	TRITIUM	20	0.566	pCi/mL	J	J	0.53	1.2
HAA 1A	2/4/2016	TRITIUM	20	0.548	pCi/mL	J	J	0.404	0.945
HAA 4C	2/11/2016	TRITIUM	20	0.508	pCi/mL	J	J	0.495	1.12
HAA 10B	9/20/2016	TRITIUM	20	0.44	pCi/mL	U	U	0.523	1.18
HAA 14C	9/14/2016	TRITIUM	20	0.406	pCi/mL	J	J	0.306	0.726
HAA 8B	2/11/2016	TRITIUM	20	0.402	pCi/mL	U	U	0.496	1.11
HAA 4C	9/14/2016	TRITIUM	20	0.376	pCi/mL	U	U	0.463	1.04
HAA017C	2/18/2016	TRITIUM	20	0.373	pCi/mL	U	U	0.528	1.18
HAA 14C	2/11/2016	TRITIUM	20	0.369	pCi/mL	U	U	0.412	0.956
HAA019C	9/14/2016	TRITIUM	20	0.367	pCi/mL	U	U	0.467	1.05
HAA018C	2/18/2016	TRITIUM	20	0.367	pCi/mL	U	U	0.528	1.18
HAA 14C	9/14/2016	TRITIUM	20	0.3162	pCi/mL	J	J	0.306	0.71
HAA 1C	9/19/2016	TRITIUM	20	0.313	pCi/mL	U	U	0.502	1.12
HAA 15B	9/14/2016	TRITIUM	20	0.306	pCi/mL	U	U	0.453	1.02

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 9B	2/11/2016	TRITIUM	20	0.285	pCi/mL	U	U	0.493	1.1
HAA 10B	9/20/2016	TRITIUM	20	0.265	pCi/mL	U	U	0.523	1.16
HAA018C	9/15/2016	TRITIUM	20	0.259	pCi/mL	U	U	0.501	1.11
HAA019C	2/18/2016	TRITIUM	20	0.246	pCi/mL	U	U	0.526	1.16
HAA 10B	2/17/2016	TRITIUM	20	0.216	pCi/mL	U	U	0.439	0.973
HAA 1C	2/4/2016	TRITIUM	20	0.21	pCi/mL	U	U	0.391	0.869
HAA 9B	9/20/2016	TRITIUM	20	0.172	pCi/mL	U	U	0.497	1.09
HAA 12B	2/16/2016	TRITIUM	20	0.154	pCi/mL	U	U	0.438	0.963
HAA 12B	9/21/2016	TRITIUM	20	0.152	pCi/mL	U	U	0.464	1.02
HAA018C	2/18/2016	TRITIUM	20	0.151	pCi/mL	U	U	0.526	1.16
HAA 10B	2/17/2016	TRITIUM	20	0.146	pCi/mL	U	U	0.438	0.963
HAA 14C	9/14/2016	TRITIUM	20	0.137	pCi/mL	U	U	0.47	1.03
HAA 8B	9/19/2016	TRITIUM	20	0.126	pCi/mL	U	U	0.509	1.11
HAA 7C	9/19/2016	TRITIUM	20	0.0961	pCi/mL	U	U	0.501	1.09
HAA 14C	2/11/2016	TRITIUM	20	0.0952	pCi/mL	U	U	0.551	1.21
HAA 7B	9/19/2016	TRITIUM	20	0.0813	pCi/mL	U	U	0.506	1.1
HAA018C	9/15/2016	TRITIUM	20	0.0666	pCi/mL	U	U	0.502	1.09
HAA 7B	2/17/2016	TRITIUM	20	0.0666	pCi/mL	U	U	0.441	0.959
HAA 7C	2/17/2016	TRITIUM	20	0.0373	pCi/mL	U	U	0.438	0.948
HAA 7B	2/17/2016	TRITIUM	20	2.7E-07	pCi/mL	U	U	0.441	0.948
HAA 8B	9/19/2016	TRITIUM	20	-0.00766	pCi/mL	U	U	0.299	0.631
HAA017C	9/15/2016	TRITIUM	20	-0.0175	pCi/mL	U	U	0.501	1.08
HAA 8B	2/11/2016	TRITIUM	20	-0.0239	pCi/mL	U	U	0.426	0.868
HAA 2B	9/19/2016	TRITIUM	20	-0.0313	pCi/mL	U	U	0.499	1.07
HAA 14B	2/11/2016	TRITIUM	20	-0.0439	pCi/mL	U	U	0.55	1.19
HAA 14B	9/14/2016	TRITIUM	20	-0.159	pCi/mL	U	U	0.46	0.968
HAA 13D	9/22/2016	TURBIDITY	NA	42	NTU				
HAA021D	9/22/2016	TURBIDITY	NA	35	NTU				
HAA 1D	2/4/2016	TURBIDITY	NA	14.9	NTU				
HAA019D	9/14/2016	TURBIDITY	NA	14.6	NTU				
HAA 13D	5/2/2016	TURBIDITY	NA	14	NTU				
HAA018D	9/15/2016	TURBIDITY	NA	12.4	NTU				
HAA 13D	2/16/2016	TURBIDITY	NA	10	NTU				
HAA017D	2/18/2016	TURBIDITY	NA	8.3	NTU				
HAA 1D	9/19/2016	TURBIDITY	NA	8.1	NTU				
HAA018D	2/18/2016	TURBIDITY	NA	7.8	NTU				
HAA017C	2/18/2016	TURBIDITY	NA	6.5	NTU				
HAA019D	2/18/2016	TURBIDITY	NA	5.1	NTU				
HAA 15B	2/18/2016	TURBIDITY	NA	4.3	NTU				
HAA017D	9/15/2016	TURBIDITY	NA	3.6	NTU				
HAA 4B	2/11/2016	TURBIDITY	NA	3.4	NTU				
HAA 4B	9/14/2016	TURBIDITY	NA	3.1	NTU				
HAA 11B	2/11/2016	TURBIDITY	NA	2.9	NTU				
HAA020D	2/16/2016	TURBIDITY	NA	2.7	NTU				
HAA 15D	2/18/2016	TURBIDITY	NA	2.4	NTU				
HAA 10B	2/17/2016	TURBIDITY	NA	2.4	NTU				
HAA 7D	2/17/2016	TURBIDITY	NA	2.1	NTU				
HAA 9D	4/26/2016	TURBIDITY	NA	1.9	NTU				
HAA 12C	9/21/2016	TURBIDITY	NA	1.8	NTU				
HAA017C	9/15/2016	TURBIDITY	NA	1.7	NTU				
HAA 10C	2/17/2016	TURBIDITY	NA	1.6	NTU				
HAA 13B	2/16/2016	TURBIDITY	NA	1.4	NTU				
HAA 11D	9/20/2016	TURBIDITY	NA	1.4	NTU				
HAA 2B	2/4/2016	TURBIDITY	NA	1.4	NTU				
HAA 13B	9/22/2016	TURBIDITY	NA	1.3	NTU				
HAA 11D	2/18/2016	TURBIDITY	NA	1.3	NTU				
HAA 11D	4/26/2016	TURBIDITY	NA	1.3	NTU				
HAA 7B	2/17/2016	TURBIDITY	NA	1.3	NTU				
HAA021D	2/18/2016	TURBIDITY	NA	1.2	NTU				
HAA020C	9/19/2016	TURBIDITY	NA	1.2	NTU				
HAA 2D	2/4/2016	TURBIDITY	NA	1.2	NTU				
HAA 9C	9/20/2016	TURBIDITY	NA	1.1	NTU				

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 11B	9/20/2016	TURBIDITY	NA	1	NTU				
HAA020D	9/19/2016	TURBIDITY	NA	0.9	NTU				
HAA 14B	9/14/2016	TURBIDITY	NA	0.9	NTU				
HAA 11C	2/11/2016	TURBIDITY	NA	0.9	NTU				
HAA 10D	2/18/2016	TURBIDITY	NA	0.9	NTU				
HAA 7C	2/17/2016	TURBIDITY	NA	0.9	NTU				
HAA 4D	2/11/2016	TURBIDITY	NA	0.9	NTU				
HAA 12D	4/26/2016	TURBIDITY	NA	0.8	NTU				
HAA 12C	2/16/2016	TURBIDITY	NA	0.8	NTU				
HAA 12B	2/16/2016	TURBIDITY	NA	0.8	NTU				
HAA 7C	9/19/2016	TURBIDITY	NA	0.8	NTU				
HAA 4C	2/11/2016	TURBIDITY	NA	0.8	NTU				
HAA 1C	9/19/2016	TURBIDITY	NA	0.8	NTU				
HAA021C	9/22/2016	TURBIDITY	NA	0.7	NTU				
HAA 15C	2/18/2016	TURBIDITY	NA	0.7	NTU				
HAA 9D	9/20/2016	TURBIDITY	NA	0.7	NTU				
HAA 9B	9/20/2016	TURBIDITY	NA	0.7	NTU				
HAA 4C	9/14/2016	TURBIDITY	NA	0.7	NTU				
HAA 2C	2/4/2016	TURBIDITY	NA	0.7	NTU				
HAA018C	2/18/2016	TURBIDITY	NA	0.6	NTU				
HAA018C	9/15/2016	TURBIDITY	NA	0.6	NTU				
HAA 13C	9/22/2016	TURBIDITY	NA	0.6	NTU				
HAA 4D	9/14/2016	TURBIDITY	NA	0.6	NTU				
HAA 2D	9/19/2016	TURBIDITY	NA	0.6	NTU				
HAA021C	2/18/2016	TURBIDITY	NA	0.5	NTU				
HAA 14C	9/14/2016	TURBIDITY	NA	0.5	NTU				
HAA 14B	2/11/2016	TURBIDITY	NA	0.5	NTU				
HAA 12B	9/21/2016	TURBIDITY	NA	0.5	NTU				
HAA020C	2/16/2016	TURBIDITY	NA	0.4	NTU				
HAA 15C	9/14/2016	TURBIDITY	NA	0.4	NTU				
HAA 14D	9/14/2016	TURBIDITY	NA	0.4	NTU				
HAA 12D	9/21/2016	TURBIDITY	NA	0.4	NTU				
HAA 10C	9/20/2016	TURBIDITY	NA	0.4	NTU				
HAA 10B	9/20/2016	TURBIDITY	NA	0.4	NTU				
HAA 15D	9/14/2016	TURBIDITY	NA	0.3	NTU				
HAA 15B	9/14/2016	TURBIDITY	NA	0.3	NTU				
HAA 14C	2/11/2016	TURBIDITY	NA	0.3	NTU				
HAA 13C	2/16/2016	TURBIDITY	NA	0.3	NTU				
HAA 9D	2/11/2016	TURBIDITY	NA	0.3	NTU				
HAA 9C	2/11/2016	TURBIDITY	NA	0.3	NTU				
HAA 8D	2/11/2016	TURBIDITY	NA	0.3	NTU				
HAA 8B	2/11/2016	TURBIDITY	NA	0.3	NTU				
HAA 2C	9/19/2016	TURBIDITY	NA	0.3	NTU				
HAA 2B	9/19/2016	TURBIDITY	NA	0.3	NTU				
HAA 1C	2/4/2016	TURBIDITY	NA	0.3	NTU				
HAA 1A	9/19/2016	TURBIDITY	NA	0.3	NTU				
HAA019C	2/18/2016	TURBIDITY	NA	0.2	NTU				
HAA019C	9/14/2016	TURBIDITY	NA	0.2	NTU				
HAA 15D	5/3/2016	TURBIDITY	NA	0.2	NTU				
HAA 14D	2/11/2016	TURBIDITY	NA	0.2	NTU				
HAA 14D	5/2/2016	TURBIDITY	NA	0.2	NTU				
HAA 12D	2/16/2016	TURBIDITY	NA	0.2	NTU				
HAA 11C	9/20/2016	TURBIDITY	NA	0.2	NTU				
HAA 9B	2/11/2016	TURBIDITY	NA	0.2	NTU				
HAA 8D	9/19/2016	TURBIDITY	NA	0.2	NTU				
HAA 8C	2/11/2016	TURBIDITY	NA	0.2	NTU				
HAA 8C	9/19/2016	TURBIDITY	NA	0.2	NTU				
HAA 7D	9/19/2016	TURBIDITY	NA	0.2	NTU				
HAA 7B	9/19/2016	TURBIDITY	NA	0.2	NTU				
HAA 1A	2/4/2016	TURBIDITY	NA	0.2	NTU				
HAA 10D	9/20/2016	TURBIDITY	NA	0.1	NTU				
HAA 8B	9/19/2016	TURBIDITY	NA	0.1	NTU				

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 4D	9/14/2016	URANIUM-233/234	10	0.0816	pCi/L	U	U	0.133	0.332
HAA 4D	2/11/2016	URANIUM-233/234	10	0.0245	pCi/L	U	U	0.183	0.372
HAA 4D	2/11/2016	URANIUM-233/234	10	0.0118	pCi/L	U	U	0.126	0.257
HAA 4D	9/14/2016	URANIUM-233/234	10	-0.00348	pCi/L	U	U	0.182	0.343
HAA 4D	9/14/2016	URANIUM-235	0.5	0.0269	pCi/L	U	U	0.0806	0.232
HAA 4D	2/11/2016	URANIUM-235	0.5	0	pCi/L	U	U	0.0841	0.197
HAA 4D	9/14/2016	URANIUM-235	0.5	0	pCi/L	U	U	0.0749	0.176
HAA 4D	2/11/2016	URANIUM-235	0.5	-0.0134	pCi/L	U	U	0.155	0.274
HAA 4D	9/14/2016	URANIUM-238	10	0.127	pCi/L	J	J	0.123	0.351
HAA 4D	2/11/2016	URANIUM-238	10	0.0626	pCi/L	U	U	0.109	0.289
HAA 4D	9/14/2016	URANIUM-238	10	0.0435	pCi/L	U	U	0.0652	0.214
HAA 4D	2/11/2016	URANIUM-238	10	0.0399	pCi/L	U	U	0.109	0.266
HAA 2D	2/4/2016	Water Elevation	NA	276.7	ft msl				
HAA 1D	2/4/2016	Water Elevation	NA	275.7	ft msl				
HAA 1D	9/19/2016	Water Elevation	NA	275.4	ft msl				
HAA 2D	9/19/2016	Water Elevation	NA	275	ft msl				
HAA021D	2/18/2016	Water Elevation	NA	273.74	ft msl				
HAA020D	2/16/2016	Water Elevation	NA	273.52	ft msl				
HAA 7D	2/17/2016	Water Elevation	NA	273.31	ft msl				
HAA 15D	2/18/2016	Water Elevation	NA	273.08	ft msl				
HAA021D	9/22/2016	Water Elevation	NA	272.34	ft msl				
HAA017D	2/18/2016	Water Elevation	NA	272.27	ft msl				
HAA 15D	5/3/2016	Water Elevation	NA	272.23	ft msl				
HAA 15D	9/14/2016	Water Elevation	NA	272.13	ft msl				
HAA 7D	9/19/2016	Water Elevation	NA	271.9	ft msl				
HAA017D	9/15/2016	Water Elevation	NA	271.77	ft msl				
HAA020D	9/19/2016	Water Elevation	NA	271.72	ft msl				
HAA 4D	2/11/2016	Water Elevation	NA	271.59	ft msl				
HAA 14D	2/11/2016	Water Elevation	NA	271.55	ft msl				
HAA 4D	9/14/2016	Water Elevation	NA	271.28	ft msl				
HAA 14D	5/2/2016	Water Elevation	NA	271.09	ft msl				
HAA 13D	2/16/2016	Water Elevation	NA	271.06	ft msl				
HAA 8D	2/11/2016	Water Elevation	NA	271.04	ft msl				
HAA 13D	5/2/2016	Water Elevation	NA	270.96	ft msl				
HAA 12D	2/16/2016	Water Elevation	NA	270.68	ft msl				
HAA 12D	4/26/2016	Water Elevation	NA	270.61	ft msl				
HAA018D	2/18/2016	Water Elevation	NA	270.5	ft msl				
HAA019D	2/18/2016	Water Elevation	NA	270.41	ft msl				
HAA 13D	9/22/2016	Water Elevation	NA	270.26	ft msl				
HAA 14D	9/14/2016	Water Elevation	NA	270.17	ft msl				
HAA 10D	2/18/2016	Water Elevation	NA	269.92	ft msl				
HAA 12D	9/21/2016	Water Elevation	NA	269.91	ft msl				
HAA019D	9/14/2016	Water Elevation	NA	269.31	ft msl				
HAA 10D	9/20/2016	Water Elevation	NA	269.3	ft msl				
HAA 8D	9/19/2016	Water Elevation	NA	269.21	ft msl				
HAA 11D	2/18/2016	Water Elevation	NA	268.79	ft msl				
HAA 11D	4/26/2016	Water Elevation	NA	268.34	ft msl				
HAA018D	9/15/2016	Water Elevation	NA	268.28	ft msl				
HAA 11D	9/20/2016	Water Elevation	NA	267.99	ft msl				
HAA 9D	2/11/2016	Water Elevation	NA	265.26	ft msl				
HAA 9D	4/26/2016	Water Elevation	NA	264.66	ft msl				
HAA 9D	9/20/2016	Water Elevation	NA	264.16	ft msl				
HAA021C	2/18/2016	Water Elevation	NA	256.57	ft msl				
HAA 10C	2/17/2016	Water Elevation	NA	255.27	ft msl				
HAA 7C	2/17/2016	Water Elevation	NA	255.23	ft msl				
HAA021C	9/22/2016	Water Elevation	NA	255.17	ft msl				
HAA020C	2/16/2016	Water Elevation	NA	255.06	ft msl				
HAA 10C	9/20/2016	Water Elevation	NA	254.47	ft msl				
HAA 2C	2/4/2016	Water Elevation	NA	254.4	ft msl				
HAA 10B	2/17/2016	Water Elevation	NA	254.3	ft msl				
HAA 7C	9/19/2016	Water Elevation	NA	254.08	ft msl				
HAA020C	9/19/2016	Water Elevation	NA	253.66	ft msl				

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Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 10B	9/20/2016	Water Elevation	NA	253.6	ft msl				
HAA 8C	2/11/2016	Water Elevation	NA	253.25	ft msl				
HAA 7B	2/17/2016	Water Elevation	NA	253.24	ft msl				
HAA 9C	2/11/2016	Water Elevation	NA	253.13	ft msl				
HAA 2B	2/4/2016	Water Elevation	NA	252.8	ft msl				
HAA 2C	9/19/2016	Water Elevation	NA	252.5	ft msl				
HAA 8B	2/11/2016	Water Elevation	NA	252.45	ft msl				
HAA 8C	9/19/2016	Water Elevation	NA	252.35	ft msl				
HAA 1C	2/4/2016	Water Elevation	NA	252.33	ft msl				
HAA 9C	9/20/2016	Water Elevation	NA	252.33	ft msl				
HAA 7B	9/19/2016	Water Elevation	NA	252.04	ft msl				
HAA 1C	9/19/2016	Water Elevation	NA	252	ft msl				
HAA 4C	2/11/2016	Water Elevation	NA	251.83	ft msl				
HAA 4C	9/14/2016	Water Elevation	NA	251.82	ft msl				
HAA 9B	2/11/2016	Water Elevation	NA	251.78	ft msl				
HAA 11B	2/11/2016	Water Elevation	NA	251.74	ft msl				
HAA 8B	9/19/2016	Water Elevation	NA	251.55	ft msl				
HAA 11B	9/20/2016	Water Elevation	NA	251.44	ft msl				
HAA 11C	2/11/2016	Water Elevation	NA	251.36	ft msl				
HAA 11C	9/20/2016	Water Elevation	NA	251.36	ft msl				
HAA 12C	2/16/2016	Water Elevation	NA	251.19	ft msl				
HAA 4B	2/11/2016	Water Elevation	NA	251	ft msl				
HAA 9B	9/20/2016	Water Elevation	NA	250.98	ft msl				
HAA 12B	2/16/2016	Water Elevation	NA	250.95	ft msl				
HAA 4B	9/14/2016	Water Elevation	NA	250.91	ft msl				
HAA 12C	9/21/2016	Water Elevation	NA	250.73	ft msl				
HAA 12B	9/21/2016	Water Elevation	NA	250.51	ft msl				
HAA 2B	9/19/2016	Water Elevation	NA	250.5	ft msl				
HAA 13B	9/22/2016	Water Elevation	NA	249.78	ft msl				
HAA 13B	2/16/2016	Water Elevation	NA	249.59	ft msl				
HAA 13C	2/16/2016	Water Elevation	NA	249.19	ft msl				
HAA 13C	9/22/2016	Water Elevation	NA	249.18	ft msl				
HAA 14C	2/11/2016	Water Elevation	NA	248.65	ft msl				
HAA 14C	9/14/2016	Water Elevation	NA	248.57	ft msl				
HAA 14B	2/11/2016	Water Elevation	NA	248.27	ft msl				
HAA 14B	9/14/2016	Water Elevation	NA	248.03	ft msl				
HAA 15C	2/18/2016	Water Elevation	NA	247.93	ft msl				
HAA 15C	9/14/2016	Water Elevation	NA	247.63	ft msl				
HAA 15B	2/18/2016	Water Elevation	NA	247.44	ft msl				
HAA 15B	9/14/2016	Water Elevation	NA	247.34	ft msl				
HAA017C	2/18/2016	Water Elevation	NA	246.87	ft msl				
HAA017C	9/15/2016	Water Elevation	NA	246.32	ft msl				
HAA018C	2/18/2016	Water Elevation	NA	243.56	ft msl				
HAA018C	9/15/2016	Water Elevation	NA	242.88	ft msl				
HAA019C	2/18/2016	Water Elevation	NA	238.57	ft msl				
HAA019C	9/14/2016	Water Elevation	NA	238.07	ft msl				
HAA 1A	2/4/2016	Water Elevation	NA	179.9	ft msl				
HAA 1A	9/19/2016	Water Elevation	NA	179.6	ft msl				

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