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2017 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 2017. 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 as defined in final Record of Decision (ROD) documents for the F-Area Tank Farm (FTF) and H-Area Tank Farm (HTF) Operable Units (OUs). 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 address as many data gaps as possible. Placement of additional wells is currently limited by existing active utilities and operating facilities, and additional well installation will not be possible until closure of the FTF and HTF.

In 2017, Savannah River Site (SRS) performed sampling according to the SAPs for the FTF and HTF. SRS collected samples during the first and third quarters of calendar year 2017 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 2017, SRS recorded 55.15 inches (in.) of precipitation as measured at the H-Area weather station. This amount of precipitation was greater than the 30-year average (46.5 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 (~) 221- and 210-feet (ft) above mean sea level (msl), respectively. In 2017, FTF groundwater elevations for the UAZ were ~1-ft above normal levels and groundwater elevations for the LAZ were ~3-ft above normal levels. At the HTF, average groundwater elevations for the UAZ and LAZ are ~270- and 252-ft above msl, respectively. In 2017, HTF UAZ and LAZ groundwater elevations were ~1-ft above normal levels.

Overall, the monitoring results, presented in Attachments A and B, are similar to those from past years. In 2017, no results indicated new releases to groundwater. Although water level measurements were slightly elevated from previous measurements, the flow paths were 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 of a network of thirteen monitoring wells, including seven 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 contaminant 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 2017, SRS sampled 12 of 13 FTF monitoring wells in the first and third calendar quarters. All the wells were sampled as scheduled except for the UAZ background well FBG 1D. The water table is thin in the area of well 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 2017 water level maps from the third quarter of 2017 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 known technetium-99 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 2017, 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 2017 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.

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 7.9 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, in this case, 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 picocuries per milliliter (pCi/mL)) in every well but one (FTF 30D). In 2017, the first quarter result at FTF 30D was 105 pCi/mL and the third quarter result was 20.4 pCi/mL. Figure 8 shows that in previous years, tritium has fluctuated sample to sample and has been detected greater than the MCL in UAZ well FTF 30D.

Tritium levels over time at FTF 30D were: 81.3 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 upgradient UAZ wells FTF 20 and FTF 22 was 1.54 pCi/mL. The maximum tritium result from the remaining wells sampled at the FTF was 4.2 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 30 samples, but only one sample was determined to be accurately quantifiable above the laboratory SQL. FTF 28 had one "J" qualified result of 15.4 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 (9.47 pCi/L) was detected at well FTF 20. 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 2016.

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 cadmium results above the SQL occurred at background well FBG 1C. The maximum result for cadmium was 0.79 micrograms per liter (µg/L) and did not exceed the MCL (5 µg/L). The maximum concentration of chromium was measured at UAZ well FTF 30D (19.2 µg/L) and was well below the MCL of 100 µg/L. Cadmium and chromium were detected in 21 out of 56 samples and all of the detected concentrations were below the MCLs. The 2017 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 2017, manganese was below the drinking water regional screening level (RSL) (430 µg/L) at all wells with a maximum concentration of 179 µg/L at well FTF 30D. The maximum concentration at FTF 9R was 171 µg/L (significantly lower than 2013 and 2014 maximum results). The background concentration for manganese (150 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 101 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 9 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 µg/L, 335 µg/L, 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 15 nephelometric turbidity units in every well except for FTF 30D. The time trend graph in Figure 9 shows that manganese concentrations in all 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 (2012) to 2,060 µg/L (2013). 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. Since 2013, manganese concentrations at FTF 9R have decreased. The February 2015 sample was slightly lower than the RSL at 395 µg/L and concentrations since then have continued to decrease, averaging 111.4 µg/L and are now within range of the other FTF monitoring wells. The maximum concentration in 2017 was 171 µg/L. 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 12,000 µg/L at FTF 22. Background concentrations for sodium were also higher than half of the other monitoring wells, which averaged ~5,900 µg/L. There is no MCL or RSL for sodium.

Nonvolatile Beta

Nonvolatile beta was detected above the SQL in 10 of 30 samples. However, only 6 of the 10 detections exceeded the screening level of 50 pCi/L, with four from well FTF 28 and two from FTF 12R. Two of the results from well FTF 28 that exceeded the screening level were estimated values that were "J" qualified due to the field duplicate RPD being out of control limits. These two values were included in Figure 10 for trending purposes only. Nonvolatile beta has historically been elevated in FTF 28 and this has been documented in previous groundwater reports. In 2016, levels at FTF 28 ranged from 377 J pCi/L to the maximum of 624 pCi/L. The maximum concentration for 2017 was 460 pCi/L. As shown in Figure 10 concentrations were similar to previous years. At FTF 12R, prior to 2014, nonvolatile beta has been below 50 pCi/L in previous samples. However, since 2014, nonvolatile beta levels in FTF 12R have ranged from 51.7 pCi/L to 297 pCi/L. In 2017, the levels were 132 pCi/L and 270 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 2017 monitoring continues to indicate the existence of a nonvolatile beta plume in both the UAZ (FTF 12R) and the LAZ (FTF 28 and FSL 11C) 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 2017, groundwater in the LAZ beneath the FTF had an average pH of 5.6. As shown in Figure 11, 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 4.5) indicating that FTF 28 has likely been impacted by the FIPSL. Figure 12 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 (263 pCi/L), lead-214 (286 pCi/L), radium-226 (2.35 pCi/L), radium-228 (0.684 J pCi/L), strontium-90 (12.4 pCi/L), technetium-99 (1,670 pCi/L), and thallium-208 (3.5 J pCi/L). The first quarter sample result for strontium-90 produced results above the MCL at 12.4 pCi/L (FTF 12R). However, the third quarter 2017 result for strontium-90 was non-detect. Radium was below the MCL.

At FTF 12R, 9R and 30, iodine-129 was also detected, 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 0.9 pCi/L (51 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 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.

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. Ra-226, Rn-222 and their daughter products (e.g. Bi-214 and Pb-214) are naturally-occurring radionuclides that commonly occur in coastal plain groundwater (Stone 2005).

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 2017, technetium-99 levels were

slightly higher than last year at 1,670 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 533 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, including 10 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 13 provides the monitoring locations. Figures 14, 15, and 16 illustrate groundwater flow directions and third quarter 2017 water levels for the UAZ, LAZ, and GAU, respectively.

In 2017, 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 2017, well HAA 19D exceeded a screening trigger level (gross alpha); however, this result appears to be anomalous. The results 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 2017 monitoring results. For comparison, a summary of historical monitoring results is provided in Table 3b.

Overall, the 2017 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.

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 (7.43 mg/L) was measured in UAZ well HAA 4D (same well as in 2016). The average concentration of all samples for nitrate-nitrite that were unqualified was 1.05 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 56.7 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 17 shows the history of tritium in both HAA 12 wells (UAZ and LAZ). In 2017, concentrations were steady in HAA 12D and decreasing in HAA 12C. Figure 18 shows the maximum tritium concentrations in 2017 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 19 of the 106 samples collected, but only one of the 19 samples had levels measurable above the SQL. The maximum concentration of gross alpha (16.9 pCi/L) exceeded the MCL (15 pCi/L) at well HAA 19D. This result appears to be anomalous as gross alpha results at HAA 19D have historically been below the MCL. In addition to historical results, the first quarter 2017 and first quarter 2018 results were non-detect at HAA 19D. The elevated gross alpha at HAA 19D may have been caused by the high turbidity (60.3 NTU) of the third quarter sample. The first quarter 2017 and first quarter 2018 samples, had turbidity below 15 NTU and yielded non-detect results for gross alpha. Turbidity is known to sometimes contribute to higher concentrations of metals/metallic radionuclides in samples.

Well HAA 4D had concentrations similar to last year with a maximum of 8.24 J pCi/L. Because gross alpha exceeded 15 pCi/L at HAA 4D in 2014, analyses were 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 100 samples, 97 results for cadmium were non-detect. The three remaining results were qualified "J". The "J" qualifier, in this case, meaning the constituent was tentatively identified, but below the SQL and thus cannot be accurately quantified. In 2016, cadmium at well HAA 1D (5.53 µg/L) was greater than the MCL (5 µg/L) and the result was reported 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 2016 and the 2017 results for well HAA 1D were non-detect. Out of 100 samples, only 5 results for chromium were above the SQL. The maximum concentration of chromium was measured at UAZ well HAA 19D (25.9 µg/L) and was well below the MCL of 100 µg/L. Approximately 40% 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 from 2013 through 2017 supports this conclusion. Figure 19 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 41 of 100 samples with a maximum concentration of 370 µg/L (UAZ well HAA 10D). The average concentration for all samples was 26.1 µg/L. Manganese did not exceed the RSL (430 µg/L) at any wells. In 2017, 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 (14,700 µg/L) occurring at UAZ well HAA 10D. The average concentration of sodium was about the same as 2016 results at 3,469 µg/L. In 2017, the range of sodium results (1,090 to 14,700 µg/L) was similar to recent years. 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 4 of 106 samples. The average concentration was 17.4 pCi/L. The maximum concentration was 28.9 pCi/L at UAZ well HAA 4D and less than the screening level of 50 pCi/L.

In 2016, the first quarter result at well HAA 8D (223 pCi/L) was greater than the MCL (50 pCi/L). The third quarter 2016 and 2017 results at well HAA 8D were 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. The historical results shown in Figure 20 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.

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 was reported that the result of 54.7 pCi/L is possibly anomalous. In 2017, the maximum concentration of nonvolatile beta measured at well HAA 20C was 3.18 J pCi/L and all other results since 2014 have been non-detect. SRS will continue to monitor nonvolatile beta according to the HTF SAP.

Technetium-99

Technetium-99 was detected above the SQL in only one of 109 samples collected. No results exceeded the MCL (900 pCi/L). The maximum concentration was 11.7 pCi/L at well HAA 15C. Historically, technetium-99 has not been identified as a prevalent contaminant in groundwater at the HTF and the 2017 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 2017 according to the approved plans and performed sampling in the first and third quarters at 58 wells (12 wells at FTF and 46 wells at HTF). In 2017, UAZ background well FBG 1D was dry during both sampling events. Overall, the 2017 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 2016. The maximum result occurred at FTF 28 at 460 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 2017 maximum concentration of technetium-99 at FTF 28 was 1,670 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, technetium-99 causes most of the elevated levels of beta radiation, though naturally-occurring radon-222 daughter-products contribute to the nonvolatile beta levels. 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.

Tritium is present above the MCL at one well at the FTF. 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 105 pCi/mL in the first quarter of 2017, before decreasing to 20.4 pCi/mL in the third quarter. Upgradient of well FTF 30D tritium levels are very low. SRS will continue to monitor and evaluate tritium at the FTF.

Concentrations of nitrate-nitrite, cadmium, chromium, manganese, and sodium remain low and are below their respective RSL/MCL. Overall, the 2017 monitoring results show no indications of new releases at the FTF.

H Tank Farm

At the HTF, tritium exceeded the MCL at LAZ well HAA 12C in 2017. 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 downgradient 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. Tritium concentrations were below the MCL in the UAZ. The 2017 results for tritium are lower than historic levels at the HTF.

In 2017, nonvolatile beta was below the MCL (50 pCi/L) in all wells. The maximum concentration was 28.9 pCi/L measured at UAZ well HAA 4D. In 2016, the first quarter result for nonvolatile beta at well HAA 8D (223 pCi/L) exceeded the MCL. However, this result is uncharacteristic because the third quarter 2016 and 2017 results were 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 suggesting that the 223 pCi/L result is likely anomalous. SRS will continue to monitor for nonvolatile beta and tritium at the HTF.

Concentrations of nitrate-nitrite, cadmium, chromium, manganese, and sodium remain low and are below their respective RSL/MCL. Overall, the 2017 monitoring results show no indications of new releases 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

Stone, 2005. *URANIUM, RADIUM, AND RADON IN WELL WATER IN SOUTH CAROLINA: DISTRIBUTION AND PROBLEMS,* Peter A. Stone, et al., Proceedings of the 2005 Georgia Water Resources Conference, held April 25-27, 2005, at The University of Georgia. Kathryn J. Hatcher, editor, Institute of Ecology, The University of Georgia, Athens, Georgia

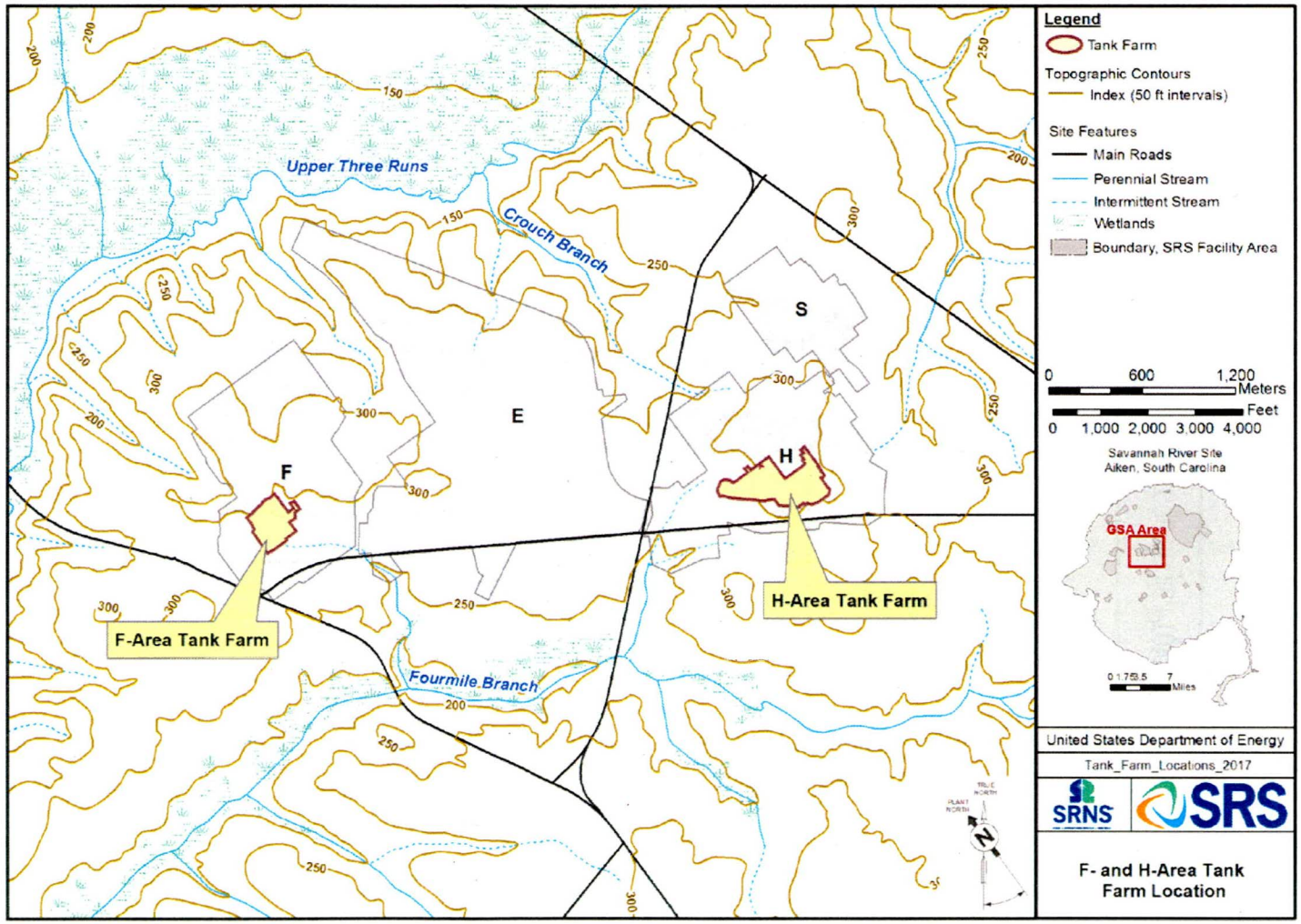

Figure 1. Locations of the F-Area and H-Area Tank Farms

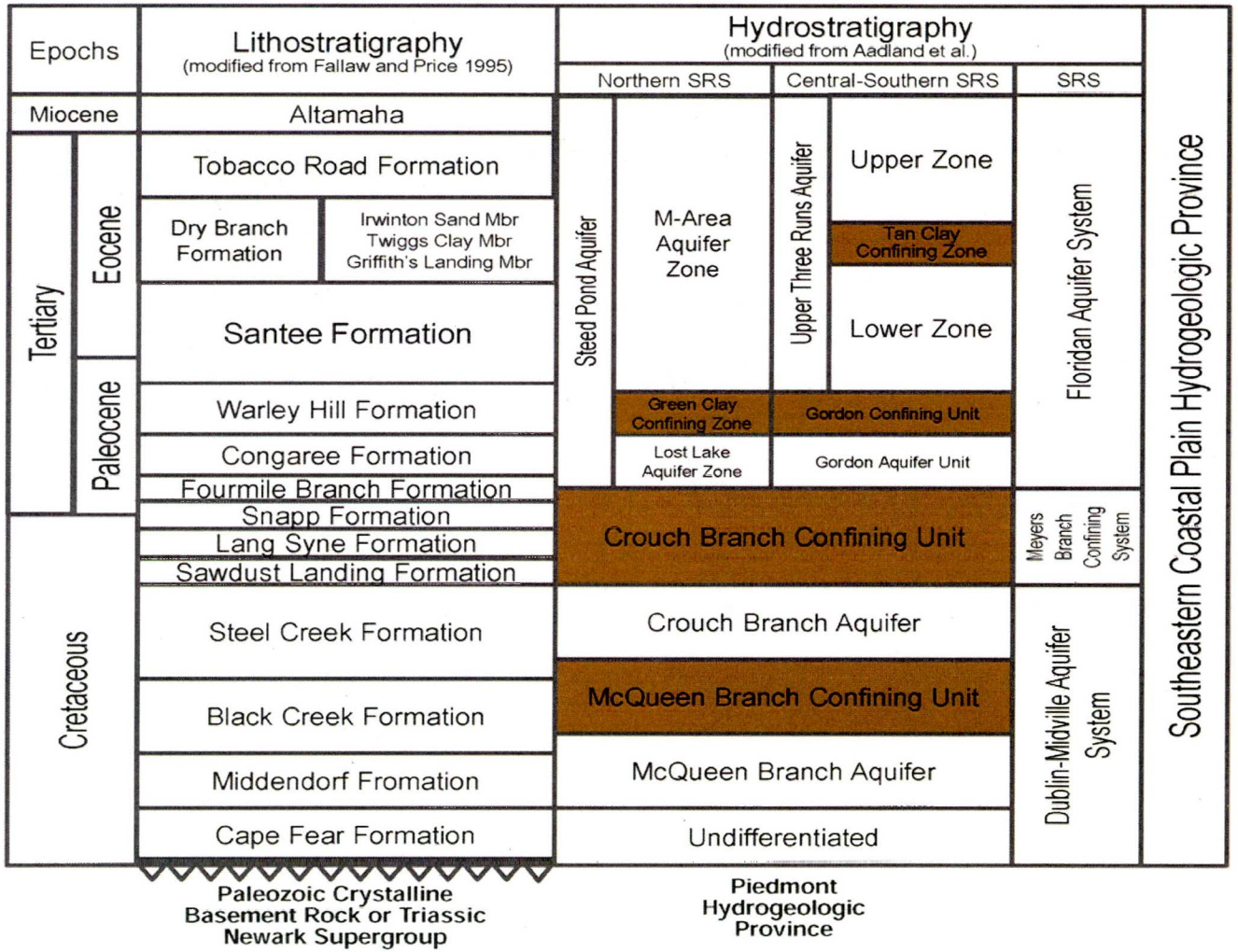

Figure 2. Lithostratigraphic and Hydrostratigraphic Units at the F-Area and H-Area Tank Farms

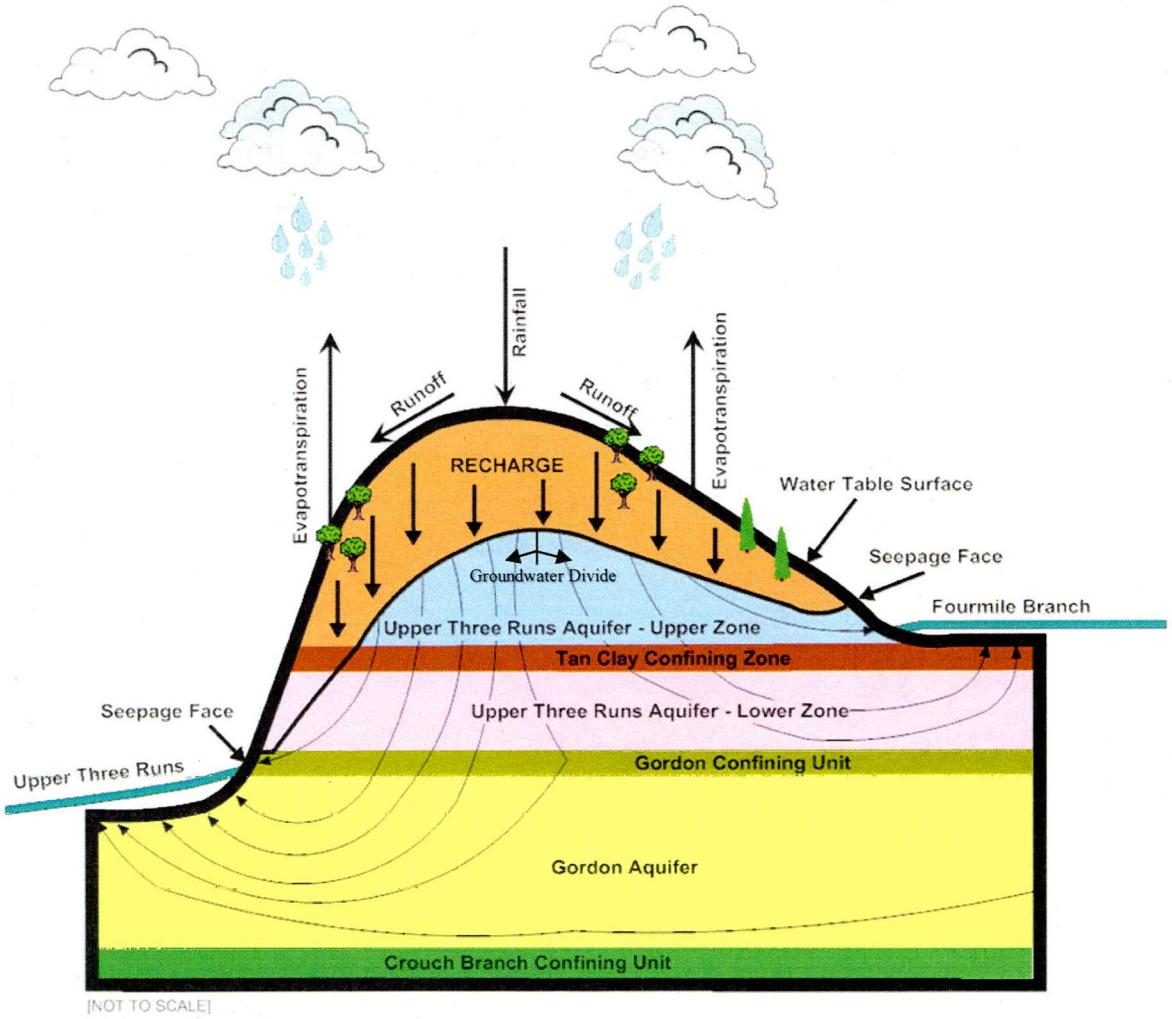

Figure 3. Surface and Groundwater Flow at the General Separations Area

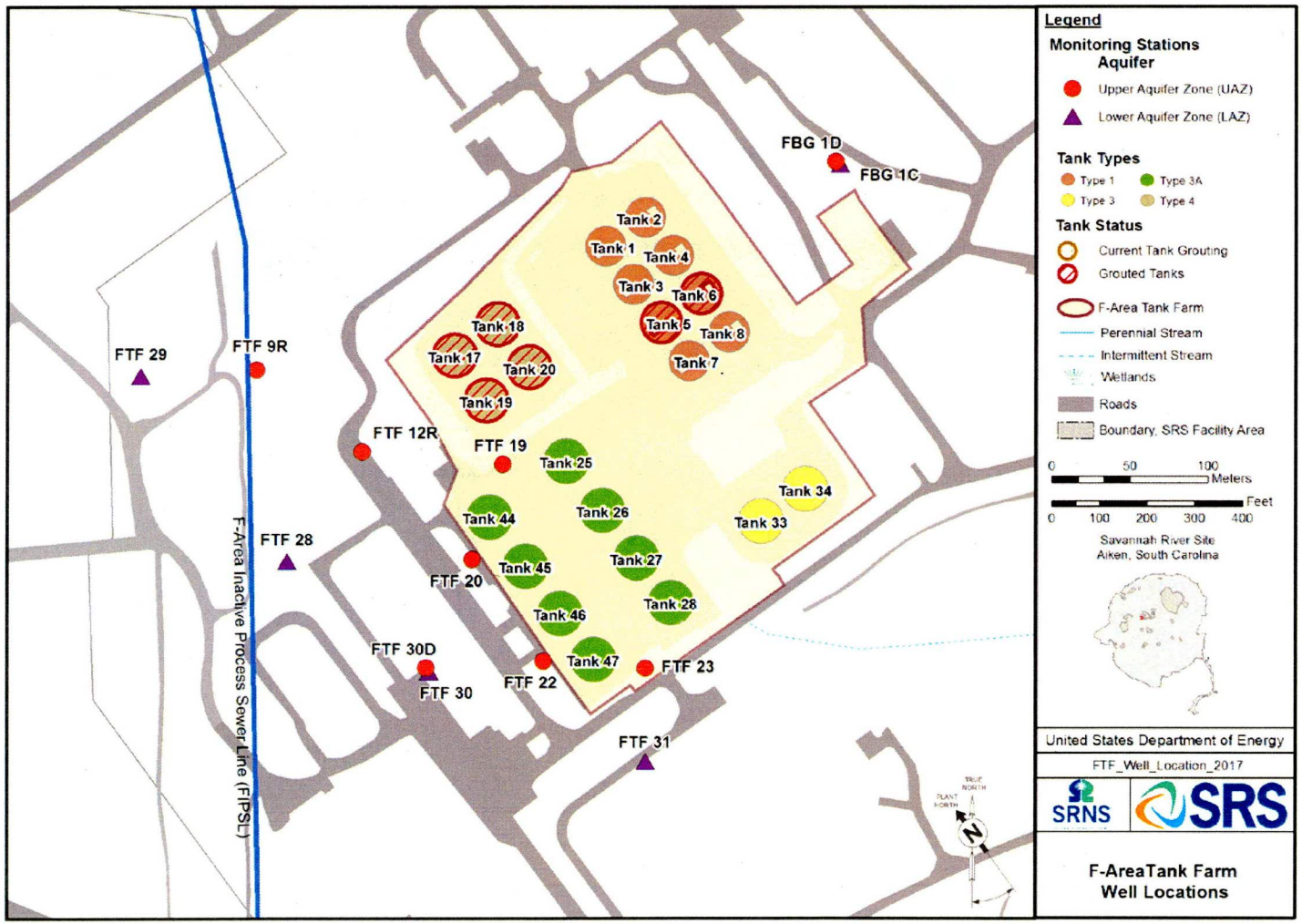

Figure 4. Location of Wells for the FTF Groundwater Monitoring Network

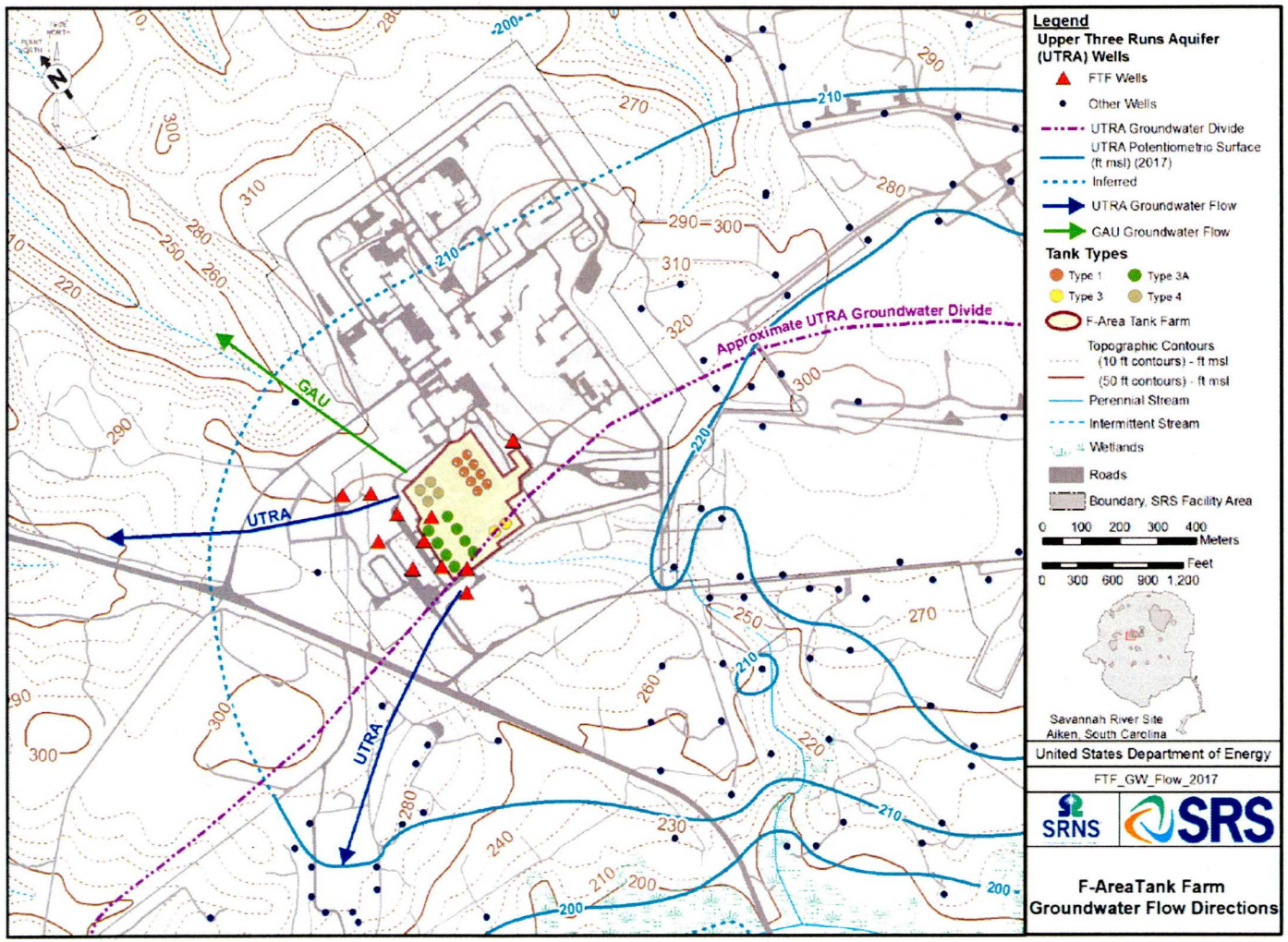

Figure 5. Potentiometric Surface and Groundwater Flow Directions at the FTF

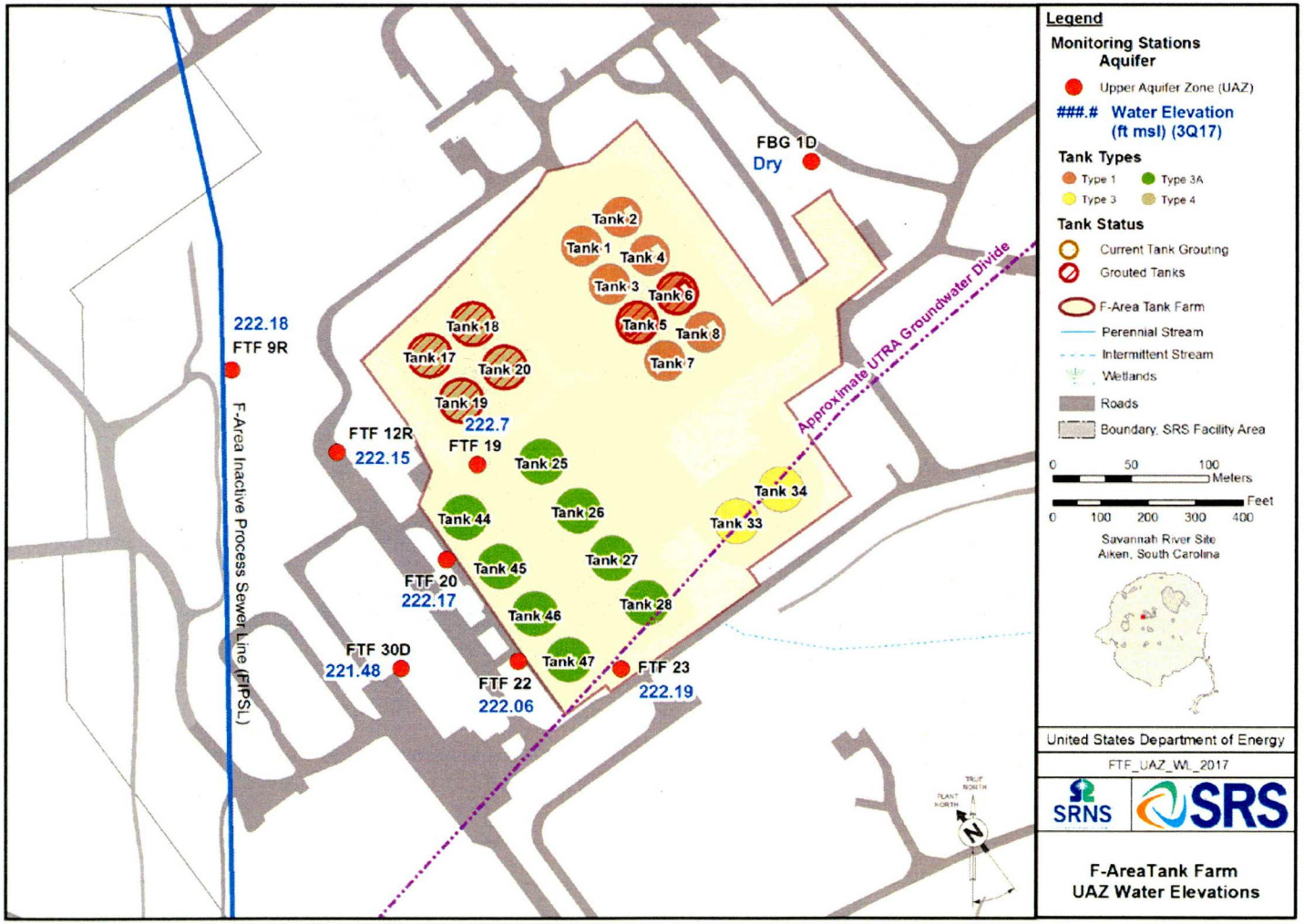

Figure 6. Water Elevation (ft msl) for the UAZ of the UTRA during the Third Quarter of 2017

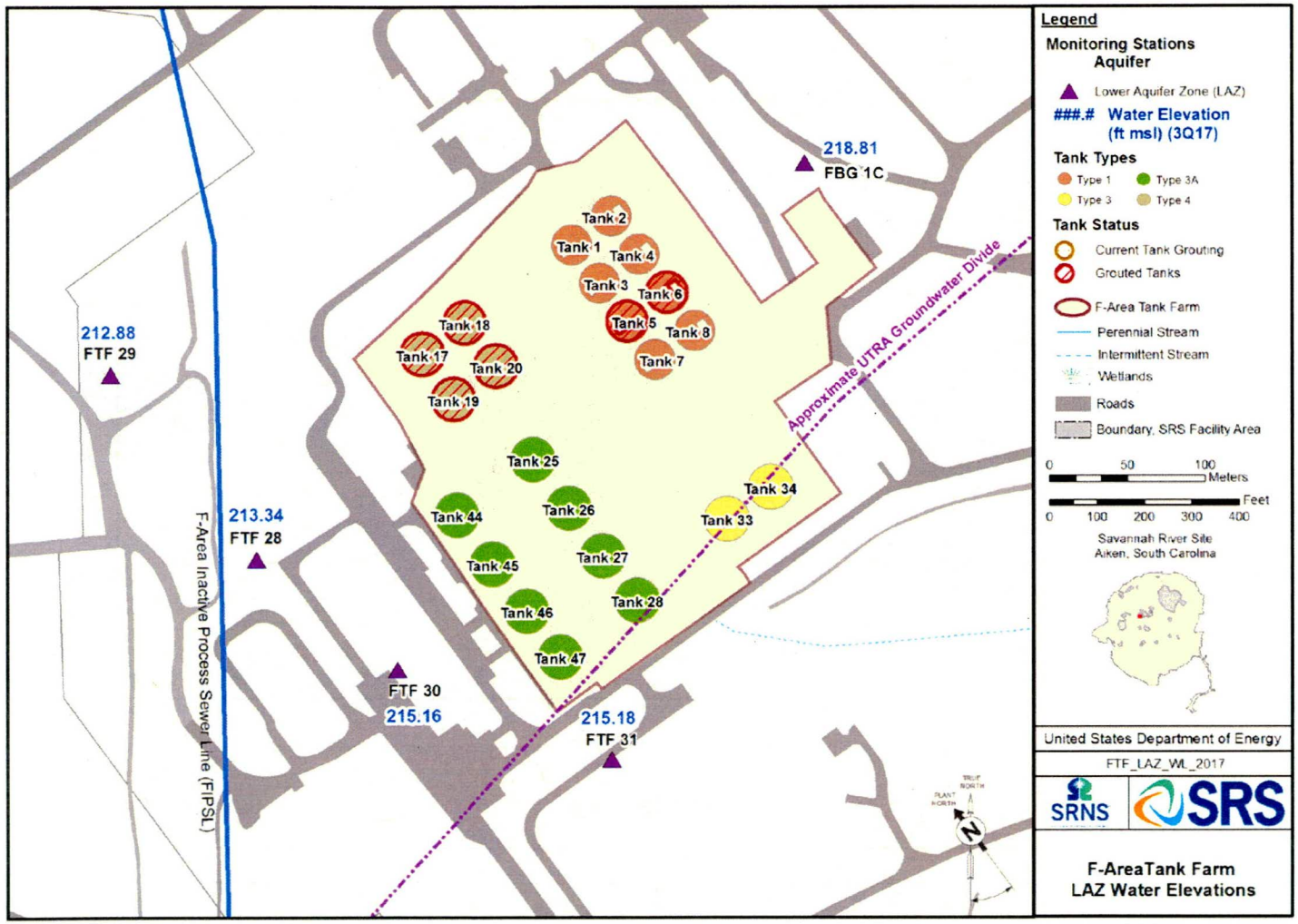

Figure 7. Water Elevation (ft msl) for the LAZ of the UTRA during the Third Quarter of 2017

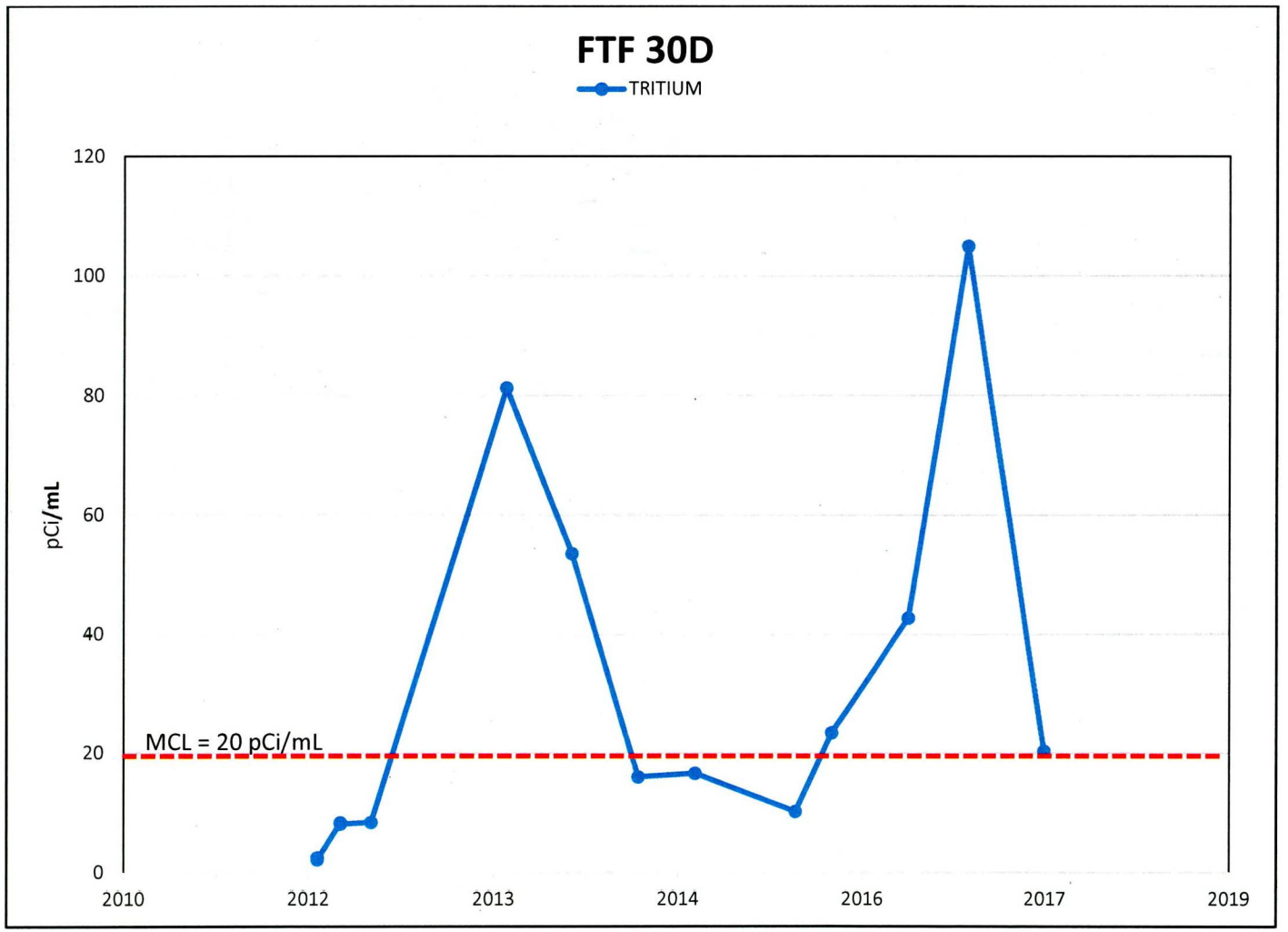

Figure 8. Tritium Results (pCi/mL) for FTF 30D

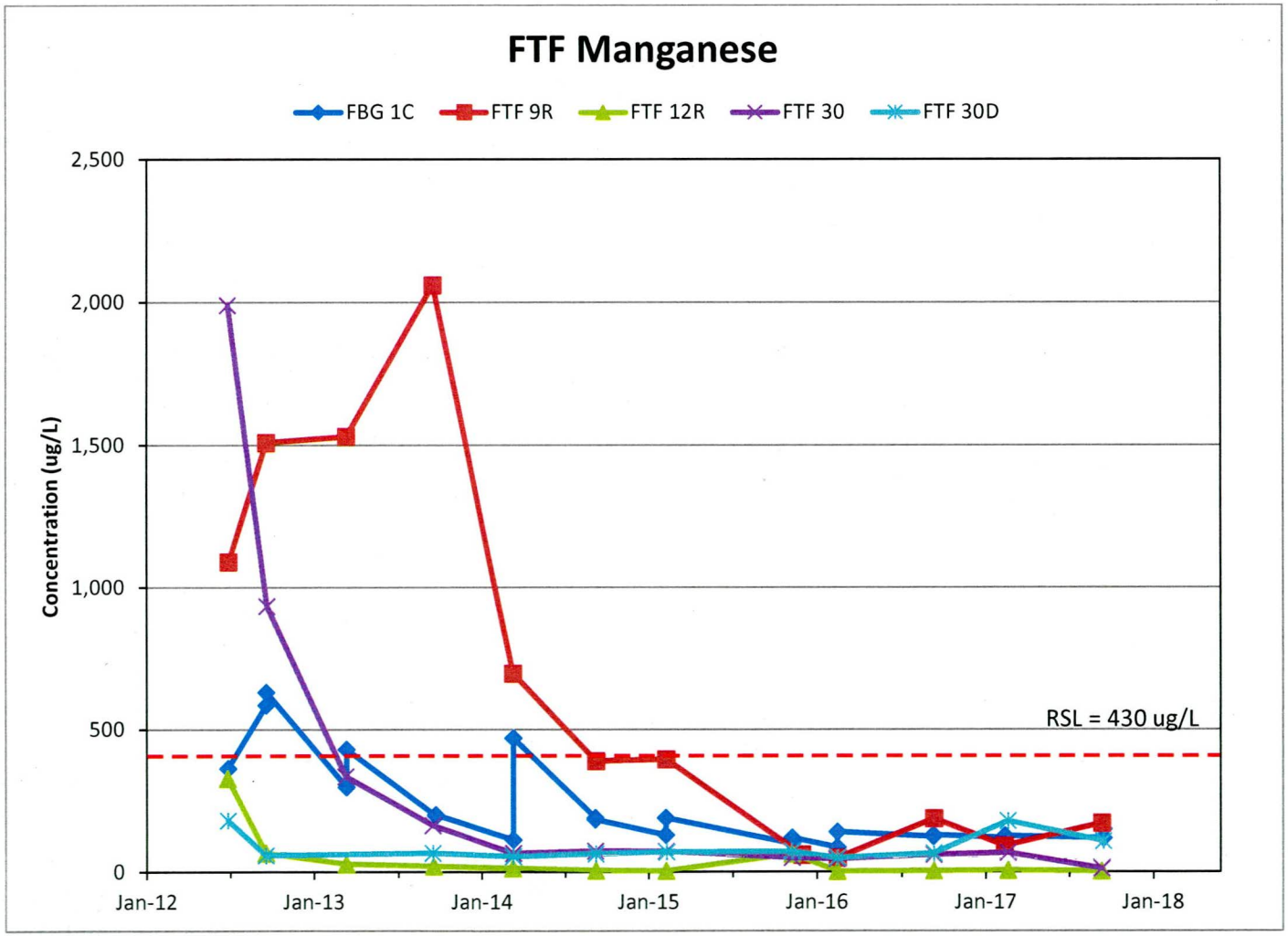

Figure 9. Manganese Concentrations in Wells at F-Tank Farm

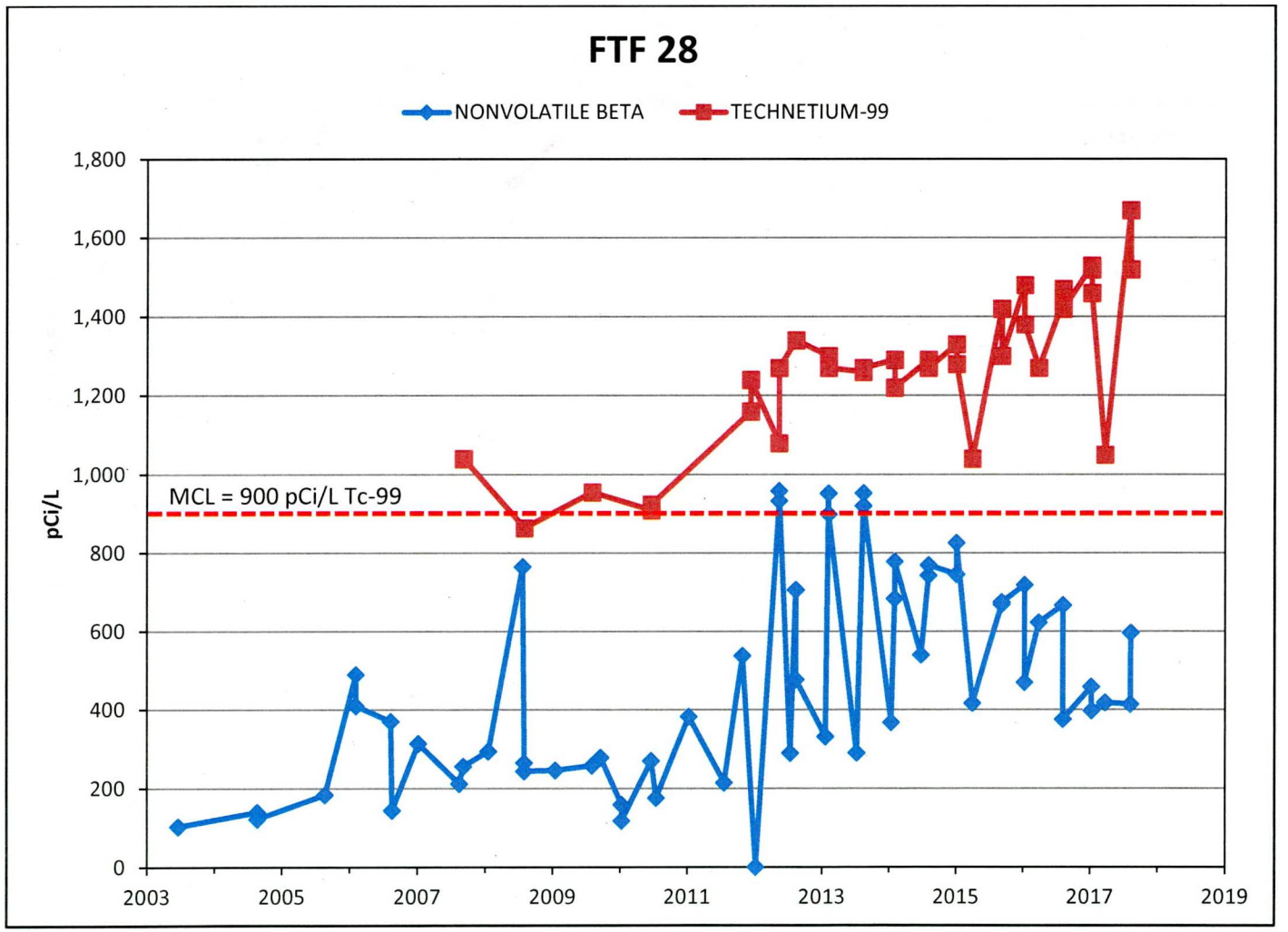

Figure 10. Nonvolatile Beta and Technetium-99 Concentrations for FTF 28

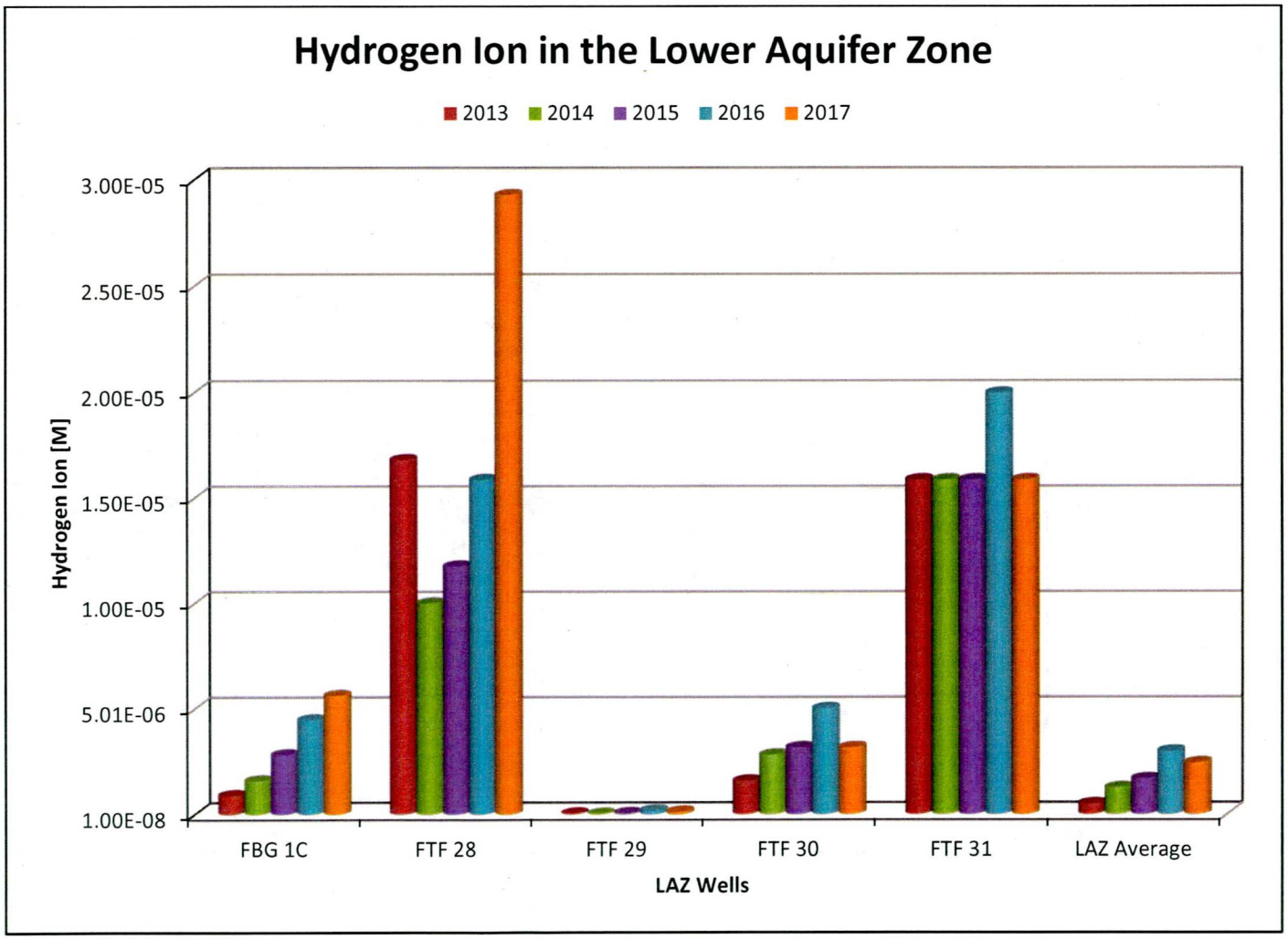

Figure 11. Hydrogen Ion in the LAZ at FTF

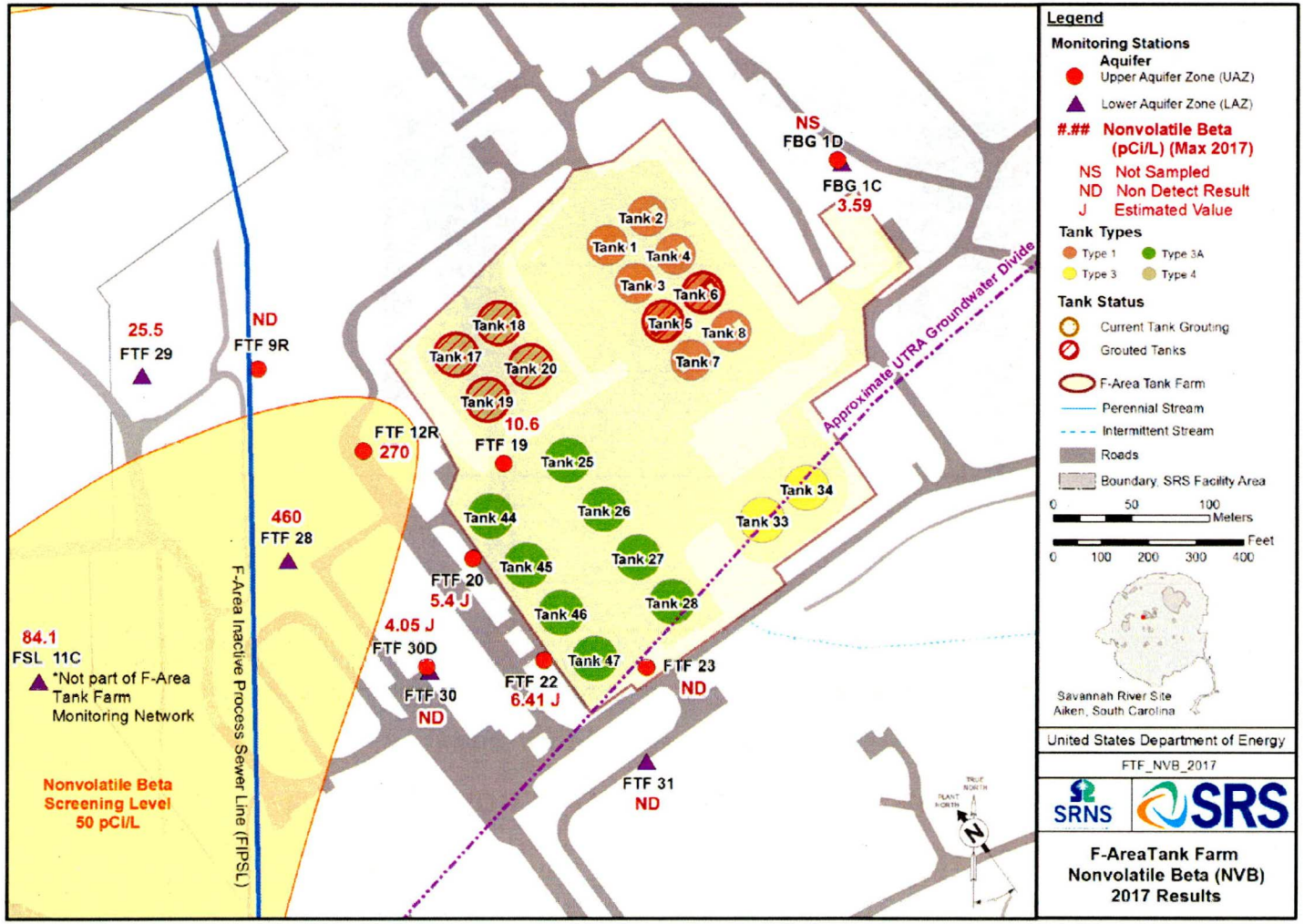

Figure 12. Nonvolatile Beta Results (pCi/L) for the FTF in 2017

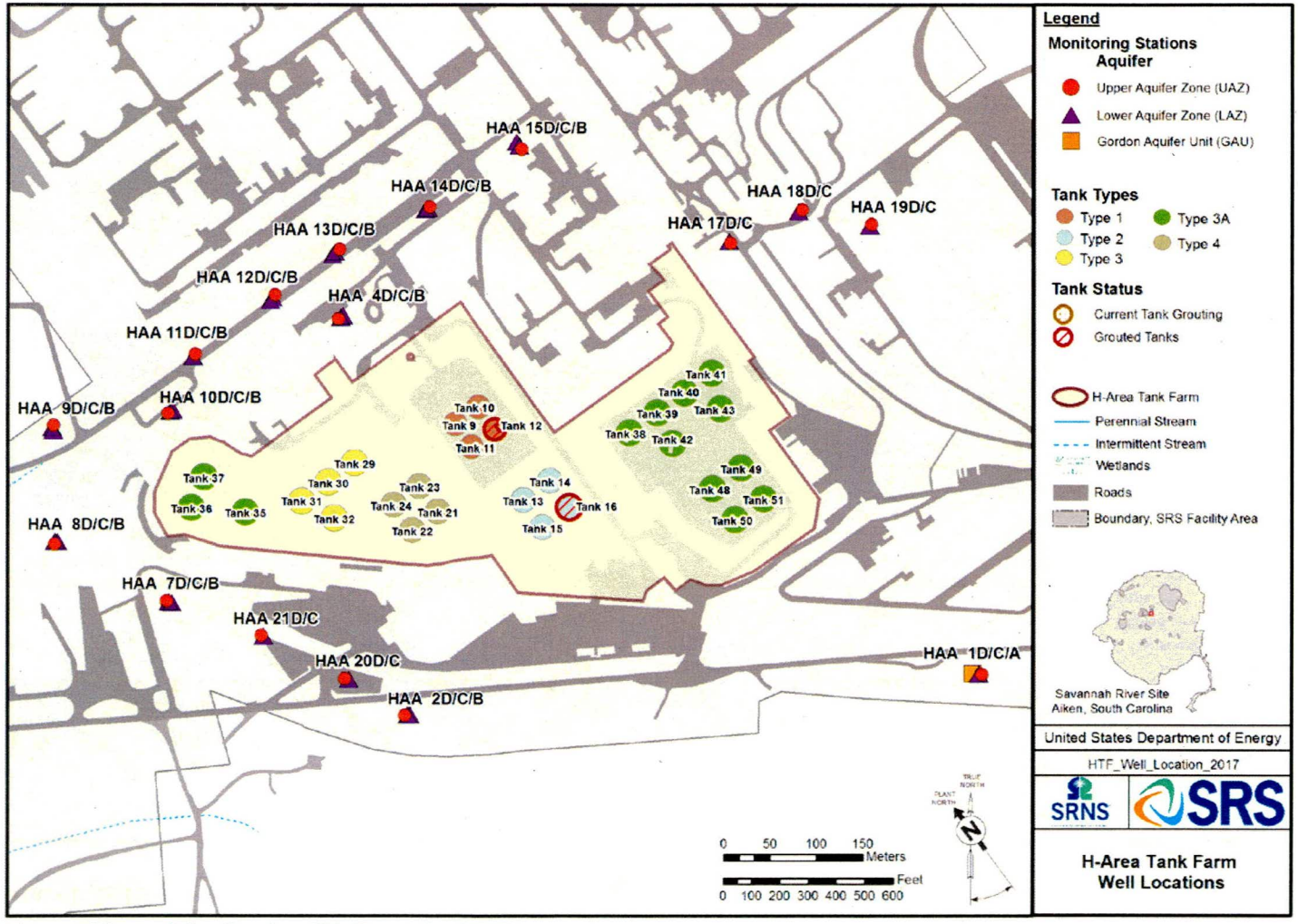

Figure 13. Monitoring Wells at the HTF

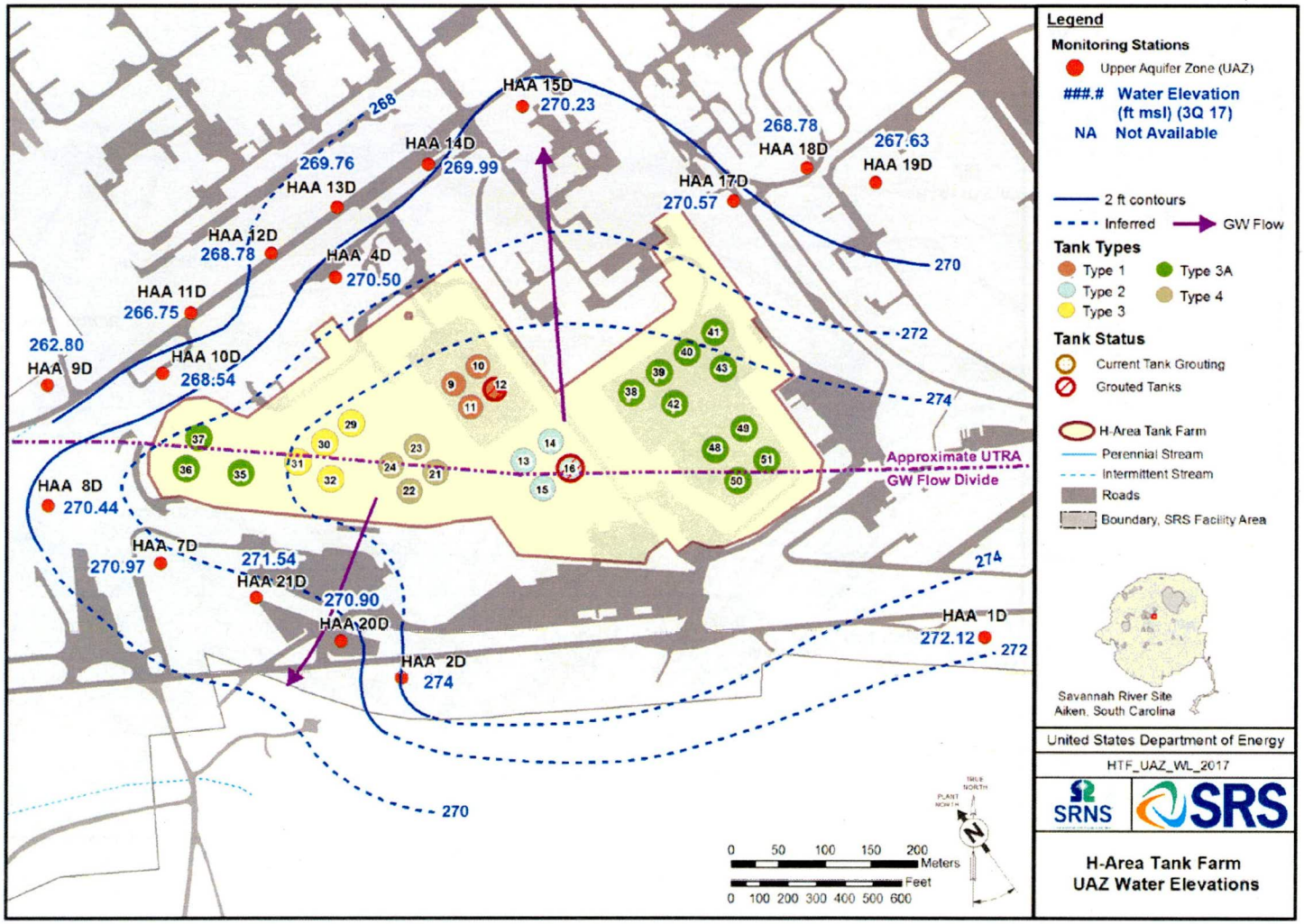

Figure 14. Water Elevation (ft above msl) for the UAZ of the UTRA during the Third Quarter of 2017

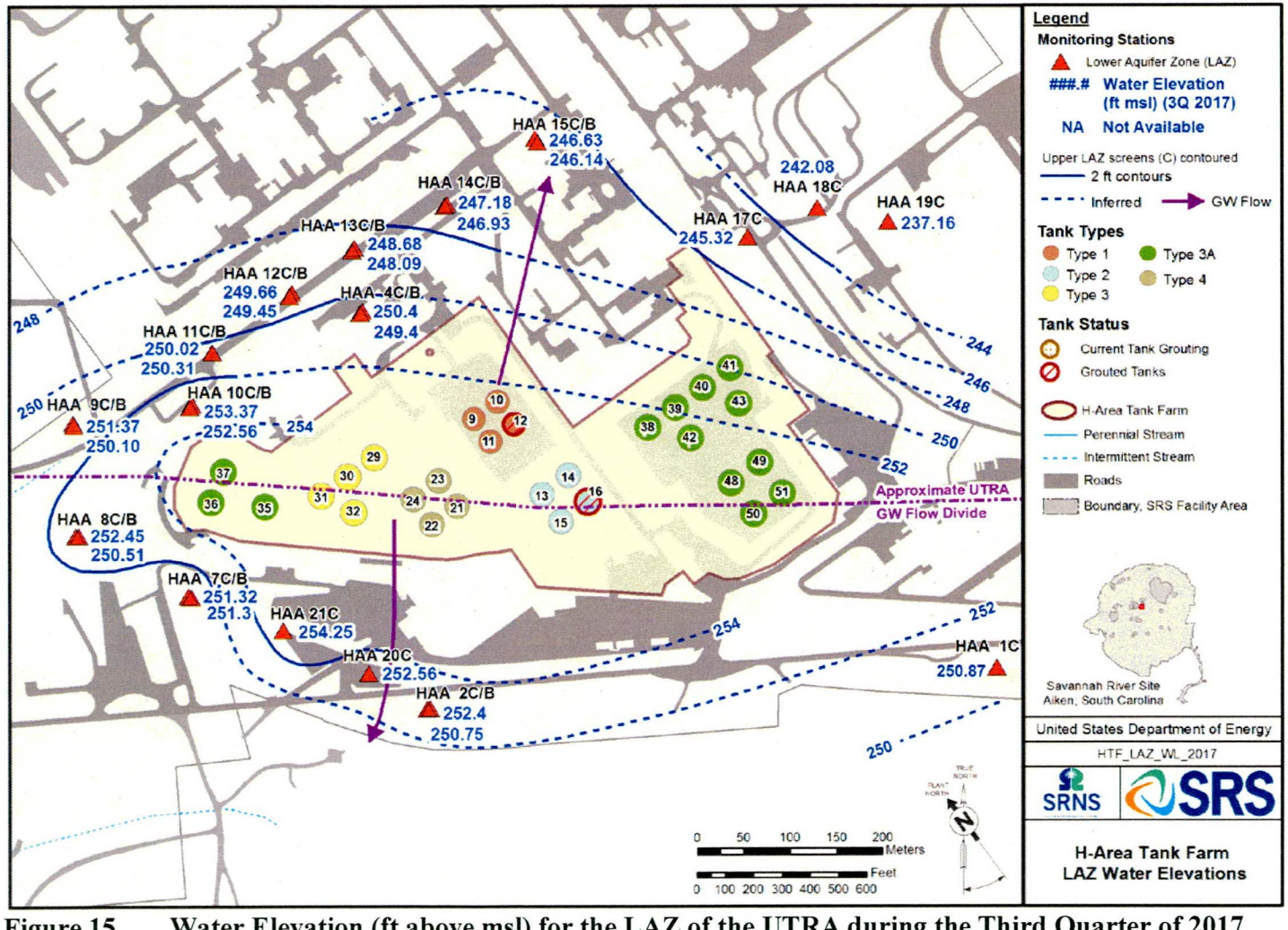

Figure 15. Water Elevation (ft above msl) for the LAZ of the UTRA during the Third Quarter of 2017

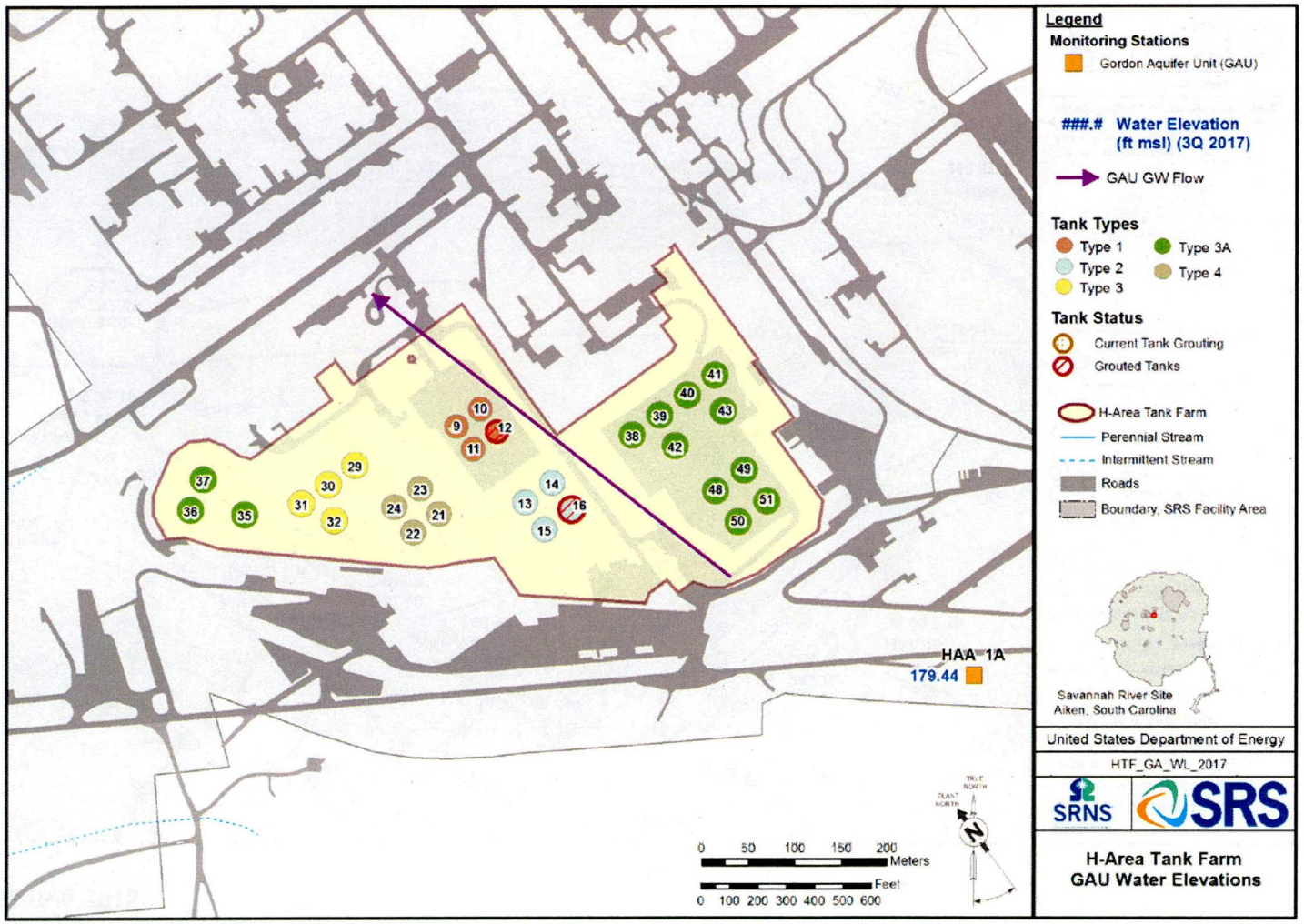

Figure 16. Water Elevation (ft above msl) for the GAU during the Third Quarter of 2017

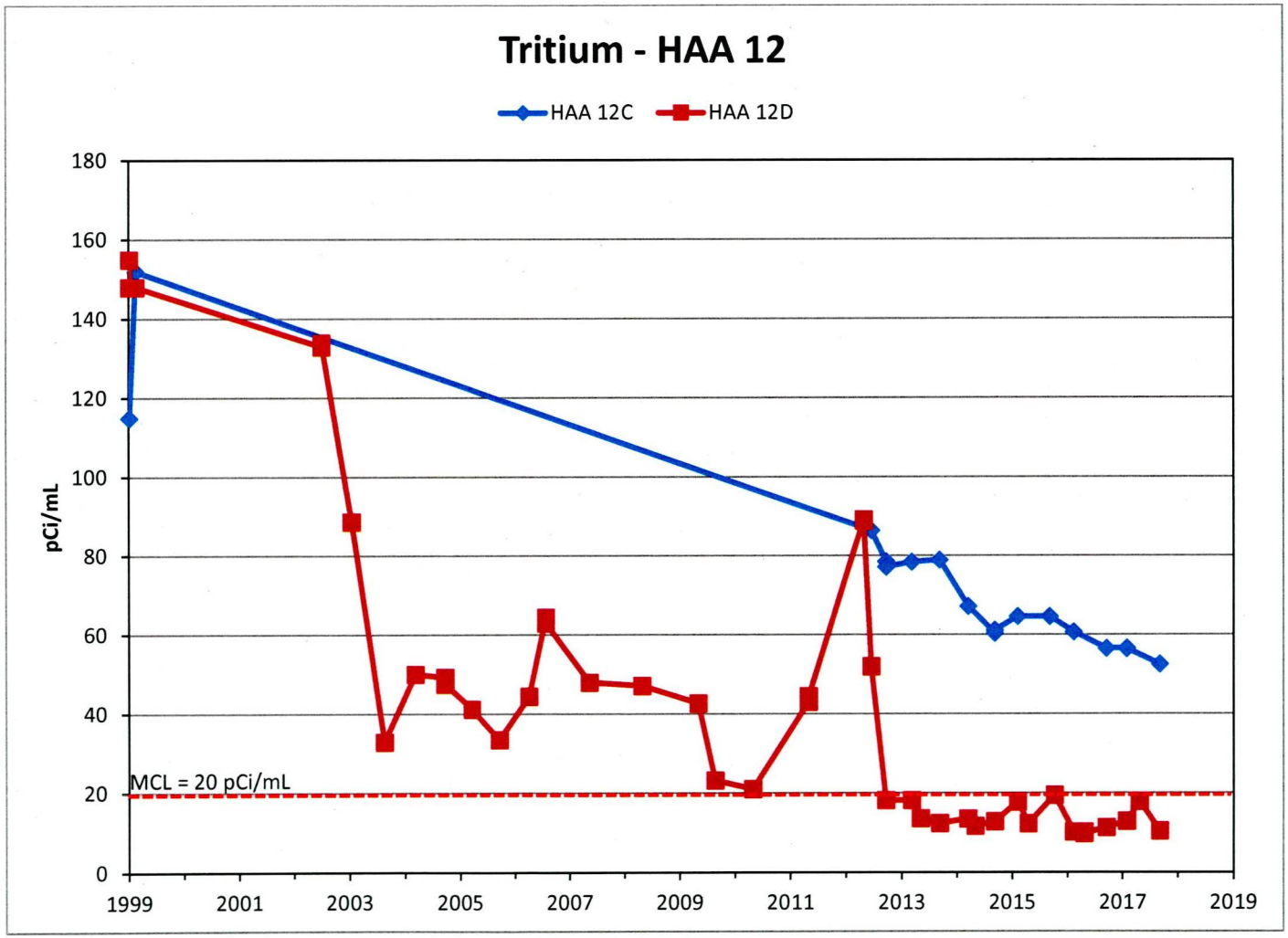

Figure 17. Tritium Results (pCi/mL) for HAA 12 Wells

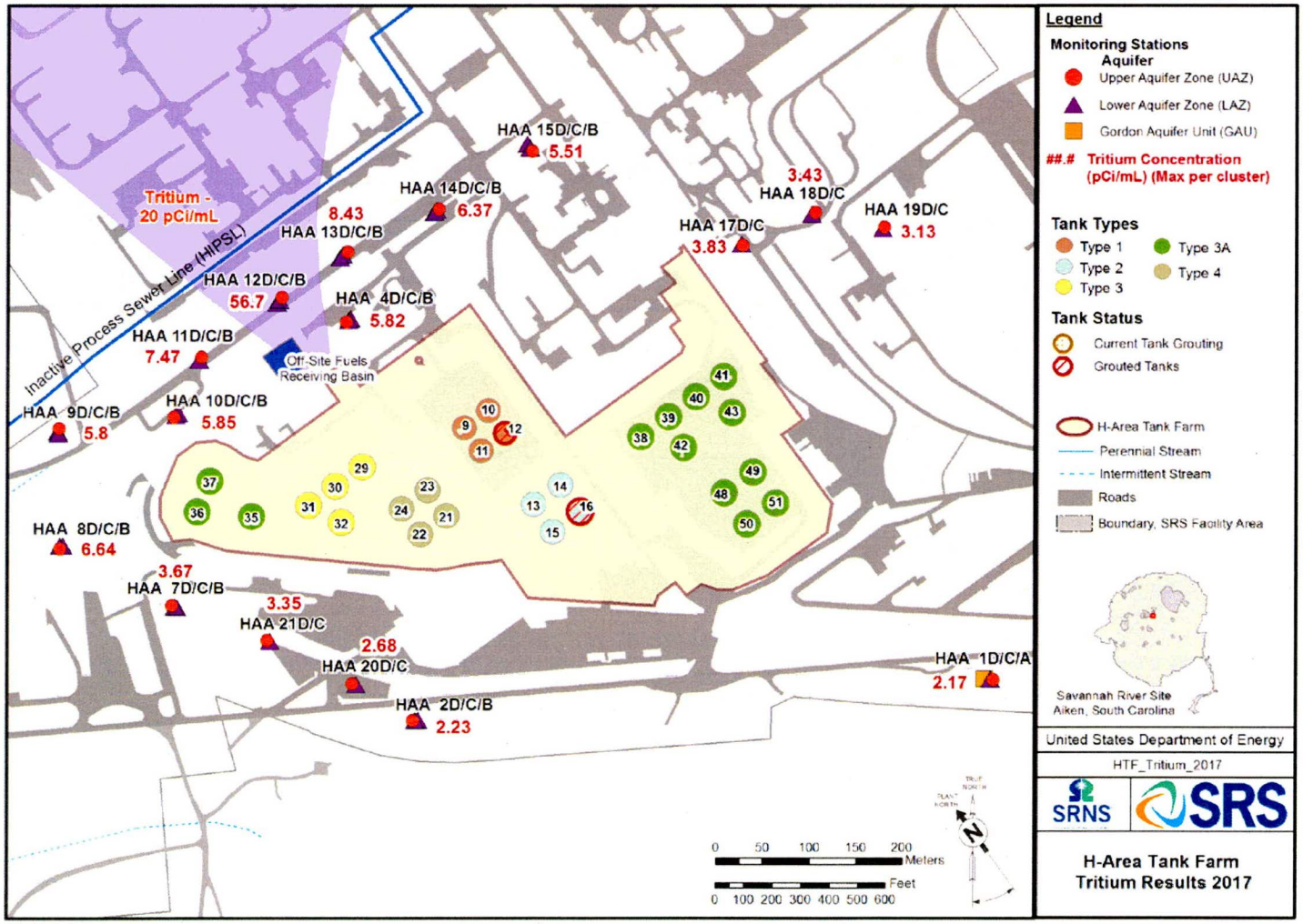

Figure 18. 2017 Tritium Results (pCi/mL) for the UTRA at the HTF

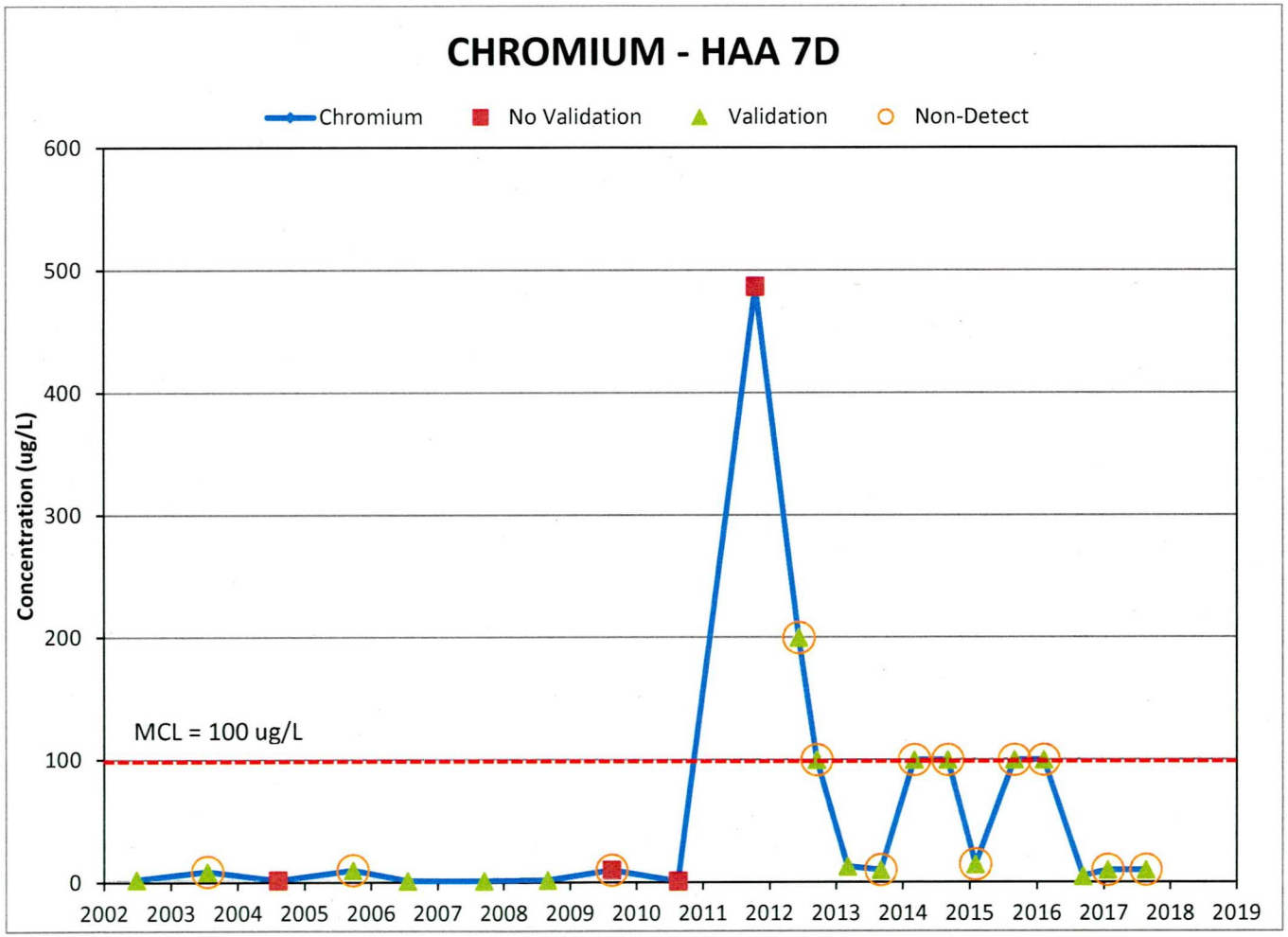

Figure 19. Chromium Results (µg/L) for Well HAA 7D

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

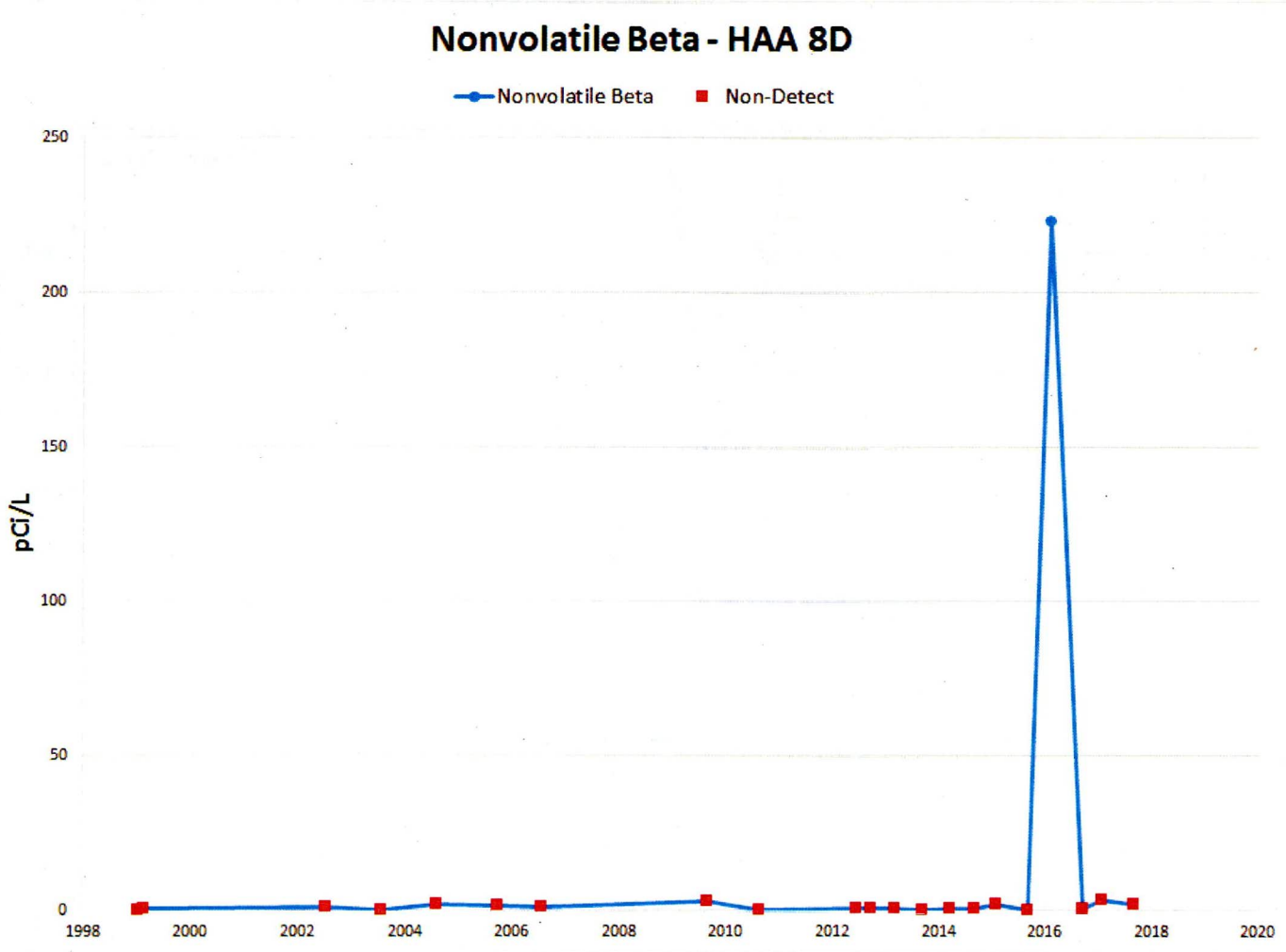

Figure 20. Nonvolatile Beta Concentrations for HAA 8D (pCi/L)

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 2017 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	28	0	28	3.1 mg/L	7.9 mg/L	10 mg/L	0
Cadmium	28	22	2	0.6 µg/L	0.8 µg/L	5 µg/L	0
Chromium	28	13	1	6.7 µg/L	19.2	100 µg/L	0
Manganese	28	1	25	56.16 µg/L	179 µg/L	430 µg/L	0
Sodium	28	0	24	5,945 µg/L	12,000 µg/L	NA	NA
Gross Alpha	30	16	1	5.4 pCi/L	15.4 pCi/L	15 pCi/L	1
Nonvolatile Beta	30	12	8	131 pCi/L	598 pCi/L	50 pCi/L	6[f]
Tritium	30	0	26	6.1 pCi/mL	105 pCi/mL	20 pCi/mL	2[f]
Technetium-99	17	4	9	727 pCi/L	1,670 pCi/L	900 pCi/L	5[f]

a. Includes regular, duplicate, and split samples
b. Number of results > SQL and unqualified, 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), Tritium > MCL at one well (FTF 30D), 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. Number of results > SQL and unqualified, 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 2017 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	104	1.04 mg/L	7.43 mg/L	10 mg/L	0
Cadmium	100	97	0	0.43 µg/L	0.519 J µg/L	5 µg/L	0
Chromium	100	39	5	6.13 µg/L	25.9 µg/L	100 µg/L	0
Manganese	100	25	40	32.1 µg/L	370 µg/L	430 µg/L	0
Sodium	100	0	100	3,469 µg/L	14,700 µg/L	NA	NA
Gross Alpha	106	87	1	4.4 pCi/L	16.9 pCi/L	15 pCi/L	1
Nonvolatile Beta	106	85	4	5.7 pCi/L	28.9 pCi/L	50 pCi/L	0
Tritium	108	35	53	5.4 pCi/mL	56.7 pCi/mL	20 pCi/mL	3[f]
Technetium-99	109	101	1	7.98 pCi/L	11.7 pCi/L	900 pCi/L	0

a. Includes regular, duplicate, and split samples
b. Number of results > SQL and unqualified, 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. Number of results > SQL and unqualified, 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

2017 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 supersede 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	2/13/2017	ACTINIUM-228	24[b]	4.05	pCi/L	U	U	18.8	44.8
FTF012R	9/14/2017	ACTINIUM-228	24[b]	2.72	pCi/L	U	U	9.58	19.6
FTF 28	2/13/2017	ACTINIUM-228	24[b]	1.1	pCi/L	U	U	14.3	42.5
FTF 28	9/13/2017	ACTINIUM-228	24[b]	0.332	pCi/L	U	U	7.41	24.8
FTF 28	2/13/2017	ACTINIUM-228	24[b]	-4.45	pCi/L	U	U	22.5	47.9
FTF012R	9/14/2017	ACTINIUM-228	24[b]	-7.68	pCi/L	U	U	8.71	23.4
FTF 28	9/13/2017	ACTINIUM-228	24[b]	-8.88	pCi/L	U	U	6.94	26.1
FTF012R	2/21/2017	ACTINIUM-228	24[b]	-13.2	pCi/L	U	U	21.1	49.5
FTF012R	2/21/2017	AMERICIUM-241	15	0.0409	pCi/L	U	U	0.274	0.566
FTF012R	2/21/2017	AMERICIUM-241	15	0.0377	pCi/L	U	U	0.164	0.345
FTF012R	9/14/2017	AMERICIUM-241	15	0.0264	pCi/L	U	U	0.0792	0.228
FTF012R	2/21/2017	AMERICIUM-243	15	0.0367	pCi/L	U	U	0.106	0.236
FTF012R	9/14/2017	AMERICIUM-243	15	0.0106	pCi/L	U	U	0.113	0.231
FTF012R	2/21/2017	AMERICIUM-243	15	-0.0527	pCi/L	U	U	0.16	0.249
FTF012R	2/21/2017	BISMUTH-214		263	pCi/L			9.11	49.1
FTF 28	2/13/2017	BISMUTH-214		115	pCi/L			7.54	34.3
FTF 28	2/13/2017	BISMUTH-214		96.7	pCi/L			9.6	43.4
FTF 28	2/13/2017	BISMUTH-214		94.2	pCi/L			6.98	28.2
FTF012R	9/14/2017	BISMUTH-214		2.77	pCi/L	U	U	5.23	15.5
FTF 28	9/13/2017	BISMUTH-214		2.01	pCi/L	U	U	3.08	11.8
FTF 28	9/13/2017	BISMUTH-214		0.51	pCi/L	U	U	3.62	15.3
FTF012R	9/14/2017	BISMUTH-214		-1.25	pCi/L	U	U	5.05	15.7
FTF031	2/21/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF012R	2/21/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF009R	2/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 29	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 23	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 22	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 20	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 19	2/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030D	9/18/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF031	9/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030	9/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF009R	9/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF012R	9/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 29	9/14/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 23	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 22	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 20	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 19	9/13/2017	CADMIUM	5	1	ug/L	U	U	0.3	1
FBG001C	9/18/2017	CADMIUM	5	0.79	ug/L			0.2	0.5
FBG001C	2/14/2017	CADMIUM	5	0.71	ug/L			0.2	0.5
FBG001C	2/14/2017	CADMIUM	5	0.658	ug/L	J	J	0.3	1
FBG001C	9/18/2017	CADMIUM	5	0.623	ug/L	J	J	0.3	1
FTF030	2/21/2017	CADMIUM	5	0.369	ug/L	J	J	0.3	1
FTF030D	2/21/2017	CADMIUM	5	0.34	ug/L	J	J	0.3	1
FTF 28	2/13/2017	CARBON-14	2000	5.67	pCi/L	U	U	7.46	16.4
FTF012R	2/21/2017	CARBON-14	2000	5.59	pCi/L	U	U	6.73	14.8
FTF 28	2/13/2017	CARBON-14	2000	3.39	pCi/L	U	U	7.52	16.4
FTF 28	9/13/2017	CARBON-14	2000	2.74	pCi/L	U	U	8.34	18.2
FTF012R	9/14/2017	CARBON-14	2000	0.93	pCi/L	U	U	8.27	18
FTF 28	2/13/2017	CARBON-14	2000	0.803	pCi/L	U	U	7.49	16.3
FTF012R	9/14/2017	CARBON-14	2000	-0.782	pCi/L	U	U	8.32	18
FTF 28	9/13/2017	CARBON-14	2000	-3.08	pCi/L	U	U	8.38	18
FTF012R	2/21/2017	CESIUM-137	200	1.93	pCi/L	U	U	4.92	11.5
FTF 28	9/13/2017	CESIUM-137	200	0.207	pCi/L	U	U	1.82	3.9
FTF012R	9/14/2017	CESIUM-137	200	0.177	pCi/L	U	U	2.05	4.35
FTF012R	9/14/2017	CESIUM-137	200	-0.0459	pCi/L	U	U	2.15	4.51
FTF 28	9/13/2017	CESIUM-137	200	-0.344	pCi/L	U	U	1.44	3.15
FTF 28	2/13/2017	CESIUM-137	200	-0.815	pCi/L	U	U	2.87	6.25
FTF 28	2/13/2017	CESIUM-137	200	-1.8	pCi/L	U	U	5.1	11.9
FTF 28	2/13/2017	CESIUM-137	200	-3.89	pCi/L	U	U	3.98	9.6
FTF030D	2/21/2017	CHROMIUM	100	19.2	ug/L			3	10
FBG001C	2/14/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FBG001C	2/14/2017	CHROMIUM	100	10	ug/L	U	U	4	10
FTF031	2/21/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF009R	2/14/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF030	2/21/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 29	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 23	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10

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	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 20	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 19	2/13/2017	CHROMIUM	100	10	ug/L	U	U	3	10
FBG001C	9/18/2017	CHROMIUM	100	10	ug/L	U	U	4	10
FTF012R	9/14/2017	CHROMIUM	100	9.5	ug/L	J	J	3	10
FTF030	9/14/2017	CHROMIUM	100	8.68	ug/L	J	J	3	10
FTF 20	9/13/2017	CHROMIUM	100	6.89	ug/L	J	J	3	10
FTF 23	9/13/2017	CHROMIUM	100	6.77	ug/L	J	J	3	10
FTF 28	9/13/2017	CHROMIUM	100	6.66	ug/L	J	J	3	10
FTF031	9/14/2017	CHROMIUM	100	6.4	ug/L	J	J	3	10
FTF012R	2/21/2017	CHROMIUM	100	5.86	ug/L	J	J	3	10
FTF 28	9/13/2017	CHROMIUM	100	5.64	ug/L	J	J	3	10
FTF009R	9/14/2017	CHROMIUM	100	5.37	ug/L	J	J	3	10
FTF030D	9/18/2017	CHROMIUM	100	4.76	ug/L	J	J	3	10
FTF 19	9/13/2017	CHROMIUM	100	4.37	ug/L	J	J	3	10
FTF 22	9/13/2017	CHROMIUM	100	3.98	ug/L	J	J	3	10
FBG001C	9/18/2017	CHROMIUM	100	3.55	ug/L	J	J	3	10
FTF 29	9/14/2017	CHROMIUM	100	3.52	ug/L	J	J	3	10
FTF 28	2/13/2017	COBALT-60	100	2.78	pCi/L	U	U	4.75	9.71
FTF 28	2/13/2017	COBALT-60	100	1.79	pCi/L	U	U	3.18	6.24
FTF 28	2/13/2017	COBALT-60	100	1.21	pCi/L	U	U	5.51	11
FTF012R	9/14/2017	COBALT-60	100	0.516	pCi/L	U	U	2.22	4.52
FTF012R	9/14/2017	COBALT-60	100	0.436	pCi/L	U	U	2.82	5.64
FTF 28	9/13/2017	COBALT-60	100	-0.00116	pCi/L	U	U	1.78	3.72
FTF 28	9/13/2017	COBALT-60	100	-0.34	pCi/L	U	U	1.7	3.66
FTF012R	2/21/2017	COBALT-60	100	-0.413	pCi/L	U	U	4.42	9.02
FTF012R	2/21/2017	CURIUM-242	15	0	pCi/L	U	U	0.0562	0.132
FTF012R	2/21/2017	CURIUM-242	15	0	pCi/L	U	U	0.0479	0.112
FTF012R	9/14/2017	CURIUM-242	15	0	pCi/L	U	U	0.0689	0.162
FTF012R	2/21/2017	CURIUM-243/244	15	0.0485	pCi/L	U	U	0.0843	0.224
FTF012R	2/21/2017	CURIUM-243/244	15	-0.00897	pCi/L	U	U	0.104	0.183
FTF012R	9/14/2017	CURIUM-243/244	15	-0.0125	pCi/L	U	U	0.144	0.255
FTF012R	2/21/2017	CURIUM-245/246	15	0.0166	pCi/L	U	U	0.0499	0.144
FTF012R	2/21/2017	CURIUM-245/246	15	0	pCi/L	U	U	0.0589	0.138
FTF012R	9/14/2017	CURIUM-245/246	15	0	pCi/L	U	U	0.0712	0.167
FTF 28	**9/13/2017**	**GROSS ALPHA**	**15**	**15.4**	**pCi/L**		**J**	**2.48**	**10.2**
FTF 20	9/13/2017	GROSS ALPHA	15	9.47	pCi/L			2.36	8.78
FTF 19	9/13/2017	GROSS ALPHA	15	6.73	pCi/L	J	J	2.98	8.84
FTF030D	2/21/2017	GROSS ALPHA	15	6.62	pCi/L	J	J	2.35	9.13
FTF 20	2/13/2017	GROSS ALPHA	15	6.38	pCi/L	J	J	2.31	8.86
FTF 23	2/13/2017	GROSS ALPHA	15	4.71	pCi/L	J	J	2.27	7.89
FTF 23	9/13/2017	GROSS ALPHA	15	3.94	pCi/L	J	J	2.17	6.03
FTF012R	9/14/2017	GROSS ALPHA	15	3.86	pCi/L	J	J	2.48	7.06
FTF012R	2/21/2017	GROSS ALPHA	15	3.77	pCi/L	J	J	2.83	6.99
FTF 22	9/13/2017	GROSS ALPHA	15	3.59	pCi/L	J	J	2.57	6.77
FTF 19	2/13/2017	GROSS ALPHA	15	3.54	pCi/L	J	J	2.27	7.21
FTF 22	2/13/2017	GROSS ALPHA	15	3.21	pCi/L	J	J	2.31	7.07
FTF030D	9/18/2017	GROSS ALPHA	15	2.72	pCi/L	J	J	2.2	5.64
FTF 29	9/14/2017	GROSS ALPHA	15	2.66	pCi/L	U	U	2.81	7.61
FBG001C	2/14/2017	GROSS ALPHA	15	2.06	pCi/L	J	J	1.09	2.888
FTF 28	2/13/2017	GROSS ALPHA	15	1.7	pCi/L	U	U	1.9	4.8
FTF030	2/21/2017	GROSS ALPHA	15	1.25	pCi/L	U	U	2.26	5.48
FBG001C	2/14/2017	GROSS ALPHA	15	1.21	pCi/L	U	U	2.27	5.4
FBG001C	9/18/2017	GROSS ALPHA	15	1.05	pCi/L	U	U	2.45	5.29
FBG001C	9/18/2017	GROSS ALPHA	15	0.956	pCi/L	U	U	1	2.39
FTF030	9/14/2017	GROSS ALPHA	15	0.944	pCi/L	U	U	2.4	5.16
FBG001C	2/14/2017	GROSS ALPHA	15	0.8737	pCi/L	U	U	1.39	3.12
FTF 28	9/13/2017	GROSS ALPHA	15	0.649	pCi/L	U	UJ	2.47	5.21
FTF009R	9/14/2017	GROSS ALPHA	15	0.516	pCi/L	U	U	1.41	2.99
FTF031	2/21/2017	GROSS ALPHA	15	0.467	pCi/L	U	U	2.26	4.57
FTF 29	2/13/2017	GROSS ALPHA	15	0.452	pCi/L	U	U	2.4	4.75
FTF009R	2/14/2017	GROSS ALPHA	15	0.417	pCi/L	U	U	2.21	4.37
FTF 28	2/13/2017	GROSS ALPHA	15	0.246	pCi/L	U	U	2.07	4.71
FTF030	9/14/2017	GROSS ALPHA	15	-0.049	pCi/L	U	U	1.86	3.29
FTF031	9/14/2017	GROSS ALPHA	15	-0.148	pCi/L	U	U	2.3	4.18
FTF012R	**9/14/2017**	**IODINE-129**	**1**	**2.51**	**pCi/L**	**J**	**J**	**1.41**	**4.2**
FTF009R	**2/14/2017**	**IODINE-129**	**1**	**2.32**	**pCi/L**	**J**	**J**	**0.99**	**4.65**
FTF030	**2/21/2017**	**IODINE-129**	**1**	**1.58**	**pCi/L**	**J**	**J**	**1.22**	**3.72**
FTF012R	2/21/2017	IODINE-129	1	1.42	pCi/L	R	R	0.898	2.79
FTF030	9/14/2017	IODINE-129	1	1.23	pCi/L	U	U	1.24	3.88
FTF 23	2/13/2017	IODINE-129	1	0.936	pCi/L	U	UJ	1.22	3.89
FTF 19	9/13/2017	IODINE-129	1	0.918	pCi/L	U	U	1.05	2.83
FTF 22	2/13/2017	IODINE-129	1	0.824	pCi/L	U	UJ	1.2	3.86
FTF009R	9/14/2017	IODINE-129	1	0.693	pCi/L	U	U	1.24	4.04
FTF 28	2/13/2017	IODINE-129	1	0.497	pCi/L	U	U	1.38	2.74
FTF 23	9/13/2017	IODINE-129	1	0.447	pCi/L	U	U	0.963	1.95

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)
FTF009R	2/14/2017	IODINE-129	1	0.395	pCi/L	U	UJ	1.16	2.5
FBG001C	2/14/2017	IODINE-129	1	0.3504	pCi/L	U	U	0.714	1.582
FTF 28	9/13/2017	IODINE-129	1	0.264	pCi/L	U	U	1.13	2.41
FTF 19	2/13/2017	IODINE-129	1	0.22	pCi/L	U	UJ	1.08	2.32
FBG001C	2/14/2017	IODINE-129	1	0.215	pCi/L	U	U	0.674	1.486
FBG001C	9/18/2017	IODINE-129	1	0.202	pCi/L	U	U	0.878	1.926
FTF 22	9/13/2017	IODINE-129	1	0.195	pCi/L	U	U	1.02	2.38
FBG001C	9/18/2017	IODINE-129	1	0.178	pCi/L	U	U	0.774	1.698
FTF031	9/14/2017	IODINE-129	1	0.0747	pCi/L	U	U	0.99	2.13
FTF031	9/14/2017	IODINE-129	1	-0.0164	pCi/L	U	U	0.992	2.14
FTF 20	2/13/2017	IODINE-129	1	-0.0369	pCi/L	U	UJ	1.05	2.26
FTF 28	9/13/2017	IODINE-129	1	-0.0431	pCi/L	U	U	1.09	2.4
FBG001C	2/14/2017	IODINE-129	1	-0.0815	pCi/L	U	UJ	1.11	2.65
FBG001C	9/18/2017	IODINE-129	1	-0.102	pCi/L	U	U	1.24	4.29
FTF030D	2/21/2017	IODINE-129	1	-0.227	pCi/L	U	UJ	1.21	4.21
FTF012R	2/21/2017	IODINE-129	1	-0.295	pCi/L	U	U	0.865	1.88
FTF 20	9/13/2017	IODINE-129	1	-0.296	pCi/L	U	U	0.947	2.07
FTF031	2/21/2017	IODINE-129	1	-0.317	pCi/L	U	UJ	1.19	4.17
FTF 28	2/13/2017	IODINE-129	1	-0.366	pCi/L	U	U	0.887	1.88
FTF030D	9/18/2017	IODINE-129	1	-0.381	pCi/L	U	U	1.21	4.24
FTF 29	9/14/2017	IODINE-129	1	-0.421	pCi/L	U	U	1.19	4.21
FTF 22	2/13/2017	IODINE-129	1	-0.553	pCi/L	U	UJ	1.2	4.31
FTF 29	2/13/2017	IODINE-129	1	-1.13	pCi/L	U	UJ	1.15	4.28
FTF012R	2/21/2017	LEAD-212	1.8[b]	11.7	pCi/L	R	R	7.36	30.6
FTF012R	9/14/2017	LEAD-212	1.8[b]	5.44	pCi/L	R	R	5.08	15.1
FTF 28	2/13/2017	LEAD-212	1.8[b]	5.38	pCi/L	U	U	6.89	22.1
FTF 28	2/13/2017	LEAD-212	1.8[b]	2.64	pCi/L	U	U	5.46	16.7
FTF 28	9/13/2017	LEAD-212	1.8[b]	1.41	pCi/L	U	U	3.57	11.2
FTF 28	9/13/2017	LEAD-212	1.8[b]	0.936	pCi/L	U	U	3.5	10.5
FTF 28	2/13/2017	LEAD-212	1.8[b]	0.278	pCi/L	U	U	8.95	21.7
FTF012R	9/14/2017	LEAD-212	1.8[b]	-1.17	pCi/L	U	U	4.82	11.7
FTF012R	**2/21/2017**	**LEAD-214**	**130[b]**	**286**	**pCi/L**			**38.7**	**81.5**
FTF 28	2/13/2017	LEAD-214	130[b]	117	pCi/L			8.22	35.4
FTF 28	2/13/2017	LEAD-214	130[b]	94	pCi/L			7.53	31.9
FTF 28	2/13/2017	LEAD-214	130[b]	82.9	pCi/L			10.2	36.4
FTF012R	9/14/2017	LEAD-214	130[b]	5.93	pCi/L	R	R	5.2	14.5
FTF 28	9/13/2017	LEAD-214	130[b]	4.99	pCi/L	R	R	4.34	14.9
FTF012R	9/14/2017	LEAD-214	130[b]	2.29	pCi/L	U	U	5.91	13.9
FTF 28	9/13/2017	LEAD-214	130[b]	0.665	pCi/L	U	U	4.06	13.9
FTF030D	2/21/2017	MANGANESE	430[a]	179	ug/L			5	25
FTF009R	9/14/2017	MANGANESE	430[a]	171	ug/L			1	5
FBG001C	9/18/2017	MANGANESE	430[a]	150	ug/L			0.9	2
FBG001C	2/14/2017	MANGANESE	430[a]	127	ug/L			1	5
FBG001C	2/14/2017	MANGANESE	430[a]	120	ug/L			0.9	2
FBG001C	9/18/2017	MANGANESE	430[a]	119	ug/L			1	5
FTF030D	9/18/2017	MANGANESE	430[a]	108	ug/L			5	25
FTF 20	2/13/2017	MANGANESE	430[a]	101	ug/L			1	5
FTF009R	2/14/2017	MANGANESE	430[a]	90.9	ug/L			1	5
FTF 20	9/13/2017	MANGANESE	430[a]	71	ug/L			1	5
FTF030	2/21/2017	MANGANESE	430[a]	68	ug/L			1	5
FTF 19	2/13/2017	MANGANESE	430[a]	28	ug/L			1	5
FTF031	2/21/2017	MANGANESE	430[a]	26.9	ug/L			1	5
FTF 22	2/13/2017	MANGANESE	430[a]	18.3	ug/L			1	5
FTF 22	9/13/2017	MANGANESE	430[a]	18.3	ug/L			1	5
FTF 19	9/13/2017	MANGANESE	430[a]	15.1	ug/L			1	5
FTF 28	2/13/2017	MANGANESE	430[a]	12.5	ug/L			1	5
FTF030	9/14/2017	MANGANESE	430[a]	12.5	ug/L			1	5
FTF 28	2/13/2017	MANGANESE	430[a]	12.1	ug/L			1	5
FTF 28	9/13/2017	MANGANESE	430[a]	12.1	ug/L			1	5
FTF 28	9/13/2017	MANGANESE	430[a]	12.1	ug/L			1	5
FTF 23	9/13/2017	MANGANESE	430[a]	11	ug/L			1	5
FTF 23	2/13/2017	MANGANESE	430[a]	10.7	ug/L			1	5
FTF031	9/14/2017	MANGANESE	430[a]	9.9	ug/L			1	5
FTF012R	2/21/2017	MANGANESE	430[a]	6.72	ug/L			1	5
FTF 29	2/13/2017	MANGANESE	430[a]	5	ug/L	U	U	1	5
FTF012R	9/14/2017	MANGANESE	430[a]	3.25	ug/L	J	J	1	5
FTF 29	9/14/2017	MANGANESE	430[a]	1.87	ug/L	J	J	1	5
FTF012R	9/14/2017	NEPTUNIUM-237	15	-0.043	pCi/L	U	U	0.49	0.88
FTF012R	2/21/2017	NEPTUNIUM-237	15	-0.13	pCi/L	U	U	0.469	0.741
FTF012R	2/21/2017	NEPTUNIUM-237	15	-0.325	pCi/L	U	U	0.829	1.39
FTF012R	2/21/2017	NICKEL-59	300	24.5	pCi/L	R	R	10.8	35.4
FTF012R	9/14/2017	NICKEL-59	300	3.89	pCi/L	U	U	16.7	32.2
FTF 28	2/13/2017	NICKEL-59	300	-0.59	pCi/L	U	U	11.1	22.7
FTF 28	2/13/2017	NICKEL-59	300	-0.609	pCi/L	U	U	5.24	10.7
FTF012R	9/14/2017	NICKEL-59	300	-2.48	pCi/L	U	U	13.3	28.3
FTF 28	9/13/2017	NICKEL-59	300	-3.49	pCi/L	U	U	5.87	13.2

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	2/13/2017	NICKEL-59	300	-10.9	pCi/L	U	U	13.1	30.3
FTF 28	9/13/2017	NICKEL-59	300	-12.7	pCi/L	U	U	18.1	40.9
FTF 28	2/13/2017	NICKEL-63	50	1.17	pCi/L	U	U	8.37	18.2
FTF 28	9/13/2017	NICKEL-63	50	0.954	pCi/L	U	U	6.95	15.1
FTF012R	2/21/2017	NICKEL-63	50	0.316	pCi/L	U	U	9.08	19.7
FTF 28	2/13/2017	NICKEL-63	50	-0.333	pCi/L	U	U	8.77	19
FTF 28	9/13/2017	NICKEL-63	50	-0.809	pCi/L	U	U	7.29	15.8
FTF012R	9/14/2017	NICKEL-63	50	-1.12	pCi/L	U	U	7.72	16.7
FTF012R	2/21/2017	NICKEL-63	50	-4	pCi/L	U	U	8.91	19.1
FTF012R	9/14/2017	NICKEL-63	50	-4.22	pCi/L	U	U	7.21	15.4
FBG001C	9/18/2017	NITRATE-NITRITE AS NITROGEN	10	7.9	mg/L			0.44	1
FBG001C	2/14/2017	NITRATE-NITRITE AS NITROGEN	10	7.66	mg/L			0.351	0.9
FBG001C	9/18/2017	NITRATE-NITRITE AS NITROGEN	10	7.48	mg/L			0.39	1
FBG001C	2/14/2017	NITRATE-NITRITE AS NITROGEN	10	7.4	mg/L			0.22	1
FTF 23	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	3.4	mg/L			0.078	0.2
FTF030D	9/18/2017	NITRATE-NITRITE AS NITROGEN	10	3.05	mg/L			0.078	0.2
FTF030D	2/21/2017	NITRATE-NITRITE AS NITROGEN	10	2.98	mg/L			0.078	0.2
FTF 29	9/14/2017	NITRATE-NITRITE AS NITROGEN	10	2.97	mg/L			0.078	0.2
FTF 29	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.83	mg/L			0.078	0.2
FTF 20	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.73	mg/L			0.078	0.2
FTF031	2/21/2017	NITRATE-NITRITE AS NITROGEN	10	2.66	mg/L			0.078	0.2
FTF 20	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.53	mg/L			0.078	0.2
FTF009R	2/14/2017	NITRATE-NITRITE AS NITROGEN	10	2.38	mg/L			0.078	0.2
FTF031	9/14/2017	NITRATE-NITRITE AS NITROGEN	10	2.37	mg/L			0.078	0.2
FTF 23	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.35	mg/L			0.078	0.2
FTF012R	2/21/2017	NITRATE-NITRITE AS NITROGEN	10	2.3	mg/L			0.078	0.2
FTF 19	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.22	mg/L			0.078	0.2
FTF 28	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.15	mg/L			0.078	0.2
FTF 28	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.13	mg/L			0.078	0.2
FTF009R	9/14/2017	NITRATE-NITRITE AS NITROGEN	10	2.08	mg/L			0.078	0.2
FTF 28	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.07	mg/L			0.078	0.2
FTF 28	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	2.07	mg/L			0.078	0.2
FTF 22	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	1.91	mg/L			0.078	0.2
FTF 22	9/13/2017	NITRATE-NITRITE AS NITROGEN	10	1.79	mg/L			0.078	0.2
FTF012R	9/14/2017	NITRATE-NITRITE AS NITROGEN	10	1.74	mg/L			0.078	0.2
FTF 19	2/13/2017	NITRATE-NITRITE AS NITROGEN	10	1.64	mg/L			0.078	0.2
FTF030	2/21/2017	NITRATE-NITRITE AS NITROGEN	10	1.63	mg/L			0.078	0.2
FTF030	9/14/2017	NITRATE-NITRITE AS NITROGEN	10	1.36	mg/L			0.078	0.2
FTF 28	**9/13/2017**	**NONVOLATILE BETA**	**50**	**598**	**pCi/L**		**J**	**2.31**	**33.7**
FTF 28	**2/13/2017**	**NONVOLATILE BETA**	**50**	**460**	**pCi/L**			**3.1**	**30.1**
FTF 28	**9/13/2017**	**NONVOLATILE BETA**	**50**	**415**	**pCi/L**		**J**	**2.03**	**27.6**
FTF 28	**2/13/2017**	**NONVOLATILE BETA**	**50**	**399**	**pCi/L**			**2.25**	**28.3**
FTF012R	**9/14/2017**	**NONVOLATILE BETA**	**50**	**270**	**pCi/L**			**3.58**	**24.6**
FTF012R	**2/21/2017**	**NONVOLATILE BETA**	**50**	**132**	**pCi/L**			**2.63**	**13.9**
FTF 29	9/14/2017	NONVOLATILE BETA	50	25.5	pCi/L			3.71	10.7
FTF 19	9/13/2017	NONVOLATILE BETA	50	10.6	pCi/L			2.93	8.01
FTF 19	2/13/2017	NONVOLATILE BETA	50	6.49	pCi/L	J	J	4.03	10.7
FTF 22	9/13/2017	NONVOLATILE BETA	50	6.41	pCi/L	J	J	3.36	8.26
FTF 20	2/13/2017	NONVOLATILE BETA	50	5.4	pCi/L	J	J	4.11	10.5
FTF 29	2/13/2017	NONVOLATILE BETA	50	4.35	pCi/L	J	J	3.98	9.97
FTF030D	2/21/2017	NONVOLATILE BETA	50	4.31	pCi/L	U	U	5.03	11.9
FTF030D	9/18/2017	NONVOLATILE BETA	50	4.05	pCi/L	J	J	2.71	6.53
FBG001C	9/18/2017	NONVOLATILE BETA	50	3.85	pCi/L	J	J	2.89	6.75
FTF 20	9/13/2017	NONVOLATILE BETA	50	3.78	pCi/L	J	J	3.31	7.63
FTF 22	2/13/2017	NONVOLATILE BETA	50	3.7	pCi/L	U	U	4.03	9.85
FBG001C	2/14/2017	NONVOLATILE BETA	50	3.59	pCi/L			1.19	3.03
FBG001C	9/18/2017	NONVOLATILE BETA	50	3.42	pCi/L			0.97	2.572
FTF 23	2/13/2017	NONVOLATILE BETA	50	3.37	pCi/L	U	U	4.06	9.79
FBG001C	2/14/2017	NONVOLATILE BETA	50	2.64	pCi/L	U	U	3.98	9.39
FTF030	2/21/2017	NONVOLATILE BETA	50	2.57	pCi/L	U	U	4.39	10.2
FBG001C	2/14/2017	NONVOLATILE BETA	50	2.535	pCi/L	J	J	1.07	2.664
FTF009R	2/14/2017	NONVOLATILE BETA	50	2.21	pCi/L	U	U	3.95	9.18
FTF031	9/14/2017	NONVOLATILE BETA	50	1.87	pCi/L	U	U	2.59	5.81
FTF030	9/14/2017	NONVOLATILE BETA	50	1.61	pCi/L	U	U	2.32	5.2
FTF 23	9/13/2017	NONVOLATILE BETA	50	1.23	pCi/L	U	U	2.99	6.49
FTF009R	9/14/2017	NONVOLATILE BETA	50	1.15	pCi/L	U	U	3.18	6.86
FTF030	9/14/2017	NONVOLATILE BETA	50	-0.112	pCi/L	U	U	2.81	5.75
FTF031	2/21/2017	NONVOLATILE BETA	50	-0.541	pCi/L	U	U	4.28	8.82
FTF 29	9/14/2017	PH	NA	7.4	pH				
FTF 29	2/13/2017	PH	NA	6.4	pH				
FTF012R	9/14/2017	PH	NA	6.2	pH				
FTF012R	2/21/2017	PH	NA	6.1	pH				
FTF 19	9/13/2017	PH	NA	5.6	pH				
FTF030	9/14/2017	PH	NA	5.6	pH				
FTF 19	2/13/2017	PH	NA	5.5	pH				
FTF 22	2/13/2017	PH	NA	5.5	pH				

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)
FBG001C	9/18/2017	PH	NA	5.4	pH				
FTF030	2/21/2017	PH	NA	5.4	pH				
FTF 22	9/13/2017	PH	NA	5.3	pH				
FTF009R	2/14/2017	PH	NA	5.2	pH				
FBG001C	2/14/2017	PH	NA	5.1	pH				
FTF009R	9/14/2017	PH	NA	5.1	pH				
FTF 20	2/13/2017	PH	NA	5	pH				
FTF 20	9/13/2017	PH	NA	4.9	pH				
FTF030D	2/21/2017	PH	NA	4.9	pH				
FTF031	2/21/2017	PH	NA	4.9	pH				
FTF 23	2/13/2017	PH	NA	4.8	pH				
FTF 28	2/13/2017	PH	NA	4.8	pH				
FTF 28	9/13/2017	PH	NA	4.7	pH				
FTF031	9/14/2017	PH	NA	4.7	pH				
FTF 23	9/13/2017	PH	NA	4.5	pH				
FTF030D	9/18/2017	PH	NA	4.3	pH				
FBG001D	2/14/2017	PH	NA		pH				
FBG001D	9/14/2017	PH	NA		pH				
FTF012R	9/14/2017	PLUTONIUM-238	15	0.121	pCi/L	U	U	0.161	0.409
FTF012R	2/21/2017	PLUTONIUM-238	15	0.0791	pCi/L	U	U	0.212	0.492
FTF012R	2/21/2017	PLUTONIUM-238	15	0.071	pCi/L	U	U	0.116	0.289
FTF012R	2/21/2017	PLUTONIUM-239/240	15	0.00491	pCi/L	U	U	0.107	0.21
FTF012R	2/21/2017	PLUTONIUM-239/240	15	0.00139	pCi/L	U	U	0.229	0.435
FTF012R	9/14/2017	PLUTONIUM-239/240	15	-0.0617	pCi/L	U	U	0.221	0.368
FTF012R	2/21/2017	PLUTONIUM-242	15	0.00982	pCi/L	U	U	0.13	0.257
FTF012R	9/14/2017	PLUTONIUM-242	15	0.00695	pCi/L	U	U	0.168	0.326
FTF012R	2/21/2017	PLUTONIUM-242	15	-0.0333	pCi/L	U	U	0.228	0.382
FTF 28	9/13/2017	POTASSIUM-40	0.83[b]	42	pCi/L	R	R	16.9	62.9
FTF012R	9/14/2017	POTASSIUM-40	0.83[b]	15.9	pCi/L	U	U	19.7	93.7
FTF 28	2/13/2017	POTASSIUM-40	0.83[b]	11.8	pCi/L	U	U	39.7	79.9
FTF 28	9/13/2017	POTASSIUM-40	0.83[b]	11.1	pCi/L	U	U	19.2	40.4
FTF 28	2/13/2017	POTASSIUM-40	0.83[b]	7.95	pCi/L	U	U	38.6	130
FTF012R	9/14/2017	POTASSIUM-40	0.83[b]	-9.94	pCi/L	U	U	39.6	85.2
FTF012R	2/21/2017	POTASSIUM-40	0.83[b]	-11.9	pCi/L	U	U	76.6	159
FTF 28	2/13/2017	POTASSIUM-40	0.83[b]	-17.6	pCi/L	U	U	61.5	147
FTF012R	9/14/2017	PROMETHIUM-147	600	6.19	pCi/L	U	U	20.6	45
FTF 28	9/13/2017	PROMETHIUM-147	600	3.97	pCi/L	U	U	23.2	50.6
FTF 28	2/13/2017	PROMETHIUM-147	600	0.817	pCi/L	U	U	6.41	13.9
FTF012R	2/21/2017	PROMETHIUM-147	600	0.256	pCi/L	U	U	5.9	12.8
FTF012R	2/21/2017	PROMETHIUM-147	600	0.211	pCi/L	U	U	6.78	14.7
FTF 28	2/13/2017	PROMETHIUM-147	600	-0.4	pCi/L	U	U	6.58	14.2
FTF012R	9/14/2017	PROMETHIUM-147	600	-4.57	pCi/L	U	U	22	47.8
FTF 28	9/13/2017	PROMETHIUM-147	600	-6.84	pCi/L	U	U	22.3	48.3
FTF012R	9/14/2017	RADIUM-226	5	2.35	pCi/L			0.371	1.47
FTF012R	2/21/2017	RADIUM-226	5	1.76	pCi/L			0.402	1.35
FTF 28	2/13/2017	RADIUM-226	5	0.928	pCi/L			0.254	0.904
FTF 28	9/13/2017	RADIUM-226	5	0.884	pCi/L	J	J	0.292	0.978
FTF 28	9/13/2017	RADIUM-226	5	0.65	pCi/L	J	J	0.415	1.09
FTF 28	2/13/2017	RADIUM-226	5	0.64	pCi/L	J	J	0.384	1.01
FTF 28	2/13/2017	RADIUM-226	5	0.443	pCi/L	J	J	0.341	0.873
FTF 28	9/13/2017	RADIUM-226	5	0.219	pCi/L	U	U	0.385	0.859
FTF012R	9/14/2017	RADIUM-228	5	0.684	pCi/L	J	J	0.624	1.46
FTF012R	2/21/2017	RADIUM-228	5	0.57	pCi/L	U	U	0.574	1.32
FTF 28	2/13/2017	RADIUM-228	5	0.513	pCi/L	U	U	0.583	1.32
FTF 28	9/13/2017	RADIUM-228	5	0.428	pCi/L	U	U	0.499	1.14
FTF012R	9/14/2017	RADIUM-228	5	0.416	pCi/L	U	U	0.43	0.998
FTF 28	9/13/2017	RADIUM-228	5	0.202	pCi/L	U	U	0.514	1.11
FTF 28	2/13/2017	RADIUM-228	5	0.0571	pCi/L	U	U	0.459	0.947
FTF 22	9/13/2017	SODIUM	NA	12000	ug/L			80	250
FTF 22	2/13/2017	SODIUM	NA	10800	ug/L			80	250
FTF 20	2/13/2017	SODIUM	NA	9900	ug/L			80	250
FTF 20	9/13/2017	SODIUM	NA	8920	ug/L			80	250
FTF 23	2/13/2017	SODIUM	NA	8480	ug/L			80	250
FTF 23	9/13/2017	SODIUM	NA	8470	ug/L			80	250
FBG001C	9/18/2017	SODIUM	NA	8000	ug/L			45	100
FTF 29	9/14/2017	SODIUM	NA	7880	ug/L			80	250
FTF030D	2/21/2017	SODIUM	NA	7680	ug/L		J	80	250
FTF030	9/14/2017	SODIUM	NA	6670	ug/L			80	250
FTF012R	2/21/2017	SODIUM	NA	6410	ug/L		J	80	250
FBG001C	2/14/2017	SODIUM	NA	6200	ug/L			20	50
FBG001C	2/14/2017	SODIUM	NA	6080	ug/L			80	250
FBG001C	9/18/2017	SODIUM	NA	5900	ug/L			80	250
FTF012R	9/14/2017	SODIUM	NA	5460	ug/L			80	250
FTF030D	9/18/2017	SODIUM	NA	5410	ug/L			80	250
FTF 29	2/13/2017	SODIUM	NA	4370	ug/L			80	250
FTF031	2/21/2017	SODIUM	NA	4300	ug/L		J	80	250

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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)
FTF030	2/21/2017	SODIUM	NA	4280	ug/L		J	80	250
FTF 19	2/13/2017	SODIUM	NA	4240	ug/L			80	250
FTF 19	9/13/2017	SODIUM	NA	3950	ug/L			80	250
FTF031	9/14/2017	SODIUM	NA	3830	ug/L			80	250
FTF009R	9/14/2017	SODIUM	NA	2960	ug/L			80	250
FTF 28	9/13/2017	SODIUM	NA	2900	ug/L			80	250
FTF 28	9/13/2017	SODIUM	NA	2890	ug/L			80	250
FTF009R	2/14/2017	SODIUM	NA	2880	ug/L			80	250
FTF 28	2/13/2017	SODIUM	NA	2810	ug/L			80	250
FTF 28	2/13/2017	SODIUM	NA	2780	ug/L			80	250
FTF 29	9/14/2017	SPECIFIC CONDUCTANCE	NA	343	uS/cm				
FTF 29	2/13/2017	SPECIFIC CONDUCTANCE	NA	271	uS/cm				
FTF012R	2/21/2017	SPECIFIC CONDUCTANCE	NA	194	uS/cm				
FTF012R	9/14/2017	SPECIFIC CONDUCTANCE	NA	154	uS/cm				
FTF 19	2/13/2017	SPECIFIC CONDUCTANCE	NA	132	uS/cm				
FTF 22	9/13/2017	SPECIFIC CONDUCTANCE	NA	122	uS/cm				
FTF 19	9/13/2017	SPECIFIC CONDUCTANCE	NA	109	uS/cm				
FTF 20	2/13/2017	SPECIFIC CONDUCTANCE	NA	108	uS/cm				
FTF 22	2/13/2017	SPECIFIC CONDUCTANCE	NA	108	uS/cm				
FTF 20	9/13/2017	SPECIFIC CONDUCTANCE	NA	95	uS/cm				
FBG001C	9/18/2017	SPECIFIC CONDUCTANCE	NA	92	uS/cm				
FBG001C	2/14/2017	SPECIFIC CONDUCTANCE	NA	89	uS/cm				
FTF 23	9/13/2017	SPECIFIC CONDUCTANCE	NA	75	uS/cm				
FTF030	9/14/2017	SPECIFIC CONDUCTANCE	NA	72	uS/cm				
FTF 23	2/13/2017	SPECIFIC CONDUCTANCE	NA	70	uS/cm				
FTF030D	2/21/2017	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
FTF030D	9/18/2017	SPECIFIC CONDUCTANCE	NA	59	uS/cm				
FTF030	2/21/2017	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
FTF031	2/21/2017	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
FTF009R	2/14/2017	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
FTF031	9/14/2017	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
FTF009R	9/14/2017	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
FTF 28	2/13/2017	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
FTF 28	9/13/2017	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
FBG001D	2/14/2017	SPECIFIC CONDUCTANCE	NA		uS/cm				
FBG001D	9/14/2017	SPECIFIC CONDUCTANCE	NA		uS/cm				
FTF012R	**2/21/2017**	**STRONTIUM-90**	**8**	**12.4**	**pCi/L**			**2.32**	**7.54**
FTF012R	9/14/2017	STRONTIUM-90	8	4.27	pCi/L	U	U	8.4	18.4
FTF 28	9/13/2017	STRONTIUM-90	8	1.23	pCi/L	U	U	1.71	3.77
FTF 28	9/13/2017	STRONTIUM-90	8	0.676	pCi/L	U	U	3.36	6.98
FTF012R	9/14/2017	STRONTIUM-90	8	-0.0916	pCi/L	U	U	5.8	12
FTF 28	2/13/2017	STRONTIUM-90	8	-0.106	pCi/L	U	U	4.11	8.31
FTF 28	2/13/2017	STRONTIUM-90	8	-1.33	pCi/L	U	U	7.53	15.5
FTF 28	**9/13/2017**	**TECHNETIUM-99**	**900**	**1670**	**pCi/L**			**6.84**	**43**
FTF 28	**2/13/2017**	**TECHNETIUM-99**	**900**	**1530**	**pCi/L**			**10.2**	**84.8**
FTF 28	**2/13/2017**	**TECHNETIUM-99**	**900**	**1520**	**pCi/L**			**10.5**	**86.1**
FTF 28	**9/13/2017**	**TECHNETIUM-99**	**900**	**1520**	**pCi/L**			**7.41**	**43.4**
FTF 28	**2/13/2017**	**TECHNETIUM-99**	**900**	**1460**	**pCi/L**			**11**	**86.6**
FTF012R	9/14/2017	TECHNETIUM-99	900	533	pCi/L			7.14	29.1
FTF012R	9/14/2017	TECHNETIUM-99	900	529	pCi/L			7.11	28.9
FTF012R	2/21/2017	TECHNETIUM-99	900	338	pCi/L			4.67	24.3
FTF012R	2/21/2017	TECHNETIUM-99	900	333	pCi/L			4.83	24.7
FBG001C	2/14/2017	TECHNETIUM-99	900	7.75	pCi/L	J	J	4.14	9.52
FBG001C	9/18/2017	TECHNETIUM-99	900	5.35	pCi/L	U	U	7.08	15.6
FBG001C	9/18/2017	TECHNETIUM-99	900	4.198	pCi/L	J	J	2.15	4.97
FBG001C	9/18/2017	TECHNETIUM-99	900	3.92	pCi/L	J	J	2.14	4.92
FBG001C	2/14/2017	TECHNETIUM-99	900	3.11	pCi/L	J	J	1.99	4.53
FTF009R	2/14/2017	TECHNETIUM-99	900	2.18	pCi/L	U	U	4.14	9.19
FTF030	2/21/2017	TECHNETIUM-99	900	1.1	pCi/L	U	U	4.15	9.14
FTF030	9/14/2017	TECHNETIUM-99	900	0.13	pCi/L	U	U	6.51	14.1
FTF 28	2/13/2017	THALLIUM-208		4.44	pCi/L	U	U	4.99	16.3
FTF 28	9/13/2017	THALLIUM-208		3.5	pCi/L	J	J	1.71	4.97
FTF 28	2/13/2017	THALLIUM-208		2.67	pCi/L	U	U	2.9	10.6
FTF 28	2/13/2017	THALLIUM-208		1.26	pCi/L	U	U	4.94	10.9
FTF 28	9/13/2017	THALLIUM-208		0.297	pCi/L	U	U	1.7	6.16
FTF012R	9/14/2017	THALLIUM-208		-0.797	pCi/L	U	U	2.74	7.16
FTF012R	9/14/2017	THALLIUM-208		-0.853	pCi/L	U	U	2.74	6.48
FTF012R	2/21/2017	THALLIUM-208		-3.68	pCi/L	U	U	5.85	13.2
FTF012R	2/21/2017	THORIUM-228	15	0.0474	pCi/L	U	U	0.634	1.25
FTF012R	9/14/2017	THORIUM-228	15	-0.101	pCi/L	U	U	0.462	0.744
FTF012R	2/21/2017	THORIUM-228	15	-0.109	pCi/L	U	U	0.675	1.2
FTF012R	2/21/2017	THORIUM-230	15	0.581	pCi/L	U	U	0.743	1.84
FTF012R	2/21/2017	THORIUM-230	15	0.168	pCi/L	U	U	0.675	1.43
FTF012R	9/14/2017	THORIUM-230	15	0.148	pCi/L	U	U	0.585	1.24
FTF012R	2/21/2017	THORIUM-232	15	0.127	pCi/L	U	U	0.448	0.984
FTF012R	2/21/2017	THORIUM-232	15	0.0755	pCi/L	U	U	0.336	0.806

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)
FTF012R	9/14/2017	THORIUM-232	15	0.0498	pCi/L	U	U	0.245	0.571
FTF 29	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	73	mg/L				
FTF 29	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	68	mg/L				
FTF012R	2/21/2017	TOTAL ALKALINITY (AS CACO3)	NA	53	mg/L				
FTF012R	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	48	mg/L				
FTF 19	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	25	mg/L				
FTF 22	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
FTF 19	9/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	13	mg/L				
FTF030	2/21/2017	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
FBG001C	9/18/2017	TOTAL ALKALINITY (AS CACO3)	NA	11	mg/L				
FTF030	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
FTF009R	2/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
FTF 22	9/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
FTF009R	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
FBG001C	2/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
FTF 20	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 20	9/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 23	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 23	9/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	2/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	9/13/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	2/21/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	9/18/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF031	2/21/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF031	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FBG001D	2/14/2017	TOTAL ALKALINITY (AS CACO3)	NA		mg/L				
FBG001D	9/14/2017	TOTAL ALKALINITY (AS CACO3)	NA		mg/L				
FTF030D	**2/21/2017**	**TRITIUM**	**20**	**105**	**pCi/mL**			**0.518**	**4.73**
FTF030D	**9/18/2017**	**TRITIUM**	**20**	**20.4**	**pCi/mL**			**0.49**	**2.21**
FTF 29	2/13/2017	TRITIUM	20	4.2	pCi/mL			0.456	1.39
FTF 29	9/14/2017	TRITIUM	20	4.08	pCi/mL			0.476	1.38
FTF 19	2/13/2017	TRITIUM	20	3.52	pCi/mL			0.456	1.34
FTF012R	9/14/2017	TRITIUM	20	3.35	pCi/mL			0.473	1.32
FTF 28	9/13/2017	TRITIUM	20	2.9	pCi/mL			0.486	1.32
FTF 28	9/13/2017	TRITIUM	20	2.65	pCi/mL			0.492	1.31
FTF 28	9/13/2017	TRITIUM	20	2.63	pCi/mL			0.497	1.32
FTF 28	2/13/2017	TRITIUM	20	2.39	pCi/mL			0.447	1.22
FBG001C	9/18/2017	TRITIUM	20	2.36	pCi/mL			0.488	1.28
FTF 28	2/13/2017	TRITIUM	20	2.35	pCi/mL			0.444	1.21
FBG001C	2/14/2017	TRITIUM	20	2.32	pCi/mL			0.515	1.31
FBG001C	9/18/2017	TRITIUM	20	2.17	pCi/mL			0.489	1.27
FBG001C	2/14/2017	TRITIUM	20	2.15	pCi/mL			0.311	0.971
FTF009R	9/14/2017	TRITIUM	20	2.03	pCi/mL			0.478	1.23
FTF012R	2/21/2017	TRITIUM	20	2	pCi/mL			0.445	1.18
FTF 19	9/13/2017	TRITIUM	20	1.91	pCi/mL			0.425	1.13
FBG001C	9/18/2017	TRITIUM	20	1.66	pCi/mL			0.297	0.863
FTF 20	2/13/2017	TRITIUM	20	1.54	pCi/mL			0.456	1.16
FTF009R	2/14/2017	TRITIUM	20	1.28	pCi/mL			0.51	1.22
FTF 23	2/13/2017	TRITIUM	20	1.28	pCi/mL			0.453	1.13
FTF 20	9/13/2017	TRITIUM	20	1.24	pCi/mL			0.424	1.06
FTF 22	2/13/2017	TRITIUM	20	1.17	pCi/mL			0.461	1.13
FTF030	2/21/2017	TRITIUM	20	1.12	pCi/mL			0.437	1.08
FTF 22	9/13/2017	TRITIUM	20	1.06	pCi/mL			0.426	1.05
FTF031	2/21/2017	TRITIUM	20	1.05	pCi/mL	J	J	0.447	1.09
FTF 23	9/13/2017	TRITIUM	20	1.01	pCi/mL	J	J	0.421	1.03
FTF031	9/14/2017	TRITIUM	20	0.826	pCi/mL	J	J	0.473	1.11
FTF030	9/14/2017	TRITIUM	20	0.646	pCi/mL	J	J	0.474	1.1
FTF030D	2/21/2017	TURBIDITY	NA	87	NTU				
FTF030D	9/18/2017	TURBIDITY	NA	23.8	NTU				
FBG001C	2/14/2017	TURBIDITY	NA	12.4	NTU				
FTF012R	2/21/2017	TURBIDITY	NA	11.3	NTU				
FTF012R	9/14/2017	TURBIDITY	NA	7.9	NTU				
FTF 29	9/14/2017	TURBIDITY	NA	6.5	NTU				
FBG001C	9/18/2017	TURBIDITY	NA	5.2	NTU				
FTF030	2/21/2017	TURBIDITY	NA	4.2	NTU				
FTF 29	2/13/2017	TURBIDITY	NA	3.8	NTU				
FTF031	2/21/2017	TURBIDITY	NA	3.7	NTU				
FTF031	9/14/2017	TURBIDITY	NA	3.1	NTU				
FTF009R	9/14/2017	TURBIDITY	NA	1.8	NTU				
FTF030	9/14/2017	TURBIDITY	NA	1.6	NTU				
FTF 20	2/13/2017	TURBIDITY	NA	1.1	NTU				
FTF 22	9/13/2017	TURBIDITY	NA	1	NTU				
FTF 22	2/13/2017	TURBIDITY	NA	0.7	NTU				
FTF 20	9/13/2017	TURBIDITY	NA	0.6	NTU				
FTF 19	9/13/2017	TURBIDITY	NA	0.5	NTU				
FTF 23	9/13/2017	TURBIDITY	NA	0.4	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 28	9/13/2017	TURBIDITY	NA	0.4	NTU				
FTF009R	2/14/2017	TURBIDITY	NA	0.4	NTU				
FTF 23	2/13/2017	TURBIDITY	NA	0.3	NTU				
FTF 19	2/13/2017	TURBIDITY	NA	0.2	NTU				
FTF 28	2/13/2017	TURBIDITY	NA	0.2	NTU				
FBG001D	2/14/2017	TURBIDITY	NA		NTU				
FBG001D	9/14/2017	TURBIDITY	NA		NTU				
FTF012R	2/21/2017	URANIUM-233/234	10	0.0717	pCi/L	U	U	0.236	0.508
FTF012R	9/14/2017	URANIUM-233/234	10	0.07	pCi/L	U	U	0.191	0.467
FTF012R	2/21/2017	URANIUM-233/234	10	0.0189	pCi/L	U	U	0.471	0.923
FTF012R	2/21/2017	URANIUM-235	0.5	0.103	pCi/L	U	U	0.28	0.684
FTF012R	9/14/2017	URANIUM-235	0.5	0.0492	pCi/L	U	U	0.148	0.424
FTF012R	2/21/2017	URANIUM-235	0.5	0.0468	pCi/L	U	U	0.171	0.385
FTF012R	9/14/2017	URANIUM-238	10	0.21	pCi/L	U	U	0.243	0.663
FTF012R	2/21/2017	URANIUM-238	10	0.107	pCi/L	U	U	0.152	0.396
FTF012R	2/21/2017	URANIUM-238	10	0.0965	pCi/L	U	U	0.312	0.696
FBG001D	2/14/2017	Water Elevation	NA	224.65	ft msl				
FTF 19	9/13/2017	Water Elevation	NA	222.7	ft msl				
FTF 19	2/13/2017	Water Elevation	NA	222.2	ft msl				
FTF 23	9/13/2017	Water Elevation	NA	222.19	ft msl				
FTF009R	9/14/2017	Water Elevation	NA	222.18	ft msl				
FTF 20	9/13/2017	Water Elevation	NA	222.17	ft msl				
FTF012R	9/14/2017	Water Elevation	NA	222.15	ft msl				
FTF 22	9/13/2017	Water Elevation	NA	222.06	ft msl				
FBG001D	9/14/2017	Water Elevation	NA	222.03	ft msl				
FTF 23	2/13/2017	Water Elevation	NA	221.98	ft msl				
FTF012R	2/21/2017	Water Elevation	NA	221.75	ft msl				
FTF009R	2/14/2017	Water Elevation	NA	221.7	ft msl				
FTF 20	2/13/2017	Water Elevation	NA	221.6	ft msl				
FTF 22	2/13/2017	Water Elevation	NA	221.5	ft msl				
FTF030D	9/18/2017	Water Elevation	NA	221.48	ft msl				
FTF030D	2/21/2017	Water Elevation	NA	221.06	ft msl				
FBG001C	9/18/2017	Water Elevation	NA	218.81	ft msl				
FBG001C	2/14/2017	Water Elevation	NA	218.61	ft msl				
FTF031	2/21/2017	Water Elevation	NA	215.28	ft msl				
FTF030	2/21/2017	Water Elevation	NA	215.22	ft msl				
FTF031	9/14/2017	Water Elevation	NA	215.18	ft msl				
FTF030	9/14/2017	Water Elevation	NA	215.16	ft msl				
FTF 29	2/13/2017	Water Elevation	NA	213.58	ft msl				
FTF 28	9/13/2017	Water Elevation	NA	213.34	ft msl				
FTF 28	2/13/2017	Water Elevation	NA	213.32	ft msl				
FTF 29	9/14/2017	Water Elevation	NA	212.88	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

2017 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 supersede 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	9/18/2017 9:00	AMERICIUM-241	15	0.0623	pCi/L	U	U	0.0623	0.226
HAA 4D	2/22/2017 8:58	AMERICIUM-241	15	-0.00835	pCi/L	U	U	0.14	0.255
HAA 4D	9/18/2017 9:00	AMERICIUM-241	15	-0.0222	pCi/L	U	U	0.114	0.186
HAA 4D	9/18/2017 9:00	AMERICIUM-243	15	0.0469	pCi/L	U	U	0.126	0.292
HAA 4D	9/18/2017 9:00	AMERICIUM-243	15	0.0368	pCi/L	U	U	0.143	0.31
HAA 4D	2/22/2017 8:58	AMERICIUM-243	15	-0.0185	pCi/L	U	U	0.108	0.178
HAA021D	2/8/2017 10:25	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020C	2/8/2017 9:12	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020D	2/8/2017 9:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA021C	2/8/2017 12:37	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019D	2/9/2017 13:43	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018D	2/14/2017 14:50	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019C	2/9/2017 12:50	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	2/28/2017 0:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	2/28/2017 15:20	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017C	2/28/2017 13:55	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017D	2/14/2017 13:38	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15D	2/14/2017 11:04	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15C	2/14/2017 9:50	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14D	2/22/2017 13:33	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14B	2/22/2017 15:08	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14C	2/22/2017 14:21	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13D	2/8/2017 9:48	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13B	2/8/2017 9:25	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13C	2/8/2017 8:45	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12D	2/2/2017 11:02	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12C	2/2/2017 12:10	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12B	2/2/2017 13:14	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11D	2/2/2017 14:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11B	2/2/2017 12:43	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11C	2/2/2017 13:27	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10C	2/2/2017 14:49	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10B	2/2/2017 0:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10B	2/2/2017 13:32	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9D	1/31/2017 9:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9B	1/26/2017 15:13	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8C	1/30/2017 13:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8D	1/30/2017 14:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8B	2/8/2017 11:03	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7D	2/2/2017 15:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7C	2/2/2017 14:26	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7B	2/2/2017 13:22	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4C	2/22/2017 9:41	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4D	2/22/2017 8:58	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4B	2/22/2017 10:22	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2D	1/26/2017 14:21	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2C	1/26/2017 13:59	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2B	1/26/2017 12:58	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1D	1/26/2017 14:26	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1C	1/26/2017 13:14	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1A	1/31/2017 10:16	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA021C	9/7/2017 14:11	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA021D	9/13/2017 13:40	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019D	9/7/2017 14:14	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020C	9/7/2017 13:25	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA020D	9/7/2017 13:52	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA019C	9/7/2017 13:07	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	9/20/2017 0:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018C	9/20/2017 9:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA018D	9/20/2017 10:20	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017C	9/19/2017 13:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA017D	9/19/2017 13:50	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15D	9/14/2017 10:52	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15C	9/14/2017 9:45	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 15B	9/14/2017 8:43	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14D	9/18/2017 15:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14C	9/18/2017 14:05	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 14B	9/18/2017 13:20	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13D	9/14/2017 14:42	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13C	9/14/2017 13:26	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 13B	9/18/2017 13:35	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12D	9/7/2017 14:04	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12C	9/7/2017 13:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 12B	9/7/2017 10:34	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11D	9/7/2017 12:36	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11C	9/7/2017 13:28	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 11B	9/7/2017 14:20	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10C	8/31/2017 13:57	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10D	8/31/2017 14:39	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 10B	8/31/2017 0:00	CADMIUM	5	1	ug/L	U	U	0.3	1

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 10B	8/31/2017 13:08	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9D	9/7/2017 9:08	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9B	9/5/2017 10:37	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8D	8/31/2017 14:47	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8C	8/31/2017 13:17	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 8B	9/6/2017 11:26	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7D	8/31/2017 14:12	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7B	8/31/2017 12:27	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 7C	8/31/2017 13:33	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4D	9/18/2017 9:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4B	9/18/2017 10:30	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 4C	9/18/2017 9:50	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2D	8/31/2017 14:15	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2B	8/31/2017 13:15	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 2C	8/31/2017 11:00	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1C	8/31/2017 14:43	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1D	9/6/2017 10:14	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 1A	8/31/2017 13:41	CADMIUM	5	1	ug/L	U	U	0.3	1
HAA 9C	9/6/2017 9:17	CADMIUM	5	0.519	ug/L	J	J	0.3	1
HAA 14C	2/22/2017 0:00	CADMIUM	5	0.5	ug/L	U	U	0.2	0.5
HAA 8B	2/8/2017 0:00	CADMIUM	5	0.5	ug/L	U	U	0.2	0.5
HAA 14C	9/18/2017 14:05	CADMIUM	5	0.5	ug/L	U	U	0.2	0.5
HAA 8B	9/6/2017 0:00	CADMIUM	5	0.5	ug/L	U	U	0.2	0.5
HAA 9C	1/31/2017 8:30	CADMIUM	5	0.488	ug/L	U	U	0.3	1
HAA 15B	2/14/2017 8:41	CADMIUM	5	0.42	ug/L	J	J	0.3	1
HAA 10D	2/6/2017 11:03	CADMIUM	5	0.346	ug/L	J	J	0.3	1
HAA019D	9/7/2017 14:14	CHROMIUM	100	25.9	ug/L			3	10
HAA 14B	9/18/2017 13:20	CHROMIUM	100	19.5	ug/L			3	10
HAA021D	9/13/2017 13:40	CHROMIUM	100	14.5	ug/L			3	10
HAA 13D	2/8/2017 9:48	CHROMIUM	100	14	ug/L			3	10
HAA 13D	9/14/2017 14:42	CHROMIUM	100	12.1	ug/L			3	10
HAA020C	2/8/2017 9:12	CHROMIUM	100	10	ug/L	U	U	3	10
HAA021C	2/8/2017 12:37	CHROMIUM	100	10	ug/L	U	U	3	10
HAA019D	2/9/2017 13:43	CHROMIUM	100	10	ug/L	U	U	3	10
HAA018D	2/14/2017 14:50	CHROMIUM	100	10	ug/L	U	U	3	10
HAA019C	2/9/2017 12:50	CHROMIUM	100	10	ug/L	U	U	3	10
HAA018C	2/28/2017 0:00	CHROMIUM	100	10	ug/L	U	U	3	10
HAA018C	2/28/2017 15:20	CHROMIUM	100	10	ug/L	U	U	3	10
HAA017C	2/28/2017 13:55	CHROMIUM	100	10	ug/L	U	U	3	10
HAA017D	2/14/2017 13:38	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15D	2/14/2017 11:04	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15C	2/14/2017 9:50	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 15B	2/14/2017 8:41	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 14D	2/22/2017 13:33	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 12D	2/2/2017 11:02	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 11D	2/2/2017 14:00	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 11B	2/2/2017 12:43	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 10D	2/6/2017 11:03	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 9D	1/31/2017 9:00	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 8D	1/30/2017 14:30	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 8B	2/8/2017 0:00	CHROMIUM	100	10	ug/L	U	U	4	10
HAA 7D	2/2/2017 15:00	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 4B	2/22/2017 10:22	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 1C	1/26/2017 13:14	CHROMIUM	100	10	ug/L	U	U	3	10
HAA021C	9/7/2017 14:11	CHROMIUM	100	10	ug/L	U	U	3	10
HAA018D	9/20/2017 10:20	CHROMIUM	100	10	ug/L	U	U	3	10
HAA017D	9/19/2017 13:50	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 12D	9/7/2017 14:04	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 11D	9/7/2017 12:36	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 10D	8/31/2017 14:39	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 9D	9/7/2017 9:08	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 8D	8/31/2017 14:47	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 8C	8/31/2017 13:17	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 8B	9/6/2017 0:00	CHROMIUM	100	10	ug/L	U	U	4	10
HAA 7D	8/31/2017 14:12	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 2D	8/31/2017 14:15	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 2C	8/31/2017 11:00	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 1C	8/31/2017 14:43	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 1D	9/6/2017 10:14	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 1A	8/31/2017 13:41	CHROMIUM	100	10	ug/L	U	U	3	10
HAA 13C	9/14/2017 13:26	CHROMIUM	100	9.17	ug/L	J	J	3	10
HAA 4C	9/18/2017 9:50	CHROMIUM	100	9	ug/L	J	J	3	10
HAA 15B	9/14/2017 8:43	CHROMIUM	100	8.78	ug/L	J	J	3	10
HAA 7C	8/31/2017 13:33	CHROMIUM	100	8.65	ug/L	J	J	3	10
HAA018C	9/20/2017 0:00	CHROMIUM	100	7.74	ug/L	J	J	3	10
HAA 9C	1/31/2017 8:30	CHROMIUM	100	7.5	ug/L	J	J	3	10
HAA 14C	9/18/2017 14:05	CHROMIUM	100	7.44	ug/L	J	J	3	10

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 7C	2/2/2017 14:26	CHROMIUM	100	7.28	ug/L	J	J	3	10
HAA018C	9/20/2017 9:30	CHROMIUM	100	6.92	ug/L	J	J	3	10
HAA 14C	9/18/2017 14:05	CHROMIUM	100	6.8	ug/L	J	J	4	10
HAA 2B	1/26/2017 12:58	CHROMIUM	100	6.77	ug/L	J	J	3	10
HAA021D	2/8/2017 10:25	CHROMIUM	100	6.01	ug/L	J	J	3	10
HAA 9C	9/6/2017 9:17	CHROMIUM	100	5.81	ug/L	J	J	3	10
HAA 14C	2/22/2017 0:00	CHROMIUM	100	5.8	ug/L	J	J	4	10
HAA 14C	2/22/2017 14:21	CHROMIUM	100	5.75	ug/L	J	J	3	10
HAA 12B	9/7/2017 10:34	CHROMIUM	100	5.67	ug/L	J	J	3	10
HAA 11C	9/7/2017 13:28	CHROMIUM	100	5.5	ug/L	J	J	3	10
HAA019C	9/7/2017 13:07	CHROMIUM	100	5.49	ug/L	J	J	3	10
HAA 13C	2/8/2017 8:45	CHROMIUM	100	5.29	ug/L	J	J	3	10
HAA 2D	1/26/2017 14:21	CHROMIUM	100	4.99	ug/L	J	J	3	10
HAA020D	9/7/2017 13:52	CHROMIUM	100	4.99	ug/L	J	J	3	10
HAA 4B	9/18/2017 10:30	CHROMIUM	100	4.97	ug/L	J	J	3	10
HAA017C	9/19/2017 13:00	CHROMIUM	100	4.89	ug/L	J	J	3	10
HAA 4D	9/18/2017 9:00	CHROMIUM	100	4.86	ug/L	J	J	3	10
HAA 15D	9/14/2017 10:52	CHROMIUM	100	4.79	ug/L	J	J	3	10
HAA 4C	2/22/2017 9:41	CHROMIUM	100	4.77	ug/L	J	J	3	10
HAA 2C	1/26/2017 13:59	CHROMIUM	100	4.77	ug/L	J	J	3	10
HAA 10B	8/31/2017 13:08	CHROMIUM	100	4.74	ug/L	J	J	3	10
HAA 12C	9/7/2017 13:30	CHROMIUM	100	4.73	ug/L	J	J	3	10
HAA 15C	9/14/2017 9:45	CHROMIUM	100	4.72	ug/L	J	J	3	10
HAA 10C	8/31/2017 13:57	CHROMIUM	100	4.65	ug/L	J	J	3	10
HAA 7B	8/31/2017 12:27	CHROMIUM	100	4.62	ug/L	J	J	3	10
HAA 10B	8/31/2017 0:00	CHROMIUM	100	4.59	ug/L	J	J	3	10
HAA 9B	9/5/2017 10:37	CHROMIUM	100	4.57	ug/L	J	J	3	10
HAA 4D	2/22/2017 8:58	CHROMIUM	100	4.42	ug/L	J	J	3	10
HAA 8B	9/6/2017 11:26	CHROMIUM	100	4.42	ug/L	J	J	3	10
HAA 13B	9/18/2017 13:35	CHROMIUM	100	4.37	ug/L	J	J	3	10
HAA 12B	2/2/2017 13:14	CHROMIUM	100	4.34	ug/L	J	J	3	10
HAA 11C	2/2/2017 13:27	CHROMIUM	100	4.34	ug/L	J	J	3	10
HAA 14D	9/18/2017 15:00	CHROMIUM	100	4.29	ug/L	J	J	3	10
HAA 14B	2/22/2017 15:08	CHROMIUM	100	4.24	ug/L	J	J	3	10
HAA 13B	2/8/2017 9:25	CHROMIUM	100	4.24	ug/L	J	J	3	10
HAA 12C	2/2/2017 12:10	CHROMIUM	100	4.1	ug/L	J	J	3	10
HAA 2B	8/31/2017 13:15	CHROMIUM	100	4.04	ug/L	J	J	3	10
HAA 10B	2/2/2017 0:00	CHROMIUM	100	3.97	ug/L	J	J	3	10
HAA 9B	1/26/2017 15:13	CHROMIUM	100	3.85	ug/L	J	J	3	10
HAA 7B	2/2/2017 13:22	CHROMIUM	100	3.73	ug/L	J	J	3	10
HAA 10B	2/2/2017 13:32	CHROMIUM	100	3.69	ug/L	J	J	3	10
HAA 8C	1/30/2017 13:30	CHROMIUM	100	3.69	ug/L	J	J	3	10
HAA 11B	9/7/2017 14:20	CHROMIUM	100	3.68	ug/L	J	J	3	10
HAA 1D	1/26/2017 14:26	CHROMIUM	100	3.66	ug/L	J	J	3	10
HAA 10C	2/2/2017 14:49	CHROMIUM	100	3.53	ug/L	J	J	3	10
HAA 1A	1/31/2017 10:16	CHROMIUM	100	3.24	ug/L	J	J	3	10
HAA020C	9/7/2017 13:25	CHROMIUM	100	3.12	ug/L	J	J	3	10
HAA020D	2/8/2017 9:30	CHROMIUM	100	3.11	ug/L	J	J	3	10
HAA 8B	2/8/2017 11:03	CHROMIUM	100	3.05	ug/L	J	J	3	10
HAA 4D	2/22/2017 8:58	CURIUM-242	15	0.0341	pCi/L	U	U	0.0511	0.168
HAA 4D	9/18/2017 9:00	CURIUM-242	15	0	pCi/L	U	U	0.0697	0.163
HAA 4D	9/18/2017 9:00	CURIUM-242	15	-0.00551	pCi/L	U	U	0.11	0.205
HAA 4D	2/22/2017 8:58	CURIUM-243/244	15	0.00974	pCi/L	U	U	0.104	0.212
HAA 4D	9/18/2017 9:00	CURIUM-243/244	15	-0.00304	pCi/L	U	U	0.107	0.198
HAA 4D	9/18/2017 9:00	CURIUM-243/244	15	-0.00493	pCi/L	U	U	0.0984	0.183
HAA 4D	9/18/2017 9:00	CURIUM-245/246	15	0.018	pCi/L	U	U	0.114	0.249
HAA 4D	2/22/2017 8:58	CURIUM-245/246	15	0.00931	pCi/L	U	U	0.0991	0.203
HAA 4D	9/18/2017 9:00	CURIUM-245/246	15	0	pCi/L	U	U	0.0716	0.168
HAA019D	**9/7/2017 14:14**	**GROSS ALPHA**	**15**	**16.9**	**pCi/L**			**2.95**	**11.3**
HAA 4D	9/18/2017 9:00	GROSS ALPHA	15	8.24	pCi/L	J	J	2.59	8.73
HAA 4D	2/22/2017 8:58	GROSS ALPHA	15	6.37	pCi/L	J	J	2.92	8.68
HAA 7D	8/31/2017 14:12	GROSS ALPHA	15	4.47	pCi/L	J	J	2.53	7.15
HAA 1A	8/31/2017 13:41	GROSS ALPHA	15	4.2	pCi/L	J	J	2.57	7.25
HAA 1D	1/26/2017 14:26	GROSS ALPHA	15	3.61	pCi/L	J	J	2.26	7.28
HAA 2D	8/31/2017 14:15	GROSS ALPHA	15	3.6	pCi/L	J	J	2.52	6.72
HAA 2D	1/26/2017 14:21	GROSS ALPHA	15	3.58	pCi/L	J	J	2.22	7.2
HAA 13D	9/14/2017 14:42	GROSS ALPHA	15	3.38	pCi/L	J	J	2.17	5.83
HAA021D	9/13/2017 13:40	GROSS ALPHA	15	3.37	pCi/L	J	J	2.77	7.15
HAA 1C	8/31/2017 14:43	GROSS ALPHA	15	3.3	pCi/L	J	J	2.13	5.99
HAA020D	9/7/2017 13:52	GROSS ALPHA	15	3.22	pCi/L	J	J	2.23	5.69
HAA 7B	8/31/2017 12:27	GROSS ALPHA	15	3.15	pCi/L	J	J	2.31	5.97
HAA 8D	1/30/2017 14:30	GROSS ALPHA	15	3.1	pCi/L	J	J	2.23	6.83
HAA 9B	9/5/2017 10:37	GROSS ALPHA	15	3.08	pCi/L	J	J	2.59	6.81
HAA 1D	9/6/2017 10:14	GROSS ALPHA	15	2.69	pCi/L	J	J	2.19	5.29
HAA 10B	8/31/2017 13:08	GROSS ALPHA	15	2.51	pCi/L	J	J	2.01	5.47
HAA018D	9/20/2017 10:20	GROSS ALPHA	15	2.47	pCi/L	J	J	1.75	4.71

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 7C	8/31/2017 13:33	GROSS ALPHA	15	2.46	pCi/L	J	J	2.27	5.79
HAA 9B	1/26/2017 15:13	GROSS ALPHA	15	2.17	pCi/L	U	U	2.39	6.55
HAA 12B	9/7/2017 10:34	GROSS ALPHA	15	2.1	pCi/L	U	U	2.36	5.78
HAA 8D	8/31/2017 14:47	GROSS ALPHA	15	2.1	pCi/L	U	U	2.4	5.86
HAA 13B	9/18/2017 13:35	GROSS ALPHA	15	2.08	pCi/L	U	U	2.69	6.35
HAA 13D	9/14/2017 14:42	GROSS ALPHA	15	2.01	pCi/L	U	U	2.19	5.27
HAA020C	9/7/2017 13:25	GROSS ALPHA	15	1.98	pCi/L	U	U	2.21	5.29
HAA017C	2/28/2017 13:55	GROSS ALPHA	15	1.96	pCi/L	U	U	2.24	6.02
HAA 15C	2/14/2017 9:50	GROSS ALPHA	15	1.93	pCi/L	U	U	2.21	5.94
HAA 11C	9/7/2017 13:28	GROSS ALPHA	15	1.85	pCi/L	U	U	2.36	5.54
HAA 10B	8/31/2017 0:00	GROSS ALPHA	15	1.75	pCi/L	U	U	2.47	5.79
HAA 12C	9/7/2017 13:30	GROSS ALPHA	15	1.57	pCi/L	U	U	2.27	5.23
HAA 4C	9/18/2017 9:50	GROSS ALPHA	15	1.47	pCi/L	U	U	2.57	5.73
HAA 10D	8/31/2017 14:39	GROSS ALPHA	15	1.43	pCi/L	U	U	2.22	5.14
HAA019C	9/7/2017 13:07	GROSS ALPHA	15	1.42	pCi/L	U	U	2.61	5.75
HAA 14B	2/22/2017 15:08	GROSS ALPHA	15	1.31	pCi/L	U	U	2.38	5.76
HAA 13B	2/8/2017 9:25	GROSS ALPHA	15	1.31	pCi/L	U	U	2.36	5.72
HAA 2B	1/26/2017 12:58	GROSS ALPHA	15	1.29	pCi/L	U	U	2.32	5.62
HAA021C	9/7/2017 14:11	GROSS ALPHA	15	1.29	pCi/L	U	U	1.81	4.29
HAA 4B	2/22/2017 10:22	GROSS ALPHA	15	1.28	pCi/L	U	U	2.31	5.6
HAA 7C	2/2/2017 14:26	GROSS ALPHA	15	1.27	pCi/L	U	U	2.27	5.52
HAA 8B	2/8/2017 11:03	GROSS ALPHA	15	1.25	pCi/L	U	U	2.23	5.43
HAA020D	2/8/2017 9:30	GROSS ALPHA	15	1.24	pCi/L	U	U	2.24	5.42
HAA 11D	2/2/2017 14:00	GROSS ALPHA	15	1.24	pCi/L	U	U	2.22	5.39
HAA 1A	1/31/2017 10:16	GROSS ALPHA	15	1.24	pCi/L	U	U	2.34	5.56
HAA 15D	9/14/2017 10:52	GROSS ALPHA	15	1.23	pCi/L	U	U	1.92	4.38
HAA019C	2/9/2017 12:50	GROSS ALPHA	15	1.22	pCi/L	U	U	2.29	5.46
HAA 4B	9/18/2017 10:30	GROSS ALPHA	15	1.2	pCi/L	U	U	2.32	5.14
HAA018D	2/14/2017 14:50	GROSS ALPHA	15	1.18	pCi/L	U	U	2.22	5.28
HAA 12C	2/2/2017 12:10	GROSS ALPHA	15	1.18	pCi/L	U	U	2.23	5.31
HAA021C	9/7/2017 14:11	GROSS ALPHA	15	1.15	pCi/L	U	U	2.32	5.1
HAA 14C	9/18/2017 14:05	GROSS ALPHA	15	1.13	pCi/L	U	U	2.2	4.9
HAA 14D	9/18/2017 15:00	GROSS ALPHA	15	1.08	pCi/L	U	U	2.07	4.59
HAA 2C	8/31/2017 11:00	GROSS ALPHA	15	0.974	pCi/L	U	U	2.41	5.17
HAA 8B	9/6/2017 11:26	GROSS ALPHA	15	0.968	pCi/L	U	U	2.24	4.84
HAA 15B	9/14/2017 8:43	GROSS ALPHA	15	0.959	pCi/L	U	U	2.1	4.58
HAA 11B	2/2/2017 12:43	GROSS ALPHA	15	0.895	pCi/L	U	U	2.35	5.27
HAA017C	9/19/2017 13:00	GROSS ALPHA	15	0.877	pCi/L	U	U	2.08	4.48
HAA 14C	2/22/2017 0:00	GROSS ALPHA	15	0.8763	pCi/L	U	U	1.53	3.418
HAA 1C	1/26/2017 13:14	GROSS ALPHA	15	0.86	pCi/L	U	U	2.27	5.08
HAA 7D	2/2/2017 15:00	GROSS ALPHA	15	0.859	pCi/L	U	U	2.26	5.06
HAA 2C	1/26/2017 13:59	GROSS ALPHA	15	0.851	pCi/L	U	U	2.22	4.98
HAA 14D	2/22/2017 13:33	GROSS ALPHA	15	0.841	pCi/L	U	U	2.22	4.96
HAA021C	2/8/2017 12:37	GROSS ALPHA	15	0.838	pCi/L	U	U	2.21	4.95
HAA019C	2/9/2017 12:50	GROSS ALPHA	15	0.822	pCi/L	U	U	2.28	5.02
HAA 15B	2/14/2017 8:41	GROSS ALPHA	15	0.805	pCi/L	U	U	2.23	4.91
HAA 8C	1/30/2017 13:30	GROSS ALPHA	15	0.799	pCi/L	U	U	2.22	4.87
HAA018C	2/28/2017 15:20	GROSS ALPHA	15	0.798	pCi/L	U	U	2.22	4.86
HAA 9D	1/31/2017 9:00	GROSS ALPHA	15	0.796	pCi/L	U	U	2.21	4.85
HAA 14C	2/22/2017 0:00	GROSS ALPHA	15	0.762	pCi/L	U	U	1.24	2.792
HAA 9D	9/7/2017 9:08	GROSS ALPHA	15	0.748	pCi/L	U	U	2.53	5.27
HAA017D	9/19/2017 13:50	GROSS ALPHA	15	0.741	pCi/L	U	U	1.71	3.71
HAA 9C	9/6/2017 9:17	GROSS ALPHA	15	0.677	pCi/L	U	U	2.39	5.01
HAA 15C	9/14/2017 9:45	GROSS ALPHA	15	0.668	pCi/L	U	U	1.8	3.82
HAA 8C	8/31/2017 13:17	GROSS ALPHA	15	0.639	pCi/L	U	U	2.35	4.87
HAA 11D	9/7/2017 12:36	GROSS ALPHA	15	0.622	pCi/L	U	U	1.7	3.61
HAA 12D	9/7/2017 14:04	GROSS ALPHA	15	0.506	pCi/L	U	U	1.86	3.83
HAA 10C	2/2/2017 14:49	GROSS ALPHA	15	0.461	pCi/L	U	U	2.23	4.52
HAA 13D	2/8/2017 9:48	GROSS ALPHA	15	0.46	pCi/L	U	U	2.22	4.5
HAA 14C	9/18/2017 14:05	GROSS ALPHA	15	0.432	pCi/L	U	U	1.04	2.262
HAA 12B	2/2/2017 13:14	GROSS ALPHA	15	0.43	pCi/L	U	U	2.28	4.5
HAA 10D	2/6/2017 11:03	GROSS ALPHA	15	0.428	pCi/L	U	U	2.28	4.5
HAA 13C	9/14/2017 13:26	GROSS ALPHA	15	0.426	pCi/L	U	U	2.3	4.62
HAA019D	2/9/2017 13:43	GROSS ALPHA	15	0.419	pCi/L	U	U	2.22	4.39
HAA 9C	1/31/2017 8:30	GROSS ALPHA	15	0.419	pCi/L	U	U	2.22	4.39
HAA 15D	2/14/2017 11:04	GROSS ALPHA	15	0.416	pCi/L	U	U	2.21	4.36
HAA 10C	8/31/2017 13:57	GROSS ALPHA	15	0.321	pCi/L	U	U	2.3	4.56
HAA 2B	8/31/2017 13:15	GROSS ALPHA	15	0.308	pCi/L	U	U	2.24	4.4
HAA 14C	9/18/2017 14:05	GROSS ALPHA	15	0.2063	pCi/L	U	U	1.38	2.878
HAA018C	9/20/2017 9:30	GROSS ALPHA	15	0.189	pCi/L	U	U	2.06	3.95
HAA 8B	2/8/2017 0:00	GROSS ALPHA	15	0.0927	pCi/L	U	U	1.34	2.792
HAA 10B	2/2/2017 13:32	GROSS ALPHA	15	0.0762	pCi/L	U	U	2.39	4.18
HAA 10B	2/2/2017 0:00	GROSS ALPHA	15	0.0747	pCi/L	U	U	2.41	4.21
HAA 11C	2/2/2017 13:27	GROSS ALPHA	15	0.0717	pCi/L	U	U	2.25	3.93
HAA 4C	2/22/2017 9:41	GROSS ALPHA	15	0.0696	pCi/L	U	U	2.29	4.01
HAA 14C	2/22/2017 14:21	GROSS ALPHA	15	0.0689	pCi/L	U	U	2.28	3.99

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)
HAA020C	2/8/2017 9:12	GROSS ALPHA	15	0.0684	pCi/L	U	U	2.24	3.91
HAA021D	2/8/2017 10:25	GROSS ALPHA	15	0.0655	pCi/L	U	U	2.22	3.88
HAA017D	2/14/2017 13:38	GROSS ALPHA	15	0.0374	pCi/L	U	U	2.21	3.75
HAA 12D	2/2/2017 11:02	GROSS ALPHA	15	0.0373	pCi/L	U	U	2.23	3.79
HAA 11B	9/7/2017 14:20	GROSS ALPHA	15	0.036	pCi/L	U	U	2.15	4.19
HAA 14B	9/18/2017 13:20	GROSS ALPHA	15	-0.0217	pCi/L	U	U	2.71	4.95
HAA 8B	9/6/2017 0:00	GROSS ALPHA	15	-0.0232	pCi/L	U	U	0.994	1.98
HAA 8B	9/6/2017 0:00	GROSS ALPHA	15	-0.03424	pCi/L	U	U	1.03	2.064
HAA018C	9/20/2017 0:00	GROSS ALPHA	15	-0.0429	pCi/L	U	U	2.08	3.89
HAA 13C	2/8/2017 8:45	GROSS ALPHA	15	-0.33	pCi/L	U	U	2.26	2.83
HAA 7B	2/2/2017 13:22	GROSS ALPHA	15	-0.332	pCi/L	U	U	2.31	2.89
HAA018C	2/28/2017 0:00	GROSS ALPHA	15	-0.344	pCi/L	U	U	2.22	2.51
HAA 10D	8/31/2017 14:39	MANGANESE	430[a]	370	ug/L			1	5
HAA 10D	2/6/2017 11:03	MANGANESE	430[a]	360	ug/L			1	5
HAA019D	2/9/2017 13:43	MANGANESE	430[a]	194	ug/L			1	5
HAA018D	2/14/2017 14:50	MANGANESE	430[a]	162	ug/L			1	5
HAA017C	2/28/2017 13:55	MANGANESE	430[a]	161	ug/L		J	1	5
HAA019D	9/7/2017 14:14	MANGANESE	430[a]	158	ug/L			1	5
HAA017C	9/19/2017 13:00	MANGANESE	430[a]	133	ug/L			1	5
HAA018D	9/20/2017 10:20	MANGANESE	430[a]	124	ug/L			5	25
HAA017D	2/14/2017 13:38	MANGANESE	430[a]	60.6	ug/L			1	5
HAA021D	2/8/2017 10:25	MANGANESE	430[a]	55.4	ug/L			1	5
HAA017D	9/19/2017 13:50	MANGANESE	430[a]	51.3	ug/L			1	5
HAA021D	9/13/2017 13:40	MANGANESE	430[a]	51.2	ug/L			1	5
HAA 8C	8/31/2017 13:17	MANGANESE	430[a]	40.7	ug/L			1	5
HAA 8C	1/30/2017 13:30	MANGANESE	430[a]	38.3	ug/L			1	5
HAA 1C	8/31/2017 14:43	MANGANESE	430[a]	38.3	ug/L			1	5
HAA 1C	1/26/2017 13:14	MANGANESE	430[a]	37.6	ug/L			1	5
HAA 4D	9/18/2017 9:00	MANGANESE	430[a]	33	ug/L			1	5
HAA 4D	2/22/2017 8:58	MANGANESE	430[a]	30.2	ug/L			1	5
HAA 2C	1/26/2017 13:59	MANGANESE	430[a]	26.3	ug/L			1	5
HAA 12C	2/2/2017 12:10	MANGANESE	430[a]	22	ug/L			1	5
HAA 2C	8/31/2017 11:00	MANGANESE	430[a]	19.2	ug/L			1	5
HAA018C	9/20/2017 9:30	MANGANESE	430[a]	18.8	ug/L			1	5
HAA021C	9/7/2017 14:11	MANGANESE	430[a]	18.6	ug/L			1	5
HAA 8D	1/30/2017 14:30	MANGANESE	430[a]	17.6	ug/L			1	5
HAA021C	2/8/2017 12:37	MANGANESE	430[a]	17.4	ug/L			1	5
HAA018C	9/20/2017 0:00	MANGANESE	430[a]	15.9	ug/L			1	5
HAA 8D	8/31/2017 14:47	MANGANESE	430[a]	14.9	ug/L			1	5
HAA 12C	9/7/2017 13:30	MANGANESE	430[a]	14.6	ug/L			1	5
HAA 7C	8/31/2017 13:33	MANGANESE	430[a]	13.2	ug/L			1	5
HAA 7C	2/2/2017 14:26	MANGANESE	430[a]	12.2	ug/L			1	5
HAA 13D	9/14/2017 14:42	MANGANESE	430[a]	11.8	ug/L			1	5
HAA 15C	9/14/2017 9:45	MANGANESE	430[a]	10.7	ug/L			1	5
HAA020D	9/7/2017 13:52	MANGANESE	430[a]	9.18	ug/L			1	5
HAA 15C	2/14/2017 9:50	MANGANESE	430[a]	8.65	ug/L			1	5
HAA 2D	1/26/2017 14:21	MANGANESE	430[a]	8.5	ug/L			1	5
HAA018C	2/28/2017 15:20	MANGANESE	430[a]	7.44	ug/L		J	1	5
HAA018C	2/28/2017 0:00	MANGANESE	430[a]	7.25	ug/L		J	1	5
HAA 2D	8/31/2017 14:15	MANGANESE	430[a]	7.04	ug/L			1	5
HAA 10C	8/31/2017 13:57	MANGANESE	430[a]	6.39	ug/L			1	5
HAA020D	2/8/2017 9:30	MANGANESE	430[a]	6.22	ug/L			1	5
HAA 1D	9/6/2017 10:14	MANGANESE	430[a]	5.11	ug/L			1	5
HAA019C	2/9/2017 12:50	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 14B	2/22/2017 15:08	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 14C	2/22/2017 14:21	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 13B	2/8/2017 9:25	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 13C	2/8/2017 8:45	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 12B	2/2/2017 13:14	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 11B	2/2/2017 12:43	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 10B	2/2/2017 0:00	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 10B	2/2/2017 13:32	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 9B	1/26/2017 15:13	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4C	2/22/2017 9:41	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4B	2/22/2017 10:22	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 2B	1/26/2017 12:58	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 1A	1/31/2017 10:16	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 14C	9/18/2017 14:05	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 13C	9/14/2017 13:26	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 13B	9/18/2017 13:35	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 12B	9/7/2017 10:34	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 11C	9/7/2017 13:28	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 11B	9/7/2017 14:20	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 9B	9/5/2017 10:37	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4B	9/18/2017 10:30	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 4C	9/18/2017 9:50	MANGANESE	430[a]	5	ug/L	U	U	1	5

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 1A	8/31/2017 13:41	MANGANESE	430[a]	5	ug/L	U	U	1	5
HAA 9C	9/6/2017 9:17	MANGANESE	430[a]	4.85	ug/L	J	J	1	5
HAA 13D	2/8/2017 9:48	MANGANESE	430[a]	4.07	ug/L	J	J	1	5
HAA 9D	9/7/2017 9:08	MANGANESE	430[a]	4.07	ug/L	J	J	1	5
HAA 10C	2/2/2017 14:49	MANGANESE	430[a]	4.06	ug/L	J	J	1	5
HAA 9D	1/31/2017 9:00	MANGANESE	430[a]	3.85	ug/L	J	J	1	5
HAA 9C	1/31/2017 8:30	MANGANESE	430[a]	3.85	ug/L	J	J	1	5
HAA 7D	8/31/2017 14:12	MANGANESE	430[a]	3.84	ug/L	J	J	1	5
HAA020C	9/7/2017 13:25	MANGANESE	430[a]	3.64	ug/L	J	J	1	5
HAA 1D	1/26/2017 14:26	MANGANESE	430[a]	3.53	ug/L	J	J	1	5
HAA 14D	9/18/2017 15:00	MANGANESE	430[a]	3.3	ug/L	J	J	1	5
HAA 7D	2/2/2017 15:00	MANGANESE	430[a]	3.24	ug/L	J	J	1	5
HAA 8B	9/6/2017 11:26	MANGANESE	430[a]	3	ug/L	J	J	1	5
HAA 8B	9/6/2017 0:00	MANGANESE	430[a]	3	ug/L			0.9	2
HAA 8B	2/8/2017 11:03	MANGANESE	430[a]	2.7	ug/L	J	J	1	5
HAA 14D	2/22/2017 13:33	MANGANESE	430[a]	2.61	ug/L	J	J	1	5
HAA019C	9/7/2017 13:07	MANGANESE	430[a]	2.52	ug/L	J	J	1	5
HAA 8B	2/8/2017 0:00	MANGANESE	430[a]	2.5	ug/L			0.9	2
HAA 11D	9/7/2017 12:36	MANGANESE	430[a]	2.44	ug/L	J	J	1	5
HAA 11D	2/2/2017 14:00	MANGANESE	430[a]	2.32	ug/L	J	J	1	5
HAA 7B	8/31/2017 12:27	MANGANESE	430[a]	2.27	ug/L	J	J	1	5
HAA 7B	2/2/2017 13:22	MANGANESE	430[a]	2.12	ug/L	J	J	1	5
HAA020C	2/8/2017 9:12	MANGANESE	430[a]	2.06	ug/L	J	J	1	5
HAA 14C	2/22/2017 0:00	MANGANESE	430[a]	2	ug/L	U	U	0.9	2
HAA 15B	2/14/2017 8:41	MANGANESE	430[a]	1.86	ug/L	J	J	1	5
HAA 11C	2/2/2017 13:27	MANGANESE	430[a]	1.72	ug/L	J	J	1	5
HAA 12D	9/7/2017 14:04	MANGANESE	430[a]	1.69	ug/L	J	J	1	5
HAA 14B	9/18/2017 13:20	MANGANESE	430[a]	1.51	ug/L	J	J	1	5
HAA 10B	8/31/2017 0:00	MANGANESE	430[a]	1.5	ug/L	J	J	1	5
HAA 2B	8/31/2017 13:15	MANGANESE	430[a]	1.5	ug/L	J	J	1	5
HAA 12D	2/2/2017 11:02	MANGANESE	430[a]	1.46	ug/L	J	J	1	5
HAA 15D	2/14/2017 11:04	MANGANESE	430[a]	1.43	ug/L	J	J	1	5
HAA 10B	8/31/2017 13:08	MANGANESE	430[a]	1.38	ug/L	J	J	1	5
HAA 15D	9/14/2017 10:52	MANGANESE	430[a]	1.3	ug/L	J	J	1	5
HAA 15B	9/14/2017 8:43	MANGANESE	430[a]	1.26	ug/L	J	J	1	5
HAA 14C	9/18/2017 14:05	MANGANESE	430[a]	0.9	ug/L	J	J	0.9	2
HAA 4D	2/22/2017 8:58	NEPTUNIUM-237	15	-0.117	pCi/L	U	U	0.455	0.721
HAA 4D	9/18/2017 9:00	NEPTUNIUM-237	15	-0.181	pCi/L	U	U	0.581	0.907
HAA 4D	9/18/2017 9:00	NEPTUNIUM-237	15	-0.253	pCi/L	U	U	0.81	1.34
HAA 4D	2/22/2017 8:58	NITRATE-NITRITE AS NITROGEN	10	7.43	mg/L			0.351	0.9
HAA 4D	9/18/2017 9:00	NITRATE-NITRITE AS NITROGEN	10	7.34	mg/L			0.39	1
HAA 12C	2/2/2017 12:10	NITRATE-NITRITE AS NITROGEN	10	3.83	mg/L			0.078	0.2
HAA 12C	9/7/2017 13:30	NITRATE-NITRITE AS NITROGEN	10	3.43	mg/L			0.078	0.2
HAA 11D	2/2/2017 14:00	NITRATE-NITRITE AS NITROGEN	10	2.92	mg/L			0.078	0.2
HAA 11D	9/7/2017 12:36	NITRATE-NITRITE AS NITROGEN	10	2.63	mg/L			0.078	0.2
HAA 12D	2/2/2017 11:02	NITRATE-NITRITE AS NITROGEN	10	2.47	mg/L			0.078	0.2
HAA 8C	8/31/2017 13:17	NITRATE-NITRITE AS NITROGEN	10	2.24	mg/L			0.078	0.2
HAA021D	2/8/2017 10:25	NITRATE-NITRITE AS NITROGEN	10	2.21	mg/L			0.078	0.2
HAA 12D	9/7/2017 14:04	NITRATE-NITRITE AS NITROGEN	10	2.16	mg/L		J	0.078	0.2
HAA021D	9/13/2017 13:40	NITRATE-NITRITE AS NITROGEN	10	2.06	mg/L			0.078	0.2
HAA 8C	1/30/2017 13:30	NITRATE-NITRITE AS NITROGEN	10	2.05	mg/L			0.078	0.2
HAA 15D	2/14/2017 11:04	NITRATE-NITRITE AS NITROGEN	10	1.98	mg/L			0.078	0.2
HAA 4B	9/18/2017 10:30	NITRATE-NITRITE AS NITROGEN	10	1.93	mg/L			0.078	0.2
HAA017D	2/14/2017 13:38	NITRATE-NITRITE AS NITROGEN	10	1.89	mg/L			0.078	0.2
HAA 9C	9/6/2017 9:17	NITRATE-NITRITE AS NITROGEN	10	1.89	mg/L			0.078	0.2
HAA 15D	9/14/2017 10:52	NITRATE-NITRITE AS NITROGEN	10	1.84	mg/L			0.078	0.2
HAA 13D	2/8/2017 9:48	NITRATE-NITRITE AS NITROGEN	10	1.79	mg/L			0.078	0.2
HAA018D	9/20/2017 10:20	NITRATE-NITRITE AS NITROGEN	10	1.79	mg/L			0.078	0.2
HAA019D	2/9/2017 13:43	NITRATE-NITRITE AS NITROGEN	10	1.78	mg/L			0.078	0.2
HAA 4B	2/22/2017 10:22	NITRATE-NITRITE AS NITROGEN	10	1.75	mg/L			0.078	0.2
HAA018D	2/14/2017 14:50	NITRATE-NITRITE AS NITROGEN	10	1.7	mg/L			0.078	0.2
HAA 13D	9/14/2017 14:42	NITRATE-NITRITE AS NITROGEN	10	1.69	mg/L			0.078	0.2
HAA 10C	8/31/2017 13:57	NITRATE-NITRITE AS NITROGEN	10	1.67	mg/L			0.078	0.2
HAA 9C	1/31/2017 8:30	NITRATE-NITRITE AS NITROGEN	10	1.64	mg/L			0.078	0.2
HAA019D	9/7/2017 14:14	NITRATE-NITRITE AS NITROGEN	10	1.64	mg/L			0.078	0.2
HAA 10C	2/2/2017 14:49	NITRATE-NITRITE AS NITROGEN	10	1.61	mg/L			0.078	0.2
HAA 15B	2/14/2017 8:41	NITRATE-NITRITE AS NITROGEN	10	1.48	mg/L			0.078	0.2
HAA 1D	9/6/2017 10:14	NITRATE-NITRITE AS NITROGEN	10	1.48	mg/L			0.078	0.2
HAA 15C	2/14/2017 9:50	NITRATE-NITRITE AS NITROGEN	10	1.46	mg/L			0.078	0.2
HAA 15C	9/14/2017 9:45	NITRATE-NITRITE AS NITROGEN	10	1.45	mg/L			0.078	0.2
HAA 15B	9/14/2017 8:43	NITRATE-NITRITE AS NITROGEN	10	1.45	mg/L			0.078	0.2
HAA 10B	2/2/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	1.43	mg/L			0.078	0.2
HAA 10B	2/2/2017 13:32	NITRATE-NITRITE AS NITROGEN	10	1.33	mg/L			0.078	0.2
HAA 7D	8/31/2017 14:12	NITRATE-NITRITE AS NITROGEN	10	1.32	mg/L			0.078	0.2
HAA 9D	1/31/2017 9:00	NITRATE-NITRITE AS NITROGEN	10	1.31	mg/L			0.078	0.2
HAA 14D	9/18/2017 15:00	NITRATE-NITRITE AS NITROGEN	10	1.3	mg/L			0.078	0.2

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)
HAA020D	9/7/2017 13:52	NITRATE-NITRITE AS NITROGEN	10	1.27	mg/L		J	0.078	0.2
HAA020D	2/8/2017 9:30	NITRATE-NITRITE AS NITROGEN	10	1.24	mg/L			0.078	0.2
HAA 8D	8/31/2017 14:47	NITRATE-NITRITE AS NITROGEN	10	1.23	mg/L			0.078	0.2
HAA 7D	2/2/2017 15:00	NITRATE-NITRITE AS NITROGEN	10	1.22	mg/L			0.078	0.2
HAA 8D	1/30/2017 14:30	NITRATE-NITRITE AS NITROGEN	10	1.21	mg/L			0.078	0.2
HAA021C	9/7/2017 14:11	NITRATE-NITRITE AS NITROGEN	10	1.13	mg/L			0.078	0.2
HAA 9D	9/7/2017 9:08	NITRATE-NITRITE AS NITROGEN	10	1.13	mg/L			0.078	0.2
HAA021C	2/8/2017 12:37	NITRATE-NITRITE AS NITROGEN	10	1.1	mg/L			0.078	0.2
HAA 11C	9/7/2017 13:28	NITRATE-NITRITE AS NITROGEN	10	1.06	mg/L			0.078	0.2
HAA 14D	2/22/2017 13:33	NITRATE-NITRITE AS NITROGEN	10	1.02	mg/L			0.078	0.2
HAA 11C	2/2/2017 13:27	NITRATE-NITRITE AS NITROGEN	10	1	mg/L			0.078	0.2
HAA 10B	8/31/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.944	mg/L			0.078	0.2
HAA 10B	8/31/2017 13:08	NITRATE-NITRITE AS NITROGEN	10	0.942	mg/L			0.078	0.2
HAA 11B	9/7/2017 14:20	NITRATE-NITRITE AS NITROGEN	10	0.894	mg/L			0.078	0.2
HAA 11B	2/2/2017 12:43	NITRATE-NITRITE AS NITROGEN	10	0.818	mg/L			0.0078	0.02
HAA020C	2/8/2017 9:12	NITRATE-NITRITE AS NITROGEN	10	0.81	mg/L			0.0078	0.02
HAA019C	9/7/2017 13:07	NITRATE-NITRITE AS NITROGEN	10	0.782	mg/L			0.078	0.2
HAA019C	2/9/2017 12:50	NITRATE-NITRITE AS NITROGEN	10	0.78	mg/L			0.0078	0.02
HAA020C	9/7/2017 13:25	NITRATE-NITRITE AS NITROGEN	10	0.766	mg/L		J	0.078	0.2
HAA 2D	1/26/2017 14:21	NITRATE-NITRITE AS NITROGEN	10	0.704	mg/L			0.0078	0.02
HAA 2D	8/31/2017 14:15	NITRATE-NITRITE AS NITROGEN	10	0.626	mg/L			0.0078	0.02
HAA 10D	2/6/2017 11:03	NITRATE-NITRITE AS NITROGEN	10	0.562	mg/L			0.0078	0.02
HAA 2C	1/26/2017 13:59	NITRATE-NITRITE AS NITROGEN	10	0.561	mg/L			0.0078	0.02
HAA017C	9/19/2017 13:00	NITRATE-NITRITE AS NITROGEN	10	0.515	mg/L			0.0078	0.02
HAA 2C	8/31/2017 11:00	NITRATE-NITRITE AS NITROGEN	10	0.515	mg/L			0.0078	0.02
HAA 14C	9/18/2017 14:05	NITRATE-NITRITE AS NITROGEN	10	0.49	mg/L			0.022	0.05
HAA 14C	2/22/2017 14:21	NITRATE-NITRITE AS NITROGEN	10	0.478	mg/L			0.0078	0.02
HAA 14C	9/18/2017 14:05	NITRATE-NITRITE AS NITROGEN	10	0.462	mg/L			0.0078	0.02
HAA 14C	2/22/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.46	mg/L			0.011	0.05
HAA 4C	2/22/2017 9:41	NITRATE-NITRITE AS NITROGEN	10	0.425	mg/L			0.0078	0.02
HAA 13B	9/18/2017 13:35	NITRATE-NITRITE AS NITROGEN	10	0.416	mg/L			0.0078	0.02
HAA 4C	9/18/2017 9:50	NITRATE-NITRITE AS NITROGEN	10	0.416	mg/L			0.0078	0.02
HAA 13B	9/18/2017 13:35	NITRATE-NITRITE AS NITROGEN	10	0.413	mg/L			0.0078	0.02
HAA 10D	8/31/2017 14:39	NITRATE-NITRITE AS NITROGEN	10	0.406	mg/L			0.0078	0.02
HAA 13C	9/14/2017 13:26	NITRATE-NITRITE AS NITROGEN	10	0.345	mg/L			0.0078	0.02
HAA 13C	9/14/2017 13:26	NITRATE-NITRITE AS NITROGEN	10	0.345	mg/L			0.0078	0.02
HAA 13C	2/8/2017 8:45	NITRATE-NITRITE AS NITROGEN	10	0.34	mg/L			0.0078	0.02
HAA 13B	2/8/2017 9:25	NITRATE-NITRITE AS NITROGEN	10	0.298	mg/L			0.0078	0.02
HAA 9B	9/5/2017 10:37	NITRATE-NITRITE AS NITROGEN	10	0.224	mg/L			0.0078	0.02
HAA 14B	2/22/2017 15:08	NITRATE-NITRITE AS NITROGEN	10	0.207	mg/L			0.0078	0.02
HAA 14B	2/22/2017 15:08	NITRATE-NITRITE AS NITROGEN	10	0.205	mg/L			0.0078	0.02
HAA 14B	9/18/2017 13:20	NITRATE-NITRITE AS NITROGEN	10	0.193	mg/L			0.0078	0.02
HAA017D	9/19/2017 13:50	NITRATE-NITRITE AS NITROGEN	10	0.171	mg/L			0.0078	0.02
HAA 12B	9/7/2017 10:34	NITRATE-NITRITE AS NITROGEN	10	0.155	mg/L			0.0078	0.02
HAA017C	2/28/2017 13:55	NITRATE-NITRITE AS NITROGEN	10	0.14	mg/L			0.0078	0.02
HAA 1D	1/26/2017 14:26	NITRATE-NITRITE AS NITROGEN	10	0.139	mg/L			0.039	0.1
HAA018C	9/20/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.131	mg/L			0.0078	0.02
HAA018C	2/28/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.13	mg/L			0.0078	0.02
HAA 9B	1/26/2017 15:13	NITRATE-NITRITE AS NITROGEN	10	0.13	mg/L			0.0078	0.02
HAA018C	9/20/2017 9:30	NITRATE-NITRITE AS NITROGEN	10	0.128	mg/L			0.0078	0.02
HAA018C	9/20/2017 9:30	NITRATE-NITRITE AS NITROGEN	10	0.127	mg/L			0.0078	0.02
HAA018C	2/28/2017 15:20	NITRATE-NITRITE AS NITROGEN	10	0.123	mg/L			0.0078	0.02
HAA 12B	2/2/2017 13:14	NITRATE-NITRITE AS NITROGEN	10	0.119	mg/L			0.0078	0.02
HAA 2B	1/26/2017 12:58	NITRATE-NITRITE AS NITROGEN	10	0.111	mg/L			0.0078	0.02
HAA 8B	2/8/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.11	mg/L			0.011	0.05
HAA 2B	1/26/2017 12:58	NITRATE-NITRITE AS NITROGEN	10	0.11	mg/L			0.0078	0.02
HAA 2B	8/31/2017 13:15	NITRATE-NITRITE AS NITROGEN	10	0.0939	mg/L			0.0078	0.02
HAA 8B	9/6/2017 11:26	NITRATE-NITRITE AS NITROGEN	10	0.0933	mg/L			0.0078	0.02
HAA 2B	8/31/2017 13:15	NITRATE-NITRITE AS NITROGEN	10	0.0922	mg/L			0.0078	0.02
HAA 7B	8/31/2017 12:27	NITRATE-NITRITE AS NITROGEN	10	0.0851	mg/L			0.0078	0.02
HAA 7B	8/31/2017 12:27	NITRATE-NITRITE AS NITROGEN	10	0.0849	mg/L			0.0078	0.02
HAA 8B	9/6/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.084	mg/L			0.022	0.05
HAA 8B	2/8/2017 11:03	NITRATE-NITRITE AS NITROGEN	10	0.082	mg/L			0.0078	0.02
HAA 8B	2/8/2017 0:00	NITRATE-NITRITE AS NITROGEN	10	0.0783	mg/L			0.011	0.05
HAA 7B	2/2/2017 13:22	NITRATE-NITRITE AS NITROGEN	10	0.0748	mg/L			0.0078	0.02
HAA 7B	2/2/2017 13:22	NITRATE-NITRITE AS NITROGEN	10	0.0736	mg/L			0.0078	0.02
HAA 1A	8/31/2017 13:41	NITRATE-NITRITE AS NITROGEN	10	0.0684	mg/L		J	0.0078	0.02
HAA 1A	8/31/2017 13:41	NITRATE-NITRITE AS NITROGEN	10	0.0452	mg/L		J	0.0078	0.02
HAA 7C	8/31/2017 13:33	NITRATE-NITRITE AS NITROGEN	10	0.0423	mg/L			0.0078	0.02
HAA 1A	1/31/2017 10:16	NITRATE-NITRITE AS NITROGEN	10	0.0367	mg/L			0.0078	0.02
HAA 1A	1/31/2017 10:16	NITRATE-NITRITE AS NITROGEN	10	0.0361	mg/L			0.0078	0.02
HAA 7C	2/2/2017 14:26	NITRATE-NITRITE AS NITROGEN	10	0.034	mg/L			0.0078	0.02
HAA 1C	1/26/2017 13:14	NITRATE-NITRITE AS NITROGEN	10	0.02	mg/L	U	U	0.0078	0.02
HAA 1C	8/31/2017 14:43	NITRATE-NITRITE AS NITROGEN	10	0.02	mg/L	U	U	0.0078	0.02
HAA 4D	9/18/2017 9:00	NONVOLATILE BETA	50	28.9	pCi/L			2.64	10.1
HAA 4D	2/22/2017 8:58	NONVOLATILE BETA	50	22.7	pCi/L			2.94	9.62

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 12C	9/7/2017 13:30	NONVOLATILE BETA	50	9.73	pCi/L			2.99	8.13
HAA 7D	8/31/2017 14:12	NONVOLATILE BETA	50	8.16	pCi/L			3.13	7.99
HAA 12C	2/2/2017 12:10	NONVOLATILE BETA	50	7.32	pCi/L	J	J	3.97	10.8
HAA019D	9/7/2017 14:14	NONVOLATILE BETA	50	6.61	pCi/L	J	J	3.15	7.53
HAA 10D	2/6/2017 11:03	NONVOLATILE BETA	50	5.26	pCi/L	J	J	3.96	10.2
HAA 1C	8/31/2017 14:43	NONVOLATILE BETA	50	4.65	pCi/L	J	J	2.91	7.01
HAA 12B	9/7/2017 10:34	NONVOLATILE BETA	50	4.55	pCi/L	J	J	2.2	5.72
HAA 10B	8/31/2017 0:00	NONVOLATILE BETA	50	4.51	pCi/L	J	J	2.83	6.85
HAA 15C	9/14/2017 9:45	NONVOLATILE BETA	50	4.22	pCi/L	J	J	3.02	7.16
HAA 13D	9/14/2017 14:42	NONVOLATILE BETA	50	4.12	pCi/L	J	J	2.93	6.97
HAA 15C	2/14/2017 9:50	NONVOLATILE BETA	50	3.99	pCi/L	J	J	3.99	9.85
HAA 1A	8/31/2017 13:41	NONVOLATILE BETA	50	3.94	pCi/L	J	J	2.92	6.9
HAA018D	9/20/2017 10:20	NONVOLATILE BETA	50	3.91	pCi/L	J	J	3.48	8
HAA 7C	8/31/2017 13:33	NONVOLATILE BETA	50	3.87	pCi/L	J	J	3.11	7.25
HAA 4B	9/18/2017 10:30	NONVOLATILE BETA	50	3.85	pCi/L	J	J	3.16	7.34
HAA 10D	8/31/2017 14:39	NONVOLATILE BETA	50	3.84	pCi/L	J	J	3.2	7.4
HAA 9D	9/7/2017 9:08	NONVOLATILE BETA	50	3.78	pCi/L	J	J	3.08	7.18
HAA 11B	9/7/2017 14:20	NONVOLATILE BETA	50	3.68	pCi/L	J	J	3.07	7.15
HAA 8C	8/31/2017 13:17	NONVOLATILE BETA	50	3.67	pCi/L	J	J	2.99	6.97
HAA 12D	2/2/2017 11:02	NONVOLATILE BETA	50	3.64	pCi/L	U	U	3.94	9.66
HAA 1D	1/26/2017 14:26	NONVOLATILE BETA	50	3.6	pCi/L	U	U	4.69	11.1
HAA 14B	2/22/2017 15:08	NONVOLATILE BETA	50	3.54	pCi/L	U	U	4.4	10.5
HAA020D	9/7/2017 13:52	NONVOLATILE BETA	50	3.48	pCi/L	J	J	2.34	5.6
HAA 8D	1/30/2017 14:30	NONVOLATILE BETA	50	3.46	pCi/L	U	U	4.02	9.74
HAA 10B	8/31/2017 13:08	NONVOLATILE BETA	50	3.41	pCi/L	J	J	3.15	7.27
HAA020C	9/7/2017 13:25	NONVOLATILE BETA	50	3.18	pCi/L	J	J	2.53	5.97
HAA 13B	2/8/2017 9:25	NONVOLATILE BETA	50	3.06	pCi/L	U	U	4.4	10.4
HAA 2D	8/31/2017 14:15	NONVOLATILE BETA	50	2.9	pCi/L	U	U	3.41	7.69
HAA 1D	9/6/2017 10:14	NONVOLATILE BETA	50	2.88	pCi/L	J	J	2.24	5.3
HAA018C	9/20/2017 9:30	NONVOLATILE BETA	50	2.86	pCi/L	U	U	2.87	6.57
HAA019C	2/9/2017 12:50	NONVOLATILE BETA	50	2.66	pCi/L	U	U	3.97	9.38
HAA 13C	2/8/2017 8:45	NONVOLATILE BETA	50	2.52	pCi/L	U	U	4.17	9.74
HAA 1C	1/26/2017 13:14	NONVOLATILE BETA	50	2.44	pCi/L	U	U	4.34	10
HAA 7B	8/31/2017 12:27	NONVOLATILE BETA	50	2.43	pCi/L	U	U	3.16	7.08
HAA018C	2/28/2017 15:20	NONVOLATILE BETA	50	2.42	pCi/L	U	U	3.96	9.28
HAA 12D	9/7/2017 14:04	NONVOLATILE BETA	50	2.41	pCi/L	U	U	2.59	5.95
HAA 2B	1/26/2017 12:58	NONVOLATILE BETA	50	2.34	pCi/L	U	U	4.4	10.1
HAA 13C	9/14/2017 13:26	NONVOLATILE BETA	50	2.22	pCi/L	U	U	2.72	6.14
HAA 2B	8/31/2017 13:15	NONVOLATILE BETA	50	2.22	pCi/L	U	U	3.22	7.16
HAA021C	2/8/2017 12:37	NONVOLATILE BETA	50	2.2	pCi/L	U	U	4.33	9.94
HAA 14D	2/22/2017 13:33	NONVOLATILE BETA	50	2.2	pCi/L	U	U	4.33	9.94
HAA 1A	1/31/2017 10:16	NONVOLATILE BETA	50	2.17	pCi/L	U	U	3.99	9.25
HAA 13D	9/14/2017 14:42	NONVOLATILE BETA	50	2.16	pCi/L	U	U	2.85	6.41
HAA 9C	9/6/2017 9:17	NONVOLATILE BETA	50	2.05	pCi/L	U	U	2.2	5.04
HAA019C	9/7/2017 13:07	NONVOLATILE BETA	50	2.02	pCi/L	J	J	1.7	4
HAA 11C	9/7/2017 13:28	NONVOLATILE BETA	50	1.92	pCi/L	U	U	3.54	7.78
HAA021D	9/13/2017 13:40	NONVOLATILE BETA	50	1.83	pCi/L	U	U	3.99	8.71
HAA 2C	8/31/2017 11:00	NONVOLATILE BETA	50	1.81	pCi/L	U	U	3.05	6.73
HAA018C	2/28/2017 0:00	NONVOLATILE BETA	50	1.79	pCi/L	U	U	3.93	9
HAA 8D	8/31/2017 14:47	NONVOLATILE BETA	50	1.79	pCi/L	U	U	2.87	6.35
HAA017D	2/14/2017 13:38	NONVOLATILE BETA	50	1.76	pCi/L	U	U	3.94	9
HAA021C	9/7/2017 14:11	NONVOLATILE BETA	50	1.76	pCi/L	U	U	2.03	4.69
HAA 7D	2/2/2017 15:00	NONVOLATILE BETA	50	1.73	pCi/L	U	U	4.33	9.79
HAA021D	2/8/2017 10:25	NONVOLATILE BETA	50	1.7	pCi/L	U	U	4.22	9.55
HAA018D	2/14/2017 14:50	NONVOLATILE BETA	50	1.7	pCi/L	U	U	3.97	9.03
HAA 9B	9/5/2017 10:37	NONVOLATILE BETA	50	1.67	pCi/L	U	U	3.53	7.71
HAA 11D	9/7/2017 12:36	NONVOLATILE BETA	50	1.61	pCi/L	U	U	2.12	4.84
HAA018C	9/20/2017 0:00	NONVOLATILE BETA	50	1.58	pCi/L	U	U	2.93	6.43
HAA 15D	9/14/2017 10:52	NONVOLATILE BETA	50	1.57	pCi/L	U	U	2.88	6.32
HAA 10C	8/31/2017 13:57	NONVOLATILE BETA	50	1.47	pCi/L	U	U	3.37	7.33
HAA 14B	9/18/2017 13:20	NONVOLATILE BETA	50	1.4	pCi/L	U	U	3.26	7.08
HAA 4B	2/22/2017 10:22	NONVOLATILE BETA	50	1.39	pCi/L	U	U	4.39	9.8
HAA020D	2/8/2017 9:30	NONVOLATILE BETA	50	1.38	pCi/L	U	U	4.38	9.77
HAA 14C	2/22/2017 0:00	NONVOLATILE BETA	50	1.377	pCi/L	J	J	1.06	2.488
HAA021C	9/7/2017 14:11	NONVOLATILE BETA	50	1.31	pCi/L	U	U	2.01	4.51
HAA 15D	2/14/2017 11:04	NONVOLATILE BETA	50	1.27	pCi/L	U	U	3.95	8.83
HAA 4C	9/18/2017 9:50	NONVOLATILE BETA	50	1.27	pCi/L	U	U	2.81	6.11
HAA019C	2/9/2017 12:50	NONVOLATILE BETA	50	1.23	pCi/L	U	U	3.98	8.89
HAA 8B	2/8/2017 0:00	NONVOLATILE BETA	50	1.06	pCi/L	J	J	1.05	2.4
HAA 9C	1/31/2017 8:30	NONVOLATILE BETA	50	1.04	pCi/L	U	U	3.95	8.75
HAA017D	9/19/2017 13:50	NONVOLATILE BETA	50	1.04	pCi/L	U	U	2.85	6.17
HAA 15B	2/14/2017 8:41	NONVOLATILE BETA	50	1.02	pCi/L	U	U	3.96	8.76
HAA 11B	2/2/2017 12:43	NONVOLATILE BETA	50	1.02	pCi/L	U	U	4.35	9.57
HAA 8C	1/30/2017 13:30	NONVOLATILE BETA	50	1.02	pCi/L	U	U	3.96	8.76
HAA017C	2/28/2017 13:55	NONVOLATILE BETA	50	0.953	pCi/L	U	U	3.99	8.79
HAA 14D	9/18/2017 15:00	NONVOLATILE BETA	50	0.945	pCi/L	U	U	2.85	6.11

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 15B	9/14/2017 8:43	NONVOLATILE BETA	50	0.936	pCi/L	U	U	2.71	5.81
HAA 14C	9/18/2017 14:05	NONVOLATILE BETA	50	0.81	pCi/L	J	J	0.801	1.855
HAA019D	2/9/2017 13:43	NONVOLATILE BETA	50	0.807	pCi/L	U	U	3.95	8.65
HAA 14C	2/22/2017 14:21	NONVOLATILE BETA	50	0.754	pCi/L	U	U	4.23	9.23
HAA 2D	1/26/2017 14:21	NONVOLATILE BETA	50	0.741	pCi/L	U	U	4.69	10.2
HAA 9B	1/26/2017 15:13	NONVOLATILE BETA	50	0.712	pCi/L	U	U	4.51	9.79
HAA 8B	9/6/2017 0:00	NONVOLATILE BETA	50	0.633	pCi/L	U	U	0.856	1.93
HAA 8B	9/6/2017 0:00	NONVOLATILE BETA	50	0.607	pCi/L	U	U	0.874	1.962
HAA 13B	9/18/2017 13:35	NONVOLATILE BETA	50	0.585	pCi/L	U	U	3.34	7.08
HAA 14C	9/18/2017 14:05	NONVOLATILE BETA	50	0.557	pCi/L	U	U	3.13	6.63
HAA 4C	2/22/2017 9:41	NONVOLATILE BETA	50	0.517	pCi/L	U	U	4.23	9.14
HAA 14C	9/18/2017 14:05	NONVOLATILE BETA	50	0.4861	pCi/L	U	U	1.13	2.484
HAA 8B	9/6/2017 11:26	NONVOLATILE BETA	50	0.392	pCi/L	U	U	2.99	6.29
HAA020C	2/8/2017 9:12	NONVOLATILE BETA	50	0.278	pCi/L	U	U	4.22	9.03
HAA 7C	2/2/2017 14:26	NONVOLATILE BETA	50	0.198	pCi/L	U	U	4.39	9.35
HAA 11D	2/2/2017 14:00	NONVOLATILE BETA	50	0.195	pCi/L	U	U	4.38	9.33
HAA 14C	2/22/2017 0:00	NONVOLATILE BETA	50	0.165	pCi/L	U	U	0.865	1.879
HAA 9D	1/31/2017 9:00	NONVOLATILE BETA	50	0.0827	pCi/L	U	U	3.96	8.37
HAA 12B	2/2/2017 13:14	NONVOLATILE BETA	50	-0.13	pCi/L	U	U	3.96	8.29
HAA 10C	2/2/2017 14:49	NONVOLATILE BETA	50	-0.303	pCi/L	U	U	4.28	8.91
HAA 10B	2/2/2017 0:00	NONVOLATILE BETA	50	-0.437	pCi/L	U	U	4.25	8.8
HAA017C	9/19/2017 13:00	NONVOLATILE BETA	50	-0.577	pCi/L	U	U	2.95	6.03
HAA 13D	2/8/2017 9:48	NONVOLATILE BETA	50	-1.02	pCi/L	U	U	4.28	8.61
HAA 2C	1/26/2017 13:59	NONVOLATILE BETA	50	-1.36	pCi/L	U	U	4.33	8.58
HAA 8B	2/8/2017 11:03	NONVOLATILE BETA	50	-1.47	pCi/L	U	U	4.39	8.66
HAA 11C	2/2/2017 13:27	NONVOLATILE BETA	50	-1.62	pCi/L	U	U	4.23	8.21
HAA 10B	2/2/2017 13:32	NONVOLATILE BETA	50	-1.63	pCi/L	U	U	4.25	8.26
HAA 7B	2/2/2017 13:22	NONVOLATILE BETA	50	-2	pCi/L	U	U	4.18	7.92
HAA 11B	9/7/2017 14:20	PH	NA	10.6	pH				
HAA 11B	2/2/2017 12:43	PH	NA	10.5	pH				
HAA 4B	2/22/2017 10:22	PH	NA	10.3	pH				
HAA 4B	9/18/2017 10:30	PH	NA	10.3	pH				
HAA 13B	2/8/2017 9:25	PH	NA	8.5	pH				
HAA 13B	9/18/2017 13:35	PH	NA	8.4	pH				
HAA 10B	8/31/2017 13:08	PH	NA	8.3	pH				
HAA 14B	2/22/2017 15:08	PH	NA	8	pH				
HAA 14B	9/18/2017 13:20	PH	NA	7.8	pH				
HAA 12B	9/7/2017 10:34	PH	NA	7.6	pH				
HAA 1A	1/31/2017 10:16	PH	NA	7.5	pH				
HAA 1C	8/31/2017 14:43	PH	NA	7.5	pH				
HAA 1A	8/31/2017 13:41	PH	NA	7.4	pH				
HAA 2B	1/26/2017 12:58	PH	NA	7.1	pH				
HAA 10B	2/2/2017 13:32	PH	NA	6.9	pH				
HAA019C	2/9/2017 12:50	PH	NA	6.9	pH				
HAA019C	9/7/2017 13:07	PH	NA	6.9	pH				
HAA 2B	8/31/2017 13:15	PH	NA	6.8	pH				
HAA 9B	9/5/2017 10:37	PH	NA	6.8	pH				
HAA 4C	2/22/2017 9:41	PH	NA	6.7	pH				
HAA 14C	9/18/2017 14:05	PH	NA	6.7	pH				
HAA020C	9/7/2017 13:25	PH	NA	6.7	pH				
HAA 15B	9/14/2017 8:43	PH	NA	6.6	pH				
HAA020C	2/8/2017 9:12	PH	NA	6.6	pH				
HAA 1C	1/26/2017 13:14	PH	NA	6.5	pH				
HAA 14C	2/22/2017 14:21	PH	NA	6.4	pH				
HAA 15B	2/14/2017 8:41	PH	NA	6.4	pH				
HAA021C	9/7/2017 14:11	PH	NA	6.4	pH				
HAA 4C	9/18/2017 9:50	PH	NA	6.3	pH				
HAA 7C	8/31/2017 13:33	PH	NA	6.3	pH				
HAA 12B	2/2/2017 13:14	PH	NA	6.3	pH				
HAA 15C	2/14/2017 9:50	PH	NA	6.3	pH				
HAA 15C	9/14/2017 9:45	PH	NA	6.3	pH				
HAA020D	9/7/2017 13:52	PH	NA	6.3	pH				
HAA 13C	2/8/2017 8:45	PH	NA	6.2	pH				
HAA020D	2/8/2017 9:30	PH	NA	6.2	pH				
HAA 7C	2/2/2017 14:26	PH	NA	6.1	pH				
HAA 10C	2/2/2017 14:49	PH	NA	6	pH				
HAA 13C	9/14/2017 13:26	PH	NA	6	pH				
HAA 7B	8/31/2017 12:27	PH	NA	5.9	pH				
HAA 11C	2/2/2017 13:27	PH	NA	5.9	pH				
HAA 10C	8/31/2017 13:57	PH	NA	5.8	pH				
HAA 11C	9/7/2017 13:28	PH	NA	5.8	pH				
HAA017C	2/28/2017 13:55	PH	NA	5.8	pH				
HAA017C	9/19/2017 13:00	PH	NA	5.8	pH				
HAA017D	2/14/2017 13:38	PH	NA	5.7	pH				
HAA 7B	2/2/2017 13:22	PH	NA	5.6	pH				
HAA 9B	1/26/2017 15:13	PH	NA	5.6	pH				

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 9C	9/6/2017 9:17	PH	NA	5.6	pH				
HAA018C	2/28/2017 15:20	PH	NA	5.6	pH				
HAA 1D	1/26/2017 14:26	PH	NA	5.4	pH				
HAA 2C	8/31/2017 11:00	PH	NA	5.4	pH				
HAA 8C	8/31/2017 13:17	PH	NA	5.4	pH				
HAA 9C	1/31/2017 8:30	PH	NA	5.4	pH				
HAA 15D	9/14/2017 10:52	PH	NA	5.4	pH				
HAA018C	9/20/2017 9:30	PH	NA	5.4	pH				
HAA019D	2/9/2017 13:43	PH	NA	5.4	pH				
HAA 15D	2/14/2017 11:04	PH	NA	5.3	pH				
HAA018D	2/14/2017 14:50	PH	NA	5.3	pH				
HAA021D	9/13/2017 13:40	PH	NA	5.3	pH				
HAA 8D	8/31/2017 14:47	PH	NA	5.2	pH				
HAA 9D	1/31/2017 9:00	PH	NA	5.2	pH				
HAA021C	2/8/2017 12:37	PH	NA	5.2	pH				
HAA 10D	8/31/2017 14:39	PH	NA	5.1	pH				
HAA 13D	9/14/2017 14:42	PH	NA	5.1	pH				
HAA017D	9/19/2017 13:50	PH	NA	5.1	pH				
HAA 8B	2/8/2017 11:03	PH	NA	5	pH				
HAA 10D	2/6/2017 11:03	PH	NA	5	pH				
HAA 12C	2/2/2017 12:10	PH	NA	5	pH				
HAA 14D	9/18/2017 15:00	PH	NA	5	pH				
HAA019D	9/7/2017 14:14	PH	NA	5	pH				
HAA 8C	1/30/2017 13:30	PH	NA	4.9	pH				
HAA 13D	2/8/2017 9:48	PH	NA	4.9	pH				
HAA018D	9/20/2017 10:20	PH	NA	4.9	pH				
HAA021D	2/8/2017 10:25	PH	NA	4.8	pH				
HAA 8D	1/30/2017 14:30	PH	NA	4.7	pH				
HAA 11D	2/2/2017 14:00	PH	NA	4.7	pH				
HAA 14D	2/22/2017 13:33	PH	NA	4.7	pH				
HAA 2D	8/31/2017 14:15	PH	NA	4.6	pH				
HAA 7D	8/31/2017 14:12	PH	NA	4.6	pH				
HAA 12C	9/7/2017 13:30	PH	NA	4.6	pH				
HAA 2C	1/26/2017 13:59	PH	NA	4.5	pH				
HAA 11D	9/7/2017 12:36	PH	NA	4.5	pH				
HAA 12D	2/2/2017 11:02	PH	NA	4.5	pH				
HAA 2D	1/26/2017 14:21	PH	NA	4.2	pH				
HAA 4D	2/22/2017 8:58	PH	NA	4.2	pH				
HAA 4D	9/18/2017 9:00	PH	NA	4.2	pH				
HAA 7D	2/2/2017 15:00	PH	NA	4.1	pH				
HAA 8B	9/6/2017 11:26	PH	NA	3.8	pH				
HAA 9D	9/7/2017 9:08	PH	NA	3.7	pH				
HAA 12D	9/7/2017 14:04	PH	NA	3.5	pH				
HAA 1D	9/6/2017 10:14	PH	NA	3.4	pH				
HAA 4D	9/18/2017 9:00	PLUTONIUM-238	15	0.0688	pCi/L	U	U	0.108	0.282
HAA 4D	9/18/2017 9:00	PLUTONIUM-238	15	0.0232	pCi/L	U	U	0.0697	0.201
HAA 4D	2/22/2017 8:58	PLUTONIUM-238	15	-0.00867	pCi/L	U	U	0.304	0.564
HAA 4D	2/22/2017 8:58	PLUTONIUM-239/240	15	0.0225	pCi/L	U	U	0.24	0.49
HAA 4D	9/18/2017 9:00	PLUTONIUM-239/240	15	0.000929	pCi/L	U	U	0.153	0.291
HAA 4D	9/18/2017 9:00	PLUTONIUM-239/240	15	-0.0086	pCi/L	U	U	0.145	0.264
HAA 4D	9/18/2017 9:00	PLUTONIUM-242	15	0.0398	pCi/L	U	U	0.129	0.287
HAA 4D	9/18/2017 9:00	PLUTONIUM-242	15	-0.0279	pCi/L	U	U	0.163	0.269
HAA 4D	2/22/2017 8:58	PLUTONIUM-242	15	-0.052	pCi/L	U	U	0.304	0.501
HAA 10D	2/6/2017 11:03	SODIUM	NA	14700	ug/L			80	250
HAA 10D	8/31/2017 14:39	SODIUM	NA	13500	ug/L			80	250
HAA 10B	2/2/2017 13:32	SODIUM	NA	9620	ug/L			80	250
HAA 10B	2/2/2017 0:00	SODIUM	NA	8150	ug/L			80	250
HAA 2B	8/31/2017 13:15	SODIUM	NA	6810	ug/L			80	250
HAA 8C	8/31/2017 13:17	SODIUM	NA	6760	ug/L			80	250
HAA 2B	1/26/2017 12:58	SODIUM	NA	6630	ug/L			80	250
HAA 8C	1/30/2017 13:30	SODIUM	NA	6410	ug/L			80	250
HAA 8D	1/30/2017 14:30	SODIUM	NA	6190	ug/L			80	250
HAA 8D	8/31/2017 14:47	SODIUM	NA	5920	ug/L			80	250
HAA 15D	2/14/2017 11:04	SODIUM	NA	5660	ug/L			80	250
HAA 9D	1/31/2017 9:00	SODIUM	NA	5570	ug/L			80	250
HAA019D	2/9/2017 13:43	SODIUM	NA	5300	ug/L			80	250
HAA 15D	9/14/2017 10:52	SODIUM	NA	5300	ug/L			80	250
HAA019D	9/7/2017 14:14	SODIUM	NA	5250	ug/L			80	250
HAA 1D	1/26/2017 14:26	SODIUM	NA	4860	ug/L			80	250
HAA 9D	9/7/2017 9:08	SODIUM	NA	4830	ug/L			80	250
HAA 10B	8/31/2017 0:00	SODIUM	NA	4750	ug/L			80	250
HAA 10B	8/31/2017 13:08	SODIUM	NA	4550	ug/L			80	250
HAA020D	2/8/2017 9:30	SODIUM	NA	4520	ug/L			80	250
HAA 12D	9/7/2017 14:04	SODIUM	NA	4370	ug/L			80	250
HAA021D	2/8/2017 10:25	SODIUM	NA	4220	ug/L			80	250
HAA 4B	2/22/2017 10:22	SODIUM	NA	4060	ug/L			80	250

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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)
HAA020D	9/7/2017 13:52	SODIUM	NA	4060	ug/L			80	250
HAA 4B	9/18/2017 10:30	SODIUM	NA	4030	ug/L			80	250
HAA 12D	2/2/2017 11:02	SODIUM	NA	4000	ug/L			80	250
HAA021D	9/13/2017 13:40	SODIUM	NA	3870	ug/L			80	250
HAA018D	2/14/2017 14:50	SODIUM	NA	3760	ug/L			80	250
HAA 12B	9/7/2017 10:34	SODIUM	NA	3680	ug/L			80	250
HAA 13B	2/8/2017 9:25	SODIUM	NA	3640	ug/L			80	250
HAA017D	2/14/2017 13:38	SODIUM	NA	3620	ug/L			80	250
HAA018D	9/20/2017 10:20	SODIUM	NA	3600	ug/L			80	250
HAA 7D	2/2/2017 15:00	SODIUM	NA	3490	ug/L			80	250
HAA 12B	2/2/2017 13:14	SODIUM	NA	3470	ug/L			80	250
HAA 13B	9/18/2017 13:35	SODIUM	NA	3400	ug/L			80	250
HAA020C	2/8/2017 9:12	SODIUM	NA	3350	ug/L			80	250
HAA 15C	2/14/2017 9:50	SODIUM	NA	3280	ug/L			80	250
HAA017D	9/19/2017 13:50	SODIUM	NA	3270	ug/L			80	250
HAA 10C	8/31/2017 13:57	SODIUM	NA	3270	ug/L			80	250
HAA 2D	1/26/2017 14:21	SODIUM	NA	3220	ug/L			80	250
HAA 12C	9/7/2017 13:30	SODIUM	NA	3160	ug/L			80	250
HAA 14B	2/22/2017 15:08	SODIUM	NA	3130	ug/L			80	250
HAA 9C	9/6/2017 9:17	SODIUM	NA	3130	ug/L			80	250
HAA 12C	2/2/2017 12:10	SODIUM	NA	3120	ug/L			80	250
HAA 13D	2/8/2017 9:48	SODIUM	NA	3090	ug/L			80	250
HAA 11B	9/7/2017 14:20	SODIUM	NA	3020	ug/L			80	250
HAA 15C	9/14/2017 9:45	SODIUM	NA	3010	ug/L			80	250
HAA 2D	8/31/2017 14:15	SODIUM	NA	3010	ug/L			80	250
HAA 10C	2/2/2017 14:49	SODIUM	NA	2990	ug/L			80	250
HAA 11B	2/2/2017 12:43	SODIUM	NA	2980	ug/L			80	250
HAA021C	2/8/2017 12:37	SODIUM	NA	2960	ug/L			80	250
HAA 7D	8/31/2017 14:12	SODIUM	NA	2880	ug/L			80	250
HAA 9B	1/26/2017 15:13	SODIUM	NA	2850	ug/L			80	250
HAA 9B	9/5/2017 10:37	SODIUM	NA	2810	ug/L			80	250
HAA 9C	1/31/2017 8:30	SODIUM	NA	2790	ug/L			80	250
HAA020C	9/7/2017 13:25	SODIUM	NA	2760	ug/L			80	250
HAA021C	9/7/2017 14:11	SODIUM	NA	2740	ug/L			80	250
HAA 7B	8/31/2017 12:27	SODIUM	NA	2560	ug/L			80	250
HAA 7C	8/31/2017 13:33	SODIUM	NA	2560	ug/L			80	250
HAA 13D	9/14/2017 14:42	SODIUM	NA	2530	ug/L			80	250
HAA 4D	2/22/2017 8:58	SODIUM	NA	2480	ug/L			80	250
HAA 7C	2/2/2017 14:26	SODIUM	NA	2460	ug/L			80	250
HAA 7B	2/2/2017 13:22	SODIUM	NA	2460	ug/L			80	250
HAA 14C	9/18/2017 14:05	SODIUM	NA	2400	ug/L			45	100
HAA 15B	2/14/2017 8:41	SODIUM	NA	2380	ug/L			80	250
HAA 4D	9/18/2017 9:00	SODIUM	NA	2380	ug/L			80	250
HAA 1D	9/6/2017 10:14	SODIUM	NA	2380	ug/L			80	250
HAA 1C	8/31/2017 14:43	SODIUM	NA	2310	ug/L			80	250
HAA 15B	9/14/2017 8:43	SODIUM	NA	2300	ug/L			80	250
HAA 14B	9/18/2017 13:20	SODIUM	NA	2200	ug/L			80	250
HAA 1A	8/31/2017 13:41	SODIUM	NA	2200	ug/L			80	250
HAA 14D	2/22/2017 13:33	SODIUM	NA	2160	ug/L			80	250
HAA 1C	1/26/2017 13:14	SODIUM	NA	2160	ug/L			80	250
HAA017C	2/28/2017 13:55	SODIUM	NA	2130	ug/L			80	250
HAA 1A	1/31/2017 10:16	SODIUM	NA	2060	ug/L			80	250
HAA 13C	9/14/2017 13:26	SODIUM	NA	2060	ug/L			80	250
HAA 13C	2/8/2017 8:45	SODIUM	NA	2040	ug/L			80	250
HAA 14C	2/22/2017 0:00	SODIUM	NA	2000	ug/L			20	50
HAA019C	2/9/2017 12:50	SODIUM	NA	1990	ug/L			80	250
HAA 14C	2/22/2017 14:21	SODIUM	NA	1980	ug/L			80	250
HAA018C	2/28/2017 0:00	SODIUM	NA	1960	ug/L			80	250
HAA 14D	9/18/2017 15:00	SODIUM	NA	1950	ug/L			80	250
HAA018C'	2/28/2017 15:20	SODIUM	NA	1930	ug/L			80	250
HAA 11C	2/2/2017 13:27	SODIUM	NA	1920	ug/L			80	250
HAA 11C	9/7/2017 13:28	SODIUM	NA	1920	ug/L			80	250
HAA 8B	2/8/2017 11:03	SODIUM	NA	1910	ug/L			80	250
HAA019C	9/7/2017 13:07	SODIUM	NA	1900	ug/L			80	250
HAA017C	9/19/2017 13:00	SODIUM	NA	1870	ug/L			80	250
HAA 14C	9/18/2017 14:05	SODIUM	NA	1860	ug/L			80	250
HAA018C	9/20/2017 0:00	SODIUM	NA	1850	ug/L			80	250
HAA018C	9/20/2017 9:30	SODIUM	NA	1810	ug/L			80	250
HAA 8B	2/8/2017 0:00	SODIUM	NA	1800	ug/L			20	50
HAA 8B	9/6/2017 0:00	SODIUM	NA	1800	ug/L			45	100
HAA 8B	9/6/2017 11:26	SODIUM	NA	1760	ug/L			80	250
HAA 2C	8/31/2017 11:00	SODIUM	NA	1750	ug/L			80	250
HAA 2C	1/26/2017 13:59	SODIUM	NA	1740	ug/L			80	250
HAA 4C	2/22/2017 9:41	SODIUM	NA	1730	ug/L			80	250
HAA 4C	9/18/2017 9:50	SODIUM	NA	1570	ug/L			80	250
HAA 11D	2/2/2017 14:00	SODIUM	NA	1210	ug/L			80	250

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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	9/7/2017 12:36	SODIUM	NA	1090	ug/L			80	250
HAA 9B	1/26/2017 15:13	SPECIFIC CONDUCTANCE	NA	226	uS/cm				
HAA 9B	9/5/2017 10:37	SPECIFIC CONDUCTANCE	NA	226	uS/cm				
HAA 11B	9/7/2017 14:20	SPECIFIC CONDUCTANCE	NA	220	uS/cm				
HAA 14B	9/18/2017 13:20	SPECIFIC CONDUCTANCE	NA	206	uS/cm				
HAA 14B	2/22/2017 15:08	SPECIFIC CONDUCTANCE	NA	198	uS/cm				
HAA 11B	2/2/2017 12:43	SPECIFIC CONDUCTANCE	NA	185	uS/cm				
HAA 10B	2/2/2017 13:32	SPECIFIC CONDUCTANCE	NA	182	uS/cm				
HAA 4B	9/18/2017 10:30	SPECIFIC CONDUCTANCE	NA	178	uS/cm				
HAA 13B	9/18/2017 13:35	SPECIFIC CONDUCTANCE	NA	178	uS/cm				
HAA 13B	2/8/2017 9:25	SPECIFIC CONDUCTANCE	NA	174	uS/cm				
HAA 10B	8/31/2017 13:08	SPECIFIC CONDUCTANCE	NA	169	uS/cm				
HAA 1A	1/31/2017 10:16	SPECIFIC CONDUCTANCE	NA	157	uS/cm				
HAA 1A	8/31/2017 13:41	SPECIFIC CONDUCTANCE	NA	156	uS/cm				
HAA 1C	8/31/2017 14:43	SPECIFIC CONDUCTANCE	NA	123	uS/cm				
HAA 12B	9/7/2017 10:34	SPECIFIC CONDUCTANCE	NA	123	uS/cm				
HAA 4B	2/22/2017 10:22	SPECIFIC CONDUCTANCE	NA	121	uS/cm				
HAA 4C	9/18/2017 9:50	SPECIFIC CONDUCTANCE	NA	119	uS/cm				
HAA 4C	2/22/2017 9:41	SPECIFIC CONDUCTANCE	NA	115	uS/cm				
HAA019C	2/9/2017 12:50	SPECIFIC CONDUCTANCE	NA	112	uS/cm				
HAA 14C	2/22/2017 14:21	SPECIFIC CONDUCTANCE	NA	110	uS/cm				
HAA 14C	9/18/2017 14:05	SPECIFIC CONDUCTANCE	NA	110	uS/cm				
HAA019C	9/7/2017 13:07	SPECIFIC CONDUCTANCE	NA	106	uS/cm				
HAA 4D	9/18/2017 9:00	SPECIFIC CONDUCTANCE	NA	99	uS/cm				
HAA 4D	2/22/2017 8:58	SPECIFIC CONDUCTANCE	NA	97	uS/cm				
HAA 2B	1/26/2017 12:58	SPECIFIC CONDUCTANCE	NA	96	uS/cm				
HAA 1C	1/26/2017 13:14	SPECIFIC CONDUCTANCE	NA	95	uS/cm				
HAA 10D	2/6/2017 11:03	SPECIFIC CONDUCTANCE	NA	90	uS/cm				
HAA 12B	2/2/2017 13:14	SPECIFIC CONDUCTANCE	NA	90	uS/cm				
HAA 2B	8/31/2017 13:15	SPECIFIC CONDUCTANCE	NA	88	uS/cm				
HAA 13C	2/8/2017 8:45	SPECIFIC CONDUCTANCE	NA	86	uS/cm				
HAA 13C	9/14/2017 13:26	SPECIFIC CONDUCTANCE	NA	86	uS/cm				
HAA 10D	8/31/2017 14:39	SPECIFIC CONDUCTANCE	NA	85	uS/cm				
HAA020C	2/8/2017 9:12	SPECIFIC CONDUCTANCE	NA	79	uS/cm				
HAA 15B	9/14/2017 8:43	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
HAA 15B	2/14/2017 8:41	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
HAA020C	9/7/2017 13:25	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
HAA 7C	2/2/2017 14:26	SPECIFIC CONDUCTANCE	NA	55	uS/cm				
HAA 7C	8/31/2017 13:33	SPECIFIC CONDUCTANCE	NA	55	uS/cm				
HAA 8C	1/30/2017 13:30	SPECIFIC CONDUCTANCE	NA	55	uS/cm				
HAA 8C	8/31/2017 13:17	SPECIFIC CONDUCTANCE	NA	55	uS/cm				
HAA 9C	9/6/2017 9:17	SPECIFIC CONDUCTANCE	NA	55	uS/cm				
HAA019D	2/9/2017 13:43	SPECIFIC CONDUCTANCE	NA	54	uS/cm				
HAA 12C	9/7/2017 13:30	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA 1D	1/26/2017 14:26	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA 8D	1/30/2017 14:30	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA 12C	2/2/2017 12:10	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
HAA019D	9/7/2017 14:14	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
HAA 8D	8/31/2017 14:47	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 11C	2/2/2017 13:27	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 9C	1/31/2017 8:30	SPECIFIC CONDUCTANCE	NA	49	uS/cm				
HAA018D	2/14/2017 14:50	SPECIFIC CONDUCTANCE	NA	49	uS/cm				
HAA 7D	8/31/2017 14:12	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
HAA 7D	2/2/2017 15:00	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11D	2/2/2017 14:00	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11D	9/7/2017 12:36	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11C	9/7/2017 13:28	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 15D	2/14/2017 11:04	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 10C	2/2/2017 14:49	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 15D	9/14/2017 10:52	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA020D	9/7/2017 13:52	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 10C	8/31/2017 13:57	SPECIFIC CONDUCTANCE	NA	44	uS/cm				
HAA 13D	2/8/2017 9:48	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA020D	2/8/2017 9:30	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 9D	1/31/2017 9:00	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 1D	9/6/2017 10:14	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 12D	9/7/2017 14:04	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 15C	2/14/2017 9:50	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 15C	9/14/2017 9:45	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA018D	9/20/2017 10:20	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA 7B	2/2/2017 13:22	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 12D	2/2/2017 11:02	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 7B	8/31/2017 12:27	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
HAA 9D	9/7/2017 9:08	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
HAA021D	2/8/2017 10:25	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
HAA021D	9/13/2017 13:40	SPECIFIC CONDUCTANCE	NA	38	uS/cm				

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 8B	2/8/2017 11:03	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA 8B	9/6/2017 11:26	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA017D	2/14/2017 13:38	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA017C	2/28/2017 13:55	SPECIFIC CONDUCTANCE	NA	35	uS/cm				
HAA017D	9/19/2017 13:50	SPECIFIC CONDUCTANCE	NA	34	uS/cm				
HAA 13D	9/14/2017 14:42	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 14D	2/22/2017 13:33	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 14D	9/18/2017 15:00	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 2D	1/26/2017 14:21	SPECIFIC CONDUCTANCE	NA	32	uS/cm				
HAA 2D	8/31/2017 14:15	SPECIFIC CONDUCTANCE	NA	32	uS/cm				
HAA017C	9/19/2017 13:00	SPECIFIC CONDUCTANCE	NA	32	uS/cm				
HAA018C	9/20/2017 9:30	SPECIFIC CONDUCTANCE	NA	27	uS/cm				
HAA018C	2/28/2017 15:20	SPECIFIC CONDUCTANCE	NA	26	uS/cm				
HAA021C	2/8/2017 12:37	SPECIFIC CONDUCTANCE	NA	25	uS/cm				
HAA021C	9/7/2017 14:11	SPECIFIC CONDUCTANCE	NA	25	uS/cm				
HAA 2C	1/26/2017 13:59	SPECIFIC CONDUCTANCE	NA	20	uS/cm				
HAA 2C	8/31/2017 11:00	SPECIFIC CONDUCTANCE	NA	20	uS/cm				
HAA 15C	2/14/2017 9:50	TECHNETIUM-99	900	11.7	pCi/L			4.15	9.75
HAA 15C	9/14/2017 9:45	TECHNETIUM-99	900	10.1	pCi/L	J	J	7.41	16.5
HAA 4B	2/22/2017 10:22	TECHNETIUM-99	900	7.9	pCi/L	J	J	4.2	9.65
HAA 12C	2/2/2017 12:10	TECHNETIUM-99	900	7.68	pCi/L	J	J	4.21	9.66
HAA 13C	2/8/2017 8:45	TECHNETIUM-99	900	7.21	pCi/L	J	J	4.21	9.64
HAA 10C	2/2/2017 14:49	TECHNETIUM-99	900	7.15	pCi/L	J	J	4.24	9.69
HAA 12C	9/7/2017 13:30	TECHNETIUM-99	900	6.62	pCi/L	U	U	7.17	15.9
HAA 10D	2/6/2017 11:03	TECHNETIUM-99	900	6.23	pCi/L	J	J	4.32	9.81
HAA 13C	2/8/2017 8:45	TECHNETIUM-99	900	5.88	pCi/L	J	J	4.21	9.56
HAA 4B	9/18/2017 10:30	TECHNETIUM-99	900	4.42	pCi/L	U	U	6.85	15
HAA 15D	9/14/2017 10:52	TECHNETIUM-99	900	4.05	pCi/L	U	U	8.69	19
HAA 12B	9/7/2017 10:34	TECHNETIUM-99	900	3.66	pCi/L	U	U	9.26	20.2
HAA 9D	1/31/2017 9:00	TECHNETIUM-99	900	3.58	pCi/L	U	U	4.05	9.07
HAA020C	2/8/2017 9:12	TECHNETIUM-99	900	3.31	pCi/L	U	U	4.23	9.45
HAA 8B	2/8/2017 11:03	TECHNETIUM-99	900	3.16	pCi/L	U	U	4.08	9.12
HAA 15B	2/14/2017 8:41	TECHNETIUM-99	900	2.94	pCi/L	U	U	4.15	9.25
HAA 9C	1/31/2017 8:30	TECHNETIUM-99	900	2.94	pCi/L	U	U	4.05	9.03
HAA 10D	8/31/2017 14:39	TECHNETIUM-99	900	2.88	pCi/L	U	U	7.21	15.8
HAA019D	2/9/2017 13:43	TECHNETIUM-99	900	2.87	pCi/L	U	U	4.1	9.13
HAA021C	2/8/2017 12:37	TECHNETIUM-99	900	2.84	pCi/L	U	U	4.22	9.39
HAA 9B	1/26/2017 15:13	TECHNETIUM-99	900	2.72	pCi/L	U	U	4.31	9.6
HAA 1A	1/31/2017 10:16	TECHNETIUM-99	900	2.71	pCi/L	U	U	4.04	9.01
HAA018C	9/20/2017 0:00	TECHNETIUM-99	900	2.7	pCi/L	U	U	6.98	15.2
HAA 12D	9/7/2017 14:04	TECHNETIUM-99	900	2.67	pCi/L	U	U	7.75	16.9
HAA 13B	2/8/2017 9:25	TECHNETIUM-99	900	2.61	pCi/L	U	U	4.06	9.04
HAA020D	9/7/2017 13:52	TECHNETIUM-99	900	2.58	pCi/L	U	U	7.77	16.9
HAA 12D	2/2/2017 11:02	TECHNETIUM-99	900	2.38	pCi/L	U	U	4.24	9.42
HAA 13D	2/8/2017 9:48	TECHNETIUM-99	900	2.07	pCi/L	U	U	4.21	9.33
HAA 14C	2/22/2017 14:21	TECHNETIUM-99	900	1.95	pCi/L	U	U	4.2	9.31
HAA 7D	2/2/2017 15:00	TECHNETIUM-99	900	1.92	pCi/L	U	U	4.26	9.44
HAA 4D	9/18/2017 9:00	TECHNETIUM-99	900	1.88	pCi/L	U	U	7.38	16.1
HAA 2B	1/26/2017 12:58	TECHNETIUM-99	900	1.76	pCi/L	U	U	4.33	9.57
HAA021C	9/7/2017 14:11	TECHNETIUM-99	900	1.65	pCi/L	U	U	8.12	17.6
HAA021D	2/8/2017 10:25	TECHNETIUM-99	900	1.64	pCi/L	U	U	4.21	9.31
HAA018D	2/14/2017 14:50	TECHNETIUM-99	900	1.63	pCi/L	U	U	4.15	9.18
HAA 4C	9/18/2017 9:50	TECHNETIUM-99	900	1.57	pCi/L	U	U	6.52	14.2
HAA 12B	2/2/2017 13:14	TECHNETIUM-99	900	1.48	pCi/L	U	U	4.31	9.51
HAA 14D	2/22/2017 13:33	TECHNETIUM-99	900	1.38	pCi/L	U	U	4.2	9.27
HAA 8C	1/30/2017 13:30	TECHNETIUM-99	900	1.38	pCi/L	U	U	4.16	9.18
HAA019C	2/9/2017 12:50	TECHNETIUM-99	900	1.26	pCi/L	U	U	4.09	9.03
HAA 10B	8/31/2017 0:00	TECHNETIUM-99	900	1.26	pCi/L	U	U	7	15.2
HAA 7C	2/2/2017 14:26	TECHNETIUM-99	900	1.22	pCi/L	U	U	4.26	9.4
HAA 15B	9/14/2017 8:43	TECHNETIUM-99	900	1.1	pCi/L	U	U	6.97	15.2
HAA018C	2/28/2017 15:20	TECHNETIUM-99	900	1.01	pCi/L	U	U	4.2	9.25
HAA017C	2/28/2017 13:55	TECHNETIUM-99	900	0.781	pCi/L	U	U	4.2	9.23
HAA 11C	9/7/2017 13:28	TECHNETIUM-99	900	0.751	pCi/L	U	U	7.94	17.2
HAA 8D	1/30/2017 14:30	TECHNETIUM-99	900	0.737	pCi/L	U	U	4.15	9.13
HAA018C	2/28/2017 0:00	TECHNETIUM-99	900	0.689	pCi/L	U	U	4.2	9.23
HAA 9B	9/5/2017 10:37	TECHNETIUM-99	900	0.628	pCi/L	U	U	7.55	16.4
HAA 7B	2/2/2017 13:22	TECHNETIUM-99	900	0.623	pCi/L	U	U	4.26	9.35
HAA 4C	2/22/2017 9:41	TECHNETIUM-99	900	0.551	pCi/L	U	U	4.2	9.22
HAA 2C	1/26/2017 13:59	TECHNETIUM-99	900	0.486	pCi/L	U	U	4.33	9.5
HAA018C	9/20/2017 9:30	TECHNETIUM-99	900	0.482	pCi/L	U	U	6.92	15
HAA 14B	2/22/2017 15:08	TECHNETIUM-99	900	0.391	pCi/L	U	U	4.2	9.21
HAA 4D	2/22/2017 8:58	TECHNETIUM-99	900	0.348	pCi/L	U	U	4.63	9.93
HAA 11C	2/2/2017 13:27	TECHNETIUM-99	900	0.346	pCi/L	U	U	4.24	9.29
HAA 1D	1/26/2017 14:26	TECHNETIUM-99	900	0.346	pCi/L	U	U	4.33	9.48
HAA 4C	2/22/2017 9:41	TECHNETIUM-99	900	0.321	pCi/L	U	U	4.2	9.2
HAA 2D	1/26/2017 14:21	TECHNETIUM-99	900	0.3	pCi/L	U	U	4.32	9.47

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 15D	2/14/2017 11:04	TECHNETIUM-99	900	0.298	pCi/L	U	U	4.15	9.09
HAA020D	2/8/2017 9:30	TECHNETIUM-99	900	0.254	pCi/L	U	U	4.22	9.25
HAA 10B	2/2/2017 0:00	TECHNETIUM-99	900	0.161	pCi/L	U	U	4.25	9.31
HAA 8B	9/6/2017 0:00	TECHNETIUM-99	900	0.00942	pCi/L	U	U	1.94	4.2
HAA 11D	2/2/2017 14:00	TECHNETIUM-99	900	-0.276	pCi/L	U	U	4.22	9.22
HAA 13D	9/14/2017 14:42	TECHNETIUM-99	900	-0.317	pCi/L	U	U	6.72	14.5
HAA 14C	9/18/2017 14:05	TECHNETIUM-99	900	-0.384	pCi/L	U	U	2.05	4.43
HAA 11B	2/2/2017 12:43	TECHNETIUM-99	900	-0.389	pCi/L	U	U	4.21	9.18
HAA 8B	9/6/2017 0:00	TECHNETIUM-99	900	-0.3964	pCi/L	U	U	1.86	4
HAA 1C	1/26/2017 13:14	TECHNETIUM-99	900	-0.416	pCi/L	U	U	4.34	9.46
HAA 15D	9/14/2017 10:52	TECHNETIUM-99	900	-0.425	pCi/L	U	U	6.59	14.3
HAA 14B	9/18/2017 13:20	TECHNETIUM-99	900	-0.444	pCi/L	U	U	7.48	16.2
HAA017D	9/19/2017 13:50	TECHNETIUM-99	900	-0.499	pCi/L	U	U	6.87	14.9
HAA017D	2/14/2017 13:38	TECHNETIUM-99	900	-0.505	pCi/L	U	U	4.15	9.03
HAA 2C	8/31/2017 11:00	TECHNETIUM-99	900	-0.511	pCi/L	U	U	6.93	15
HAA 14C	2/22/2017 0:00	TECHNETIUM-99	900	-0.583	pCi/L	U	U	1.92	4.12
HAA 7C	8/31/2017 13:33	TECHNETIUM-99	900	-0.602	pCi/L	U	U	7.51	16.3
HAA 8B	2/8/2017 0:00	TECHNETIUM-99	900	-0.621	pCi/L	U	U	1.88	4.04
HAA 12D	9/7/2017 14:04	TECHNETIUM-99	900	-0.64	pCi/L	U	U	7.45	16.1
HAA 7B	8/31/2017 12:27	TECHNETIUM-99	900	-0.672	pCi/L	U	U	7.41	16
HAA 8B	2/8/2017 0:00	TECHNETIUM-99	900	-0.728	pCi/L	U	U	1.96	4.2
HAA 1D	1/26/2017 14:26	TECHNETIUM-99	900	-1.02	pCi/L	U	U	4.33	9.41
HAA 7D	8/31/2017 14:12	TECHNETIUM-99	900	-1.02	pCi/L	U	U	7.15	15.5
HAA 14D	9/18/2017 15:00	TECHNETIUM-99	900	-1.22	pCi/L	U	U	7.19	15.5
HAA 10B	8/31/2017 13:08	TECHNETIUM-99	900	-1.24	pCi/L	U	U	7.16	15.5
HAA 9C	9/6/2017 9:17	TECHNETIUM-99	900	-1.3	pCi/L	U	U	7.86	16.9
HAA 10B	2/2/2017 13:32	TECHNETIUM-99	900	-1.37	pCi/L	U	U	4.25	9.22
HAA 2B	8/31/2017 13:15	TECHNETIUM-99	900	-1.48	pCi/L	U	U	7.18	15.5
HAA 11D	9/7/2017 12:36	TECHNETIUM-99	900	-1.55	pCi/L	U	U	7.06	15.2
HAA 8B	9/6/2017 11:26	TECHNETIUM-99	900	-1.68	pCi/L	U	U	8.06	17.3
HAA 14C	9/18/2017 14:05	TECHNETIUM-99	900	-1.74	pCi/L	U	U	8	17.2
HAA 8C	8/31/2017 13:17	TECHNETIUM-99	900	-1.81	pCi/L	U	U	7.34	15.8
HAA 13C	9/14/2017 13:26	TECHNETIUM-99	900	-1.94	pCi/L	U	U	7.9	17
HAA 10B	2/2/2017 13:32	TECHNETIUM-99	900	-1.98	pCi/L	U	U	4.34	9.36
HAA021D	9/13/2017 13:40	TECHNETIUM-99	900	-2.02	pCi/L	U	U	6.16	13.3
HAA 10C	8/31/2017 13:57	TECHNETIUM-99	900	-2.1	pCi/L	U	U	7.01	15.1
HAA 2D	8/31/2017 14:15	TECHNETIUM-99	900	-2.11	pCi/L	U	U	6.9	14.9
HAA019C	9/7/2017 13:07	TECHNETIUM-99	900	-2.17	pCi/L	U	U	7.55	16.2
HAA020C	9/7/2017 13:25	TECHNETIUM-99	900	-2.21	pCi/L	U	U	7.99	17.2
HAA 1C	8/31/2017 14:43	TECHNETIUM-99	900	-2.22	pCi/L	U	U	7.34	15.8
HAA 13B	9/18/2017 13:35	TECHNETIUM-99	900	-2.49	pCi/L	U	U	7.13	15.3
HAA 9D	9/7/2017 9:08	TECHNETIUM-99	900	-2.61	pCi/L	U	U	6.98	15
HAA 11B	9/7/2017 14:20	TECHNETIUM-99	900	-2.77	pCi/L	U	U	7.94	17
HAA019D	9/7/2017 14:14	TECHNETIUM-99	900	-2.84	pCi/L	U	U	7.53	16.1
HAA 1A	8/31/2017 13:41	TECHNETIUM-99	900	-2.85	pCi/L	U	U	7.38	15.9
HAA 1D	9/6/2017 10:14	TECHNETIUM-99	900	-3.53	pCi/L	U	U	7.6	16.2
HAA 7D	8/31/2017 14:12	TECHNETIUM-99	900	-3.8	pCi/L	U	U	7.61	16.3
HAA 8D	8/31/2017 14:47	TECHNETIUM-99	900	-3.91	pCi/L	U	U	6.85	14.7
HAA018D	9/20/2017 10:20	TECHNETIUM-99	900	-4.01	pCi/L	U	U	7.38	15.8
HAA017C	9/19/2017 13:00	TECHNETIUM-99	900	-4.31	pCi/L	U	U	7.03	15
HAA 4D	9/18/2017 9:00	THORIUM-228	15	0.341	pCi/L	U	U	0.447	1.17
HAA 4D	9/18/2017 9:00	THORIUM-228	15	0.289	pCi/L	U	U	0.547	1.27
HAA 4D	2/22/2017 8:58	THORIUM-228	15	0.181	pCi/L	U	U	0.538	1.18
HAA 4D	2/22/2017 8:58	THORIUM-230	15	0.617	pCi/L	U	U	0.618	1.58
HAA 4D	9/18/2017 9:00	THORIUM-230	15	0.167	pCi/L	U	U	0.673	1.42
HAA 4D	9/18/2017 9:00	THORIUM-230	15	-0.0249	pCi/L	U	U	0.723	1.39
HAA 4D	9/18/2017 9:00	THORIUM-232	15	0.19	pCi/L	U	U	0.274	0.794
HAA 4D	2/22/2017 8:58	THORIUM-232	15	0.057	pCi/L	U	U	0.424	0.868
HAA 4D	9/18/2017 9:00	THORIUM-232	15	-0.00564	pCi/L	U	U	0.416	0.78
HAA 11B	2/2/2017 12:43	TOTAL ALKALINITY (AS CACO3)	NA	176	mg/L				
HAA 4B	2/22/2017 10:22	TOTAL ALKALINITY (AS CACO3)	NA	120	mg/L				
HAA 9B	1/26/2017 15:13	TOTAL ALKALINITY (AS CACO3)	NA	112	mg/L				
HAA 9B	9/5/2017 10:37	TOTAL ALKALINITY (AS CACO3)	NA	110	mg/L				
HAA 14B	2/22/2017 15:08	TOTAL ALKALINITY (AS CACO3)	NA	87	mg/L				
HAA 1A	1/31/2017 10:16	TOTAL ALKALINITY (AS CACO3)	NA	82	mg/L				
HAA 10B	2/2/2017 13:32	TOTAL ALKALINITY (AS CACO3)	NA	80	mg/L				
HAA 1A	8/31/2017 13:41	TOTAL ALKALINITY (AS CACO3)	NA	77	mg/L				
HAA 14B	9/18/2017 13:20	TOTAL ALKALINITY (AS CACO3)	NA	77	mg/L				
HAA 13B	2/8/2017 9:25	TOTAL ALKALINITY (AS CACO3)	NA	76	mg/L				
HAA 11B	9/7/2017 14:20	TOTAL ALKALINITY (AS CACO3)	NA	74	mg/L				
HAA 1C	8/31/2017 14:43	TOTAL ALKALINITY (AS CACO3)	NA	71	mg/L				
HAA 4C	2/22/2017 9:41	TOTAL ALKALINITY (AS CACO3)	NA	62	mg/L				
HAA 14C	2/22/2017 14:21	TOTAL ALKALINITY (AS CACO3)	NA	55	mg/L				
HAA 13B	9/18/2017 13:35	TOTAL ALKALINITY (AS CACO3)	NA	47	mg/L				
HAA 4B	9/18/2017 10:30	TOTAL ALKALINITY (AS CACO3)	NA	46	mg/L				
HAA 10B	8/31/2017 13:08	TOTAL ALKALINITY (AS CACO3)	NA	44	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)
HAA 14C	9/18/2017 14:05	TOTAL ALKALINITY (AS CACO3)	NA	41	mg/L				
HAA019C	2/9/2017 12:50	TOTAL ALKALINITY (AS CACO3)	NA	41	mg/L				
HAA 2B	1/26/2017 12:58	TOTAL ALKALINITY (AS CACO3)	NA	37	mg/L				
HAA020C	9/7/2017 13:25	TOTAL ALKALINITY (AS CACO3)	NA	35	mg/L				
HAA 4C	9/18/2017 9:50	TOTAL ALKALINITY (AS CACO3)	NA	34	mg/L				
HAA020C	2/8/2017 9:12	TOTAL ALKALINITY (AS CACO3)	NA	34	mg/L				
HAA019C	9/7/2017 13:07	TOTAL ALKALINITY (AS CACO3)	NA	33	mg/L				
HAA 1C	1/26/2017 13:14	TOTAL ALKALINITY (AS CACO3)	NA	32	mg/L				
HAA 12B	2/2/2017 13:14	TOTAL ALKALINITY (AS CACO3)	NA	32	mg/L				
HAA 2B	8/31/2017 13:15	TOTAL ALKALINITY (AS CACO3)	NA	31	mg/L				
HAA020D	2/8/2017 9:30	TOTAL ALKALINITY (AS CACO3)	NA	31	mg/L				
HAA 12B	9/7/2017 10:34	TOTAL ALKALINITY (AS CACO3)	NA	30	mg/L				
HAA 7C	2/2/2017 14:26	TOTAL ALKALINITY (AS CACO3)	NA	29	mg/L				
HAA 13C	2/8/2017 8:45	TOTAL ALKALINITY (AS CACO3)	NA	29	mg/L				
HAA020D	9/7/2017 13:52	TOTAL ALKALINITY (AS CACO3)	NA	26	mg/L				
HAA 7C	8/31/2017 13:33	TOTAL ALKALINITY (AS CACO3)	NA	19	mg/L				
HAA 15B	2/14/2017 8:41	TOTAL ALKALINITY (AS CACO3)	NA	17	mg/L				
HAA 13C	9/14/2017 13:26	TOTAL ALKALINITY (AS CACO3)	NA	16	mg/L				
HAA 15B	9/14/2017 8:43	TOTAL ALKALINITY (AS CACO3)	NA	16	mg/L				
HAA 10C	2/2/2017 14:49	TOTAL ALKALINITY (AS CACO3)	NA	15	mg/L				
HAA 9C	1/31/2017 8:30	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
HAA 10C	8/31/2017 13:57	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
HAA017D	2/14/2017 13:38	TOTAL ALKALINITY (AS CACO3)	NA	14	mg/L				
HAA 2C	8/31/2017 11:00	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 7B	2/2/2017 13:22	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 9D	1/31/2017 9:00	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA017C	9/19/2017 13:00	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 11C	2/2/2017 13:27	TOTAL ALKALINITY (AS CACO3)	NA	11	mg/L				
HAA 11C	9/7/2017 13:28	TOTAL ALKALINITY (AS CACO3)	NA	11	mg/L				
HAA 15C	2/14/2017 9:50	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 15C	9/14/2017 9:45	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA017C	2/28/2017 13:55	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA018D	2/14/2017 14:50	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 1D	1/26/2017 14:26	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
HAA019D	2/9/2017 13:43	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA 7B	8/31/2017 12:27	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
HAA 15D	2/14/2017 11:04	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 15D	9/14/2017 10:52	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA021D	9/13/2017 13:40	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 9C	9/6/2017 9:17	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA017D	9/19/2017 13:50	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA018C	2/28/2017 15:20	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA021C	2/8/2017 12:37	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA 10D	8/31/2017 14:39	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA018C	9/20/2017 9:30	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 8C	1/30/2017 13:30	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA 1D	9/6/2017 10:14	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2C	1/26/2017 13:59	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2D	1/26/2017 14:21	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2D	8/31/2017 14:15	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	2/22/2017 8:58	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	9/18/2017 9:00	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	2/2/2017 15:00	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	8/31/2017 14:12	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8B	2/8/2017 11:03	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8B	9/6/2017 11:26	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8C	8/31/2017 13:17	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8D	1/30/2017 14:30	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8D	8/31/2017 14:47	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 9D	9/7/2017 9:08	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 10D	2/6/2017 11:03	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 11D	2/2/2017 14:00	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 11D	9/7/2017 12:36	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	2/2/2017 12:10	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	9/7/2017 13:30	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	2/2/2017 11:02	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	9/7/2017 14:04	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 13D	2/8/2017 9:48	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 13D	9/14/2017 14:42	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	9/18/2017 15:00	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA018D	9/20/2017 10:20	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA019D	9/7/2017 14:14	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA021C	9/7/2017 14:11	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA021D	2/8/2017 10:25	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	2/22/2017 13:33	TOTAL ALKALINITY (AS CACO3)	NA		mg/L				
HAA 12C	**2/2/2017 12:10**	**TRITIUM**	**20**	**56.7**	**pCi/mL**			**0.536**	**3.21**

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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 12C	**2/2/2017 12:10**	**TRITIUM**	**20**	**56.5**	**pCi/mL**			**0.535**	**3.2**
HAA 12C	**9/7/2017 13:30**	**TRITIUM**	**20**	**52.6**	**pCi/mL**			**0.424**	**3.21**
HAA 12D	2/2/2017 11:02	TRITIUM	20	12.9	pCi/mL			0.532	1.92
HAA 12D	9/7/2017 14:04	TRITIUM	20	10.5	pCi/mL			0.429	1.76
HAA 13D	9/14/2017 14:42	TRITIUM	20	8.43	pCi/mL			0.488	1.68
HAA 13D	2/8/2017 9:48	TRITIUM	20	7.8	pCi/mL			0.449	1.62
HAA 11D	9/7/2017 12:36	TRITIUM	20	7.47	pCi/mL			0.441	1.57
HAA 11D	2/2/2017 14:00	TRITIUM	20	7.26	pCi/mL			0.438	1.53
HAA 8D	1/30/2017 14:30	TRITIUM	20	6.64	pCi/mL			0.53	1.62
HAA 8D	8/31/2017 14:47	TRITIUM	20	6.55	pCi/mL			0.456	1.51
HAA 14D	2/22/2017 13:33	TRITIUM	20	6.37	pCi/mL			0.5	1.55
HAA 14D	9/18/2017 15:00	TRITIUM	20	5.9	pCi/mL			0.454	1.47
HAA 10D	2/6/2017 11:03	TRITIUM	20	5.85	pCi/mL			0.432	1.47
HAA 4B	9/18/2017 10:30	TRITIUM	20	5.82	pCi/mL			0.453	1.46
HAA 9D	9/7/2017 9:08	TRITIUM	20	5.8	pCi/mL			0.424	1.46
HAA 9D	1/31/2017 9:00	TRITIUM	20	5.72	pCi/mL			0.473	1.49
HAA 4B	2/22/2017 10:22	TRITIUM	20	5.68	pCi/mL			0.502	1.51
HAA 9D	1/31/2017 9:00	TRITIUM	20	5.65	pCi/mL			0.476	1.49
HAA 4D	2/22/2017 8:58	TRITIUM	20	5.65	pCi/mL			0.506	1.52
HAA 15D	2/14/2017 11:04	TRITIUM	20	5.51	pCi/mL			0.51	1.51
HAA 10D	8/31/2017 14:39	TRITIUM	20	5.27	pCi/mL			0.459	1.44
HAA 4D	9/18/2017 9:00	TRITIUM	20	5.11	pCi/mL			0.456	1.42
HAA 15D	9/14/2017 10:52	TRITIUM	20	4.49	pCi/mL			0.483	1.43
HAA017D	2/14/2017 13:38	TRITIUM	20	3.83	pCi/mL			0.509	1.41
HAA 7D	2/2/2017 15:00	TRITIUM	20	3.67	pCi/mL			0.439	1.29
HAA 7D	8/31/2017 14:12	TRITIUM	20	3.44	pCi/mL			0.454	1.3
HAA018D	2/14/2017 14:50	TRITIUM	20	3.43	pCi/mL			0.51	1.38
HAA021D	9/13/2017 13:40	TRITIUM	20	3.35	pCi/mL			0.454	1.29
HAA 10C	2/2/2017 14:49	TRITIUM	20	3.28	pCi/mL			0.438	1.26
HAA019D	2/9/2017 13:43	TRITIUM	20	3.13	pCi/mL			0.512	1.37
HAA021D	2/8/2017 10:25	TRITIUM	20	3.12	pCi/mL			0.444	1.28
HAA017D	9/19/2017 13:50	TRITIUM	20	2.93	pCi/mL			0.488	1.32
HAA019D	9/7/2017 14:14	TRITIUM	20	2.84	pCi/mL			0.442	1.25
HAA 10C	8/31/2017 13:57	TRITIUM	20	2.8	pCi/mL			0.456	1.25
HAA018D	9/20/2017 10:20	TRITIUM	20	2.74	pCi/mL			0.492	1.32
HAA 15C	2/14/2017 9:50	TRITIUM	20	2.7	pCi/mL			0.512	1.34
HAA020D	9/7/2017 13:52	TRITIUM	20	2.68	pCi/mL			0.427	1.22
HAA020D	9/7/2017 13:52	TRITIUM	20	2.67	pCi/mL			0.433	1.23
HAA020D	2/8/2017 9:30	TRITIUM	20	2.49	pCi/mL			0.445	1.23
HAA 2D	1/26/2017 14:21	TRITIUM	20	2.23	pCi/mL			0.423	1.17
HAA 1D	1/26/2017 14:26	TRITIUM	20	2.17	pCi/mL			0.433	1.18
HAA 2D	8/31/2017 14:15	TRITIUM	20	1.93	pCi/mL			0.456	1.18
HAA 15C	9/14/2017 9:45	TRITIUM	20	1.85	pCi/mL			0.482	1.23
HAA021C	2/8/2017 12:37	TRITIUM	20	1.59	pCi/mL			0.446	1.14
HAA021C	9/7/2017 14:11	TRITIUM	20	1.42	pCi/mL			0.435	1.1
HAA 13C	2/8/2017 8:45	TRITIUM	20	1.38	pCi/mL			0.456	1.14
HAA 9C	9/6/2017 9:17	TRITIUM	20	1.36	pCi/mL			0.46	1.15
HAA 1D	9/6/2017 10:14	TRITIUM	20	1.35	pCi/mL			0.485	1.19
HAA 8C	1/30/2017 13:30	TRITIUM	20	1.34	pCi/mL			0.526	1.26
HAA 11B	2/2/2017 12:43	TRITIUM	20	1.21	pCi/mL			0.439	1.08
HAA 8C	8/31/2017 13:17	TRITIUM	20	1.18	pCi/mL			0.457	1.11
HAA 9C	1/31/2017 8:30	TRITIUM	20	1.09	pCi/mL			0.412	1.02
HAA 2C	1/26/2017 13:59	TRITIUM	20	1.02	pCi/mL	J	J	0.42	1.03
HAA 10B	8/31/2017 0:00	TRITIUM	20	1.01	pCi/mL	J	J	0.455	1.09
HAA 9C	9/6/2017 9:17	TRITIUM	20	0.998	pCi/mL	J	J	0.461	1.11
HAA020C	9/7/2017 13:25	TRITIUM	20	0.958	pCi/mL	J	J	0.433	1.05
HAA 10B	2/2/2017 13:32	TRITIUM	20	0.911	pCi/mL	J	J	0.434	1.04
HAA 4C	2/22/2017 9:41	TRITIUM	20	0.904	pCi/mL	J	J	0.501	1.17
HAA 2C	8/31/2017 11:00	TRITIUM	20	0.855	pCi/mL	J	J	0.454	1.07
HAA 11B	9/7/2017 14:20	TRITIUM	20	0.843	pCi/mL	J	J	0.437	1.04
HAA 11B	9/7/2017 14:20	TRITIUM	20	0.842	pCi/mL	J	J	0.438	1.05
HAA 10B	2/2/2017 0:00	TRITIUM	20	0.839	pCi/mL	J	J	0.437	1.04
HAA 13B	9/18/2017 13:35	TRITIUM	20	0.799	pCi/mL	J	J	0.45	1.06
HAA 11C	2/2/2017 13:27	TRITIUM	20	0.786	pCi/mL	J	J	0.437	1.03
HAA020C	2/8/2017 9:12	TRITIUM	20	0.778	pCi/mL	J	J	0.444	1.05
HAA 13B	2/8/2017 9:25	TRITIUM	20	0.691	pCi/mL	J	J	0.443	1.04
HAA 13C	9/14/2017 13:26	TRITIUM	20	0.671	pCi/mL	J	J	0.483	1.12
HAA 4C	2/22/2017 9:41	TRITIUM	20	0.645	pCi/mL	J	J	0.506	1.16
HAA 15B	2/14/2017 8:41	TRITIUM	20	0.585	pCi/mL	J	J	0.51	1.16
HAA 10B	8/31/2017 13:08	TRITIUM	20	0.578	pCi/mL	J	J	0.458	1.05
HAA 14C	2/22/2017 14:21	TRITIUM	20	0.536	pCi/mL	J	J	0.5	1.14
HAA019C	2/9/2017 12:50	TRITIUM	20	0.501	pCi/mL	U	U	0.514	1.16
HAA 11C	9/7/2017 13:28	TRITIUM	20	0.463	pCi/mL	J	J	0.44	1.01
HAA 14C	9/18/2017 14:05	TRITIUM	20	0.424	pCi/mL	U	U	0.448	1.02
HAA 15B	9/14/2017 8:43	TRITIUM	20	0.42	pCi/mL	U	U	0.486	1.1
HAA 4C	9/18/2017 9:50	TRITIUM	20	0.392	pCi/mL	U	U	0.456	1.03

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 7C	2/2/2017 14:26	TRITIUM	20	0.388	pCi/mL	U	U	0.441	0.998
HAA 1A	8/31/2017 13:41	TRITIUM	20	0.363	pCi/mL	U	U	0.453	1.02
HAA019C	9/7/2017 13:07	TRITIUM	20	0.362	pCi/mL	U	U	0.441	0.995
HAA 14B	2/22/2017 15:08	TRITIUM	20	0.354	pCi/mL	U	U	0.505	1.13
HAA 1A	1/31/2017 10:16	TRITIUM	20	0.351	pCi/mL	U	U	0.421	0.952
HAA 12B	2/2/2017 13:14	TRITIUM	20	0.341	pCi/mL	U	U	0.438	0.986
HAA018C	9/20/2017 9:30	TRITIUM	20	0.337	pCi/mL	U	U	0.495	1.11
HAA 12B	9/7/2017 10:34	TRITIUM	20	0.334	pCi/mL	U	U	0.429	0.968
HAA 1C	8/31/2017 14:43	TRITIUM	20	0.261	pCi/mL	U	U	0.453	1.01
HAA 1A	8/31/2017 13:41	TRITIUM	20	0.261	pCi/mL	U	U	0.459	1.02
HAA018C	2/28/2017 0:00	TRITIUM	20	0.251	pCi/mL	U	U	0.427	0.952
HAA 14C	2/22/2017 0:00	TRITIUM	20	0.225	pCi/mL	U	U	0.357	0.793
HAA 2B	1/26/2017 12:58	TRITIUM	20	0.223	pCi/mL	U	U	0.413	0.919
HAA 14C	9/18/2017 14:05	TRITIUM	20	0.19	pCi/mL	U	U	0.298	0.666
HAA 14B	9/18/2017 13:20	TRITIUM	20	0.169	pCi/mL	U	U	0.454	1
HAA018C	9/20/2017 0:00	TRITIUM	20	0.147	pCi/mL	U	U	0.493	1.08
HAA017C	2/28/2017 13:55	TRITIUM	20	0.122	pCi/mL	U	U	0.446	0.976
HAA 8B	2/8/2017 0:00	TRITIUM	20	0.1063	pCi/mL	U	U	0.323	0.697
HAA 7B	8/31/2017 12:27	TRITIUM	20	0.103	pCi/mL	U	U	0.456	0.996
HAA017C	9/19/2017 13:00	TRITIUM	20	0.102	pCi/mL	U	U	0.487	1.07
HAA 2B	8/31/2017 13:15	TRITIUM	20	0.0909	pCi/mL	U	U	0.452	0.987
HAA 9B	1/26/2017 15:13	TRITIUM	20	0.0623	pCi/mL	U	U	0.426	0.924
HAA 7C	8/31/2017 13:33	TRITIUM	20	0.046	pCi/mL	U	U	0.457	0.993
HAA 8B	9/6/2017 0:00	TRITIUM	20	0.00225	pCi/mL	U	U	0.292	0.616
HAA 7B	2/2/2017 13:22	TRITIUM	20	2.71E-07	pCi/mL	U	U	0.439	0.946
HAA 1C	1/26/2017 13:14	TRITIUM	20	-0.0691	pCi/mL	U	U	0.424	0.9
HAA 8B	2/8/2017 0:00	TRITIUM	20	-0.0887	pCi/mL	U	U	0.315	0.641
HAA018C	2/28/2017 15:20	TRITIUM	20	-0.0965	pCi/mL	U	U	0.443	0.939
HAA 8B	2/8/2017 11:03	TRITIUM	20	-0.13	pCi/mL	U	U	0.447	0.943
HAA 9B	9/5/2017 10:37	TRITIUM	20	-0.216	pCi/mL	U	U	0.479	1.01
HAA 8B	9/6/2017 11:26	TRITIUM	20	-0.231	pCi/mL	U	U	0.49	1.03
HAA020D	2/8/2017 9:30	TURBIDITY	NA	85	NTU				
HAA 13D	2/8/2017 9:48	TURBIDITY	NA	80.2	NTU				
HAA019D	9/7/2017 14:14	TURBIDITY	NA	60.3	NTU				
HAA 1D	1/26/2017 14:26	TURBIDITY	NA	14.1	NTU				
HAA 13D	9/14/2017 14:42	TURBIDITY	NA	13.2	NTU				
HAA017D	2/14/2017 13:38	TURBIDITY	NA	10.2	NTU				
HAA021D	9/13/2017 13:40	TURBIDITY	NA	8.2	NTU				
HAA 4D	2/22/2017 8:58	TURBIDITY	NA	8.1	NTU				
HAA 1D	9/6/2017 10:14	TURBIDITY	NA	5.7	NTU				
HAA 12C	2/2/2017 12:10	TURBIDITY	NA	5.4	NTU				
HAA018D	2/14/2017 14:50	TURBIDITY	NA	5.4	NTU				
HAA020D	9/7/2017 13:52	TURBIDITY	NA	5.3	NTU				
HAA021D	2/8/2017 10:25	TURBIDITY	NA	5.1	NTU				
HAA 7C	8/31/2017 13:33	TURBIDITY	NA	4.6	NTU				
HAA019C	9/7/2017 13:07	TURBIDITY	NA	4.5	NTU				
HAA 11D	9/7/2017 12:36	TURBIDITY	NA	3.8	NTU				
HAA 4D	9/18/2017 9:00	TURBIDITY	NA	3.6	NTU				
HAA 15B	9/14/2017 8:43	TURBIDITY	NA	3.5	NTU				
HAA019D	2/9/2017 13:43	TURBIDITY	NA	3.5	NTU				
HAA 4B	9/18/2017 10:30	TURBIDITY	NA	3.4	NTU				
HAA 15D	9/14/2017 10:52	TURBIDITY	NA	3.1	NTU				
HAA017C	9/19/2017 13:00	TURBIDITY	NA	2.9	NTU				
HAA 14B	2/22/2017 15:08	TURBIDITY	NA	2.6	NTU				
HAA017C	2/28/2017 13:55	TURBIDITY	NA	2.5	NTU				
HAA 15B	2/14/2017 8:41	TURBIDITY	NA	2.1	NTU				
HAA018D	9/20/2017 10:20	TURBIDITY	NA	2	NTU				
HAA 2D	8/31/2017 14:15	TURBIDITY	NA	1.9	NTU				
HAA 10B	2/2/2017 13:32	TURBIDITY	NA	1.8	NTU				
HAA 12B	9/7/2017 10:34	TURBIDITY	NA	1.7	NTU				
HAA 4B	2/22/2017 10:22	TURBIDITY	NA	1.6	NTU				
HAA 2C	8/31/2017 11:00	TURBIDITY	NA	1.3	NTU				
HAA 11D	2/2/2017 14:00	TURBIDITY	NA	1.3	NTU				
HAA 4C	2/22/2017 9:41	TURBIDITY	NA	1.2	NTU				
HAA018C	9/20/2017 9:30	TURBIDITY	NA	1.2	NTU				
HAA 13C	9/14/2017 13:26	TURBIDITY	NA	1.1	NTU				
HAA 13B	9/18/2017 13:35	TURBIDITY	NA	1	NTU				
HAA 2D	1/26/2017 14:21	TURBIDITY	NA	0.9	NTU				
HAA 4C	9/18/2017 9:50	TURBIDITY	NA	0.8	NTU				
HAA 10B	8/31/2017 13:08	TURBIDITY	NA	0.8	NTU				
HAA 10C	2/2/2017 14:49	TURBIDITY	NA	0.8	NTU				
HAA 11C	2/2/2017 13:27	TURBIDITY	NA	0.8	NTU				
HAA 15D	2/14/2017 11:04	TURBIDITY	NA	0.8	NTU				
HAA 2B	8/31/2017 13:15	TURBIDITY	NA	0.7	NTU				
HAA 2C	1/26/2017 13:59	TURBIDITY	NA	0.7	NTU				
HAA 13B	2/8/2017 9:25	TURBIDITY	NA	0.7	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)
HAA 15C	9/14/2017 9:45	TURBIDITY	NA	0.7	NTU				
HAA 7B	2/2/2017 13:22	TURBIDITY	NA	0.6	NTU				
HAA 7C	2/2/2017 14:26	TURBIDITY	NA	0.6	NTU				
HAA 8B	2/8/2017 11:03	TURBIDITY	NA	0.6	NTU				
HAA 10D	2/6/2017 11:03	TURBIDITY	NA	0.6	NTU				
HAA 11B	9/7/2017 14:20	TURBIDITY	NA	0.6	NTU				
HAA017D	9/19/2017 13:50	TURBIDITY	NA	0.6	NTU				
HAA021C	2/8/2017 12:37	TURBIDITY	NA	0.6	NTU				
HAA 1C	1/26/2017 13:14	TURBIDITY	NA	0.5	NTU				
HAA 1C	8/31/2017 14:43	TURBIDITY	NA	0.5	NTU				
HAA 8D	1/30/2017 14:30	TURBIDITY	NA	0.5	NTU				
HAA 10D	8/31/2017 14:39	TURBIDITY	NA	0.5	NTU				
HAA 11B	2/2/2017 12:43	TURBIDITY	NA	0.5	NTU				
HAA 11C	9/7/2017 13:28	TURBIDITY	NA	0.5	NTU				
HAA 12B	2/2/2017 13:14	TURBIDITY	NA	0.5	NTU				
HAA 14D	2/22/2017 13:33	TURBIDITY	NA	0.5	NTU				
HAA 15C	2/14/2017 9:50	TURBIDITY	NA	0.5	NTU				
HAA020C	2/8/2017 9:12	TURBIDITY	NA	0.5	NTU				
HAA 7B	8/31/2017 12:27	TURBIDITY	NA	0.4	NTU				
HAA 8C	8/31/2017 13:17	TURBIDITY	NA	0.4	NTU				
HAA 8D	8/31/2017 14:47	TURBIDITY	NA	0.4	NTU				
HAA 10C	8/31/2017 13:57	TURBIDITY	NA	0.4	NTU				
HAA 12C	9/7/2017 13:30	TURBIDITY	NA	0.4	NTU				
HAA 12D	9/7/2017 14:04	TURBIDITY	NA	0.4	NTU				
HAA 13C	2/8/2017 8:45	TURBIDITY	NA	0.4	NTU				
HAA 14C	2/22/2017 14:21	TURBIDITY	NA	0.4	NTU				
HAA 14C	9/18/2017 14:05	TURBIDITY	NA	0.4	NTU				
HAA 14D	9/18/2017 15:00	TURBIDITY	NA	0.4	NTU				
HAA018C	2/28/2017 15:20	TURBIDITY	NA	0.4	NTU				
HAA 1A	8/31/2017 13:41	TURBIDITY	NA	0.3	NTU				
HAA 2B	1/26/2017 12:58	TURBIDITY	NA	0.3	NTU				
HAA 9B	1/26/2017 15:13	TURBIDITY	NA	0.3	NTU				
HAA 9C	9/6/2017 9:17	TURBIDITY	NA	0.3	NTU				
HAA 12D	2/2/2017 11:02	TURBIDITY	NA	0.3	NTU				
HAA020C	9/7/2017 13:25	TURBIDITY	NA	0.3	NTU				
HAA 7D	2/2/2017 15:00	TURBIDITY	NA	0.2	NTU				
HAA 7D	8/31/2017 14:12	TURBIDITY	NA	0.2	NTU				
HAA 8B	9/6/2017 11:26	TURBIDITY	NA	0.2	NTU				
HAA 8C	1/30/2017 13:30	TURBIDITY	NA	0.2	NTU				
HAA 9B	9/5/2017 10:37	TURBIDITY	NA	0.2	NTU				
HAA 9D	1/31/2017 9:00	TURBIDITY	NA	0.2	NTU				
HAA 9D	9/7/2017 9:08	TURBIDITY	NA	0.2	NTU				
HAA 14B	9/18/2017 13:20	TURBIDITY	NA	0.2	NTU				
HAA 1A	1/31/2017 10:16	TURBIDITY	NA	0.1	NTU				
HAA 9C	1/31/2017 8:30	TURBIDITY	NA	0.1	NTU				
HAA019C	2/9/2017 12:50	TURBIDITY	NA	0.1	NTU				
HAA021C	9/7/2017 14:11	TURBIDITY	NA	0.1	NTU				
HAA 4D	9/18/2017 9:00	URANIUM-233/234	10	0.207	pCi/L	U	U	0.124	0.522
HAA 4D	9/18/2017 9:00	URANIUM-233/234	10	0.149	pCi/L	U	U	0.112	0.44
HAA 4D	2/22/2017 8:58	URANIUM-233/234	10	0.106	pCi/L	U	U	0.173	0.431
HAA 4D	9/18/2017 9:00	URANIUM-235	0.5	0.0654	pCi/L	U	U	0.312	0.672
HAA 4D	2/22/2017 8:58	URANIUM-235	0.5	0.0324	pCi/L	U	U	0.0972	0.279
HAA 4D	9/18/2017 9:00	URANIUM-235	0.5	-0.0111	pCi/L	U	U	0.221	0.412
HAA 4D	2/22/2017 8:58	URANIUM-238	10	0.157	pCi/L	J	J	0.0786	0.351
HAA 4D	9/18/2017 9:00	URANIUM-238	10	0.103	pCi/L	U	U	0.179	0.475
HAA 4D	9/18/2017 9:00	URANIUM-238	10	-0.0595	pCi/L	U	U	0.306	0.498
HAA 2D	1/26/2017	Water Elevation	NA	276.30	ft msl				
HAA 1D	1/26/2017	Water Elevation	NA	274.89	ft msl				
HAA 2D	8/31/2017	Water Elevation	NA	274.00	ft msl				
HAA021D	2/8/2017	Water Elevation	NA	273.13	ft msl				
HAA020D	2/8/2017	Water Elevation	NA	272.84	ft msl				
HAA 7D	2/2/2017	Water Elevation	NA	272.65	ft msl				
HAA 1D	9/6/2017	Water Elevation	NA	272.12	ft msl				
HAA 15D	2/14/2017	Water Elevation	NA	271.83	ft msl				
HAA021D	9/13/2017	Water Elevation	NA	271.54	ft msl				
HAA017D	2/14/2017	Water Elevation	NA	271.07	ft msl				
HAA 4D	2/22/2017	Water Elevation	NA	271.00	ft msl				
HAA 7D	8/31/2017	Water Elevation	NA	270.97	ft msl				
HAA020D	9/7/2017	Water Elevation	NA	270.90	ft msl				
HAA 14D	2/22/2017	Water Elevation	NA	270.69	ft msl				
HAA 8D	1/30/2017	Water Elevation	NA	270.64	ft msl				
HAA017D	9/19/2017	Water Elevation	NA	270.57	ft msl				
HAA 4D	9/18/2017	Water Elevation	NA	270.50	ft msl				
HAA 8D	8/31/2017	Water Elevation	NA	270.44	ft msl				
HAA 15D	9/14/2017	Water Elevation	NA	270.23	ft msl				
HAA 10D	2/6/2017	Water Elevation	NA	270.12	ft msl				

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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 14D	9/18/2017	Water Elevation	NA	269.99	ft msl				
HAA 13D	2/8/2017	Water Elevation	NA	269.86	ft msl				
HAA 13D	9/14/2017	Water Elevation	NA	269.76	ft msl				
HAA019D	2/9/2017	Water Elevation	NA	269.58	ft msl				
HAA 12D	2/2/2017	Water Elevation	NA	269.01	ft msl				
HAA018D	9/20/2017	Water Elevation	NA	268.78	ft msl				
HAA 12D	9/7/2017	Water Elevation	NA	268.78	ft msl				
HAA 10D	8/31/2017	Water Elevation	NA	268.54	ft msl				
HAA018D	2/14/2017	Water Elevation	NA	267.63	ft msl				
HAA019D	9/7/2017	Water Elevation	NA	267.63	ft msl				
HAA 11D	2/2/2017	Water Elevation	NA	267.37	ft msl				
HAA 11D	9/7/2017	Water Elevation	NA	266.75	ft msl				
HAA 9D	1/31/2017	Water Elevation	NA	265.16	ft msl				
HAA 9D	9/7/2017	Water Elevation	NA	262.80	ft msl				
HAA021C	2/8/2017	Water Elevation	NA	255.93	ft msl				
HAA 10C	2/2/2017	Water Elevation	NA	255.07	ft msl				
HAA 7C	2/2/2017	Water Elevation	NA	254.53	ft msl				
HAA020C	2/8/2017	Water Elevation	NA	254.40	ft msl				
HAA021C	9/7/2017	Water Elevation	NA	254.25	ft msl				
HAA 2C	1/26/2017	Water Elevation	NA	253.70	ft msl				
HAA 10B	2/2/2017	Water Elevation	NA	253.50	ft msl				
HAA 10C	8/31/2017	Water Elevation	NA	253.37	ft msl				
HAA 8C	1/30/2017	Water Elevation	NA	252.75	ft msl				
HAA020C	9/7/2017	Water Elevation	NA	252.56	ft msl				
HAA 10B	8/31/2017	Water Elevation	NA	252.56	ft msl				
HAA 8C	8/31/2017	Water Elevation	NA	252.45	ft msl				
HAA 2C	8/31/2017	Water Elevation	NA	252.40	ft msl				
HAA 9C	1/31/2017	Water Elevation	NA	252.38	ft msl				
HAA 8B	2/8/2017	Water Elevation	NA	252.25	ft msl				
HAA 7B	2/2/2017	Water Elevation	NA	252.24	ft msl				
HAA 2B	1/26/2017	Water Elevation	NA	252.12	ft msl				
HAA 1C	1/26/2017	Water Elevation	NA	252.07	ft msl				
HAA 4C	2/22/2017	Water Elevation	NA	251.40	ft msl				
HAA 9C	9/6/2017	Water Elevation	NA	251.37	ft msl				
HAA 7C	8/31/2017	Water Elevation	NA	251.32	ft msl				
HAA 7B	8/31/2017	Water Elevation	NA	251.30	ft msl				
HAA 11B	2/2/2017	Water Elevation	NA	251.01	ft msl				
HAA 9B	1/26/2017	Water Elevation	NA	250.98	ft msl				
HAA 1C	8/31/2017	Water Elevation	NA	250.87	ft msl				
HAA 2B	8/31/2017	Water Elevation	NA	250.75	ft msl				
HAA 11C	2/2/2017	Water Elevation	NA	250.73	ft msl				
HAA 8B	9/6/2017	Water Elevation	NA	250.51	ft msl				
HAA 4B	2/22/2017	Water Elevation	NA	250.50	ft msl				
HAA 4C	9/18/2017	Water Elevation	NA	250.40	ft msl				
HAA 11B	9/7/2017	Water Elevation	NA	250.31	ft msl				
HAA 12C	2/2/2017	Water Elevation	NA	250.23	ft msl				
HAA 12B	2/2/2017	Water Elevation	NA	250.21	ft msl				
HAA 9B	9/5/2017	Water Elevation	NA	250.10	ft msl				
HAA 11C	9/7/2017	Water Elevation	NA	250.02	ft msl				
HAA 12C	9/7/2017	Water Elevation	NA	249.66	ft msl				
HAA 12B	9/7/2017	Water Elevation	NA	249.45	ft msl				
HAA 4B	9/18/2017	Water Elevation	NA	249.40	ft msl				
HAA 13C	2/8/2017	Water Elevation	NA	249.08	ft msl				
HAA 13B	2/8/2017	Water Elevation	NA	248.99	ft msl				
HAA 13C	9/14/2017	Water Elevation	NA	248.68	ft msl				
HAA 14B	2/22/2017	Water Elevation	NA	248.23	ft msl				
HAA 14C	2/22/2017	Water Elevation	NA	248.18	ft msl				
HAA 13B	9/18/2017	Water Elevation	NA	248.09	ft msl				
HAA 15C	2/14/2017	Water Elevation	NA	247.53	ft msl				
HAA 14C	9/18/2017	Water Elevation	NA	247.18	ft msl				
HAA 15B	2/14/2017	Water Elevation	NA	246.94	ft msl				
HAA 14B	9/18/2017	Water Elevation	NA	246.93	ft msl				
HAA 15C	9/14/2017	Water Elevation	NA	246.63	ft msl				
HAA017C	2/28/2017	Water Elevation	NA	246.47	ft msl				
HAA 15B	9/14/2017	Water Elevation	NA	246.14	ft msl				
HAA017C	9/19/2017	Water Elevation	NA	245.32	ft msl				
HAA018C	2/28/2017	Water Elevation	NA	243.18	ft msl				
HAA018C	9/20/2017	Water Elevation	NA	242.08	ft msl				
HAA019C	2/9/2017	Water Elevation	NA	238.37	ft msl				
HAA019C	9/7/2017	Water Elevation	NA	237.16	ft msl				
HAA 1A	1/31/2017	Water Elevation	NA	180.00	ft msl				
HAA 1A	8/31/2017	Water Elevation	NA	179.44	ft msl				

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