



2019 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
GSA	General Separations Area
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
MDL	Method Detection Limit
mg/L	milligram per liter
msl	mean sea level
OU	Operable Unit
pCi/L	picocurie per liter
pCi/mL	picocurie per milliliter
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
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
SRNS	Savannah River Nuclear Solutions
SRR	Savannah River Remediation
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 2019. As required by the Consolidated General Closure Plan for F-Area and H-Area Waste Tank Systems (SRR, 2017), 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 2019, 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 2019 for 12 of 13 wells at the FTF and all 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 2019, SRS recorded 52.37 inches (in.) of precipitation as measured at the H-Area weather station. This amount of precipitation was greater than the 30-year average (47.09 in. per year) and is considered above normal rainfall for SRS (SRNL 2020). 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 2019, FTF groundwater elevations for the UAZ were ~1-ft above average levels and groundwater elevations for the LAZ were ~3-ft above average levels. At the HTF, average groundwater elevations for the UAZ and LAZ are ~269- and 252-ft above msl, respectively. In 2019, HTF UAZ and LAZ groundwater elevations were ~2-ft above average levels. Approximately 44 in. of the rainfall that occurred during 2018, occurred during the third and fourth calendar quarters of 2018. The increase in groundwater elevations in 2019 reflect the excess rainfall that occurred late in the year during 2018.

Overall, the monitoring results, presented in Attachments A and B, are similar to those from past years. In 2019, no results indicated new releases to groundwater. Water level measurements and 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 streams. 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 2019, 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. Despite above average rainfall and water elevations in the UAZ over the past few years, FBG 1D has not produced enough water to be sampled since it was installed in 2012. 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. SRS is evaluating alternate locations for the installation of a new UAZ background well. The alternate location will be discussed with SCDHEC and EPA before installation. Figures 6 and 7 provide the 2019 water level maps from the third quarter of 2019 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 2019, wells FTF 20, FTF 28 and FTF 12R exceeded a screening trigger level (gross alpha at FTF 28 and nonvolatile beta at FTF 20, FTF 28 and FTF 12R) 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 2019 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 7.07 mg/L and occurred in the LAZ background well FBG 1C.

Tritium

Tritium was below the MCL (20 picocuries per milliliter [pCi/mL]) in every well at the FTF. Although below the MCL, tritium was accurately quantifiable (result unqualified and above the sample quantitation limit [SQL]) in 18 samples. 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. In 2017, the first quarter result (105 pCi/mL) and the third quarter result (20.4 pCi/mL) at FTF 30D exceeded the MCL. Results since then in 2018 and 2019 have been very low with a maximum concentration of 3.35 pCi/mL in the third quarter of 2018. The maximum tritium concentration at upgradient UAZ wells FTF 20 and FTF 22 was 1.28 pCi/mL. The maximum tritium result from the remaining wells sampled at the FTF was 3.14 pCi/mL in well FTF 19. SRS will continue to monitor and evaluate tritium at the FTF.

Gross Alpha

Gross alpha was above the SQL in only 3 of 30 samples. Gross alpha at FTF 30D (4.31 pCi/L) was the only result that was accurately quantifiable (i.e. above the SQL and not qualified). The maximum gross alpha concentration (28.5 J pCi/L) was measured at well FTF 28 during the first quarter. A field duplicate sample was analyzed for that sample and had a gross alpha concentration of 13.2 J pCi/L. Both of these results were J qualified due to the RPD (Relative Percent Difference) between the two samples being outside laboratory quality control limits. The maximum result exceeded the trigger level of 15 pCi/L, so analysis for specific radionuclides was done at FTF 28 during the third quarter. However, the third quarter gross alpha concentration at FTF 28 (1.42 J pCi/L) was very low and all process related constituents were non-detect. Overall, gross alpha concentrations were low and consistent with previous results at the FTF.

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 one result was above the SQL. Similar to previous years, the only cadmium result above the SQL occurred at background well FBG 1C. The maximum result for cadmium was 0.54 micrograms per liter ($\mu\text{g}/\text{L}$) and did not exceed the MCL (5 $\mu\text{g}/\text{L}$). The maximum concentration of chromium was measured at UAZ well FTF 30D (9.07 $\mu\text{g}/\text{L}$) and was well below the MCL of 100 $\mu\text{g}/\text{L}$. Cadmium and chromium were detected in 12 out of 56 samples and all the detected concentrations were below the MCLs. The 2019 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 2019, manganese was below the drinking water regional screening level (RSL) (430 $\mu\text{g}/\text{L}$) at all wells with a maximum concentration of 219 $\mu\text{g}/\text{L}$ at well FTF 9R. The concentration at FTF 9R was significantly lower than 2013 and 2014 maximum results (2,060 $\mu\text{g}/\text{L}$ and 697 $\mu\text{g}/\text{L}$, respectively).

Manganese levels at the remaining wells did not exceed the background level of 122 µg/L measured at FBG 1C.

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. 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.

Sodium levels were the highest at wells FTF 20 and FTF19. The maximum sodium concentration was 19,000 µg/L at FTF 19. Background concentrations for sodium were also higher than most of the other monitoring wells, which averaged ~6,560 µg/L. There is no MCL or RSL for sodium.

Nonvolatile Beta

Nonvolatile beta was detected in 22 of 30 samples. However, only 6 of the 20 detections exceeded the screening level of 50 pCi/L, with four from well FTF 28 and one from both FTF 12R and FTF 20. In 2019, levels at FTF 28 ranged from 590 pCi/L to the maximum of 746 pCi/L. 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 370 pCi/L. In 2019, the first quarter results for nonvolatile beta at wells FTF 12R and FTF 20 were 13.7 pCi/L and 108 pCi/L, respectively. These results for these wells appear as though they may have been swapped, meaning the result of 13.7 pCi/L belongs to well FTF 20 and the result of 108 pCi/L belongs to well FTF 12R. There is no way to confirm this, however those two results will be treated as suspect values. The result of 108 pCi/L at FTF 20 will be marked "SV" on Figure 10 and will not be considered in the approximation of the extent of the nonvolatile beta plume. Historically, nonvolatile beta has been very low at FTF 20 with a previous maximum result of 19.7 pCi/L. A time series plot has been included in Figure 11 to show the historical nonvolatile beta trends and the results in question at FTF 12R and FTF 20. Contingent analyses (e.g., beta/gamma speciation) were performed on samples from FTF 12R, FTF 20 and FTF 28 to determine the isotope(s) responsible for the beta concentration. The results of the contingent analyses are discussed below.

The 2019 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. As reported in previous years, leaks from the F-Area Inactive Process Sewer Line (FIPSL) are a 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 2019, groundwater in the LAZ beneath the FTF had an average pH of 5.6. As shown in Figure 12, the hydrogen ion content at FTF 28 is elevated compared to nearby wells in the same aquifer and thus the pH is lower (pH 5.07) indicating that FTF 28 has

likely been impacted by the FIPSL. Figure 10 illustrates the approximate extent of the nonvolatile beta plume near the FTF.

Other potential sources of the plume include past releases and contamination areas within the FTF facility boundary (SRNS, 2012a). Placement of additional future wells to accurately identify the source of the plume is limited by existing active utilities and operating facilities. Additional well installation will not be possible until closure of the FTF and HTF (including closure of the F- and H-Area High Level Waste Tanks). If contamination in the groundwater is thought to represent a threat to surface water resources, the Core Team will reconvene to determine if early response actions are required.

Groundwater within the western portion of the General Separations Area (GSA) encompasses the FTF Area OU and is monitored under the FTF Area OU, the GSA Western Groundwater OU, and the monitoring program for the RCRA permitted F-Area Hazardous Waste Management Facility Inactive Process Sewer Line. The width and extent of the nonvolatile beta plume down gradient of the FTF is covered by the GSA Western Groundwater OU and shows that technetium-99 and nonvolatile beta do not represent a threat to surface water (Figure 13), which includes additional wells FSL 4D, FSL 5D, FSL 6D, FSL 7D, FSL 11C, BRR 1D, BRR 6C, BRR 6D, BRR 7C, FGW012D, FGW012C, FGW023 and FGW024.

Contingency analyses were performed for FTF 20, FTF 28 and FTF 12R. The additional analyses are provided in Attachment A. The only constituents detected were bismuth-214 (123 pCi/L), lead-212 (14.6 J pCi/L), lead-214 (145 pCi/L), Plutonium-238 (0.19 J pCi/L), radium-226 (1.22 J pCi/L) and technetium-99 (1,640 pCi/L). Plutonium, radium and strontium were below their respective MCLs.

The elevated levels of bismuth-214 and lead-214 measured in wells FTF 12R and FTF 28 indicate the decay of radium-226 into radon-222. Radium-226, radon-222 and their daughter products (e.g. bismuth-214 and lead-214) are naturally-occurring radionuclides that commonly occur in coastal plain groundwater (Stone 2005). The decay of radon daughter products produces elevated levels of beta radiation associated with the decay of bismuth-214 and lead-214. Although these elevated levels of beta radiation are present, they should not contribute to the nonvolatile beta results. All of the radon-222 present in the sample from the decay of radium-226 is volatized when the sample is evaporated onto the planchet. Whatever concentrations of bismuth-214 and lead-214 (from the decay of radon-222) are deposited on the planchet will decay away rapidly before the sample is analyzed and thus do not contribute to the nonvolatile beta result. The half-lives of lead-214 and bismuth-214 are 27 and 20 minutes, respectively. Thus, the nonvolatile beta observed at FTF 12R and FTF 28 appears to be attributed mainly to technetium-99. It is not uncommon for the technetium-99 results to be higher than the nonvolatile beta results for the same samples, as some technetium-99 is volatilized by the drying step in the nonvolatile beta analytical method. In contrast, the technetium-99 analytical method does not include a drying step, thus avoiding any volatilization of technetium-99.

At FTF 28, FTF 19 and FTF 12R, iodine-129 was also detected, however these results (1.5 J pCi/L, 1.2 J pCi/L and 1.01 J pCi/L, respectively) were “J” qualified because they were below the SQL.

At all three wells, iodine-129 was only detected in one of the sampling events and was non-detect in the other. Iodine-129 has previously been detected at all three wells but iodine-129 is predominantly below detection limits at these three wells. 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 method detection limit (MDL) of the contracted laboratories. For example, at FTF 28, the average MDL over the past ten years was 0.95 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 increase to a level quantifiable using existing analytical methods. SRS will continue to monitor for iodine-129 at the FTF.

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 2019, technetium-99 levels were similar to 2018 at 1,640 pCi/L at FTF 28. Concentration trends for technetium-99 and nonvolatile beta in well FTF 28 are provided in Figure 14, which show a slowly increasing trend over the last ten years. At well FTF 12R, technetium-99 was 369 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. 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 15 provides the monitoring locations. Figures 16, 17, and 18 illustrate groundwater flow directions and third quarter 2019 water levels for the UAZ, LAZ, and GAU, respectively.

In 2019, 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 2019, no results exceeded the screening levels for gross alpha or nonvolatile beta.

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 2019 monitoring results. For comparison, a summary of historical monitoring results is provided in Table 3b.

Overall, the 2019 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 below the MCL in every sample in 2019. In 2018, well HAA 4D measured nitrate-nitrite greater than the MCL (10 mg/L) in the first quarter sample (34.8 mg/L). Since then, nitrate-nitrite at HAA 4D has been below the MCL with a concentration of 7.15 mg/L in the third quarter of 2018 and a maximum concentration in 2019 of 6.39 mg/L. Prior to the exceedance in the first quarter of 2018 nitrate-nitrite has historically been below the MCL at HAA 4D. The remaining results at the HTF were low with more than 50-percent being less than 1 mg/L. The average concentration of all samples for nitrate-nitrite that were unqualified was 1.02 mg/L. Overall, the nitrate-nitrite results were similar to previous years.

Tritium

Tritium was detectable in most of the samples from the HTF wells but was only above the MCL in one well. Well HAA 12C measured tritium greater than the MCL (20 pCi/mL) with a maximum result of 47.1 pCi/mL. As reported in the HTF SAP, tritium has been detected at 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 (HIPSIL) that transported low-level radioactive wastewater from the separations facilities to the H-Area Seepage Basins. Figure 19 shows the history of tritium in both HAA 12 wells (UAZ and LAZ). In 2019, concentrations were steady in HAA 12D and decreasing in HAA 12C. Long-term trends for both wells are shown to be decreasing. Figure 20 shows the maximum tritium concentrations in 2019 for the UTRA. The extent of the tritium plume is monitored by the GSA Eastern Groundwater OU monitoring program.

Gross Alpha

Gross alpha was detected in 37 of the 108 samples collected, but only 7 of those samples were accurately quantifiable above the SQL. The maximum concentration of gross alpha was 7.99 pCi/L measured at well HAA 18D. In 2019, gross alpha was below the screening level of 15 pCi/L in all samples. SRS will continue to monitor gross alpha according to the HTF SAP.

Cadmium and Chromium

Out of 101 samples, 96 results for cadmium were non-detect. The five remaining results were qualified “J”. The “J” qualifier, in this case, meaning the constituent was identified, but below the SQL and thus cannot be accurately quantified. For chromium, only 2 results out of 101 samples were above the SQL. The maximum concentration of chromium was measured at LAZ well HAA 4C (26.3 µg/L) and was well below the MCL of 100 µg/L. Approximately 50% of the chromium samples were non-detect.

Manganese and Sodium

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. Manganese was accurately quantifiable above the SQL in 69 of 101 samples. The third quarter result at HAA 10D (458 µg/L) exceeded the RSL of 430 µg/L, but the first quarter result was below the RSL at 343 µg/L. The average concentration for all samples above the laboratory method detection limit was 27.4 µg/L. In 2019, 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 (19,200 J µg/L) occurring at LAZ well HAA 11B. This result was elevated compared to other results for sodium at the HTF and was J qualified due to Inductively Coupled Plasma serial dilution criteria not being met. The next highest result being 14,500 µg/L at HAA 8D. The average concentration of sodium was about the same as 2018 results at 3,953 µg/L. There is no MCL or RSL for sodium. The current results for both manganese and sodium do not appear to be elevated with respect to historical levels at the HTF.

Nonvolatile Beta

Nonvolatile beta was detected above the SQL in only 16 of 108 samples. The average concentration of those results above the SQL was 7.5 pCi/L. The maximum concentration was 21.1 pCi/L at UAZ well HAA 4D and less than the screening level of 50 pCi/L. SRS will continue to monitor nonvolatile beta according to the HTF SAP.

Technetium-99

Technetium-99 was non-detect in every sample except for one. No results exceeded the MCL (900 pCi/L). The maximum concentration was 12 J pCi/L at well HAA 15C. Historically, technetium-99 has not been identified as a prevalent contaminant in groundwater at the HTF and the 2019 results are consistent with this conclusion.

5.0 CONCLUSION

In 2012, USEPA and SCDHEC approved new groundwater monitoring plans and corresponding SAPs for the FTF and HTF. SRS performed monitoring in 2019 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). Overall, the 2019 monitoring results show no indications of new releases to groundwater. Water level measurements and flow paths were similar to those from past years.

Despite above average rainfall and water elevations in the UAZ over the past few years, FBG 1D has not produced enough water to be sampled since it was installed in 2012. 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. SRS is evaluating alternate locations for the installation of a new UAZ background well. The alternate location will be discussed with SCDHEC and EPA before installation.

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 2018. The maximum result occurred at FTF 28 at 746 pCi/L. Historically, nonvolatile beta has fluctuated from sample to sample at this well. Isotopic analyses performed on samples from FTF 28 and FTF 12R identified technetium-99 as the primary source of nonvolatile beta. The 2019 maximum concentration of technetium-99 at FTF 28 was 1,640 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.

During scoping of the monitoring strategy and development of the sampling plan, the Core Team recognized that the placement of additional future wells to accurately identify the source of the plume is limited by existing active utilities and operating facilities. Additional well installation will not be possible until closure of the FTF and HTF (including closure of the F- and H-Area High Level Waste Tanks). If contamination in the groundwater is thought to represent a threat to surface water resources, the Core Team will reconvene to determine if early response actions are required.

SRS will continue to monitor for technetium-99 and nonvolatile beta in this area and has included data from GSA Western Groundwater OU FSL, FGW, and BRR series wells on Figure 13 to show the extent of the technetium-99 and nonvolatile beta plumes.

The maximum gross alpha concentration (28.5 J pCi/L) was measured at well FTF 28 during the first quarter. A field duplicate sample was analyzed for that sample and had a gross alpha concentration of 13.2 J pCi/L. Both of these results were J qualified due to the RPD (Relative Percent Difference) between the two samples being outside of laboratory quality control limits. The maximum result exceeded the trigger level of 15 pCi/L, so analysis for specific radionuclides was done at FTF 28 during the third quarter. However, the third quarter gross alpha concentration

at FTF 28 (1.42 J pCi/L) was very low and all process related constituents were non-detect. Overall, gross alpha concentrations were low and consistent with previous results at the FTF.

Concentrations of nitrate-nitrite, cadmium, chromium, manganese, and sodium remain low and are below their respective RSL/MCL. Overall, the 2019 monitoring results show no indications of new releases at the FTF.

H Tank Farm

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 HIPSIL, both potential sources of historical tritium releases. The downgradient extent of the tritium plume is delineated and monitored by the GSA Eastern Groundwater OU monitoring program. At well cluster HAA 12, tritium exceeded the MCL in the LAZ well HAA 12C. Compared to recent years, tritium concentrations in 2019 were steady at HAA 12D and decreasing at HAA 12C. SRS will continue to monitor for tritium at the FTF.

Manganese exceeded its RSL at one well (HAA 10D) during the third quarter but was below the RSL in the first quarter sample. Manganese is naturally occurring in the aquifer sediments at SRS and current levels are significantly lower than past results.

Concentrations of cadmium, chromium, gross alpha, sodium and nonvolatile beta remain low and are below their respective MCLs. Overall, the 2019 monitoring results show no indications of new releases at the HTF.

6.0 REFERENCE

SRR, 2017. *Consolidated General Closure Plan for F-Area and H-Area Waste Tank Systems*, SRR-CWDA-2017-00015, Revision 1, Savannah River Remediation LLC, Savannah River Site, Aiken, SC, April 2017

SRNL, 2020. *Atmospheric Technologies Group Meteorological Monthly Monitoring Report*, SRNL-L2200-2020-00001, Revision 0, Savannah River National Laboratory, Savannah River Nuclear Solutions, 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

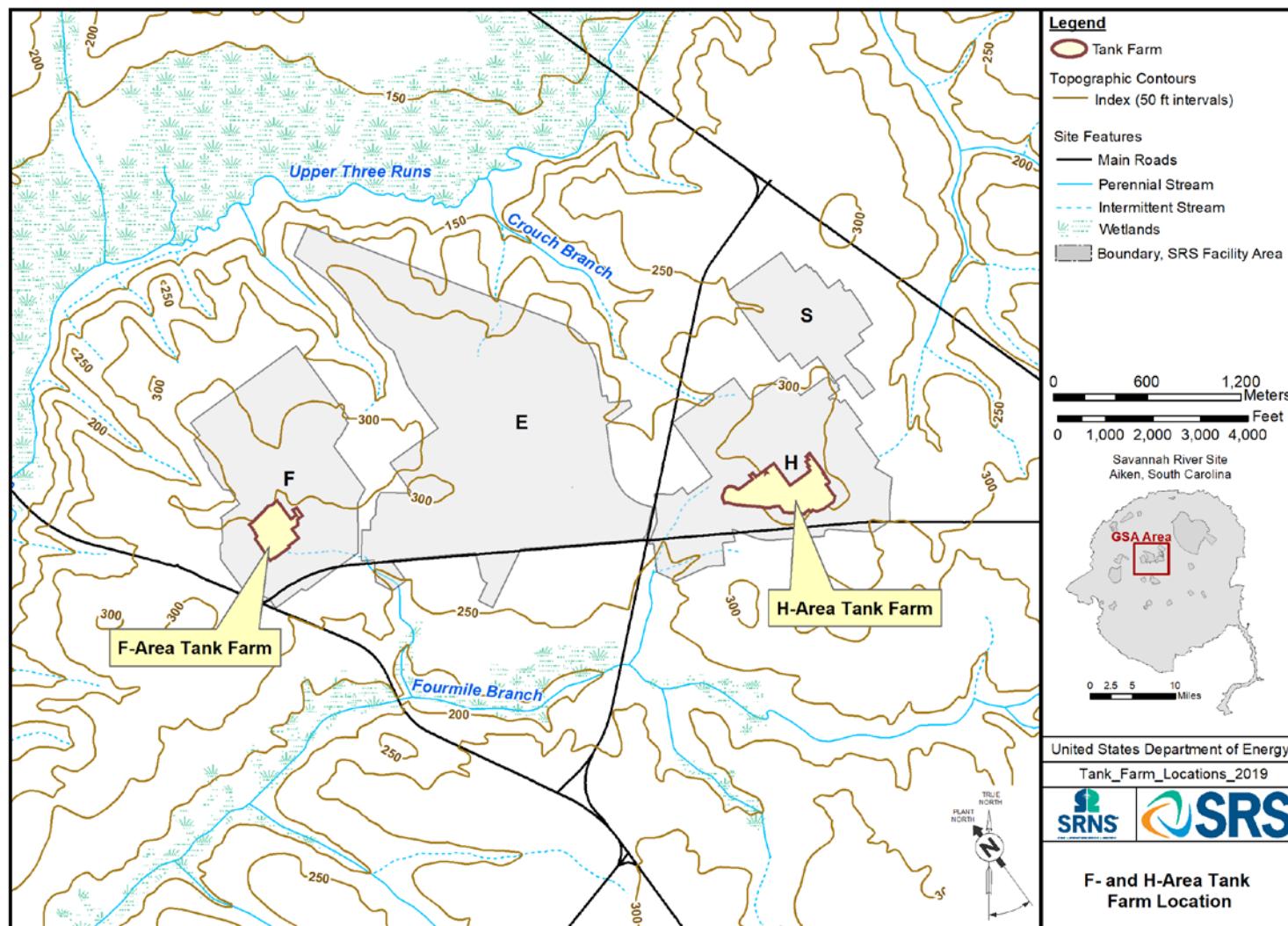


Figure 1. Locations of the F-Area and H-Area Tank Farms

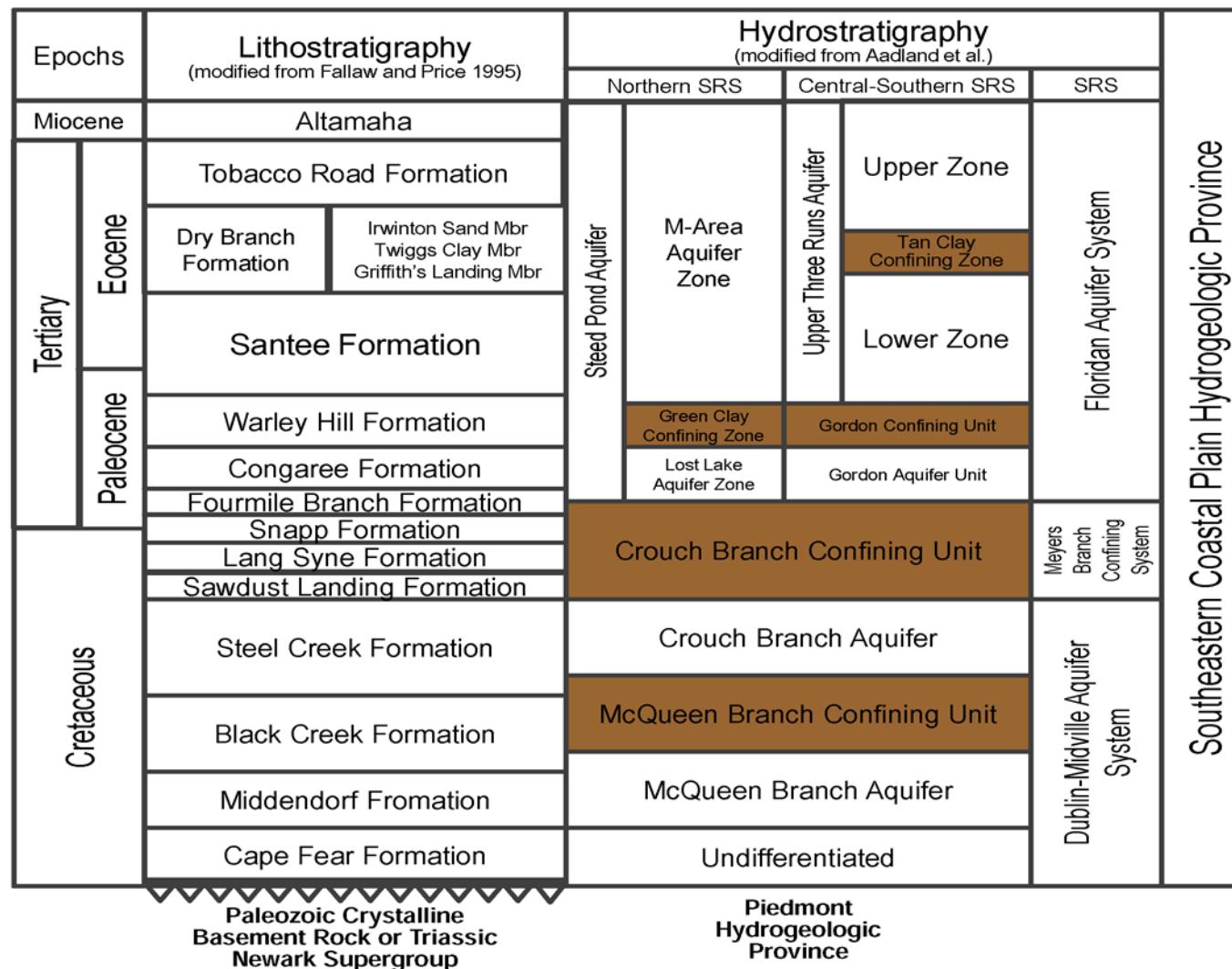


Figure 2. Lithostratigraphic and Hydrostratigraphic Units at the F-Area and H-Area Tank Farms

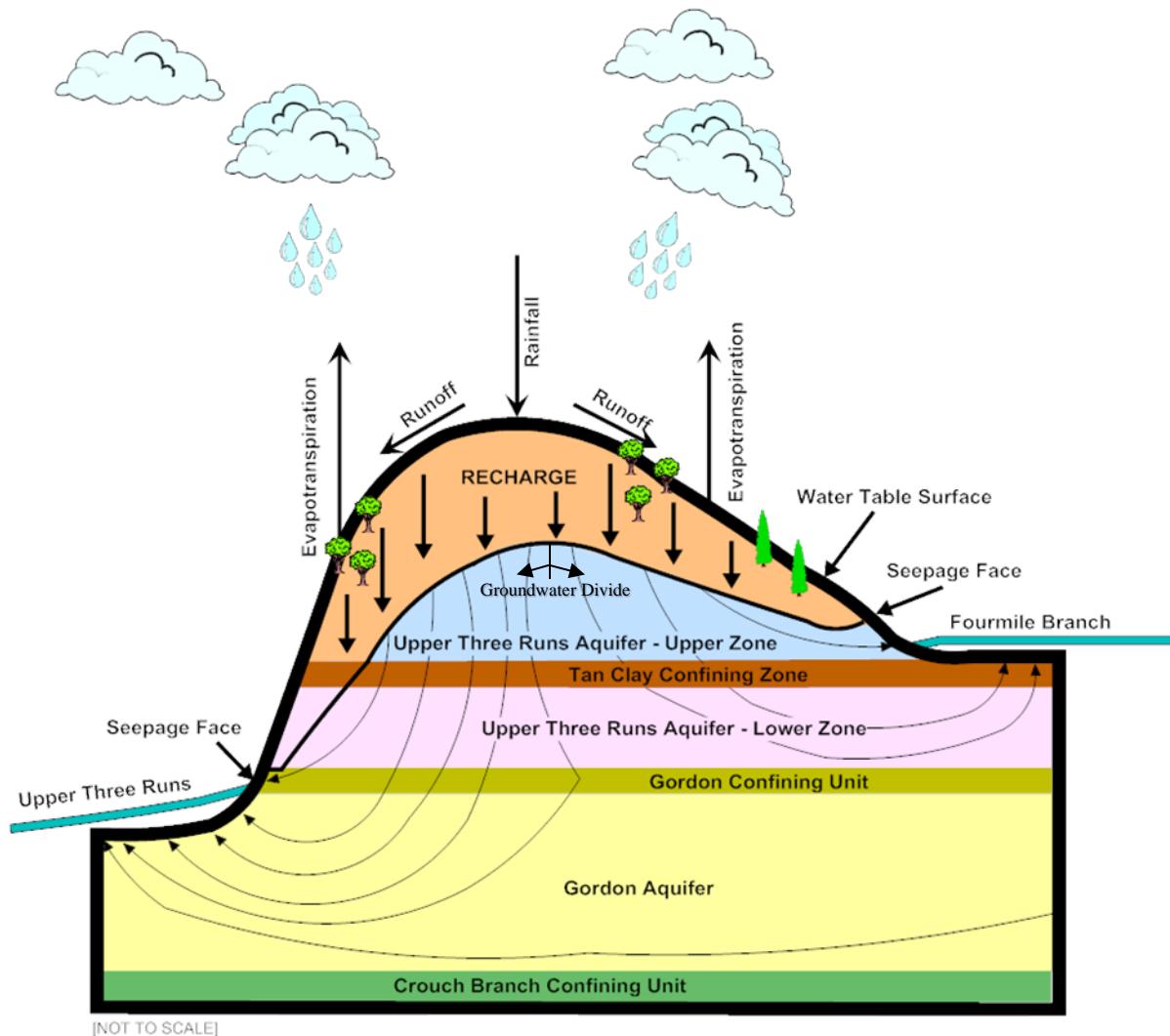


Figure 3. Surface and Groundwater Flow at the General Separations Area

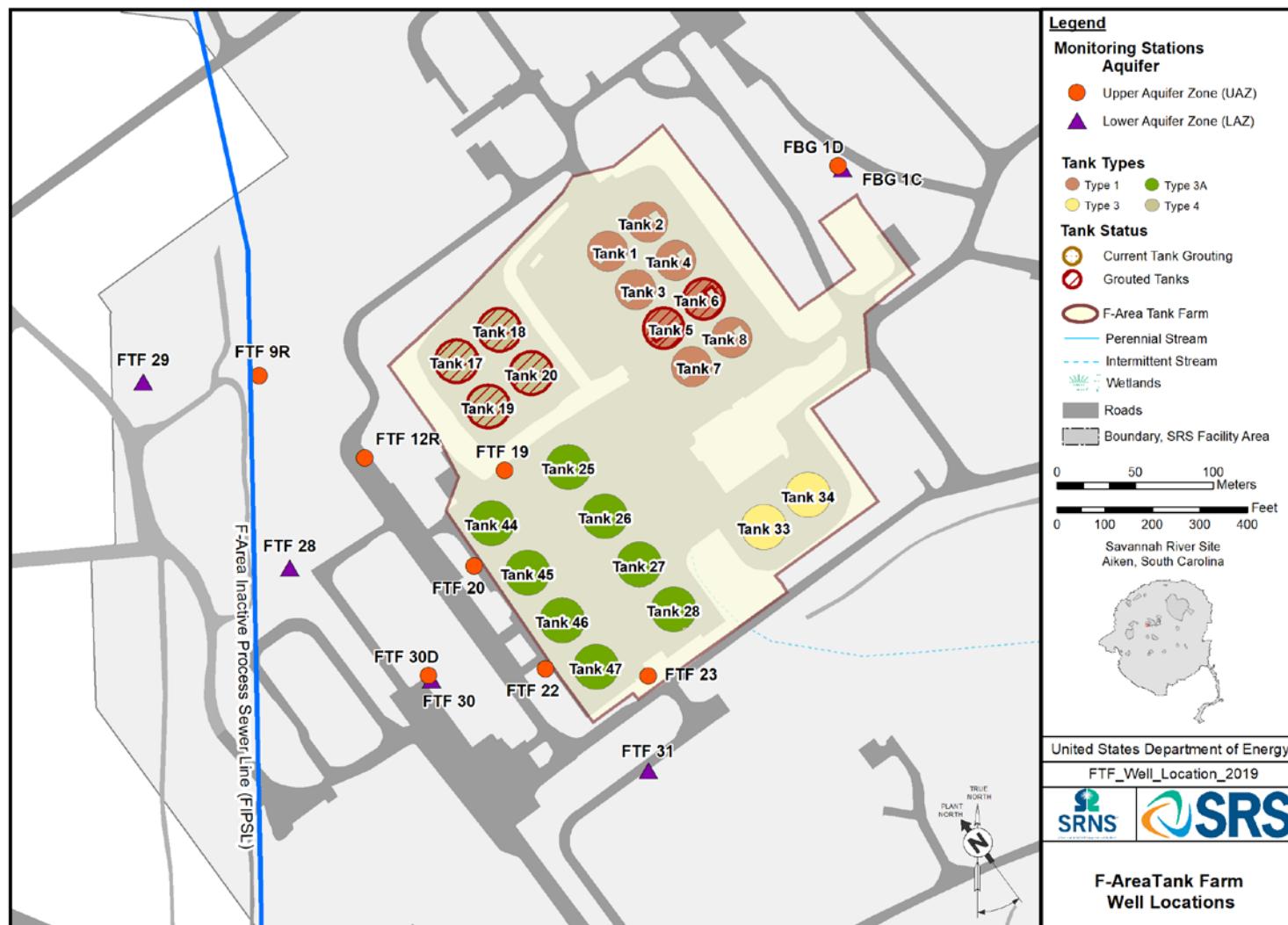


Figure 4. Location of Wells for the FTF Groundwater Monitoring Network

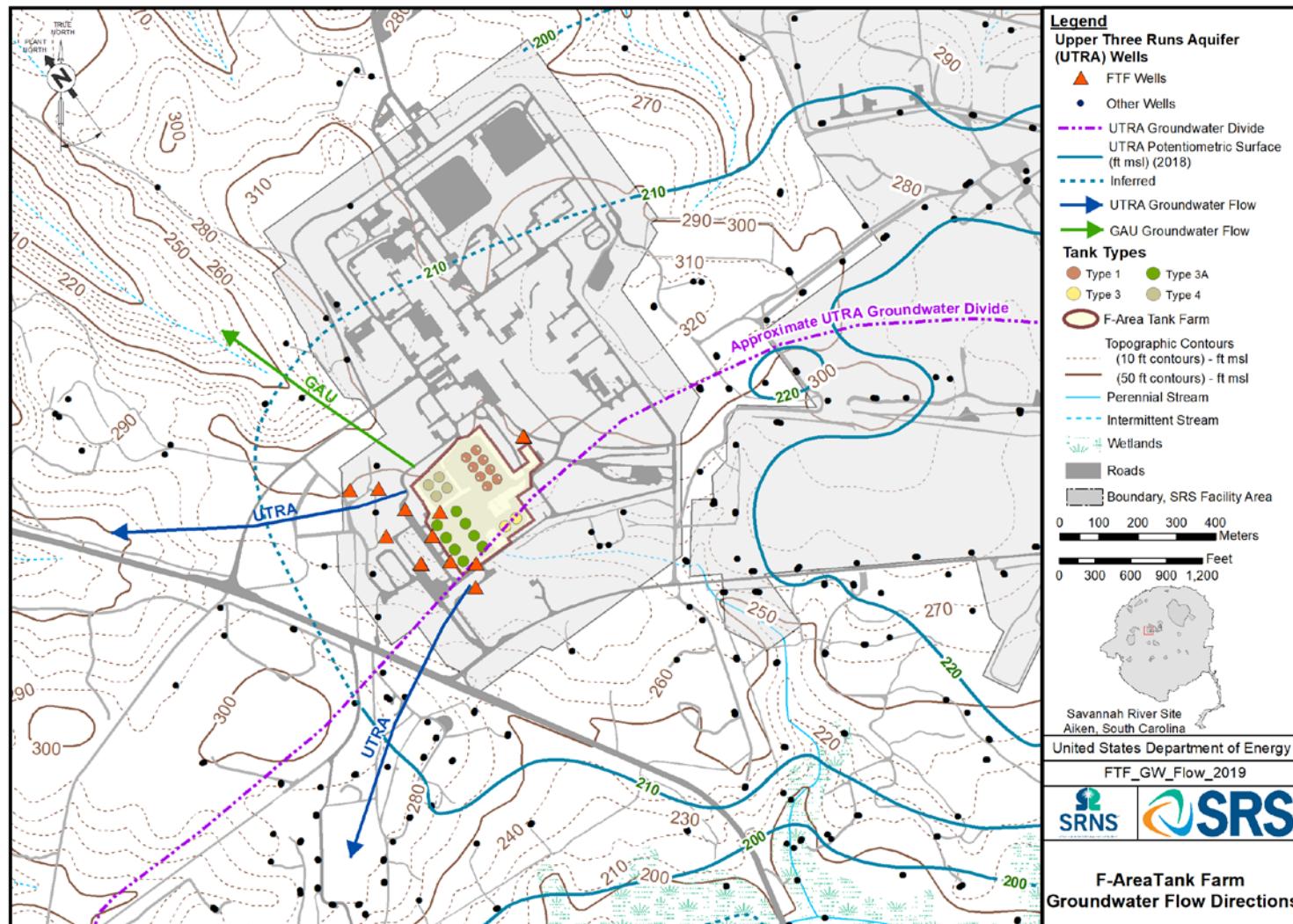


Figure 5. Potentiometric Surface and Groundwater Flow Directions at the FTF

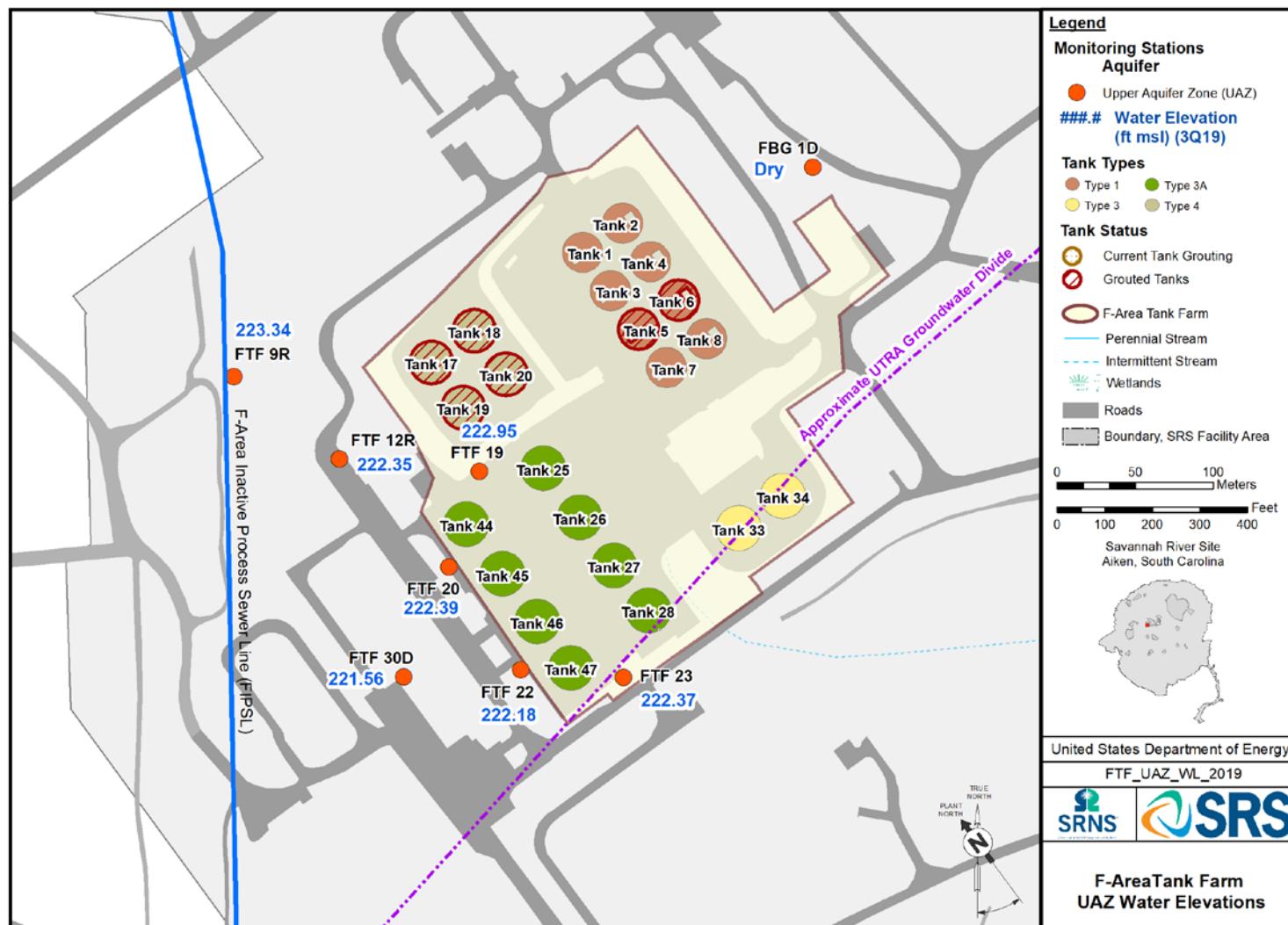


Figure 6. Water Elevation (ft msl) for the UAZ of the UTRA during the Third Quarter of 2019

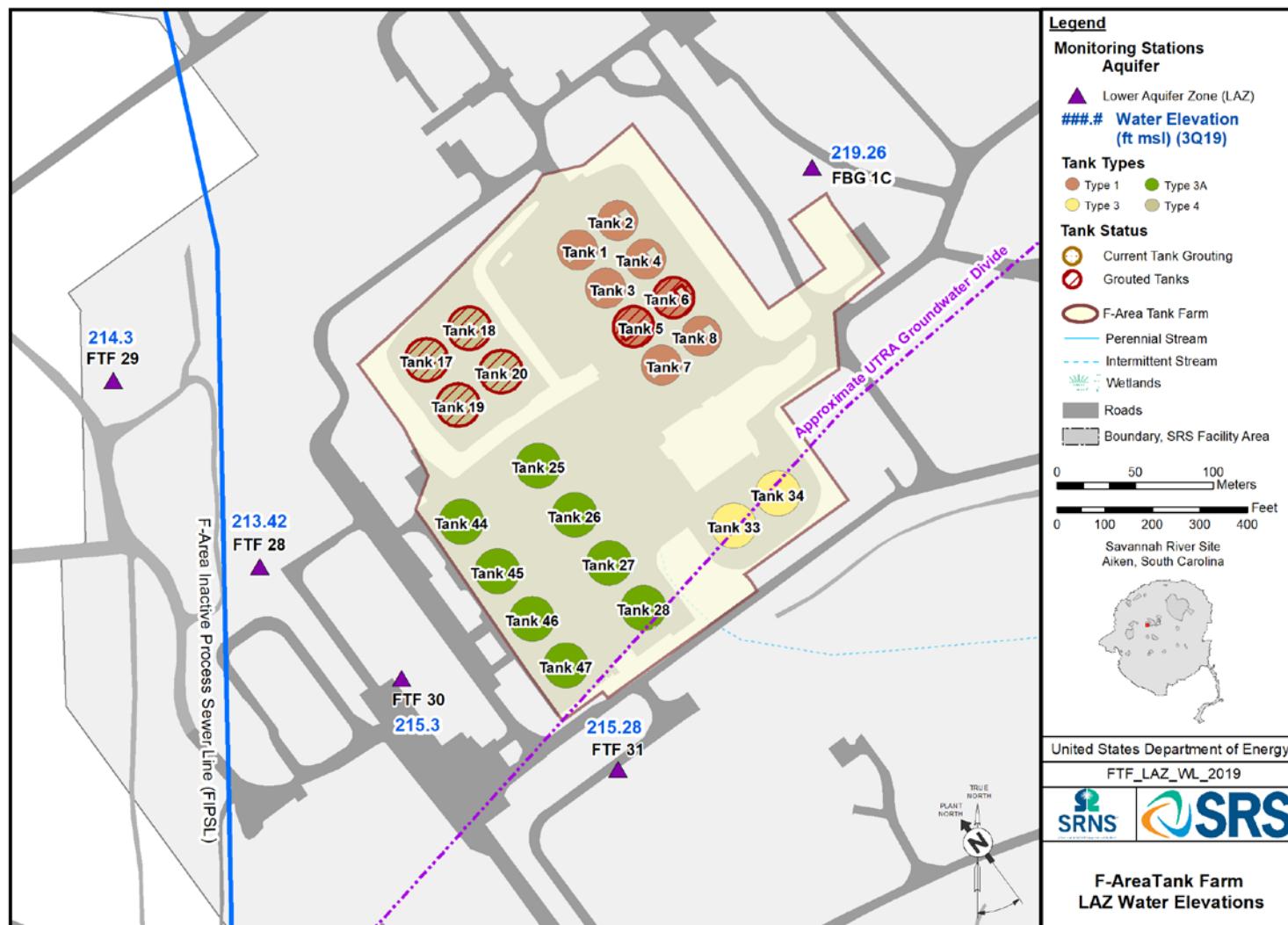


Figure 7. Water Elevation (ft msl) for the LAZ of the UTRA during the Third Quarter of 2019

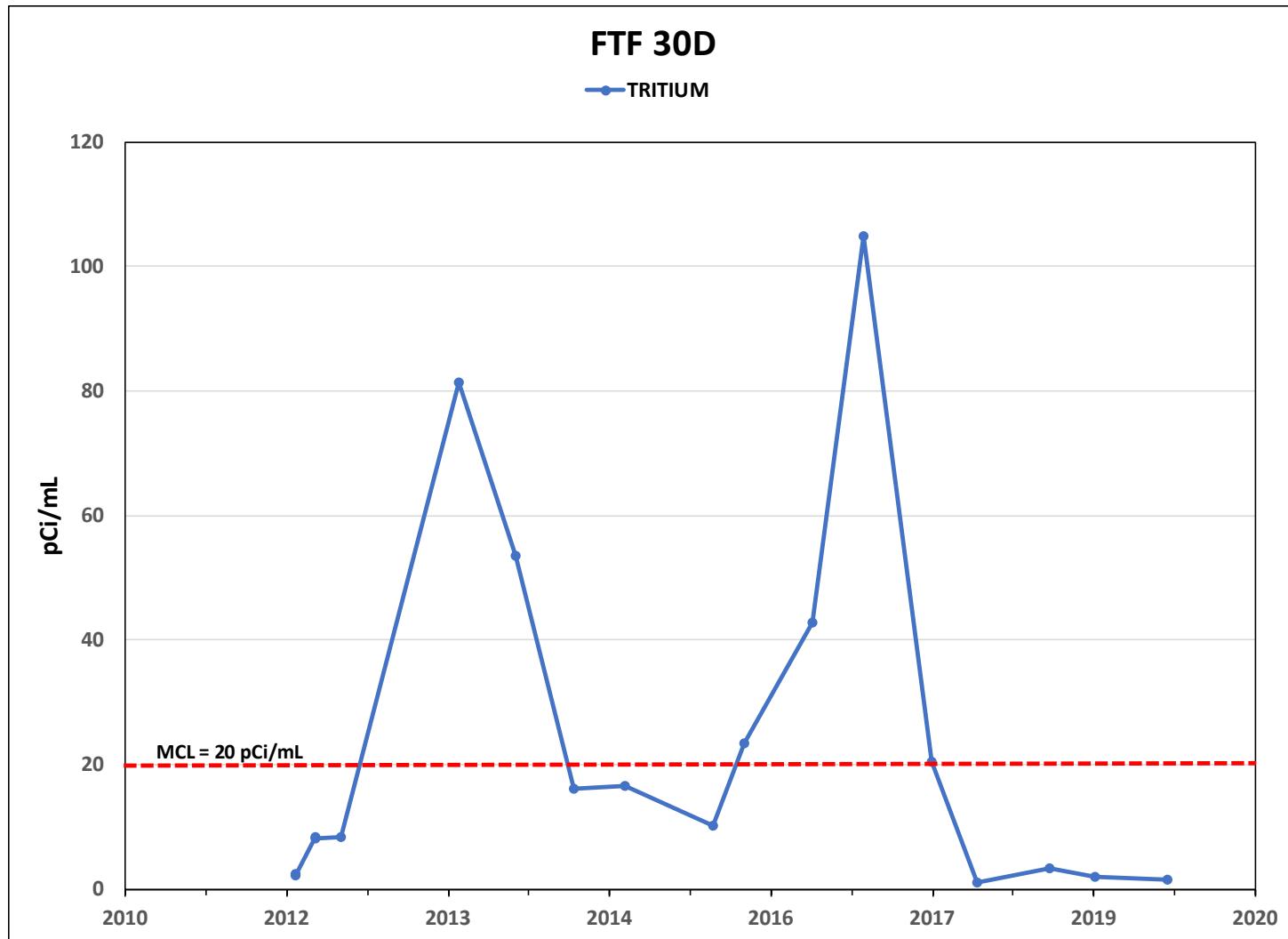


Figure 8. Tritium Results (pCi/mL) for FTF 30D

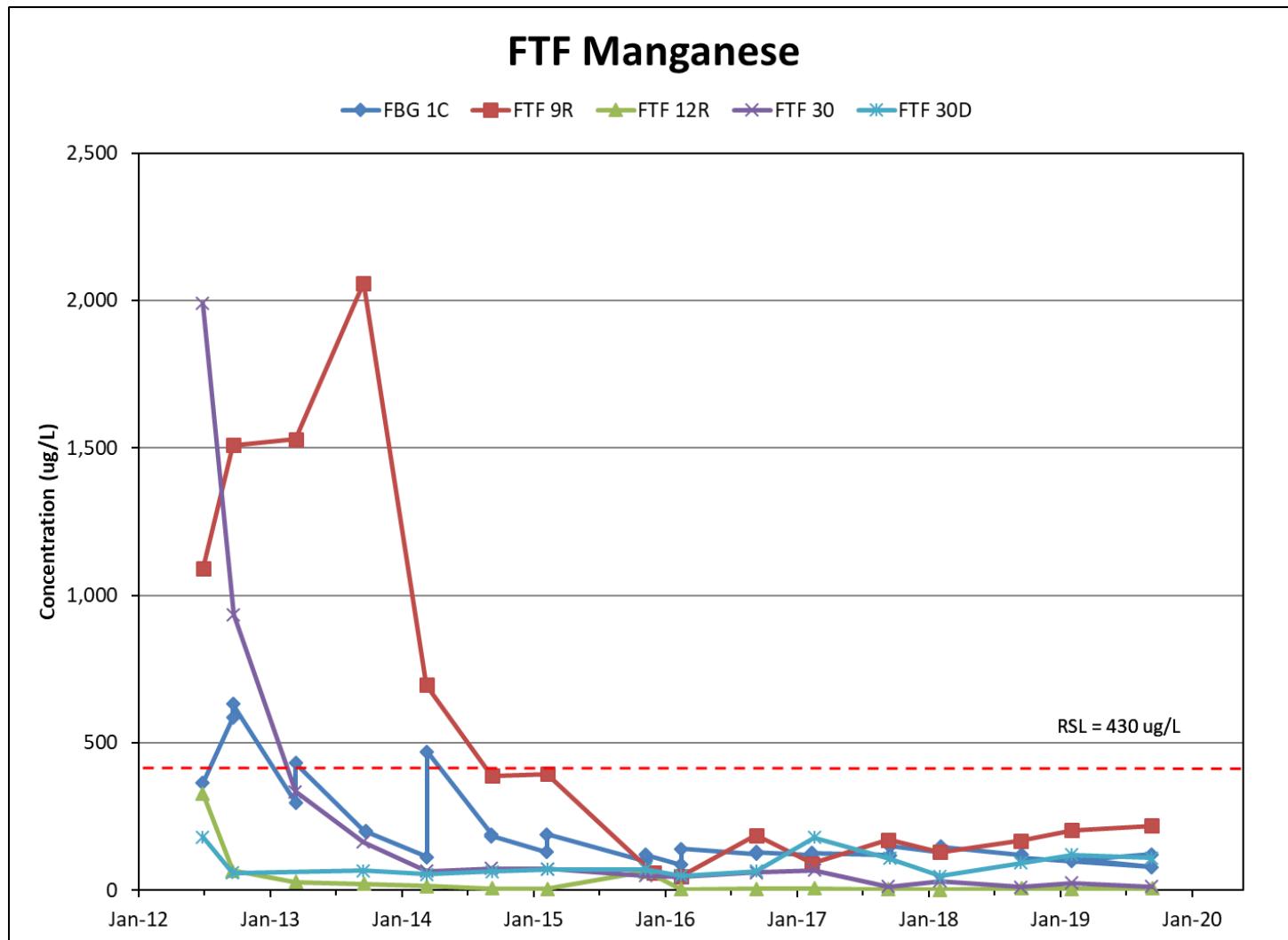


Figure 9. Manganese Concentrations in Wells at F-Tank Farm

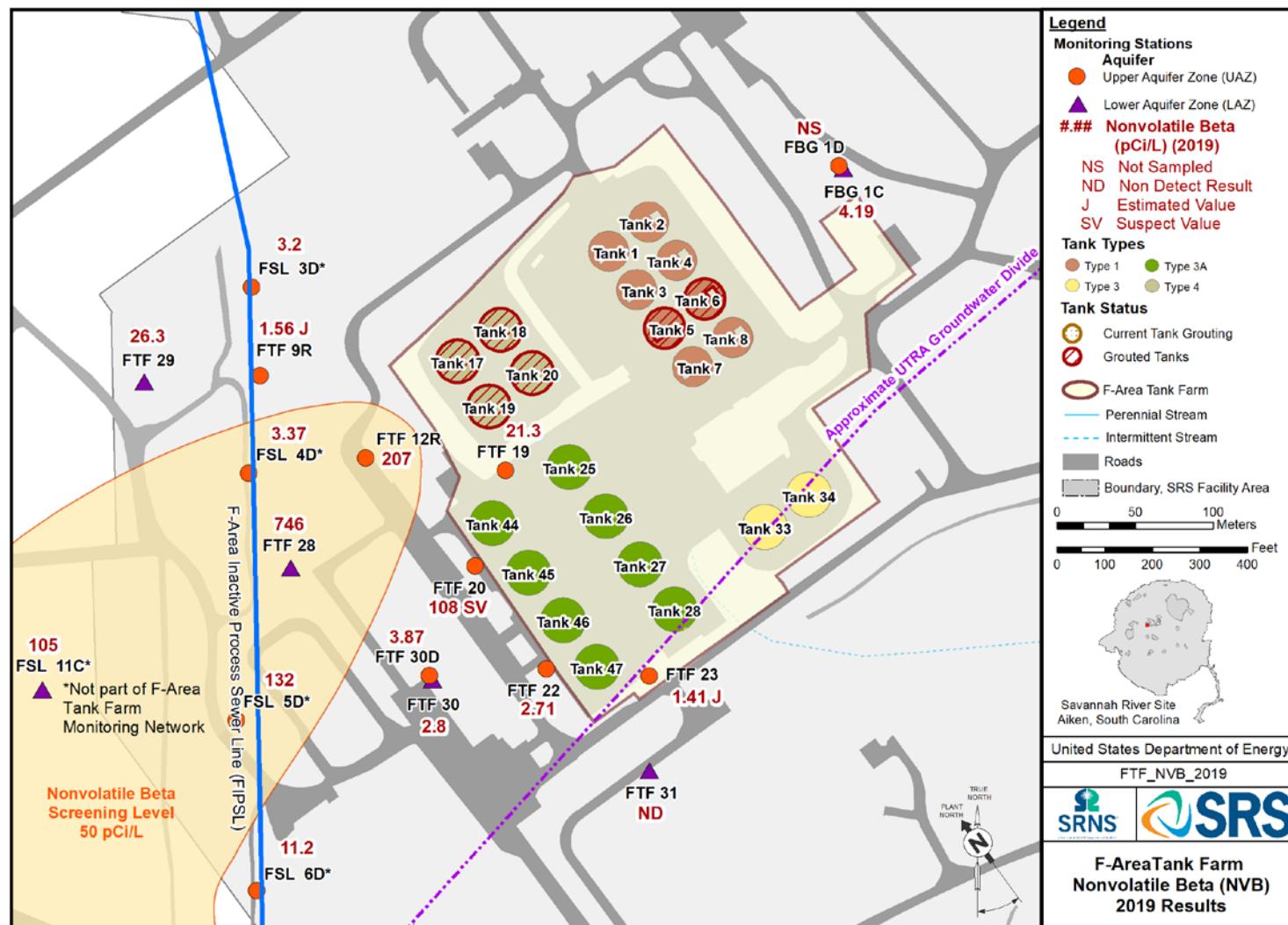


Figure 10. Nonvolatile Beta Results (pCi/L) for the FTF in 2019

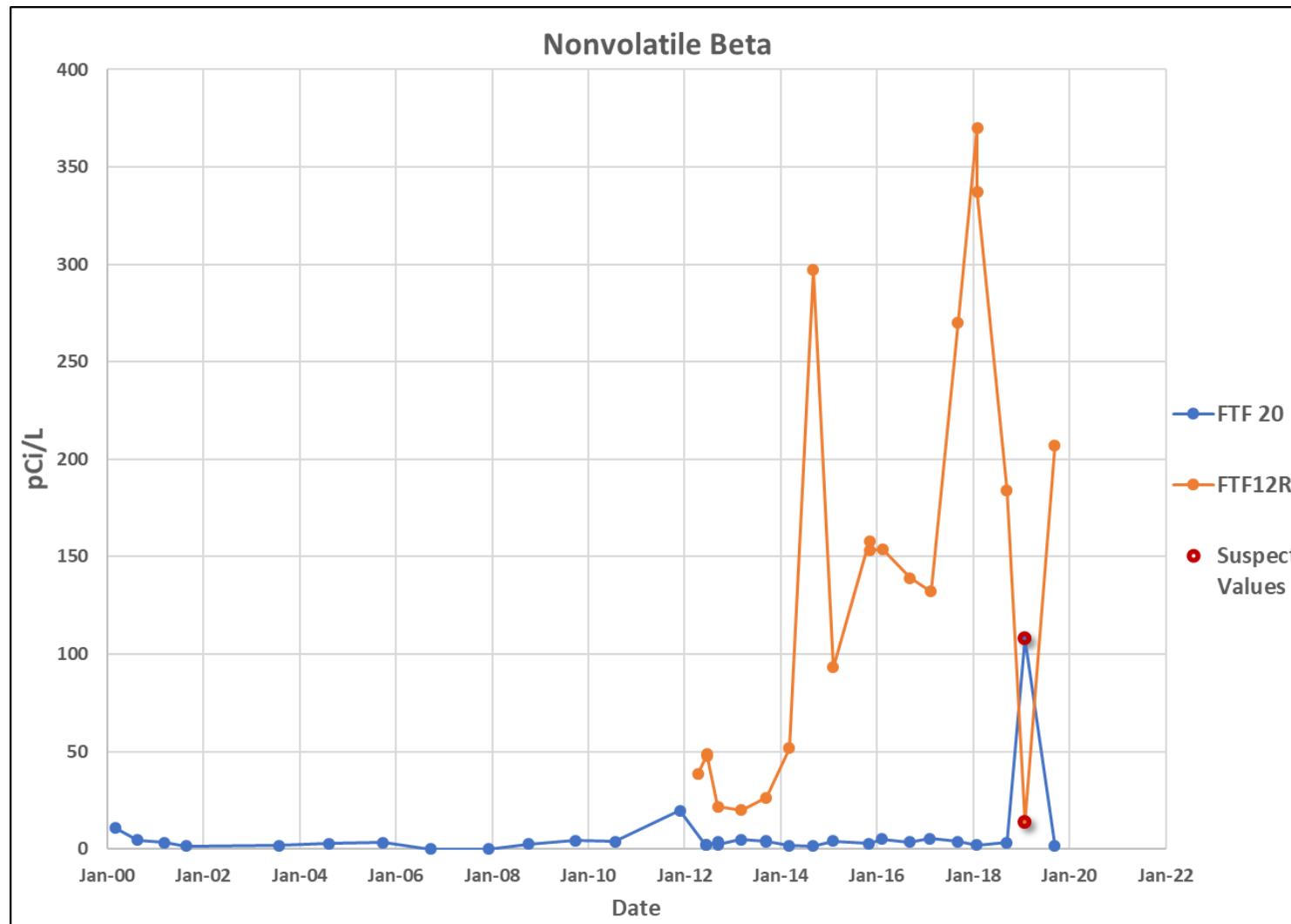


Figure 11. Nonvolatile Beta Results (pCi/L) for wells FTF 20 and FTF 12R

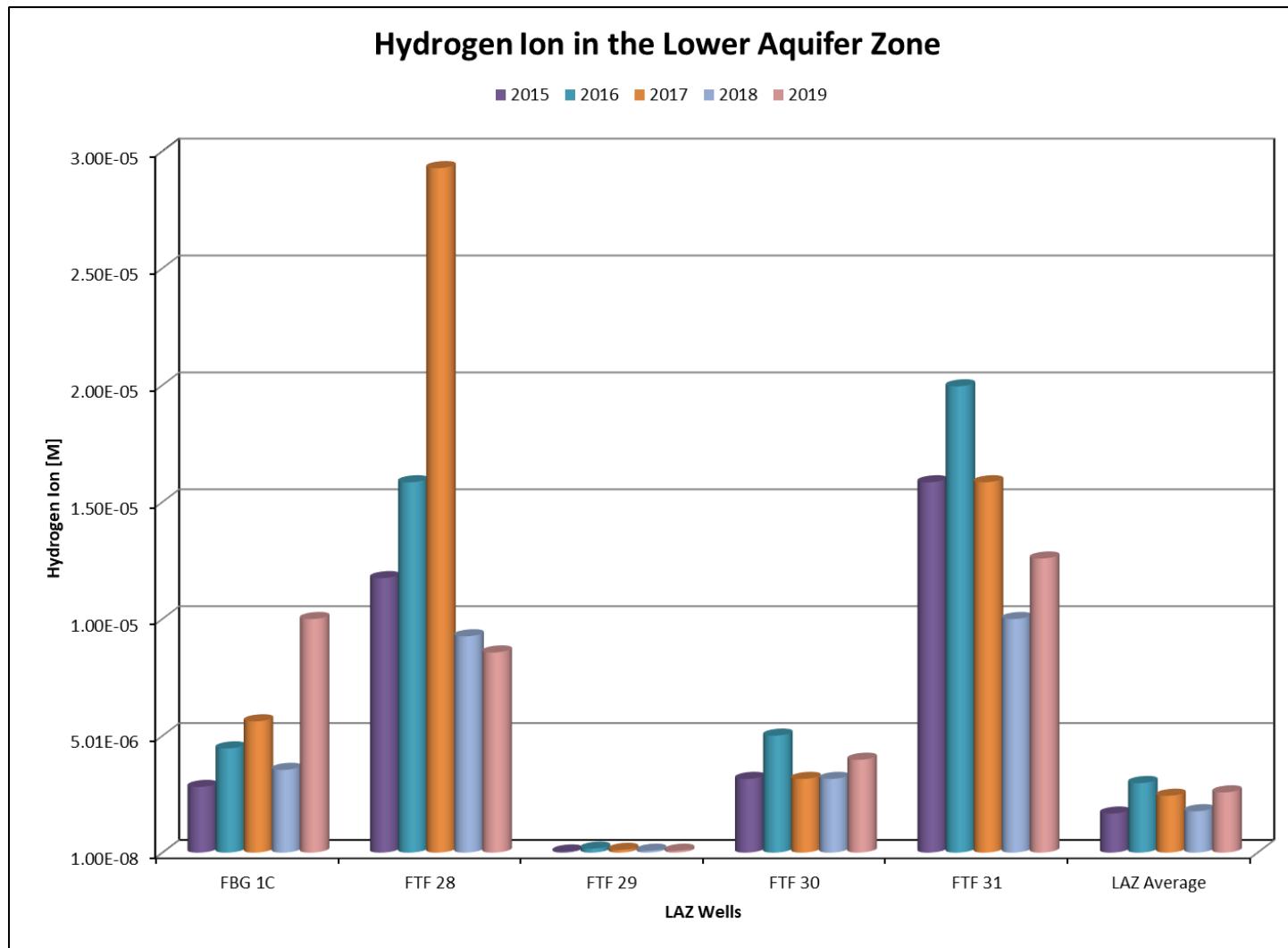


Figure 12. Hydrogen Ion in the LAZ at FTF

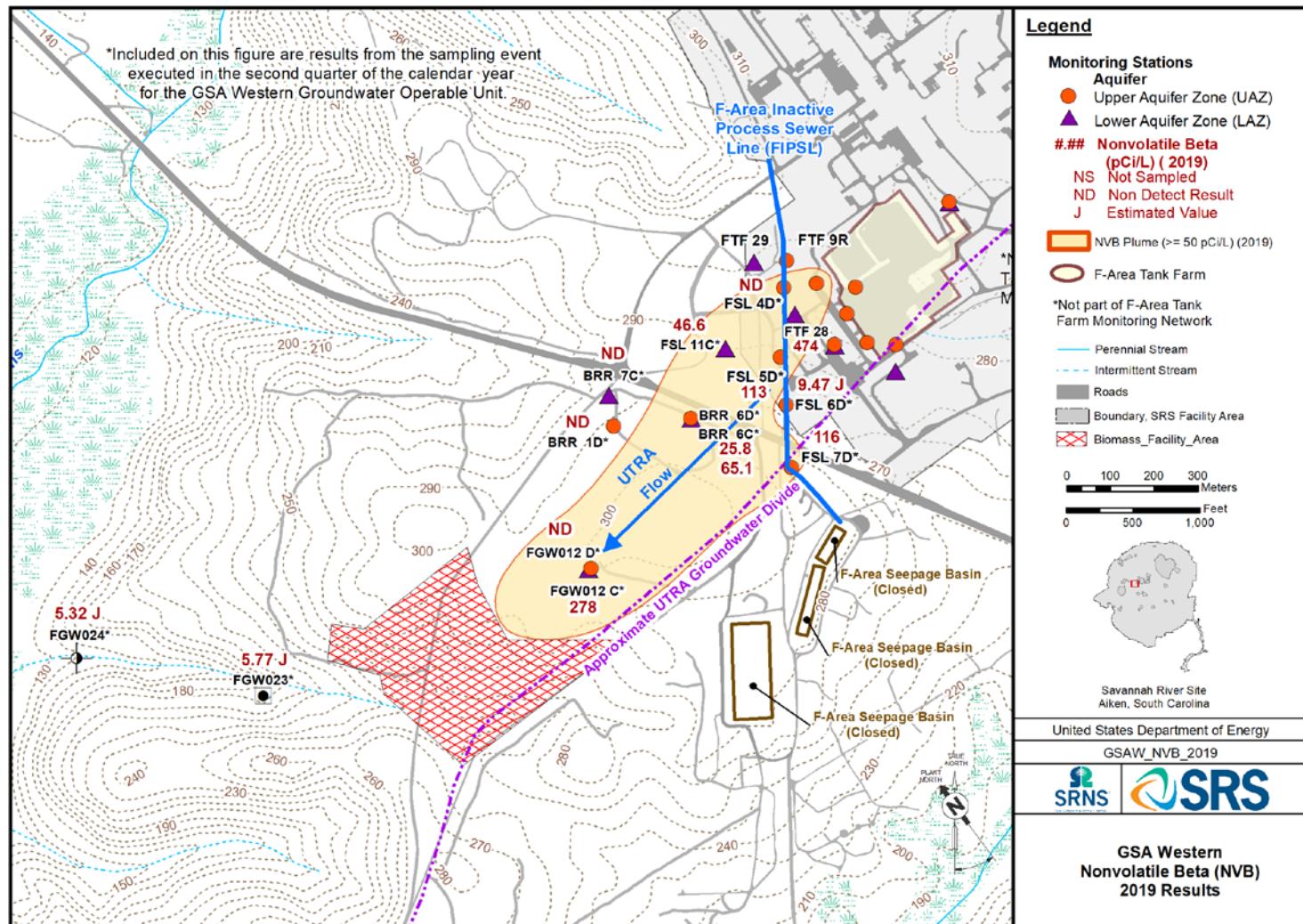


Figure 13. Nonvolatile Beta Results for General Separations Area Western Groundwater Operable Unit

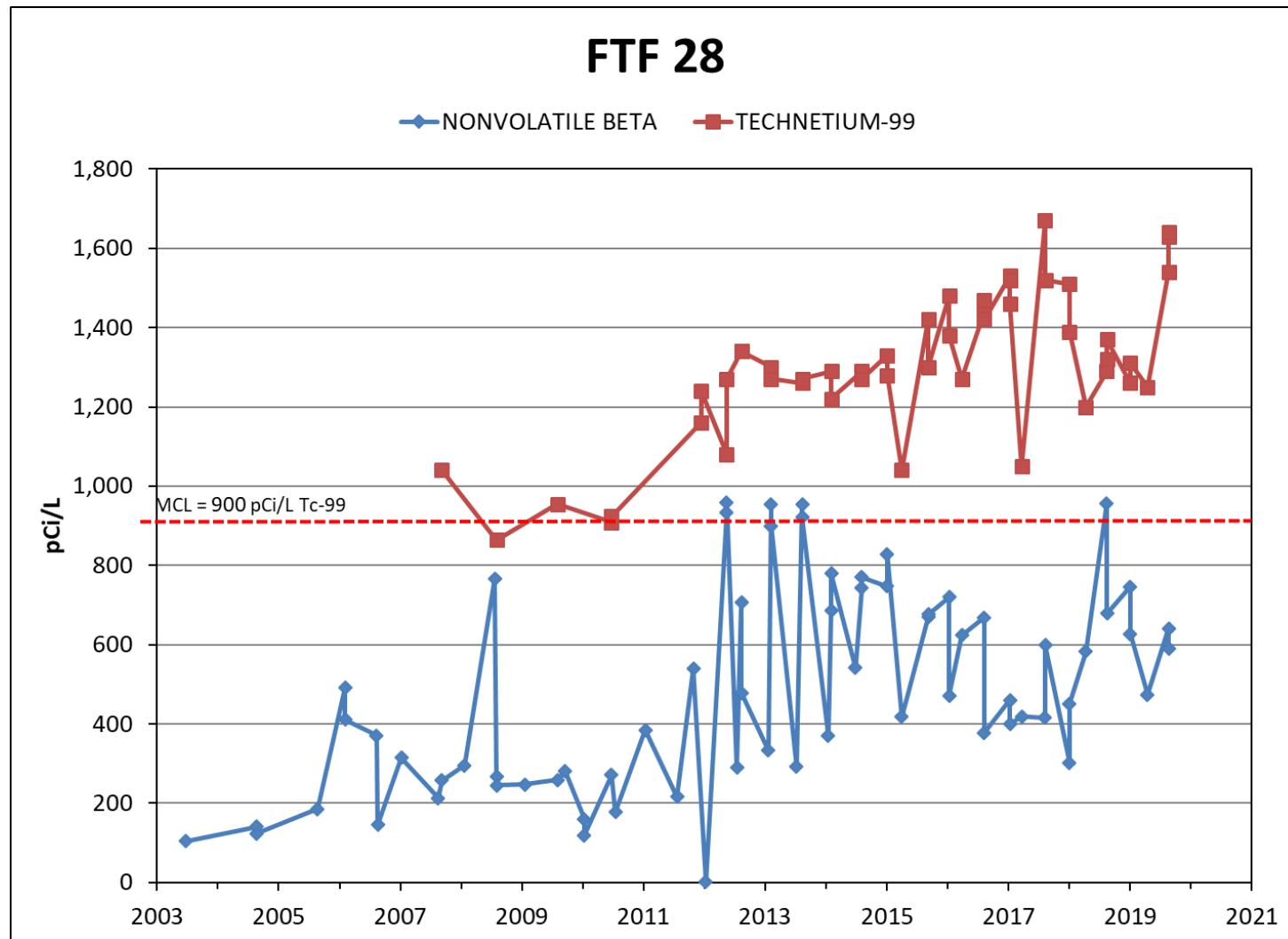


Figure 14. Nonvolatile Beta and Technetium-99 Concentrations for FTF 28

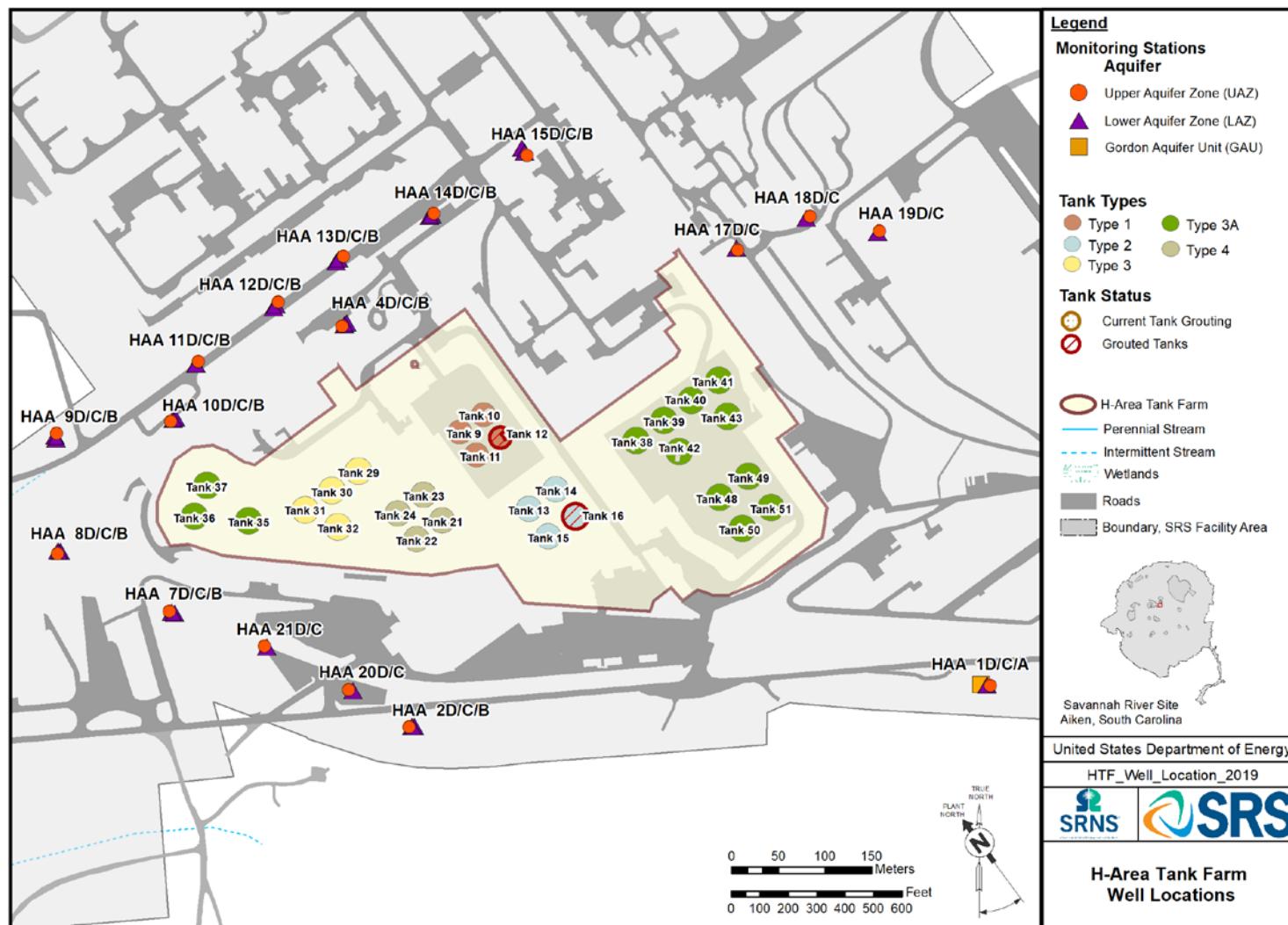


Figure 15. Location of Wells for the HTF Groundwater Monitoring Network

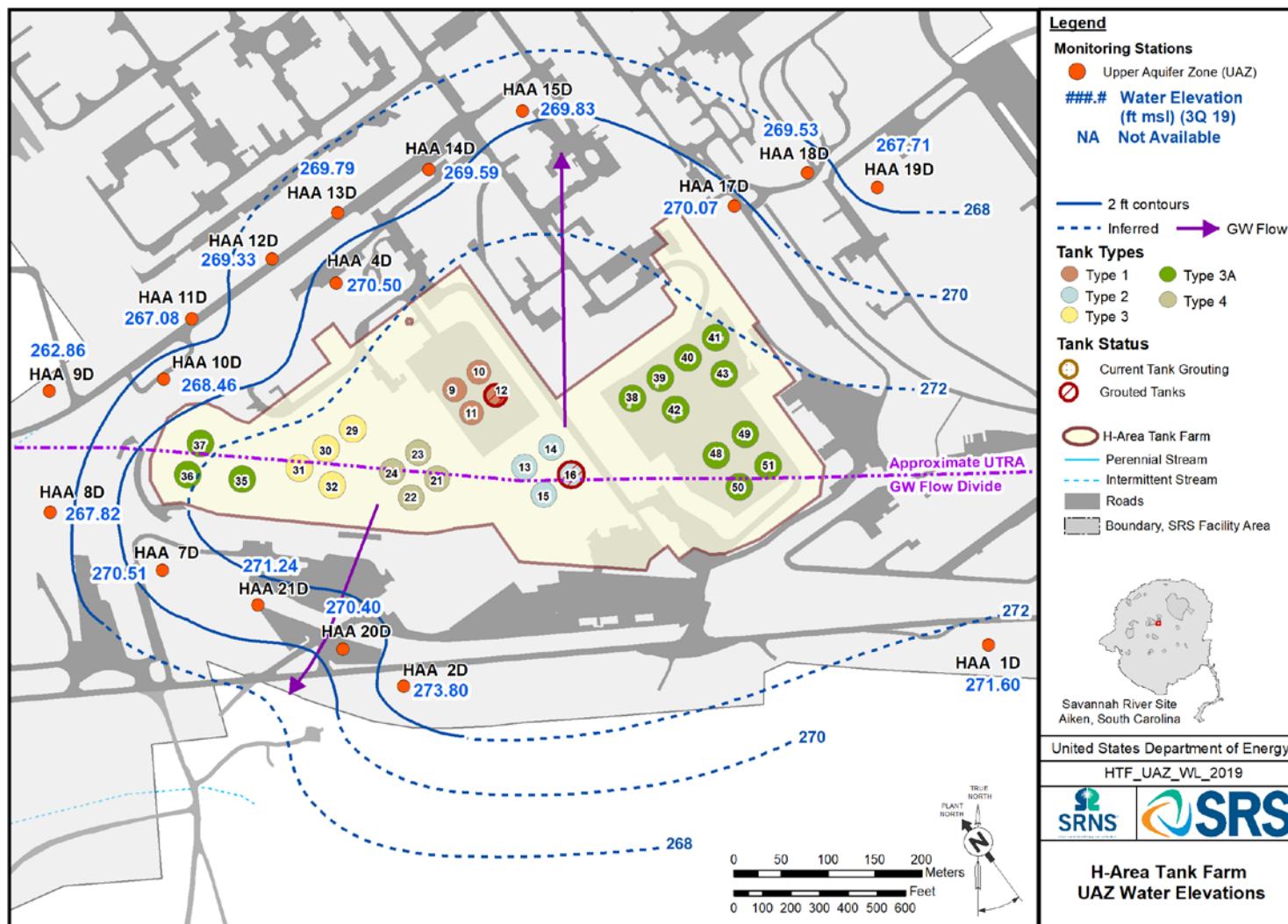


Figure 16. Water Elevation (ft above msl) for the UAZ of the UTRA during the Third Quarter of 2019

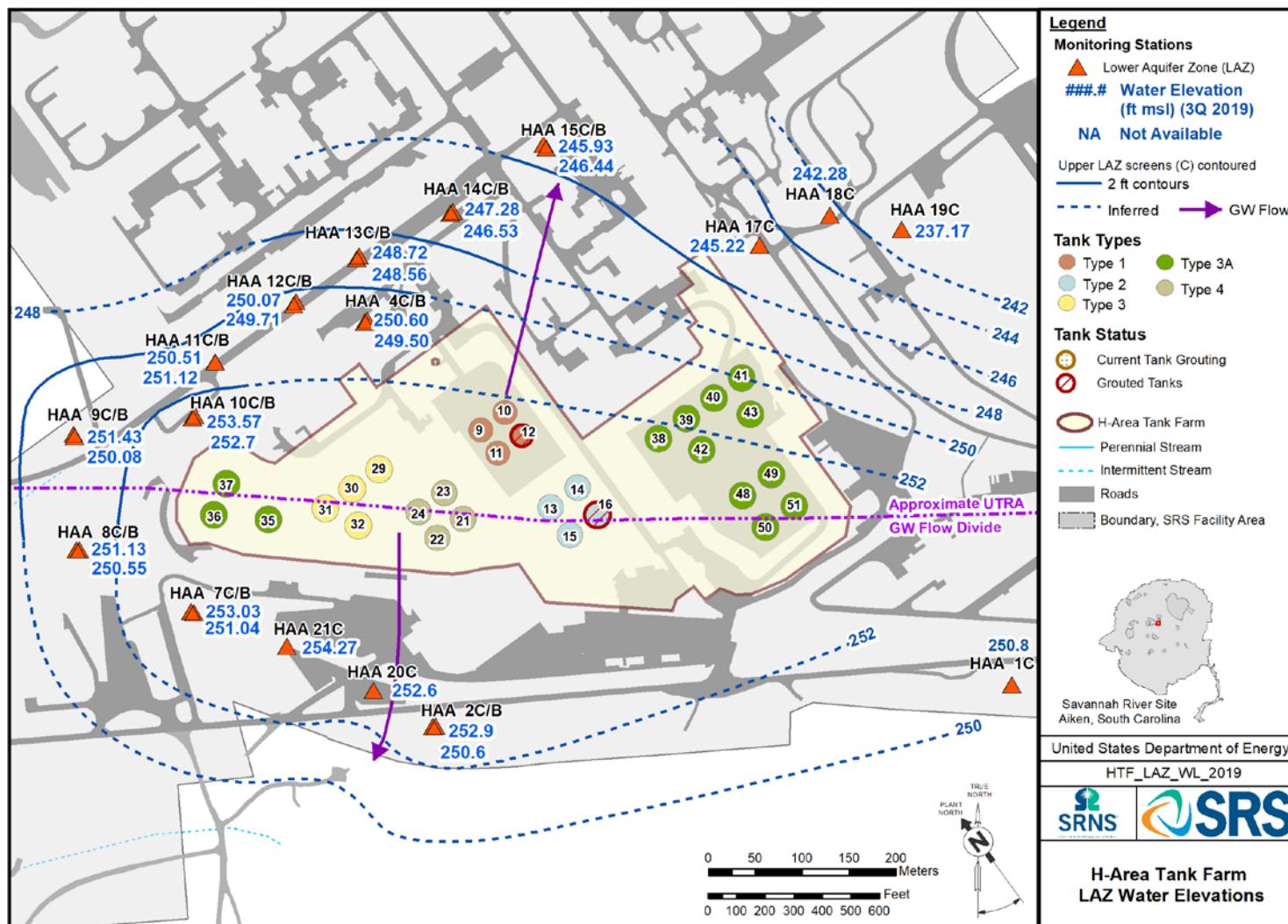


Figure 17. Water Elevation (ft above msl) for the LAZ of the UTRA during the Third Quarter of 2019

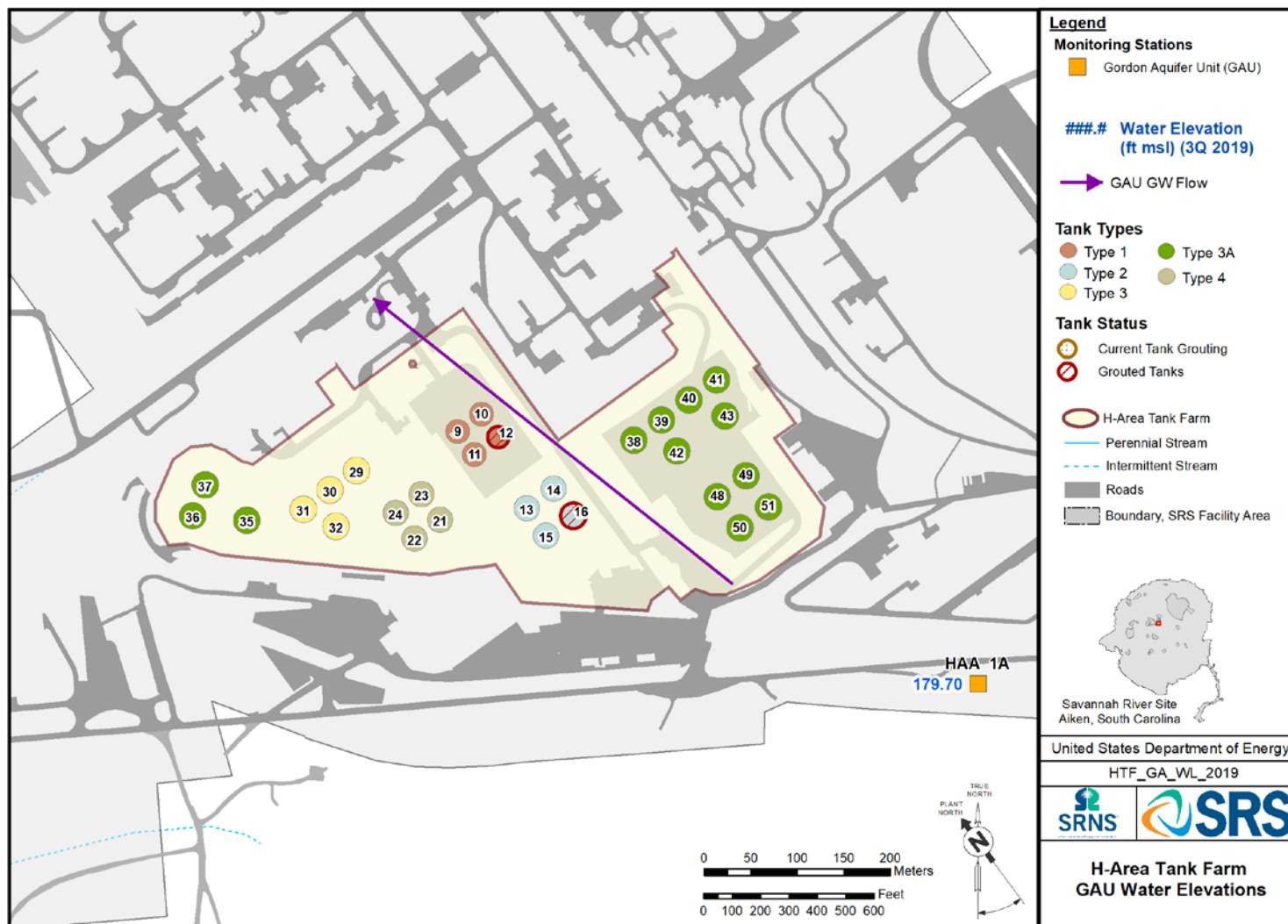


Figure 18. Water Elevation (ft above msl) for the GAU during the Third Quarter of 2019

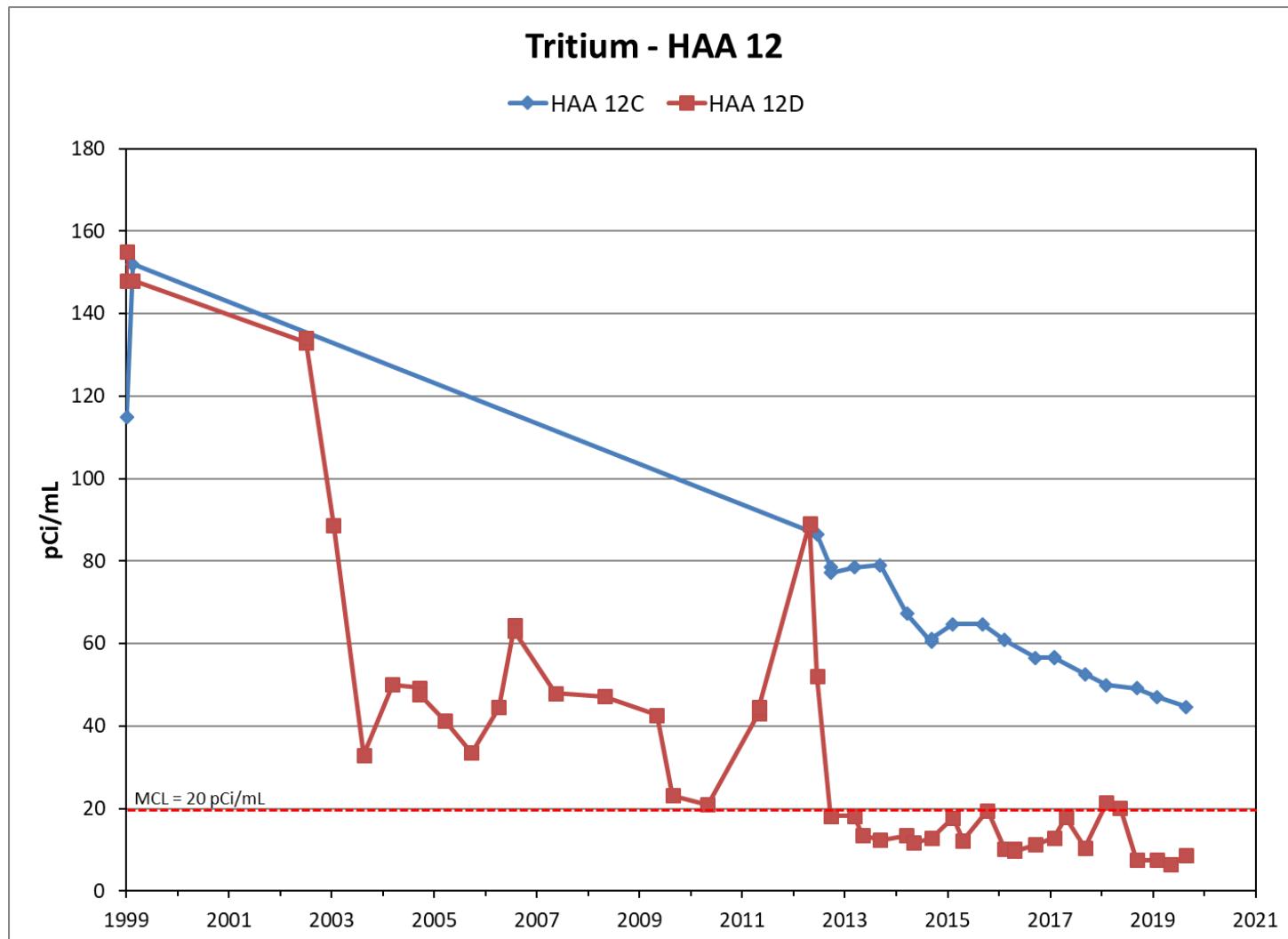


Figure 19. Tritium Results (pCi/mL) for HAA 12 Wells

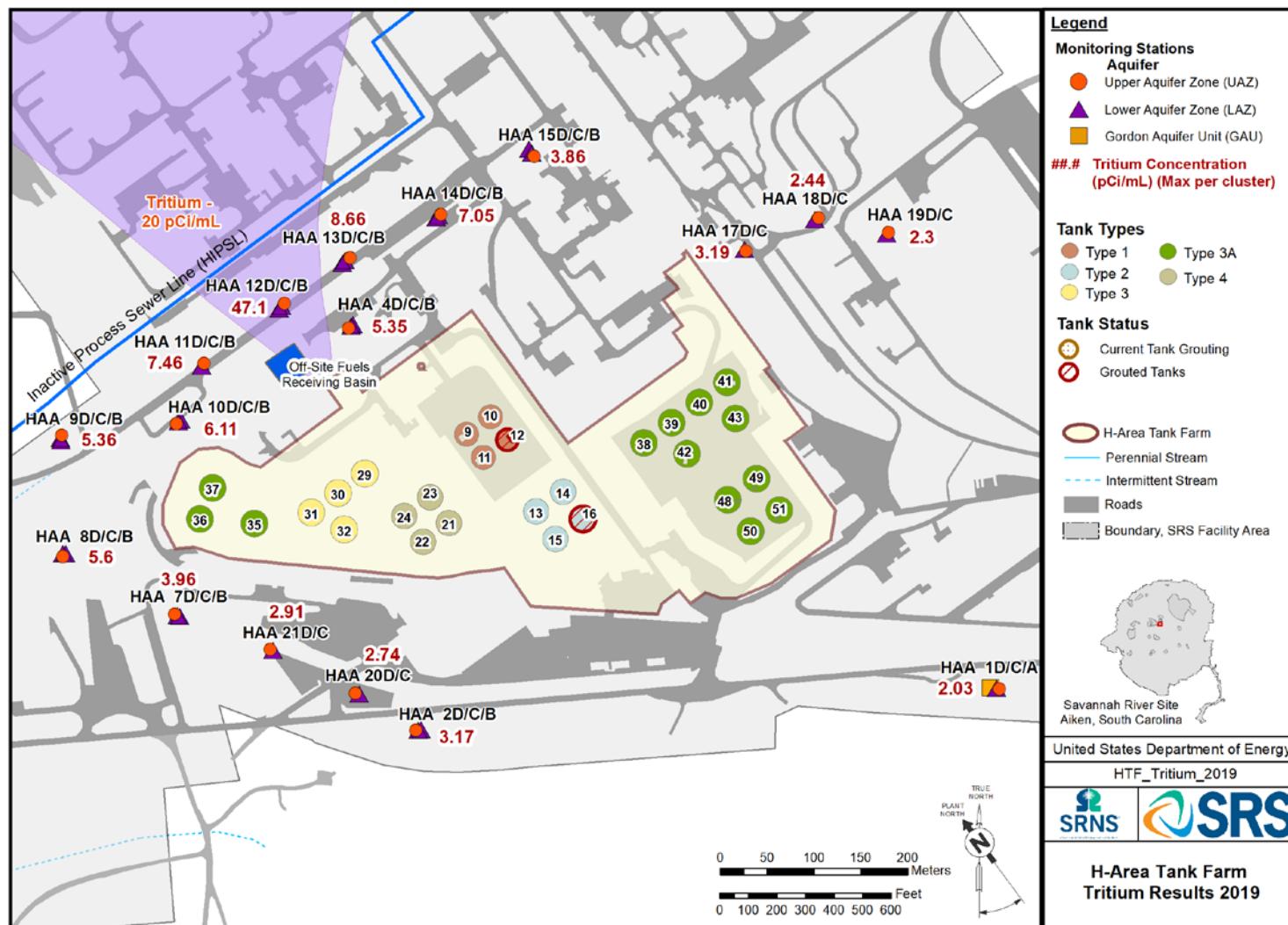


Figure 20. 2019 Tritium Results (pCi/mL) for the UTRA at the HTF

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

Facility	Well	Aquifer	Screen Depth	Ground Elevation	UTM North	UTM East
			(ft)	(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)	(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 2019 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	29	0	29	3.0 mg/L	7.07 mg/L	10 mg/L	0
Cadmium	28	23	1	0.43 µg/L	0.54 µg/L	5 µg/L	0
Chromium	28	21	0	6.2 µg/L	9.07 J	100 µg/L	0
Manganese	28	2	26	52.6 µg/L	219 µg/L	430 µg/L	0
Sodium	28	0	15	7,242 µg/L	19,000 J µg/L	NA	NA
Gross Alpha	30	12	0	4.8 pCi/L	28.5 J pCi/L	15 pCi/L	1
Nonvolatile Beta	30	8	16	137 pCi/L	746 pCi/L	50 pCi/L	6 ^f
Tritium	28	0	18	1.6 pCi/mL	3.14 pCi/mL	20 pCi/mL	0
Technetium-99	17	8	7	880 pCi/L	1,640 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; if no result > SQL then maximum result > MDL will be used

e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water

f. Nonvolatile Beta > MCL at three wells (FTF 20, FTF 28 and FTF 12R), Technetium-99 > MCL at one well (FTF 28)

Table 2b. Summary of Historical Groundwater Monitoring Results for the F-Area Tank Farm (2003 - 2015)

Constituent	Number of Samples ^a	Number of Non-Detects	Number of Results > SQL ^b	Result Range ^c	Result Average ^d	MCL/RSL ^e	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	430	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 2019 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 ^e	Number of Results > MCL/RSL ^e
Nitrate/Nitrite	113	2	111	1.02 mg/L	6.39 mg/L	10 mg/L	0
Cadmium	101	96	0	0.32 µg/L	0.56 J µg/L	5 µg/L	0
Chromium	101	57	2	5.05 µg/L	26.3 µg/L	100 µg/L	0
Manganese	101	23	41	27.4 µg/L	458 µg/L	430 µg/L	1 ^f
Sodium	101	0	74	3,953 µg/L	14,500 µg/L	NA	NA
Gross Alpha	108	71	7	2.03 pCi/L	7.99 pCi/L	15 pCi/L	0
Nonvolatile Beta	108	49	16	3.6 pCi/L	21.1 pCi/L	50 pCi/L	0
Tritium	108	38	53	4.13 pCi/mL	47.1 pCi/mL	20 pCi/mL	2 ^f
Technetium-99	109	108	0	12 pCi/L	12 J 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 and unqualified; if no result > SQL then maximum result > MDL will be used

e. MCL = Maximum Contaminant Level or RSL = Regional Screening Level for drinking water

f. Manganese > MCL at one well (HAA 10D); Tritium > MCL at one wells (HAA 12C)

Table 3b. Summary of Historical Groundwater Monitoring Results for the H-Area Tank Farm (2003 – 2015)

Constituent	Number of Samples ^a	Number of Non-Detects	Number of Results > SQL ^b	Result Range ^c	Result Average ^d	MCL/RSL ^e	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	430	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

ATTACHMENT A

2019 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
<i>[null]</i>	Data not remarked. The detected analyte result is acceptable for use as reported.
<i>J</i>	The detected analyte was positively identified but the result is approximate.
<i>NJ</i>	The detected analyte was only tentatively identified, and the result is approximate.
<i>U</i>	The analyte was analyzed for, but not detected. The SQL is valid unless blank contamination is indicated.
<i>UJ</i>	The analyte was analyzed for, but not detected. The SQL is approximate and may be inaccurate or imprecise.
<i>R</i>	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 20	9/16/2019	ACTINIUM-228	24 ^b	11.8	pCi/L	U	U	19.9	57.1
FTF 20	3/12/2019	ACTINIUM-228	24 ^b	7.71	pCi/L	U	U	19.4	39.6
FTF012R	9/18/2019	ACTINIUM-228	24 ^b	6.44	pCi/L	U	U	34.1	67.9
FTF 20	9/16/2019	ACTINIUM-228	24 ^b	3.95	pCi/L	U	U	18.5	51.1
FTF 20	3/12/2019	ACTINIUM-228	24 ^b	1.93	pCi/L	U	U	18.4	43.8
FTF 28	2/5/2019	ACTINIUM-228	24 ^b	0.164	pCi/L	U	U	25	69
FTF 28	2/5/2019	ACTINIUM-228	24 ^b	-3.64	pCi/L	U	U	18.9	45.5
FTF 28	9/24/2019	ACTINIUM-228	24 ^b	-4.14	pCi/L	U	U	9.65	24.3
FTF 28	9/24/2019	ACTINIUM-228	24 ^b	-7.06	pCi/L	U	U	6.9	25.8
FTF012R	2/6/2019	ACTINIUM-228	24 ^b	-8.8	pCi/L	U	U	19.1	48.5
FTF012R	2/6/2019	ACTINIUM-228	24 ^b	-13.4	pCi/L	U	U	21.6	53.6
FTF012R	2/6/2019	AMERICIUM-241	15	0.0886	pCi/L	U	U	0.251	0.545
FTF 28	9/24/2019	AMERICIUM-241	15	0.0499	pCi/L	U	U	0.167	0.361
FTF012R	9/18/2019	AMERICIUM-241	15	0.0317	pCi/L	U	U	0.237	0.481
FTF 28	9/24/2019	AMERICIUM-241	15	0.0261	pCi/L	U	U	0.195	0.395
FTF012R	2/6/2019	AMERICIUM-241	15	0.00908	pCi/L	U	U	0.226	0.442
FTF012R	9/18/2019	AMERICIUM-241	15	0.0012	pCi/L	U	U	0.198	0.376
FTF 28	9/24/2019	AMERICIUM-241	15	-0.0271	pCi/L	U	U	0.194	0.348
FTF012R	9/18/2019	AMERICIUM-243	15	0.133	pCi/L	U	U	0.297	0.671
FTF 28	9/24/2019	AMERICIUM-243	15	0.046	pCi/L	U	U	0.154	0.333
FTF012R	2/6/2019	AMERICIUM-243	15	0.0371	pCi/L	U	U	0.144	0.308
FTF 28	9/24/2019	AMERICIUM-243	15	0.00696	pCi/L	U	U	0.171	0.337
FTF012R	2/6/2019	AMERICIUM-243	15	-0.0196	pCi/L	U	U	0.134	0.225
FTF 28	9/24/2019	AMERICIUM-243	15	-0.0438	pCi/L	U	U	0.148	0.245
FTF012R	9/18/2019	AMERICIUM-243	15	-0.0587	pCi/L	U	U	0.302	0.491
FTF 20	3/12/2019	BISMUTH-214	247	247	pCi/L	J	J	7.13	41.5
FTF 20	3/12/2019	BISMUTH-214	158	158	pCi/L	J	J	7.5	38.3
FTF012R	2/6/2019	BISMUTH-214	123	123	pCi/L			8	38.4
FTF012R	2/6/2019	BISMUTH-214	111	111	pCi/L			8.62	39.4
FTF 28	2/5/2019	BISMUTH-214	82.2	82.2	pCi/L			9.88	37.1
FTF 28	2/5/2019	BISMUTH-214	63.5	63.5	pCi/L			8.57	36.6
FTF012R	9/18/2019	BISMUTH-214	18.3	18.3	pCi/L	U	U	20.3	42.5
FTF 20	9/16/2019	BISMUTH-214	15.5	15.5	pCi/L	J	J	9.84	32.2
FTF 28	9/24/2019	BISMUTH-214	8.7	8.7	pCi/L	J	J	2.84	12.2
FTF 28	9/24/2019	BISMUTH-214	7.58	7.58	pCi/L	J	J	4.27	19
FTF 20	9/16/2019	BISMUTH-214	6.95	6.95	pCi/L	U	U	12.2	31.7
FTF 29	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 19	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 20	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 22	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 23	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	2/5/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030D	2/7/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF031	2/6/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030	2/7/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF012R	2/6/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 19	9/16/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 20	9/16/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 22	9/16/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 23	9/17/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 29	9/17/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTFO09R	9/16/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF012R	9/18/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030	9/17/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF031	9/17/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030D	9/17/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	9/24/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF 28	9/24/2019	CADMIUM	5	1	ug/L	U	U	0.3	1
FTF030	9/17/2019	CADMIUM	5	0.54	ug/L			0.2	0.5
FTF001C	2/6/2019	CADMIUM	5	0.539	ug/L	J	J	0.3	1
FTF001C	9/16/2019	CADMIUM	5	0.388	ug/L	J	J	0.1	1
FTF001C	9/16/2019	CADMIUM	5	0.352	ug/L	J	J	0.3	1
FTFO09R	2/6/2019	CADMIUM	5	0.329	ug/L	J	J	0.3	1
FTF 28	9/24/2019	CARBON-14	2000	22	pCi/L	U	U	37.6	82.6
FTF 28	9/24/2019	CARBON-14	2000	9.34	pCi/L	U	U	53.2	115
FTF 28	9/24/2019	CARBON-14	2000	8.19	pCi/L	U	U	53.9	117
FTF 28	2/5/2019	CARBON-14	2000	3.42	pCi/L	U	U	7.37	16.1
FTF012R	2/6/2019	CARBON-14	2000	2.36	pCi/L	U	U	7.35	16
FTF 28	2/5/2019	CARBON-14	2000	0.66	pCi/L	U	U	7.38	16
FTF 20	3/12/2019	CARBON-14	2000	0.61	pCi/L	U	U	7.36	15.9
FTF 28	2/5/2019	CARBON-14	2000	-2.19	pCi/L	U	U	7.38	15.8
FTF 20	3/12/2019	CARBON-14	2000	-4.55	pCi/L	U	U	7.37	15.7
FTF 20	9/16/2019	CARBON-14	2000	-31.4	pCi/L	U	U	86.6	183
FTF 20	9/16/2019	CARBON-14	2000	-49.8	pCi/L	U	U	85.9	180
FTF012R	9/18/2019	CARBON-14	2000	-61.1	pCi/L	U	U	86	179
FTF012R	9/18/2019	CESIUM-137	200	6.87	pCi/L	R	R	5.75	14.2
FTF 20	3/12/2019	CESIUM-137	200	3.75	pCi/L	R	R	3.01	8.89
FTF 20	9/16/2019	CESIUM-137	200	1.05	pCi/L	U	U	4.27	8.33
FTF 28	2/5/2019	CESIUM-137	200	0.682	pCi/L	U	U	4.45	9.31
FTF 28	2/5/2019	CESIUM-137	200	0.366	pCi/L	U	U	5.2	10.7
FTF 28	9/24/2019	CESIUM-137	200	0.143	pCi/L	U	U	2.29	4.79
FTF 20	9/16/2019	CESIUM-137	200	0.0322	pCi/L	U	U	3.83	8.15
FTF 28	9/24/2019	CESIUM-137	200	-0.175	pCi/L	U	U	1.4	2.98
FTF012R	2/6/2019	CESIUM-137	200	-1.37	pCi/L	U	U	4.22	9.26
FTF 20	3/12/2019	CESIUM-137	200	-2.28	pCi/L	U	U	3.59	8.03
FTF012R	2/6/2019	CESIUM-137	200	-2.53	pCi/L	U	U	6.05	15.1
FBG001C	9/16/2019	CHROMIUM	100	100	ug/L	U	U	10	100
FTF 29	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 19	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 20	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 22	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 23	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	2/5/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF009R	2/6/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF030	2/7/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 19	9/16/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 20	9/16/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 22	9/16/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 23	9/17/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 29	9/17/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF009R	9/16/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF030	9/17/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF031	9/17/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FBG001C	9/16/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	9/24/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF 28	9/24/2019	CHROMIUM	100	10	ug/L	U	U	3	10
FTF030D	2/7/2019	CHROMIUM	100	9.07	ug/L	J	J	3	10
FTF012R	2/6/2019	CHROMIUM	100	8.56	ug/L	J	J	3	10
FTF030D	9/17/2019	CHROMIUM	100	7.72	ug/L	J	J	3	10
FTF012R	9/18/2019	CHROMIUM	100	6.38	ug/L	J	J	3	10
FBG001C	2/6/2019	CHROMIUM	100	4.4	ug/L	J	J	4	10
FBG001C	2/6/2019	CHROMIUM	100	4.02	ug/L	J	J	3	10
FTF031	2/6/2019	CHROMIUM	100	3.02	ug/L	J	J	3	10
FTF 20	9/16/2019	COBALT-60	100	1.33	pCi/L	U	U	5.34	10
FTF 20	3/12/2019	COBALT-60	100	0.0895	pCi/L	U	U	3.91	7.83
FTF 20	3/12/2019	COBALT-60	100	0	pCi/L	U	U	3.8	7.76
FTF 28	2/5/2019	COBALT-60	100	-0.208	pCi/L	U	U	4.18	8.62
FTF012R	2/6/2019	COBALT-60	100	-0.565	pCi/L	U	U	4.23	8.97
FTF 20	9/16/2019	COBALT-60	100	-0.599	pCi/L	U	U	5.32	10.9
FTF 28	9/24/2019	COBALT-60	100	-0.674	pCi/L	U	U	1.55	4.15
FTF 28	2/5/2019	COBALT-60	100	-0.684	pCi/L	U	U	4.82	10.2
FTF 28	9/24/2019	COBALT-60	100	-0.946	pCi/L	U	U	2.43	6.07
FTF012R	9/18/2019	COBALT-60	100	-1.08	pCi/L	U	U	5.66	11.3
FTF012R	2/6/2019	COBALT-60	100	-1.17	pCi/L	U	U	3.51	7.53
FTF012R	2/6/2019	CURIUM-242	15	0.021	pCi/L	U	U	0.0631	0.181
FTF012R	2/6/2019	CURIUM-242	15	0	pCi/L	U	U	0.0566	0.133
FTF012R	9/18/2019	CURIUM-242	15	0	pCi/L	U	U	0.107	0.251
FTF012R	9/18/2019	CURIUM-242	15	0	pCi/L	U	U	0.136	0.318
FTF 28	9/24/2019	CURIUM-242	15	0	pCi/L	U	U	0.0583	0.137
FTF 28	9/24/2019	CURIUM-242	15	0	pCi/L	U	U	0.0521	0.122
FTF 28	9/24/2019	CURIUM-242	15	0	pCi/L	U	U	0.0468	0.11
FTF 28	9/24/2019	CURIUM-243/244	15	-0.00472	pCi/L	U	U	0.0944	0.176
FTF 28	9/24/2019	CURIUM-243/244	15	-0.0129	pCi/L	U	U	0.147	0.264
FTF012R	2/6/2019	CURIUM-243/244	15	-0.0159	pCi/L	U	U	0.135	0.231
FTF012R	2/6/2019	CURIUM-243/244	15	-0.0161	pCi/L	U	U	0.137	0.234
FTF 28	9/24/2019	CURIUM-243/244	15	-0.0229	pCi/L	U	U	0.157	0.263
FTF012R	9/18/2019	CURIUM-243/244	15	-0.0498	pCi/L	U	U	0.23	0.37
FTF012R	9/18/2019	CURIUM-243/244	15	-0.0627	pCi/L	U	U	0.243	0.386
FTF012R	2/6/2019	CURIUM-245/246	15	0.0779	pCi/L	U	U	0.0993	0.283
FTF 28	9/24/2019	CURIUM-245/246	15	0.00515	pCi/L	U	U	0.112	0.22
FTF012R	2/6/2019	CURIUM-245/246	15	0	pCi/L	U	U	0.071	0.166
FTF012R	9/18/2019	CURIUM-245/246	15	0	pCi/L	U	U	0.142	0.333
FTF 28	9/24/2019	CURIUM-245/246	15	-0.00396	pCi/L	U	U	0.0792	0.148
FTF 28	9/24/2019	CURIUM-245/246	15	-0.0148	pCi/L	U	U	0.126	0.215
FTF012R	9/18/2019	CURIUM-245/246	15	-0.0165	pCi/L	U	U	0.277	0.505
FTF 28	2/5/2019	GROSS ALPHA	15	28.5	pCi/L	J	1.98	13.3	
FTF 28	2/5/2019	GROSS ALPHA	15	13.2	pCi/L	J	1.67	8.77	
FTF030D	2/7/2019	GROSS ALPHA	15	5.97	pCi/L	J	2.3	7.5	
FTF 19	2/5/2019	GROSS ALPHA	15	5.16	pCi/L	J	2.96	7.9	
FTF 23	2/5/2019	GROSS ALPHA	15	4.57	pCi/L	J	2.3	6.6	
FTF030D	9/17/2019	GROSS ALPHA	15	4.31	pCi/L	J	0.919	2.85	
FTF 22	2/5/2019	GROSS ALPHA	15	3.72	pCi/L	J	2.32	6.5	
FTF 20	2/5/2019	GROSS ALPHA	15	2.78	pCi/L	U	2.97	6.85	
FTF 19	9/16/2019	GROSS ALPHA	15	2.68	pCi/L	J	0.96	2.86	
FTF 20	9/16/2019	GROSS ALPHA	15	2.67	pCi/L	J	0.956	2.89	
FTF 23	9/17/2019	GROSS ALPHA	15	2.37	pCi/L	J	0.955	2.71	
FBG001C	2/6/2019	GROSS ALPHA	15	2.14	pCi/L	U	2.38	5.76	
FTF 22	9/16/2019	GROSS ALPHA	15	2.11	pCi/L	J	0.96	2.73	
FBG001C	2/6/2019	GROSS ALPHA	15	2.073	pCi/L	J	1.2	3.084	
FTF012R	9/18/2019	GROSS ALPHA	15	2	pCi/L	J	0.958	2.94	
FBG001C	9/16/2019	GROSS ALPHA	15	2	pCi/L	J	0.818	2.32	
FTF 29	2/5/2019	GROSS ALPHA	15	1.93	pCi/L	J	1.04	2.83	
FBG001C	9/16/2019	GROSS ALPHA	15	1.72	pCi/L	U	2.28	5.93	
FTF009R	2/6/2019	GROSS ALPHA	15	1.54	pCi/L	U	2.33	5.27	
FTF 28	9/24/2019	GROSS ALPHA	15	1.42	pCi/L	J	0.845	2.17	
FTF031	2/6/2019	GROSS ALPHA	15	1.24	pCi/L	U	2.58	5.64	
FBG001C	2/6/2019	GROSS ALPHA	15	1.17	pCi/L	J	1.05	2.548	
FTF 29	9/17/2019	GROSS ALPHA	15	0.629	pCi/L	U	0.98	2.24	
FTF030	9/17/2019	GROSS ALPHA	15	0.614	pCi/L	J	0.571	1.43	
FTF 28	9/24/2019	GROSS ALPHA	15	0.575	pCi/L	U	0.645	1.58	
FTF031	9/17/2019	GROSS ALPHA	15	0.536	pCi/L	U	0.652	1.54	
FTF009R	2/6/2019	GROSS ALPHA	15	0.366	pCi/L	U	2.52	5.08	
FTF012R	2/6/2019	GROSS ALPHA	15	0.077	pCi/L	U	1.7	3.4	
FTF009R	9/16/2019	GROSS ALPHA	15	-0.00732	pCi/L	U	0.635	1.29	
FTF030	2/7/2019	GROSS ALPHA	15	-0.274	pCi/L	U	2.35	4.23	
FTF 28	2/5/2019	IODINE-129	1	1.5	pCi/L	J	1.31	4.08	
FTF 19	9/16/2019	IODINE-129	1	1.2	pCi/L	J	0.915	2.48	
FTF030	9/17/2019	IODINE-129	1	1.14	pCi/L	U	1.21	2.72	
FTF012R	9/18/2019	IODINE-129	1	1.01	pCi/L	J	0.9	2.07	
FTF012R	2/6/2019	IODINE-129	1	0.995	pCi/L	U	1.05	2.7	

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 23	2/5/2019	IODINE-129	1	0.955	pCi/L	U	U	1.21	3.85
FTF 22	9/16/2019	IODINE-129	1	0.93	pCi/L	U	U	1.04	3.06
FTF 23	9/17/2019	IODINE-129	1	0.873	pCi/L	U	U	1.07	3.03
FTF 20	2/5/2019	IODINE-129	1	0.799	pCi/L	U	U	1.2	3.88
FTF 19	2/5/2019	IODINE-129	1	0.747	pCi/L	U	U	0.915	2.07
FTF031	9/17/2019	IODINE-129	1	0.674	pCi/L	U	U	1.05	3.19
FTF030	2/7/2019	IODINE-129	1	0.599	pCi/L	U	UJ	1.05	2.41
FTF 29	2/5/2019	IODINE-129	1	0.522	pCi/L	U	U	1.13	2.59
FTF 28	2/5/2019	IODINE-129	1	0.466	pCi/L	U	U	1.29	4.3
FTF009R	2/6/2019	IODINE-129	1	0.414	pCi/L	U	UJ	1.05	2.24
FTF 28	9/24/2019	IODINE-129	1	0.285	pCi/L	U	U	1.11	2.38
FTF 29	9/17/2019	IODINE-129	1	0.266	pCi/L	U	U	1.07	2.31
FTF 28	9/24/2019	IODINE-129	1	0.172	pCi/L	U	U	1.11	2.41
FBG001C	2/6/2019	IODINE-129	1	0.164	pCi/L	U	UJ	1.07	2.36
FTF 28	9/24/2019	IODINE-129	1	0.121	pCi/L	U	U	1.1	2.38
FBG001C	9/16/2019	IODINE-129	1	0.0645	pCi/L	U	U	1.01	3.24
FBG001C	2/6/2019	IODINE-129	1	0.0483	pCi/L	U	U	0.626	1.358
FTF031	2/6/2019	IODINE-129	1	0.0127	pCi/L	U	UJ	1.07	2.32
FBG001C	2/6/2019	IODINE-129	1	0.006536	pCi/L	U	U	0.549	1.185
FTF 20	9/16/2019	IODINE-129	1	-0.0372	pCi/L	U	U	1.04	3.36
FTF009R	2/6/2019	IODINE-129	1	-0.0517	pCi/L	U	U	1.1	2.38
FTF030D	2/7/2019	IODINE-129	1	-0.098	pCi/L	U	UJ	0.956	2.07
FBG001C	9/16/2019	IODINE-129	1	-0.267	pCi/L	U	U	0.656	1.44
FTF009R	9/16/2019	IODINE-129	1	-0.402	pCi/L	U	U	1.03	3.47
FTF 22	2/5/2019	IODINE-129	1	-0.543	pCi/L	U	U	1.22	4.34
FTF031	9/17/2019	IODINE-129	1	-0.582	pCi/L	U	U	1.02	3.46
FTF030D	9/17/2019	IODINE-129	1	-1.04	pCi/L	U	U	1.05	3.68
FTF 28	2/5/2019	LEAD-212	1.8 ^b	14.6	pCi/L	J	J	7.6	25.4
FTF 20	3/12/2019	LEAD-212	1.8 ^b	12	pCi/L	J	J	7.24	22.3
FTF 28	2/5/2019	LEAD-212	1.8 ^b	9.29	pCi/L	R	R	6.13	20.4
FTF012R	2/6/2019	LEAD-212	1.8 ^b	8.58	pCi/L	R	R	6.36	22.5
FTF 20	3/12/2019	LEAD-212	1.8 ^b	7.85	pCi/L	R	R	7.5	23
FTF 28	9/24/2019	LEAD-212	1.8 ^b	6.57	pCi/L	J	J	4.15	16.8
FTF 28	9/24/2019	LEAD-212	1.8 ^b	4.71	pCi/L	J	J	2.38	8.46
FTF 20	9/16/2019	LEAD-212	1.8 ^b	4.14	pCi/L	U	U	9.51	24.9
FTF012R	9/18/2019	LEAD-212	1.8 ^b	3.59	pCi/L	U	U	13.6	39.4
FTF012R	2/6/2019	LEAD-212	1.8 ^b	1.81	pCi/L	U	U	6.31	21.7
FTF 20	9/16/2019	LEAD-212	1.8 ^b	0.216	pCi/L	U	U	9.89	20.7
FTF 20	3/12/2019	LEAD-214	130 ^b	228	pCi/L	J	J	9.1	41.9
FTF 20	3/12/2019	LEAD-214	130 ^b	181	pCi/L	J	J	30.7	64.7
FTF012R	2/6/2019	LEAD-214	130 ^b	145	pCi/L			8.37	34.6
FTF012R	2/6/2019	LEAD-214	130 ^b	104	pCi/L			9.88	38.3
FTF 28	2/5/2019	LEAD-214	130 ^b	89.2	pCi/L			9.72	38.9
FTF 28	2/5/2019	LEAD-214	130 ^b	78.5	pCi/L			8.88	34.7
FTF 20	9/16/2019	LEAD-214	130 ^b	17.4	pCi/L	J	J	15.9	37.5
FTF 28	9/24/2019	LEAD-214	130 ^b	13.7	pCi/L	J	J	6.4	19
FTF012R	9/18/2019	LEAD-214	130 ^b	9.9	pCi/L	U	U	20.1	41.5
FTF 20	9/16/2019	LEAD-214	130 ^b	6.38	pCi/L	U	U	12.6	25.9
FTF 28	9/24/2019	LEAD-214	130 ^b	6.01	pCi/L	J	J	4.73	13.1
FTF009R	9/16/2019	MANGANESE	430 ^b	219	ug/L			1	5
FTF009R	2/6/2019	MANGANESE	430 ^b	203	ug/L			1	5
FBG001C	9/16/2019	MANGANESE	430 ^b	122	ug/L			1	5
FTF030D	2/7/2019	MANGANESE	430 ^b	120	ug/L			1	5
FTF030D	9/17/2019	MANGANESE	430 ^b	109	ug/L			1	5
FBG001C	2/6/2019	MANGANESE	430 ^b	107	ug/L			1	5
FBG001C	2/6/2019	MANGANESE	430 ^b	100	ug/L			2	4
FBG001C	9/16/2019	MANGANESE	430 ^b	79.7	ug/L			1	10
FTF 20	2/5/2019	MANGANESE	430 ^b	63.9	ug/L			1	5
FTF 20	9/16/2019	MANGANESE	430 ^b	43.3	ug/L			1	5
FTF030	2/7/2019	MANGANESE	430 ^b	25.2	ug/L			1	5
FTF 22	9/16/2019	MANGANESE	430 ^b	24.9	ug/L			1	5
FTF 22	2/5/2019	MANGANESE	430 ^b	21.3	ug/L			1	5
FTF030	9/17/2019	MANGANESE	430 ^b	13.5	ug/L			1	5
FTF 19	9/16/2019	MANGANESE	430 ^b	12.6	ug/L			1	5
FTF031	2/6/2019	MANGANESE	430 ^b	12	ug/L			1	5
FTF 28	2/5/2019	MANGANESE	430 ^b	11.5	ug/L			1	5
FTF 28	2/5/2019	MANGANESE	430 ^b	11.4	ug/L			1	5
FTF 28	9/24/2019	MANGANESE	430 ^b	11.2	ug/L			1	5
FTF 19	2/5/2019	MANGANESE	430 ^b	11.1	ug/L			1	5
FTF 28	9/24/2019	MANGANESE	430 ^b	10.6	ug/L			1	5
FTF031	9/17/2019	MANGANESE	430 ^b	8.44	ug/L			1	5
FTF 23	2/5/2019	MANGANESE	430 ^b	7.96	ug/L			1	5
FTF 23	9/17/2019	MANGANESE	430 ^b	7.6	ug/L			1	5
FTF012R	9/18/2019	MANGANESE	430 ^b	6.28	ug/L			1	5
FTF012R	2/6/2019	MANGANESE	430 ^b	5.37	ug/L			1	5
FTF 29	2/5/2019	MANGANESE	430 ^b	5	ug/L	U	U	1	5
FTF 29	9/17/2019	MANGANESE	430 ^b	5	ug/L	U	U	1	5
FTF 28	9/24/2019	NEPTUNIUM-237	15	0.0913	pCi/L	U	U	0.777	1.57
FTF012R	2/6/2019	NEPTUNIUM-237	15	-0.0206	pCi/L	U	U	0.557	1.05
FTF 28	9/24/2019	NEPTUNIUM-237	15	-0.0239	pCi/L	U	U	0.815	1.5
FTF 28	9/24/2019	NEPTUNIUM-237	15	-0.107	pCi/L	U	U	0.654	1.07
FTF012R	2/6/2019	NEPTUNIUM-237	15	-0.152	pCi/L	U	U	0.642	1.12
FTF012R	9/18/2019	NEPTUNIUM-237	15	-0.156	pCi/L	U	U	0.851	1.46
FTF012R	9/18/2019	NEPTUNIUM-237	15	-0.211	pCi/L	U	U	0.676	1.12
FTF 28	9/18/2019	NICKEL-59	300	35.3	pCi/L	U	U	48.5	211
FTF 20	3/12/2019	NICKEL-59	300	11.2	pCi/L	U	U	19.1	40.3
FTF 20	3/12/2019	NICKEL-59	300	10.8	pCi/L	U	U	12.3	30.6
FTF 20	9/16/2019	NICKEL-59	300	6.54	pCi/L	U	U	102	214
FTF012R	2/6/2019	NICKEL-59	300	1.27	pCi/L	U	U	14.5	29.9
FTF 28	2/5/2019	NICKEL-59	300	-0.299	pCi/L	U	U	14.3	29.6
FTF 28	2/5/2019	NICKEL-59	300	-0.67	pCi/L	U	U	15.9	33.2

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 28	2/5/2019	NICKEL-59	300	-2.02	pCi/L	U	U	7.23	16
FTF 28	9/24/2019	NICKEL-59	300	-11.1	pCi/L	U	U	101	216
FTF 20	9/16/2019	NICKEL-59	300	-61.1	pCi/L	U	U	140	305
FTF 28	9/24/2019	NICKEL-59	300	-78.3	pCi/L	U	U	151	331
FTF 20	3/12/2019	NICKEL-63	50	3.98	pCi/L	U	U	6.84	15
FTF 20	3/12/2019	NICKEL-63	50	2.05	pCi/L	U	U	6.4	14
FTF012R	2/6/2019	NICKEL-63	50	-1.12	pCi/L	U	U	8.12	17.5
FTF 28	2/5/2019	NICKEL-63	50	-1.14	pCi/L	U	U	7.77	16.8
FTF012R	2/6/2019	NICKEL-63	50	-1.42	pCi/L	U	U	8.03	17.3
FTF 28	2/5/2019	NICKEL-63	50	-1.82	pCi/L	U	U	7.73	16.6
FTF 20	9/16/2019	NICKEL-63	50	-67.8	pCi/L	U	U	236	500
FTF012R	9/18/2019	NICKEL-63	50	-90.4	pCi/L	U	U	232	490
FTF 28	9/24/2019	NICKEL-63	50	-134	pCi/L	U	U	260	544
FTF 20	9/16/2019	NICKEL-63	50	-144	pCi/L	U	U	270	566
FTF 28	9/24/2019	NICKEL-63	50	-164	pCi/L	U	U	237	493
FBG001C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	7.07	mg/L			0.39	1
FBG001C	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	7	mg/L			0.44	1
FBG001C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	6.86	mg/L			0.17	0.5
FBG001C	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	6.68	mg/L			0.39	1
FBG001C	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	5.94	mg/L			0.44	1
FTF030D	2/7/2019	NITRATE-NITRITE AS NITROGEN	10	3.78	mg/L			0.078	0.2
FTF030D	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	3.19	mg/L			0.078	0.2
FTF 23	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	2.91	mg/L			0.078	0.2
FTF 23	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	2.91	mg/L			0.078	0.2
FTF 29	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	2.81	mg/L			0.078	0.2
FTF 29	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	2.78	mg/L			0.078	0.2
FTF 28	9/24/2019	NITRATE-NITRITE AS NITROGEN	10	2.43	mg/L			0.078	0.2
FTF012R	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	2.19	mg/L			0.078	0.2
FTF030	2/7/2019	NITRATE-NITRITE AS NITROGEN	10	2.19	mg/L			0.078	0.2
FTF031	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	2.15	mg/L			0.078	0.2
FTF 28	9/24/2019	NITRATE-NITRITE AS NITROGEN	10	2.12	mg/L			0.078	0.2
FTF 28	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	2.1	mg/L			0.078	0.2
FTF031	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	2.1	mg/L			0.078	0.2
FTF 28	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	2.09	mg/L			0.078	0.2
FTF012R	9/18/2019	NITRATE-NITRITE AS NITROGEN	10	2.08	mg/L			0.078	0.2
FTF009R	2/6/2019	NITRATE-NITRITE AS NITROGEN	10	2.05	mg/L			0.078	0.2
FTF009R	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	1.94	mg/L			0.078	0.2
FTF030	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	1.87	mg/L			0.078	0.2
FTF 19	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	1.86	mg/L			0.078	0.2
FTF 20	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	1.85	mg/L			0.078	0.2
FTF 20	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	1.8	mg/L			0.078	0.2
FTF 19	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	1.77	mg/L			0.078	0.2
FTF 22	2/5/2019	NITRATE-NITRITE AS NITROGEN	10	1.63	mg/L			0.078	0.2
FTF 22	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	1.59	mg/L			0.078	0.2
FTF 28	2/5/2019	NONVOLATILE BETA	50	746	pCi/L			2.17	36.4
FTF 28	9/24/2019	NONVOLATILE BETA	50	641	pCi/L			0.966	15.8
FTF 28	2/5/2019	NONVOLATILE BETA	50	627	pCi/L			2.07	33.5
FTF 28	9/24/2019	NONVOLATILE BETA	50	590	pCi/L			0.966	15.1
FTF012R	9/18/2019	NONVOLATILE BETA	50	207	pCi/L			0.878	11.3
FTF 20	2/5/2019	NONVOLATILE BETA	50	108	pCi/L			2.02	9.8
FTF 29	2/5/2019	NONVOLATILE BETA	50	26.3	pCi/L			2.27	6.73
FTF 19	9/16/2019	NONVOLATILE BETA	50	21.3	pCi/L			0.905	4.01
FTF012R	2/6/2019	NONVOLATILE BETA	50	13.7	pCi/L			1.92	5.4
FTF 29	9/17/2019	NONVOLATILE BETA	50	7.22	pCi/L			0.675	2.34
FBG001C	2/6/2019	NONVOLATILE BETA	50	4.98	pCi/L	J	J	3.36	7.94
FBG001C	9/16/2019	NONVOLATILE BETA	50	4.19	pCi/L			0.973	2.56
FBG001C	2/6/2019	NONVOLATILE BETA	50	4.024	pCi/L			1.09	2.896
FTF030D	9/17/2019	NONVOLATILE BETA	50	3.87	pCi/L			0.982	2.53
FTF030	2/7/2019	NONVOLATILE BETA	50	3.46	pCi/L	J	J	3.3	7.54
FTF030D	2/7/2019	NONVOLATILE BETA	50	3.18	pCi/L	U	U	3.45	7.85
FTF 19	2/5/2019	NONVOLATILE BETA	50	3	pCi/L	J	J	2.91	6.69
FTF 22	2/5/2019	NONVOLATILE BETA	50	2.89	pCi/L	U	U	3.38	7.62
FBG001C	2/6/2019	NONVOLATILE BETA	50	2.8	pCi/L			0.988	2.544
FTF030	9/17/2019	NONVOLATILE BETA	50	2.8	pCi/L			0.968	2.43
FTF 22	9/16/2019	NONVOLATILE BETA	50	2.71	pCi/L			0.961	2.43
FTF009R	2/6/2019	NONVOLATILE BETA	50	1.79	pCi/L	U	U	3.02	6.66
FTF 20	9/16/2019	NONVOLATILE BETA	50	1.61	pCi/L	J	J	0.847	2.06
FTF009R	9/16/2019	NONVOLATILE BETA	50	1.56	pCi/L	J	J	0.98	2.24
FTF 23	9/17/2019	NONVOLATILE BETA	50	1.41	pCi/L	J	J	0.815	1.99
FTF031	2/6/2019	NONVOLATILE BETA	50	1.33	pCi/L	U	U	3.16	6.86
FTF031	9/17/2019	NONVOLATILE BETA	50	0.491	pCi/L	U	U	0.994	2.18
FTF009R	2/6/2019	NONVOLATILE BETA	50	0.256	pCi/L	U	U	3.03	6.33
FBG001C	9/16/2019	NONVOLATILE BETA	50	-0.155	pCi/L	U	U	4.2	9.71
FTF 23	2/5/2019	NONVOLATILE BETA	50	-0.627	pCi/L	U	U	3.24	6.6
FTF 29	9/17/2019	PH	NA	7.2	pH				
FTF 29	2/5/2019	PH	NA	6.9	pH				
FTF012R	9/18/2019	PH	NA	6.6	pH				
FTF012R	2/6/2019	PH	NA	6.5	pH				
FTF 19	2/5/2019	PH	NA	6.1	pH				
FTF 22	2/5/2019	PH	NA	5.4	pH				
FTF030	2/7/2019	PH	NA	5.4	pH				
FTF030	9/17/2019	PH	NA	5.4	pH				
FBG001C	9/16/2019	PH	NA	5.1	pH				
FTF 19	9/16/2019	PH	NA	5.1	pH				
FTF 20	2/5/2019	PH	NA	5.1	pH				
FTF 28	2/5/2019	PH	NA	5.1	pH				
FTF 22	9/16/2019	PH	NA	5	pH				
FTF 23	2/5/2019	PH	NA	5	pH				
FTF 28	9/24/2019	PH	NA	5	pH				
FTF009R	2/6/2019	PH	NA	5	pH				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FBG001C	2/6/2019	PH	NA	4.9	pH				
FTF009R	9/16/2019	PH	NA	4.9	pH				
FTF031	2/6/2019	PH	NA	4.9	pH				
FTF031	9/17/2019	PH	NA	4.9	pH				
FTF030D	2/7/2019	PH	NA	4.8	pH				
FTF 20	9/16/2019	PH	NA	4.7	pH				
FTF 23	9/17/2019	PH	NA	4.7	pH				
FTF030D	9/17/2019	PH	NA	4.3	pH				
FBG001D	2/6/2019	PH	NA	pH					
FBG001D	9/16/2019	PH	NA	pH					
FTF012R	2/6/2019	PLUTONIUM-238	15	0.19	pCi/L	J	J	0.171	0.479
FTF 28	9/24/2019	PLUTONIUM-238	15	0.104	pCi/L	U	U	0.213	0.489
FTF012R	2/6/2019	PLUTONIUM-238	15	0.0989	pCi/L	U	U	0.0997	0.302
FTF012R	9/18/2019	PLUTONIUM-238	15	0.0703	pCi/L	U	U	0.231	0.495
FTF012R	9/18/2019	PLUTONIUM-238	15	0.0662	pCi/L	U	U	0.167	0.371
FTF 28	9/24/2019	PLUTONIUM-238	15	0.0457	pCi/L	U	U	0.218	0.47
FTF 28	9/24/2019	PLUTONIUM-238	15	0.00342	pCi/L	U	U	0.263	0.507
FTF012R	2/6/2019	PLUTONIUM-239/240	15	0.0682	pCi/L	U	U	0.127	0.313
FTF 28	9/24/2019	PLUTONIUM-239/240	15	0.0657	pCi/L	U	U	0.299	0.629
FTF012R	9/18/2019	PLUTONIUM-239/240	15	0.016	pCi/L	U	U	0.185	0.373
FTF012R	2/6/2019	PLUTONIUM-239/240	15	-0.0273	pCi/L	U	U	0.231	0.418
FTF012R	9/18/2019	PLUTONIUM-239/240	15	-0.0369	pCi/L	U	U	0.245	0.465
FTF 28	9/24/2019	PLUTONIUM-239/240	15	-0.0535	pCi/L	U	U	0.262	0.447
FTF 28	9/24/2019	PLUTONIUM-239/240	15	-0.0619	pCi/L	U	U	0.237	0.397
FTF012R	9/18/2019	PLUTONIUM-242	15	-0.000666	pCi/L	U	U	0.185	0.361
FTF 28	9/24/2019	PLUTONIUM-242	15	-0.0193	pCi/L	U	U	0.22	0.395
FTF012R	2/6/2019	PLUTONIUM-242	15	-0.0199	pCi/L	U	U	0.137	0.229
FTF 28	9/24/2019	PLUTONIUM-242	15	-0.02	pCi/L	U	U	0.242	0.45
FTF012R	2/6/2019	PLUTONIUM-242	15	-0.0234	pCi/L	U	U	0.161	0.269
FTF 28	9/24/2019	PLUTONIUM-242	15	-0.0771	pCi/L	U	U	0.299	0.475
FTF012R	9/18/2019	PLUTONIUM-242	15	-0.0818	pCi/L	U	U	0.276	0.508
FTF 28	2/5/2019	POTASSIUM-40	0.83"	27.7	pCi/L	U	U	47.5	151
FTF 28	9/24/2019	POTASSIUM-40	0.83"	23.4	pCi/L	U	U	25.7	92.5
FTF 20	3/12/2019	POTASSIUM-40	0.83"	0.31	pCi/L	U	U	46.2	141
FTF012R	9/18/2019	POTASSIUM-40	0.83"	-2.94	pCi/L	U	U	125	243
FTF 20	3/12/2019	POTASSIUM-40	0.83"	-6.02	pCi/L	U	U	54.3	113
FTF 20	9/16/2019	POTASSIUM-40	0.83"	-7.13	pCi/L	U	U	65.4	132
FTF012R	2/6/2019	POTASSIUM-40	0.83"	-7.96	pCi/L	U	U	71.7	158
FTF 28	9/24/2019	POTASSIUM-40	0.83"	-13.7	pCi/L	U	U	22.4	55.2
FTF 20	9/16/2019	POTASSIUM-40	0.83"	-20.7	pCi/L	U	U	55.2	112
FTF 28	2/5/2019	POTASSIUM-40	0.83"	-64.8	pCi/L	U	U	68.6	160
FTF012R	2/6/2019	POTASSIUM-40	0.83"	-67.3	pCi/L	U	U	58.9	145
FTF 20	9/16/2019	PROMETHIUM-147	600	12.2	pCi/L	U	U	47.5	103
FTF012R	9/18/2019	PROMETHIUM-147	600	10.7	pCi/L	U	U	49.1	106
FTF012R	2/6/2019	PROMETHIUM-147	600	5.36	pCi/L	U	U	7.36	16.2
FTF 28	9/24/2019	PROMETHIUM-147	600	3.77	pCi/L	U	U	49.1	106
FTF012R	2/6/2019	PROMETHIUM-147	600	3.72	pCi/L	U	U	7.93	17.4
FTF 28	2/5/2019	PROMETHIUM-147	600	1.16	pCi/L	U	U	7.3	15.9
FTF 28	2/5/2019	PROMETHIUM-147	600	0.547	pCi/L	U	U	7.49	16.3
FTF 20	3/12/2019	PROMETHIUM-147	600	-1.44	pCi/L	U	U	7.78	16.8
FTF 20	3/12/2019	PROMETHIUM-147	600	-2.05	pCi/L	U	U	5.21	11.2
FTF 20	9/16/2019	PROMETHIUM-147	600	-3.29	pCi/L	U	U	49.2	105
FTF 28	9/24/2019	PROMETHIUM-147	600	-12.6	pCi/L	U	U	50.4	107
FTF 20	9/16/2019	RADIUM-226	5	5.01	pCi/L			0.215	1.54
FTF 20	9/16/2019	RADIUM-226	5	4.91	pCi/L			0.27	1.65
FTF 20	3/12/2019	RADIUM-226	5	3.55	pCi/L			0.179	1.2
FTF 28	2/5/2019	RADIUM-226	5	1.22	pCi/L	J	J	0.859	2.16
FTF012R	9/18/2019	RADIUM-226	5	0.946	pCi/L	J	J	0.309	0.955
FTF 28	2/5/2019	RADIUM-226	5	0.873	pCi/L	J	J	0.42	1.22
FTF012R	2/6/2019	RADIUM-226	5	0.748	pCi/L	J	J	0.435	1.21
FTF 28	9/24/2019	RADIUM-226	5	0.527	pCi/L	J	J	0.405	1.04
FTF 28	9/24/2019	RADIUM-226	5	0.415	pCi/L	J	J	0.397	0.953
FTF 28	2/5/2019	RADIUM-226	5	0.127	pCi/L	U	U	0.686	1.41
FTF 20	3/12/2019	RADIUM-228	5	0.651	pCi/L	J	J	0.558	1.29
FTF 20	9/16/2019	RADIUM-228	5	0.509	pCi/L	U	U	0.81	1.8
FTF 28	2/5/2019	RADIUM-228	5	0.498	pCi/L	U	U	0.508	1.16
FTF 20	9/16/2019	RADIUM-228	5	0.478	pCi/L	U	U	0.589	1.34
FTF012R	2/6/2019	RADIUM-228	5	0.254	pCi/L	U	U	0.435	0.959
FTF 28	9/24/2019	RADIUM-228	5	0.194	pCi/L	U	U	0.487	1.05
FTF012R	9/18/2019	RADIUM-228	5	0.127	pCi/L	U	U	0.809	1.72
FTF 28	9/24/2019	RADIUM-228	5	0.112	pCi/L	U	U	0.421	0.893
FTF 28	2/5/2019	RADIUM-228	5	0.0948	pCi/L	U	U	0.618	1.31
FTF 28	9/24/2019	RADIUM-228	5	0.0903	pCi/L	U	U	0.46	0.966
FTF 19	2/5/2019	SODIUM	NA	19000	ug/L		J	80	250
FTF 20	9/16/2019	SODIUM	NA	18000	ug/L			80	250
FTF 20	2/5/2019	SODIUM	NA	16400	ug/L		J	80	250
FTF 22	2/5/2019	SODIUM	NA	15600	ug/L		J	80	250
FTF 22	9/16/2019	SODIUM	NA	15100	ug/L			80	250
FTF 23	2/5/2019	SODIUM	NA	9170	ug/L		J	80	250
FTF 23	9/17/2019	SODIUM	NA	8490	ug/L			80	250
FBG001C	2/6/2019	SODIUM	NA	6650	ug/L		J	80	250
FTF012R	2/6/2019	SODIUM	NA	6520	ug/L		J	80	250
FBG001C	9/16/2019	SODIUM	NA	6470	ug/L			80	250
FTF 19	9/16/2019	SODIUM	NA	6460	ug/L			80	250
FTF030	2/7/2019	SODIUM	NA	6070	ug/L		J	80	250
FBG001C	9/16/2019	SODIUM	NA	6030	ug/L			200	2000
FBG001C	2/6/2019	SODIUM	NA	5700	ug/L			45	100
FTF030D	2/7/2019	SODIUM	NA	5680	ug/L		J	80	250
FTF012R	9/18/2019	SODIUM	NA	5560	ug/L			80	250
FTF030	9/17/2019	SODIUM	NA	5470	ug/L			80	250
FTF030D	9/17/2019	SODIUM	NA	4980	ug/L			80	250

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 29	2/5/2019	SODIUM	NA	4520	ug/L	J		80	250
FTF031	2/6/2019	SODIUM	NA	4380	ug/L	J		80	250
FTF031	9/17/2019	SODIUM	NA	4000	ug/L			80	250
FTF 29	9/17/2019	SODIUM	NA	3960	ug/L			80	250
FTF009R	9/16/2019	SODIUM	NA	3540	ug/L			80	250
FTF009R	2/6/2019	SODIUM	NA	3430	ug/L	J		80	250
FTF 28	2/5/2019	SODIUM	NA	3190	ug/L	J		80	250
FTF 28	2/5/2019	SODIUM	NA	3110	ug/L	J		80	250
FTF 28	9/24/2019	SODIUM	NA	2660	ug/L			80	250
FTF 28	9/24/2019	SODIUM	NA	2640	ug/L			80	250
FTF 29	2/5/2019	SPECIFIC CONDUCTANCE	NA	279	uS/cm				
FTF 29	9/17/2019	SPECIFIC CONDUCTANCE	NA	277	uS/cm				
FTF 20	3/12/2019	SPECIFIC CONDUCTANCE	NA	149	uS/cm				
FTF 20	9/16/2019	SPECIFIC CONDUCTANCE	NA	143	uS/cm				
FTF 20	2/5/2019	SPECIFIC CONDUCTANCE	NA	141	uS/cm				
FTF 19	2/5/2019	SPECIFIC CONDUCTANCE	NA	135	uS/cm				
FTF012R	2/6/2019	SPECIFIC CONDUCTANCE	NA	132	uS/cm				
FTF012R	9/18/2019	SPECIFIC CONDUCTANCE	NA	131	uS/cm				
FTF 22	9/16/2019	SPECIFIC CONDUCTANCE	NA	128	uS/cm				
FTF 22	2/5/2019	SPECIFIC CONDUCTANCE	NA	121	uS/cm				
FTF 19	9/16/2019	SPECIFIC CONDUCTANCE	NA	97	uS/cm				
FBG001C	2/6/2019	SPECIFIC CONDUCTANCE	NA	91	uS/cm				
FBG001C	9/16/2019	SPECIFIC CONDUCTANCE	NA	91	uS/cm				
FTF030D	2/7/2019	SPECIFIC CONDUCTANCE	NA	68	uS/cm				
FTF 23	9/17/2019	SPECIFIC CONDUCTANCE	NA	65	uS/cm				
FTF 23	2/5/2019	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
FTF030D	9/17/2019	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
FTF030	9/17/2019	SPECIFIC CONDUCTANCE	NA	61	uS/cm				
FTF030	2/7/2019	SPECIFIC CONDUCTANCE	NA	57	uS/cm				
FTF031	2/6/2019	SPECIFIC CONDUCTANCE	NA	44	uS/cm				
FTF031	9/17/2019	SPECIFIC CONDUCTANCE	NA	44	uS/cm				
FTF 28	2/5/2019	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
FTF 28	9/24/2019	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
FTF009R	2/6/2019	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
FTF009R	9/16/2019	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
FBG001D	2/6/2019	SPECIFIC CONDUCTANCE	NA	uS/cm					
FBG001D	9/16/2019	SPECIFIC CONDUCTANCE	NA	uS/cm					
FTF012R	9/18/2019	STRONTIUM-90	8	4.16	pCi/L	U	U	6.15	13.7
FTF012R	2/6/2019	STRONTIUM-90	8	2.88	pCi/L	U	U	5.2	11.4
FTF 20	3/12/2019	STRONTIUM-90	8	2.36	pCi/L	U	U	6.24	13.5
FTF 20	9/16/2019	STRONTIUM-90	8	1.34	pCi/L	U	U	6.41	13.6
FTF 28	9/24/2019	STRONTIUM-90	8	1.27	pCi/L	U	U	3.51	7.57
FTF 28	2/5/2019	STRONTIUM-90	8	0.676	pCi/L	U	U	5.09	10.6
FTF012R	2/6/2019	STRONTIUM-90	8	0.202	pCi/L	U	U	4.95	10.2
FTF 20	3/12/2019	STRONTIUM-90	8	0.0245	pCi/L	U	U	6.36	13.2
FTF 28	9/24/2019	STRONTIUM-90	8	-0.261	pCi/L	U	U	3.19	6.41
FTF 28	2/5/2019	STRONTIUM-90	8	-0.753	pCi/L	U	U	4.54	9
FTF 20	9/16/2019	STRONTIUM-90	8	-1.54	pCi/L	U	U	5.32	10.6
FTF 28	9/24/2019	TECHNETIUM-99	900	1640	pCi/L			20.5	94.5
FTF 28	9/24/2019	TECHNETIUM-99	900	1630	pCi/L			20.2	93.4
FTF 28	9/24/2019	TECHNETIUM-99	900	1540	pCi/L			20.7	93.1
FTF 28	2/5/2019	TECHNETIUM-99	900	1310	pCi/L			12.1	66.5
FTF 28	2/5/2019	TECHNETIUM-99	900	1260	pCi/L			12.3	65.1
FTF012R	9/18/2019	TECHNETIUM-99	900	369	pCi/L			17.2	69.4
FTF012R	2/6/2019	TECHNETIUM-99	900	166	pCi/L			9.47	25.8
FBG001C	2/6/2019	TECHNETIUM-99	900	4.49	pCi/L	U	U	8.42	18.4
FBG001C	9/16/2019	TECHNETIUM-99	900	3.54	pCi/L	U	U	4.74	10.6
FBG001C	2/6/2019	TECHNETIUM-99	900	2.71	pCi/L	J	J	1.81	4.13
FTF 20	3/12/2019	TECHNETIUM-99	900	2.31	pCi/L	U	U	8.89	19.4
FBG001C	2/6/2019	TECHNETIUM-99	900	1.998	pCi/L	J	J	1.72	3.88
FBG001C	9/16/2019	TECHNETIUM-99	900	0.432	pCi/L	U	U	17.7	37.3
FTF030	9/17/2019	TECHNETIUM-99	900	0.298	pCi/L	U	U	16.7	35.1
FTF030	2/7/2019	TECHNETIUM-99	900	0.0674	pCi/L	U	U	8.93	19.4
FTF 20	3/12/2019	TECHNETIUM-99	900	-0.0902	pCi/L	U	U	8.53	18.5
FTF 20	9/16/2019	TECHNETIUM-99	900	-4	pCi/L	U	U	18.2	37.6
FTF 28	2/5/2019	THALLIUM-208		3.19	pCi/L	U	U	4.05	12.6
FTF 20	3/12/2019	THALLIUM-208		2.06	pCi/L	U	U	3.85	16.8
FTF 28	9/24/2019	THALLIUM-208		1.72	pCi/L	U	U	2.29	8.87
FTF 20	3/12/2019	THALLIUM-208		1.31	pCi/L	U	U	4.65	9.91
FTF 28	9/24/2019	THALLIUM-208		0.796	pCi/L	U	U	1.4	5.72
FTF012R	2/6/2019	THALLIUM-208		0.446	pCi/L	U	U	5.58	13.1
FTF012R	9/18/2019	THALLIUM-208		0.356	pCi/L	U	U	8.76	18.1
FTF 20	9/16/2019	THALLIUM-208		-0.964	pCi/L	U	U	5.34	11.2
FTF012R	2/6/2019	THALLIUM-208		-1.19	pCi/L	U	U	5.25	14
FTF 20	9/16/2019	THALLIUM-208		-1.63	pCi/L	U	U	5.38	11.6
FTF 28	2/5/2019	THALLIUM-208		-2.43	pCi/L	U	U	6.25	14.3
FTF 28	9/24/2019	THORIUM-228	15	0.098	pCi/L	U	U	0.29	0.646
FTF012R	2/6/2019	THORIUM-228	15	0.079	pCi/L	U	U	0.496	1.02
FTF012R	9/18/2019	THORIUM-228	15	0.0607	pCi/L	U	U	0.299	0.629
FTF012R	9/18/2019	THORIUM-228	15	0.0497	pCi/L	U	U	0.388	0.788
FTF 28	9/24/2019	THORIUM-228	15	0.0407	pCi/L	U	U	0.426	0.85
FTF 28	9/24/2019	THORIUM-228	15	-0.0338	pCi/L	U	U	0.283	0.499
FTF012R	2/6/2019	THORIUM-228	15	-0.0806	pCi/L	U	U	0.554	0.966
FTF 28	9/24/2019	THORIUM-230	15	0.858	pCi/L	U	U	0.372	1.25
FTF 28	9/24/2019	THORIUM-230	15	0.522	pCi/L	U	U	0.315	0.937
FTF 28	9/24/2019	THORIUM-230	15	0.28	pCi/L	U	U	0.298	0.768
FTF012R	2/6/2019	THORIUM-230	15	0.184	pCi/L	U	U	0.34	0.784
FTF012R	2/6/2019	THORIUM-230	15	0.0184	pCi/L	U	U	0.61	1.19
FTF012R	2/6/2019	THORIUM-230	15	0.00525	pCi/L	U	U	0.577	1.11
FTF012R	9/18/2019	THORIUM-230	15	-0.0505	pCi/L	U	U	0.365	0.651
FTF012R	2/6/2019	THORIUM-232	15	0.254	pCi/L	U	U	0.441	1.08

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF012R	2/6/2019	THORIUM-232	15	0.0242	pCi/L	U	U	0.365	0.729
FTF 28	9/24/2019	THORIUM-232	15	0.00968	pCi/L	U	U	0.31	0.6
FTF012R	9/18/2019	THORIUM-232	15	-0.00264	pCi/L	U	U	0.264	0.496
FTF 28	9/24/2019	THORIUM-232	15	-0.0205	pCi/L	U	U	0.197	0.341
FTF 28	9/24/2019	THORIUM-232	15	-0.0408	pCi/L	U	U	0.258	0.428
FTF012R	9/18/2019	THORIUM-232	15	-0.0543	pCi/L	U	U	0.263	0.425
FTF 29	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	92	mg/L				
FTF 29	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	44	mg/L				
FTF012R	9/18/2019	TOTAL ALKALINITY (AS CACO3)	NA	38	mg/L				
FTF 19	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	37	mg/L				
FTF012R	2/6/2019	TOTAL ALKALINITY (AS CACO3)	NA	35	mg/L				
FTF 19	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	19	mg/L				
FTF 22	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	13	mg/L				
FTF030	2/7/2019	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
FTF030	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
FTF 20	3/12/2019	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
FTF 23	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
FTF 20	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L				
FTF009R	2/6/2019	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L				
FTF031	2/6/2019	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L				
FBG001C	2/6/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FBG001C	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 20	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 22	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 23	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	2/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF 28	9/24/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF009R	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	2/7/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF030D	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FTF031	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
FBG001D	2/6/2019	TOTAL ALKALINITY (AS CACO3)	NA	mg/L					
FBG001D	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	mg/L					
FTF 19	2/5/2019	TRITIUM	20	3.14	pCi/mL			0.396	1.18
FTF012R	2/6/2019	TRITIUM	20	3.01	pCi/mL			0.392	1.16
FTF 29	2/5/2019	TRITIUM	20	2.38	pCi/mL			0.388	1.09
FTF012R	9/18/2019	TRITIUM	20	2.34	pCi/mL			0.426	1.17
FTF 19	9/16/2019	TRITIUM	20	2.3	pCi/mL			0.395	1.1
FTF 28	2/5/2019	TRITIUM	20	2.17	pCi/mL			0.393	1.09
FTF 28	2/5/2019	TRITIUM	20	2.16	pCi/mL			0.392	1.08
FTF 28	9/24/2019	TRITIUM	20	2.15	pCi/mL			0.432	1.16
FTF030D	2/7/2019	TRITIUM	20	2.08	pCi/mL			0.39	1.07
FTF 29	9/17/2019	TRITIUM	20	2.04	pCi/mL			0.391	1.07
FTF 28	9/24/2019	TRITIUM	20	1.9	pCi/mL			0.44	1.16
FBG001C	2/6/2019	TRITIUM	20	1.81	pCi/mL			0.39	1.05
FBG001C	2/6/2019	TRITIUM	20	1.79	pCi/mL			0.258	0.816
FTF030D	9/17/2019	TRITIUM	20	1.51	pCi/mL			0.456	1.16
FBG001C	9/16/2019	TRITIUM	20	1.45	pCi/mL	J	J	0.601	1.5
FBG001C	9/16/2019	TRITIUM	20	1.34	pCi/mL			0.402	1.02
FTF 20	2/5/2019	TRITIUM	20	1.28	pCi/mL			0.393	1
FTF 20	9/16/2019	TRITIUM	20	1.1	pCi/mL			0.392	0.978
FTF 23	2/5/2019	TRITIUM	20	1.08	pCi/mL			0.393	0.978
FTF009R	2/6/2019	TRITIUM	20	0.95	pCi/mL	J	J	0.39	0.957
FTF 23	9/17/2019	TRITIUM	20	0.94	pCi/mL	J	J	0.395	0.966
FTF009R	9/16/2019	TRITIUM	20	0.914	pCi/mL	J	J	0.406	0.988
FTF 22	2/5/2019	TRITIUM	20	0.867	pCi/mL	J	J	0.395	0.958
FTF030	2/7/2019	TRITIUM	20	0.803	pCi/mL	J	J	0.39	0.941
FTF031	2/6/2019	TRITIUM	20	0.795	pCi/mL	J	J	0.39	0.939
FTF030	9/17/2019	TRITIUM	20	0.68	pCi/mL	J	J	0.39	0.926
FTF 22	9/16/2019	TRITIUM	20	0.666	pCi/mL	J	J	0.396	0.937
FTF031	9/17/2019	TRITIUM	20	0.598	pCi/mL	J	J	0.39	0.915
FTF030D	2/7/2019	TURBIDITY	NA	34.9	NTU				
FTF030D	9/17/2019	TURBIDITY	NA	25	NTU				
FBG001C	2/6/2019	TURBIDITY	NA	8.8	NTU				
FTF012R	9/18/2019	TURBIDITY	NA	8.6	NTU				
FTF012R	2/6/2019	TURBIDITY	NA	8.3	NTU				
FBG001C	9/16/2019	TURBIDITY	NA	7.9	NTU				
FTF031	9/17/2019	TURBIDITY	NA	3.7	NTU				
FTF031	2/6/2019	TURBIDITY	NA	3.1	NTU				
FTF 29	2/5/2019	TURBIDITY	NA	2.6	NTU				
FTF 29	9/17/2019	TURBIDITY	NA	2.4	NTU				
FTF030	2/7/2019	TURBIDITY	NA	1.8	NTU				
FTF030	9/17/2019	TURBIDITY	NA	1.4	NTU				
FTF 22	2/5/2019	TURBIDITY	NA	0.8	NTU				
FTF 22	9/16/2019	TURBIDITY	NA	0.7	NTU				
FTF 28	9/24/2019	TURBIDITY	NA	0.7	NTU				
FTF009R	9/16/2019	TURBIDITY	NA	0.7	NTU				
FTF 20	3/12/2019	TURBIDITY	NA	0.6	NTU				
FTF009R	2/6/2019	TURBIDITY	NA	0.6	NTU				
FTF 19	9/16/2019	TURBIDITY	NA	0.5	NTU				
FTF 20	9/16/2019	TURBIDITY	NA	0.4	NTU				
FTF 19	2/5/2019	TURBIDITY	NA	0.3	NTU				
FTF 23	9/17/2019	TURBIDITY	NA	0.3	NTU				
FTF 20	2/5/2019	TURBIDITY	NA	0.2	NTU				
FTF 23	2/5/2019	TURBIDITY	NA	0.2	NTU				
FTF 28	2/5/2019	TURBIDITY	NA	0.1	NTU				
FBG001D	2/6/2019	TURBIDITY	NA	NTU					
FBG001D	9/16/2019	TURBIDITY	NA	NTU					
FTF012R	9/18/2019	URANIUM-233/234	10	0.215	pCi/L	U	U	0.44	1.02
FTF012R	2/6/2019	URANIUM-233/234	10	0.109	pCi/L	U	U	0.129	0.335
FTF012R	2/6/2019	URANIUM-233/234	10	0.105	pCi/L	U	U	0.185	0.429

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
FTF 28	9/24/2019	URANIUM-233/234	10	0.0398	pCi/L	U	U	0.116	0.26
FTF012R	9/18/2019	URANIUM-233/234	10	0.00118	pCi/L	U	U	0.271	0.513
FTF 28	9/24/2019	URANIUM-233/234	10	0.000586	pCi/L	U	U	0.146	0.277
FTF 28	9/24/2019	URANIUM-233/234	10	-0.0159	pCi/L	U	U	0.187	0.335
FTF012R	2/6/2019	URANIUM-235	0.5	0.144	pCi/L	U	U	0.102	0.34
FTF012R	9/18/2019	URANIUM-235	0.5	0.07	pCi/L	U	U	0.443	0.921
FTF012R	2/6/2019	URANIUM-235	0.5	0.0603	pCi/L	U	U	0.174	0.388
FTF 28	9/24/2019	URANIUM-235	0.5	0.0148	pCi/L	U	U	0.158	0.323
FTF 28	9/24/2019	URANIUM-235	0.5	0.00123	pCi/L	U	U	0.203	0.386
FTF 28	9/24/2019	URANIUM-235	0.5	-0.00957	pCi/L	U	U	0.11	0.195
FTF012R	9/18/2019	URANIUM-235	0.5	-0.0105	pCi/L	U	U	0.244	0.46
FTF012R	9/18/2019	URANIUM-238	10	0.178	pCi/L	U	U	0.332	0.82
FTF012R	9/18/2019	URANIUM-238	10	0.155	pCi/L	U	U	0.226	0.606
FTF012R	2/6/2019	URANIUM-238	10	0.117	pCi/L	U	U	0.0827	0.275
FTF012R	2/6/2019	URANIUM-238	10	0.0632	pCi/L	U	U	0.148	0.338
FTF 28	9/24/2019	URANIUM-238	10	0.00698	pCi/L	U	U	0.152	0.298
FTF 28	9/24/2019	URANIUM-238	10	0.00129	pCi/L	U	U	0.13	0.249
FTF 28	9/24/2019	URANIUM-238	10	-0.0387	pCi/L	U	U	0.179	0.288
FBG001D	9/16/2019	Water Elevation	NA	224.39	ft msl				
FBG001D	2/6/2019	Water Elevation	NA	224.35	ft msl				
FTF009R	9/16/2019	Water Elevation	NA	223.34	ft msl				
FTF 19	9/16/2019	Water Elevation	NA	222.95	ft msl				
FTF 20	9/16/2019	Water Elevation	NA	222.39	ft msl				
FTF 23	9/17/2019	Water Elevation	NA	222.37	ft msl				
FTF012R	9/18/2019	Water Elevation	NA	222.35	ft msl				
FTF 22	9/16/2019	Water Elevation	NA	222.18	ft msl				
FTF 19	2/5/2019	Water Elevation	NA	222.1	ft msl				
FTF 20	3/12/2019	Water Elevation	NA	221.88	ft msl				
FTF 23	2/5/2019	Water Elevation	NA	221.6	ft msl				
FTF030D	9/17/2019	Water Elevation	NA	221.56	ft msl				
FTF 20	2/5/2019	Water Elevation	NA	221.5	ft msl				
FTF 22	2/5/2019	Water Elevation	NA	221.4	ft msl				
FTF012R	2/6/2019	Water Elevation	NA	221.35	ft msl				
FTF009R	2/6/2019	Water Elevation	NA	221.3	ft msl				
FTF030D	2/7/2019	Water Elevation	NA	220.71	ft msl				
FBG001C	9/16/2019	Water Elevation	NA	219.26	ft msl				
FBG001C	2/6/2019	Water Elevation	NA	218.61	ft msl				
FTF030	9/17/2019	Water Elevation	NA	215.3	ft msl				
FTF031	9/17/2019	Water Elevation	NA	215.28	ft msl				
FTF031	2/6/2019	Water Elevation	NA	215.18	ft msl				
FTF030	2/7/2019	Water Elevation	NA	215.12	ft msl				
FTF 29	9/17/2019	Water Elevation	NA	214.3	ft msl				
FTF 29	2/5/2019	Water Elevation	NA	213.92	ft msl				
FTF 28	9/24/2019	Water Elevation	NA	213.42	ft msl				
FTF 28	2/5/2019	Water Elevation	NA	213.02	ft msl				

ATTACHMENT B

2019 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
<i>[null]</i>	Data not remarked. The detected analyte result is acceptable for use as reported.
<i>J</i>	The detected analyte was positively identified but the result is approximate.
<i>NJ</i>	The detected analyte was only tentatively identified, and the result is approximate.
<i>U</i>	The analyte was analyzed for, but not detected. The SQL is valid unless blank contamination is indicated.
<i>UJ</i>	The analyte was analyzed for, but not detected. The SQL is approximate and may be inaccurate or imprecise.
<i>R</i>	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 8B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.1	1
HAA 14C	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.1	1
HAA 1A	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 1C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 1D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA021D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA020C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA021C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA020D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 9D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 9B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12C	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11D	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10B	2/1/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 15C	2/7/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 15D	2/7/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 15B	2/7/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7B	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7C	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10D	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA019C	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA019D	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7D	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8B	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8C	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8D	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13B	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13C	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13D	2/8/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14B	2/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4C	2/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4B	2/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4D	2/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14D	2/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14C	2/12/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA017C	2/14/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA017D	2/14/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018D	2/14/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018C	2/14/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018C	2/14/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 1A	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 1C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 1D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 2D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 7D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 8D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 9B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 9D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 10D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 11D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 12D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13B	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 13D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018D	9/5/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018C	9/5/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA018C	9/5/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA020C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA020D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA021C	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA021D	8/30/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 15B	9/10/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 15C	9/10/2019	CADMIUM	5	1 ug/L	U	U		0.3	1

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 15D	9/10/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA019C	9/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA019D	9/11/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4C	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4B	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 4D	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14B	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14C	9/16/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 14D	9/17/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA017C	9/24/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA017D	9/24/2019	CADMIUM	5	1 ug/L	U	U		0.3	1
HAA 9C	8/30/2019	CADMIUM	5	0.558 ug/L	J	J		0.3	1
HAA 9C	2/1/2019	CADMIUM	5	0.512 ug/L	J	J		0.3	1
HAA 14C	2/12/2019	CADMIUM	5	0.24 ug/L	J	J		0.2	0.5
HAA 8B	2/8/2019	CADMIUM	5	0.2 ug/L	J	J		0.2	0.5
HAA 14C	9/16/2019	CADMIUM	5	0.1 ug/L	J	J		0.1	1
HAA 8B	8/30/2019	CHROMIUM	100	100 ug/L	U	U		10	100
HAA 14C	9/16/2019	CHROMIUM	100	100 ug/L	U	U		10	100
HAA 14C	9/16/2019	CHROMIUM	100	100 ug/L	U	U		10	100
HAA 4C	9/16/2019	CHROMIUM	100	26.3 ug/L				3	10
HAA 4C	2/11/2019	CHROMIUM	100	14.2 ug/L				3	10
HAA 1D	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 1A	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 1C	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA020C	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 11B	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 2C	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 2D	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 9D	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 12D	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 11D	2/1/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 15C	2/7/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 15D	2/7/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 10D	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA019D	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 7D	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8B	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8C	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8D	2/8/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 4B	2/11/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 4D	2/11/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 14D	2/11/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA017C	2/14/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA017D	2/14/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA018D	2/14/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8B	2/8/2019	CHROMIUM	100	10 ug/L	U	U		4	10
HAA 1A	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 1C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 1D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 2C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 2D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 7D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8B	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 8D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 9D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 10C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 10D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 11B	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 11D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 12D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 13D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA018D	9/5/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA020C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA020D	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA021C	8/30/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 15B	9/10/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 15C	9/10/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 15D	9/10/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA019D	9/11/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 4B	9/16/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 4D	9/16/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 14D	9/17/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA017C	9/24/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA017D	9/24/2019	CHROMIUM	100	10 ug/L	U	U		3	10
HAA 12C	2/1/2019	CHROMIUM	100	8.29 ug/L	J	J		3	10
HAA 7C	2/8/2019	CHROMIUM	100	7.06 ug/L	J	J		3	10
HAA 7C	8/30/2019	CHROMIUM	100	6.94 ug/L	J	J		3	10
HAA 14C	2/12/2019	CHROMIUM	100	6.7 ug/L	J	J		4	10
HAA 13C	2/8/2019	CHROMIUM	100	6.19 ug/L	J	J		3	10
HAA 14C	8/30/2019	CHROMIUM	100	5.67 ug/L	J	J		3	10
HAA 14C	9/16/2019	CHROMIUM	100	5.63 ug/L	J	J		3	10
HAA018C	2/14/2019	CHROMIUM	100	4.97 ug/L	J	J		3	10
HAA018C	2/14/2019	CHROMIUM	100	4.96 ug/L	J	J		3	10
HAA 14C	2/12/2019	CHROMIUM	100	4.75 ug/L	J	J		3	10

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA018C	9/5/2019	CHROMIUM	100	4.66	ug/L	J	J	3	10
HAA018C	9/5/2019	CHROMIUM	100	4.57	ug/L	J	J	3	10
HAA 12B	2/1/2019	CHROMIUM	100	4.51	ug/L	J	J	3	10
HAA 14B	9/16/2019	CHROMIUM	100	4.32	ug/L	J	J	3	10
HAA 2B	2/1/2019	CHROMIUM	100	4.31	ug/L	J	J	3	10
HAA 9C	2/1/2019	CHROMIUM	100	4.29	ug/L	J	J	3	10
HAA 14B	2/11/2019	CHROMIUM	100	4.23	ug/L	J	J	3	10
HAA021D	2/1/2019	CHROMIUM	100	4.22	ug/L	J	J	3	10
HAA 12B	8/30/2019	CHROMIUM	100	4.09	ug/L	J	J	3	10
HAA 13D	2/8/2019	CHROMIUM	100	4.03	ug/L	J	J	3	10
HAA020D	2/1/2019	CHROMIUM	100	3.9	ug/L	J	J	3	10
HAA 13B	2/8/2019	CHROMIUM	100	3.83	ug/L	J	J	3	10
HAA 13B	8/30/2019	CHROMIUM	100	3.75	ug/L	J	J	3	10
HAA019C	9/11/2019	CHROMIUM	100	3.74	ug/L	J	J	3	10
HAA 11C	2/1/2019	CHROMIUM	100	3.72	ug/L	J	J	3	10
HAA 9C	8/30/2019	CHROMIUM	100	3.72	ug/L	J	J	3	10
HAA 9B	2/1/2019	CHROMIUM	100	3.64	ug/L	J	J	3	10
HAA019C	2/8/2019	CHROMIUM	100	3.63	ug/L	J	J	3	10
HAA021C	2/1/2019	CHROMIUM	100	3.62	ug/L	J	J	3	10
HAA 10C	2/1/2019	CHROMIUM	100	3.6	ug/L	J	J	3	10
HAA021D	8/30/2019	CHROMIUM	100	3.6	ug/L	J	J	3	10
HAA 2B	8/30/2019	CHROMIUM	100	3.48	ug/L	J	J	3	10
HAA 7B	8/30/2019	CHROMIUM	100	3.44	ug/L	J	J	3	10
HAA 7B	2/8/2019	CHROMIUM	100	3.42	ug/L	J	J	3	10
HAA 11C	8/30/2019	CHROMIUM	100	3.42	ug/L	J	J	3	10
HAA 9B	8/30/2019	CHROMIUM	100	3.41	ug/L	J	J	3	10
HAA 10B	2/1/2019	CHROMIUM	100	3.36	ug/L	J	J	3	10
HAA 15B	2/7/2019	CHROMIUM	100	3.32	ug/L	J	J	3	10
HAA 10B	8/30/2019	CHROMIUM	100	3.29	ug/L	J	J	3	10
HAA 10B	2/1/2019	CHROMIUM	100	3.28	ug/L	J	J	3	10
HAA 10B	8/30/2019	CHROMIUM	100	3.18	ug/L	J	J	3	10
HAA 12C	8/30/2019	CHROMIUM	100	3.16	ug/L	J	J	3	10
HAA018D	9/5/2019	GROSS ALPHA	15	7.99	pCi/L			0.768	2.91
HAA 4D	9/16/2019	GROSS ALPHA	15	6.6	pCi/L			0.563	2.62
HAA 4D	9/16/2019	GROSS ALPHA	15	5.98	pCi/L			0.98	3.52
HAA 4D	2/11/2019	GROSS ALPHA	15	4.34	pCi/L	J	J	2.41	6.35
HAA 9C	2/1/2019	GROSS ALPHA	15	3.73	pCi/L	J	J	2.23	6.21
HAA 7D	2/8/2019	GROSS ALPHA	15	3.73	pCi/L	J	J	1.87	5.69
HAA020D	8/30/2019	GROSS ALPHA	15	3.1	pCi/L			0.555	1.58
HAA020C	2/1/2019	GROSS ALPHA	15	2.81	pCi/L	U	U	2.93	7.39
HAA020D	2/1/2019	GROSS ALPHA	15	2.78	pCi/L	J	J	2.08	5.54
HAA017D	2/14/2019	GROSS ALPHA	15	2.75	pCi/L	J	J	1.8	5.08
HAA 7D	8/30/2019	GROSS ALPHA	15	2.66	pCi/L			0.839	2.45
HAA 13C	2/8/2019	GROSS ALPHA	15	2.52	pCi/L	J	J	2.22	5.7
HAA019D	2/8/2019	GROSS ALPHA	15	2.47	pCi/L	J	J	2.13	5.49
HAA 14D	2/11/2019	GROSS ALPHA	15	2.09	pCi/L	J	J	1.99	4.95
HAA 15D	2/7/2019	GROSS ALPHA	15	2.02	pCi/L	J	J	1.92	4.62
HAA 1A	2/1/2019	GROSS ALPHA	15	2	pCi/L	U	U	2.35	5.69
HAA 2D	2/1/2019	GROSS ALPHA	15	1.78	pCi/L	U	U	2.87	6.45
HAA 10D	8/30/2019	GROSS ALPHA	15	1.75	pCi/L			0.563	1.74
HAA 10B	2/1/2019	GROSS ALPHA	15	1.71	pCi/L	U	U	2.42	5.68
HAA019C	2/8/2019	GROSS ALPHA	15	1.69	pCi/L	U	U	2.56	5.76
HAA019D	9/11/2019	GROSS ALPHA	15	1.66	pCi/L	J	J	0.786	2.2
HAA021D	2/1/2019	GROSS ALPHA	15	1.63	pCi/L	U	U	2.53	5.73
HAA 9B	2/1/2019	GROSS ALPHA	15	1.58	pCi/L	U	U	2.6	6
HAA 14B	2/11/2019	GROSS ALPHA	15	1.57	pCi/L	U	U	2.62	5.9
HAA 15B	9/10/2019	GROSS ALPHA	15	1.57	pCi/L	J	J	0.927	2.42
HAA 1D	8/30/2019	GROSS ALPHA	15	1.54	pCi/L	J	J	0.633	1.76
HAA 12D	2/1/2019	GROSS ALPHA	15	1.51	pCi/L	U	U	2.48	5.6
HAA 7C	2/8/2019	GROSS ALPHA	15	1.48	pCi/L	U	U	2.04	4.8
HAA 15B	2/7/2019	GROSS ALPHA	15	1.46	pCi/L	U	U	1.71	4.13
HAA 15B	2/7/2019	GROSS ALPHA	15	1.45	pCi/L	U	U	2.05	4.63
HAA017C	2/14/2019	GROSS ALPHA	15	1.44	pCi/L	U	U	2.58	5.74
HAA 10D	2/8/2019	GROSS ALPHA	15	1.36	pCi/L	U	U	2.27	5.15
HAA 11B	2/1/2019	GROSS ALPHA	15	1.26	pCi/L	U	U	2.82	6.14
HAA 13B	2/8/2019	GROSS ALPHA	15	1.19	pCi/L	U	U	2.18	4.88
HAA 11D	2/1/2019	GROSS ALPHA	15	1.18	pCi/L	U	U	2.46	5.38
HAA 7C	8/30/2019	GROSS ALPHA	15	1.17	pCi/L	J	J	0.749	1.89
HAA 14D	9/17/2019	GROSS ALPHA	15	1.14	pCi/L	J	J	0.991	2.35
HAA 7B	2/8/2019	GROSS ALPHA	15	1.1	pCi/L	U	U	1.79	4.13
HAA 2B	2/1/2019	GROSS ALPHA	15	1.07	pCi/L	U	U	2.29	5.03
HAA 7B	8/30/2019	GROSS ALPHA	15	1.07	pCi/L	J	J	0.69	1.8
HAA 8C	8/30/2019	GROSS ALPHA	15	1.07	pCi/L	J	J	0.491	1.42
HAA 12B	2/1/2019	GROSS ALPHA	15	1.06	pCi/L	U	U	2.24	4.92
HAA 4B	2/11/2019	GROSS ALPHA	15	1.05	pCi/L	U	U	2.12	4.7
HAA 2C	8/30/2019	GROSS ALPHA	15	1.02	pCi/L	J	J	0.579	1.52
HAA 1D	2/1/2019	GROSS ALPHA	15	0.993	pCi/L	U	U	2.03	4.47
HAA 14B	9/16/2019	GROSS ALPHA	15	0.979	pCi/L	U	U	0.989	2.36
HAA 2D	2/1/2019	GROSS ALPHA	15	0.973	pCi/L	U	U	2.63	5.61
HAA 4C	2/11/2019	GROSS ALPHA	15	0.973	pCi/L	U	U	2.63	5.61
HAA 13D	8/30/2019	GROSS ALPHA	15	0.965	pCi/L			0.278	0.81
HAA 8B	2/8/2019	GROSS ALPHA	15	0.941	pCi/L	U	U	2.34	5.04
HAA 10B	8/30/2019	GROSS ALPHA	15	0.939	pCi/L	U	U	1.03	2.32
HAA 1C	8/30/2019	GROSS ALPHA	15	0.934	pCi/L	U	U	0.965	2.29
HAA 15D	9/10/2019	GROSS ALPHA	15	0.906	pCi/L	J	J	0.744	1.83

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA018C	2/14/2019	GROSS ALPHA	15	0.9	pCi/L	U	U	2.29	4.91
HAA 14C	9/16/2019	GROSS ALPHA	15	0.897	pCi/L	U	U	2.25	5.07
HAA 11B	8/30/2019	GROSS ALPHA	15	0.881	pCi/L	J	J	0.763	1.78
HAA 12C	2/1/2019	GROSS ALPHA	15	0.866	pCi/L	U	U	2.14	4.6
HAA 9B	8/30/2019	GROSS ALPHA	15	0.863	pCi/L	J	J	0.651	1.55
HAA 13B	8/30/2019	GROSS ALPHA	15	0.856	pCi/L	J	J	0.766	1.78
HAA 15C	9/10/2019	GROSS ALPHA	15	0.817	pCi/L	J	J	0.648	1.59
HAA 2D	8/30/2019	GROSS ALPHA	15	0.816	pCi/L	J	J	0.737	1.72
HAA021D	8/30/2019	GROSS ALPHA	15	0.806	pCi/L	J	J	0.657	1.62
HAA 9D	2/1/2019	GROSS ALPHA	15	0.785	pCi/L	U	U	2.24	4.74
HAA 15C	2/7/2019	GROSS ALPHA	15	0.781	pCi/L	U	U	2.04	4.36
HAA 8D	2/8/2019	GROSS ALPHA	15	0.772	pCi/L	U	U	2.43	5.13
HAA021D	8/30/2019	GROSS ALPHA	15	0.734	pCi/L	U	U	0.871	2.03
HAA 11C	2/1/2019	GROSS ALPHA	15	0.687	pCi/L	U	U	2.6	5.4
HAA 10C	8/30/2019	GROSS ALPHA	15	0.677	pCi/L	U	U	0.811	1.85
HAA 11D	8/30/2019	GROSS ALPHA	15	0.671	pCi/L	J	J	0.357	0.883
HAA019C	9/11/2019	GROSS ALPHA	15	0.609	pCi/L	U	U	0.799	1.85
HAA 4C	9/16/2019	GROSS ALPHA	15	0.606	pCi/L	U	U	0.984	2.2
HAA 12C	8/30/2019	GROSS ALPHA	15	0.601	pCi/L	J	J	0.476	1.11
HAA018D	2/14/2019	GROSS ALPHA	15	0.595	pCi/L	U	U	2.16	4.46
HAA 8D	8/30/2019	GROSS ALPHA	15	0.57	pCi/L	J	J	0.57	1.36
HAA 1D	8/30/2019	GROSS ALPHA	15	0.554	pCi/L	J	J	0.543	1.3
HAA 12B	8/30/2019	GROSS ALPHA	15	0.554	pCi/L	U	U	0.854	1.89
HAA018C	9/5/2019	GROSS ALPHA	15	0.553	pCi/L	J	J	0.365	0.875
HAA017D	9/24/2019	GROSS ALPHA	15	0.531	pCi/L	U	U	0.663	1.54
HAA 14C	9/16/2019	GROSS ALPHA	15	0.494	pCi/L	U	U	2.26	4.58
HAA021C	2/1/2019	GROSS ALPHA	15	0.493	pCi/L	U	U	2.55	5.21
HAA 13C	8/30/2019	GROSS ALPHA	15	0.471	pCi/L	U	U	0.653	1.45
HAA018C	9/5/2019	GROSS ALPHA	15	0.471	pCi/L	J	J	0.317	0.767
HAA 8B	8/30/2019	GROSS ALPHA	15	0.458	pCi/L	U	U	2.28	4.58
HAA020C	8/30/2019	GROSS ALPHA	15	0.433	pCi/L	U	U	0.534	1.19
HAA 1C	2/1/2019	GROSS ALPHA	15	0.422	pCi/L	U	U	2.39	4.75
HAA 9D	8/30/2019	GROSS ALPHA	15	0.419	pCi/L	U	U	0.693	1.54
HAA018C	2/14/2019	GROSS ALPHA	15	0.413	pCi/L	U	U	2.53	5.01
HAA 8B	8/30/2019	GROSS ALPHA	15	0.401	pCi/L	U	U	0.672	1.5
HAA 10B	8/30/2019	GROSS ALPHA	15	0.375	pCi/L	U	U	0.805	1.76
HAA 11C	8/30/2019	GROSS ALPHA	15	0.36	pCi/L	U	U	0.492	1.1
HAA 1A	8/30/2019	GROSS ALPHA	15	0.333	pCi/L	U	U	0.738	1.61
HAA021C	8/30/2019	GROSS ALPHA	15	0.318	pCi/L	U	U	0.487	1.08
HAA017C	9/24/2019	GROSS ALPHA	15	0.306	pCi/L	U	U	0.768	1.65
HAA 12D	8/30/2019	GROSS ALPHA	15	0.291	pCi/L	U	U	0.515	1.13
HAA 4B	9/16/2019	GROSS ALPHA	15	0.281	pCi/L	U	U	0.97	2.06
HAA 2B	8/30/2019	GROSS ALPHA	15	0.262	pCi/L	U	U	0.965	2.03
HAA 8B	2/8/2019	GROSS ALPHA	15	0.2331	pCi/L	U	U	1.1	2.324
HAA 9C	8/30/2019	GROSS ALPHA	15	0.232	pCi/L	U	U	0.795	1.69
HAA 14C	9/16/2019	GROSS ALPHA	15	0.177	pCi/L	U	U	0.969	2
HAA 15D	9/10/2019	GROSS ALPHA	15	0.146	pCi/L	U	U	0.768	1.6
HAA 8B	2/8/2019	GROSS ALPHA	15	0.143	pCi/L	U	U	0.967	2.005
HAA 13D	2/8/2019	GROSS ALPHA	15	0.133	pCi/L	U	U	2.41	4.85
HAA 2C	2/1/2019	GROSS ALPHA	15	0.00646	pCi/L	U	U	2.71	5.31
HAA 8C	2/8/2019	GROSS ALPHA	15	-0.0681	pCi/L	U	U	2.31	4.51
HAA 10B	2/1/2019	GROSS ALPHA	15	-0.194	pCi/L	U	U	2.55	4.46
HAA 14C	2/12/2019	GROSS ALPHA	15	-0.221	pCi/L	U	U	1.23	2.388
HAA 10C	2/1/2019	GROSS ALPHA	15	-0.336	pCi/L	U	U	2.52	4.54
HAA 14C	2/12/2019	GROSS ALPHA	15	-0.36	pCi/L	U	U	2.14	3.5
HAA 10D	8/30/2019	MANGANESE	430 ^a	458	ug/L			1	5
HAA 10D	2/8/2019	MANGANESE	430 ^a	343	ug/L			1	5
HAA019D	9/11/2019	MANGANESE	430 ^a	142	ug/L			1	5
HAA 8D	2/8/2019	MANGANESE	430 ^a	115	ug/L			1	5
HAA019D	2/8/2019	MANGANESE	430 ^a	109	ug/L			1	5
HAA 15C	2/7/2019	MANGANESE	430 ^a	100	ug/L			1	5
HAA018D	2/14/2019	MANGANESE	430 ^a	95.2	ug/L			1	5
HAA017D	2/14/2019	MANGANESE	430 ^a	48.8	ug/L			1	5
HAA017D	9/24/2019	MANGANESE	430 ^a	45.5	ug/L			1	5
HAA018D	9/5/2019	MANGANESE	430 ^a	43.9	ug/L			1	5
HAA017C	9/24/2019	MANGANESE	430 ^a	40.2	ug/L			1	5
HAA 1C	8/30/2019	MANGANESE	430 ^a	39	ug/L			1	5
HAA 8C	2/8/2019	MANGANESE	430 ^a	37.6	ug/L			1	5
HAA 1C	2/1/2019	MANGANESE	430 ^a	36.7	ug/L			1	5
HAA 8C	8/30/2019	MANGANESE	430 ^a	36.7	ug/L			1	5
HAA017C	2/14/2019	MANGANESE	430 ^a	35.2	ug/L			1	5
HAA021D	8/30/2019	MANGANESE	430 ^a	23.8	ug/L			1	5
HAA 4D	9/16/2019	MANGANESE	430 ^a	22.7	ug/L			1	5
HAA 2C	8/30/2019	MANGANESE	430 ^a	20.4	ug/L			1	5
HAA 4D	2/11/2019	MANGANESE	430 ^a	20.1	ug/L			1	5
HAA 2C	2/1/2019	MANGANESE	430 ^a	19.2	ug/L			1	5
HAA021D	2/1/2019	MANGANESE	430 ^a	18.1	ug/L			1	5
HAA021C	2/1/2019	MANGANESE	430 ^a	17.7	ug/L			1	5
HAA 8D	8/30/2019	MANGANESE	430 ^a	17.7	ug/L			1	5
HAA021C	8/30/2019	MANGANESE	430 ^a	16.3	ug/L			1	5
HAA 12C	2/1/2019	MANGANESE	430 ^a	14.3	ug/L			1	5
HAA 12C	8/30/2019	MANGANESE	430 ^a	13.1	ug/L			1	5
HAA 15C	9/10/2019	MANGANESE	430 ^a	11.7	ug/L			1	5
HAA 14C	9/16/2019	MANGANESE	430 ^a	10	ug/L	U	U	1	10
HAA 14C	9/16/2019	MANGANESE	430 ^a	10	ug/L	U	U	1	10

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 7C	2/8/2019	MANGANESE	430 ^a	10	ug/L			1	5
HAA018C	9/5/2019	MANGANESE	430 ^a	9.27	ug/L			1	5
HAA018C	9/5/2019	MANGANESE	430 ^a	8.87	ug/L			1	5
HAA018C	2/14/2019	MANGANESE	430 ^a	8.57	ug/L			1	5
HAA 7C	8/30/2019	MANGANESE	430 ^a	8.51	ug/L			1	5
HAA 10C	2/1/2019	MANGANESE	430 ^a	8.42	ug/L			1	5
HAA018C	2/14/2019	MANGANESE	430 ^a	7.68	ug/L			1	5
HAA020D	2/1/2019	MANGANESE	430 ^a	7.46	ug/L			1	5
HAA 4C	9/16/2019	MANGANESE	430 ^a	6.65	ug/L			1	5
HAA 10C	8/30/2019	MANGANESE	430 ^a	5.44	ug/L			1	5
HAA 13D	2/8/2019	MANGANESE	430 ^a	5.28	ug/L			1	5
HAA 1D	8/30/2019	MANGANESE	430 ^a	5.07	ug/L			1	5
HAA 1A	2/1/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 12B	2/1/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 15B	2/7/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA019C	2/8/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 7D	2/8/2019	MANGANESE	430 ^a	5	ug/L			1	5
HAA 13B	2/8/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 13C	2/8/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 14B	2/11/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 4B	2/11/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 14C	2/12/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 1A	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 2B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 9B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 10B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 10B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 12B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 13B	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 13C	8/30/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 4B	9/16/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 14B	9/16/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA 14C	9/16/2019	MANGANESE	430 ^a	5	ug/L	U	U	1	5
HAA020C	2/1/2019	MANGANESE	430 ^a	4.95	ug/L	J	J	1	5
HAA020D	8/30/2019	MANGANESE	430 ^a	4.9	ug/L	J	J	1	5
HAA 13D	8/30/2019	MANGANESE	430 ^a	4.49	ug/L	J	J	1	5
HAA 9C	2/1/2019	MANGANESE	430 ^a	4.19	ug/L	J	J	1	5
HAA 15D	9/10/2019	MANGANESE	430 ^a	4.17	ug/L	J	J	1	5
HAA 2D	8/30/2019	MANGANESE	430 ^a	4.08	ug/L	J	J	1	5
HAA 14C	2/12/2019	MANGANESE	430 ^a	4	ug/L	U	U	2	4
HAA 11B	2/1/2019	MANGANESE	430 ^a	3.75	ug/L	J	J	1	5
HAA 9D	2/1/2019	MANGANESE	430 ^a	3.71	ug/L	J	J	1	5
HAA 9C	8/30/2019	MANGANESE	430 ^a	3.61	ug/L	J	J	1	5
HAA 7D	8/30/2019	MANGANESE	430 ^a	3.35	ug/L	J	J	1	5
HAA 9D	8/30/2019	MANGANESE	430 ^a	3.33	ug/L	J	J	1	5
HAA 1D	2/1/2019	MANGANESE	430 ^a	3.23	ug/L	J	J	1	5
HAA 8B	2/8/2019	MANGANESE	430 ^a	3.2	ug/L	J	J	2	4
HAA020C	8/30/2019	MANGANESE	430 ^a	3.09	ug/L	J	J	1	5
HAA 2D	2/1/2019	MANGANESE	430 ^a	2.89	ug/L	J	J	1	5
HAA 8B	2/8/2019	MANGANESE	430 ^a	2.76	ug/L	J	J	1	5
HAA 4C	2/11/2019	MANGANESE	430 ^a	2.68	ug/L	J	J	1	5
HAA 14D	9/17/2019	MANGANESE	430 ^a	2.65	ug/L	J	J	1	5
HAA 7B	2/8/2019	MANGANESE	430 ^a	2.61	ug/L	J	J	1	5
HAA 15D	2/7/2019	MANGANESE	430 ^a	2.52	ug/L	J	J	1	5
HAA 14D	2/11/2019	MANGANESE	430 ^a	2.39	ug/L	J	J	1	5
HAA 7B	8/30/2019	MANGANESE	430 ^a	2.38	ug/L	J	J	1	5
HAA 8B	8/30/2019	MANGANESE	430 ^a	2.28	ug/L	J	J	1	10
HAA 8B	8/30/2019	MANGANESE	430 ^a	2.21	ug/L	J	J	1	5
HAA 11D	8/30/2019	MANGANESE	430 ^a	2.09	ug/L	J	J	1	5
HAA 10B	2/1/2019	MANGANESE	430 ^a	1.96	ug/L	J	J	1	5
HAA 11D	2/1/2019	MANGANESE	430 ^a	1.68	ug/L	J	J	1	5
HAA 10B	2/1/2019	MANGANESE	430 ^a	1.46	ug/L	J	J	1	5
HAA 12D	2/1/2019	MANGANESE	430 ^a	1.44	ug/L	J	J	1	5
HAA019C	9/11/2019	MANGANESE	430 ^a	1.32	ug/L	J	J	1	5
HAA 12D	8/30/2019	MANGANESE	430 ^a	1.28	ug/L	J	J	1	5
HAA 15B	9/10/2019	MANGANESE	430 ^a	1.28	ug/L	J	J	1	5
HAA 9B	2/1/2019	MANGANESE	430 ^a	1.26	ug/L	J	J	1	5
HAA 11B	8/30/2019	MANGANESE	430 ^a	1.25	ug/L	J	J	1	5
HAA 2B	2/1/2019	MANGANESE	430 ^a	1.24	ug/L	J	J	1	5
HAA 11C	2/1/2019	MANGANESE	430 ^a	1.18	ug/L	J	J	1	5
HAA 11C	8/30/2019	MANGANESE	430 ^a	1.17	ug/L	J	J	1	5
HAA 4D	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	6.39	mg/L			0.39	1
HAA 4D	2/11/2019	NITRATE-NITRITE AS NITROGEN	10	5.91	mg/L			0.39	1
HAA 12C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	3.47	mg/L			0.078	0.2
HAA 12C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	3.46	mg/L			0.078	0.2
HAA 13D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	3.45	mg/L			0.078	0.2
HAA 11D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	3.22	mg/L			0.078	0.2
HAA 8D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	2.71	mg/L			0.078	0.2
HAA019D	9/11/2019	NITRATE-NITRITE AS NITROGEN	10	2.53	mg/L			0.078	0.2
HAA 11D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	2.48	mg/L			0.078	0.2
HAA 12D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	2.39	mg/L			0.078	0.2
HAA019D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	2.13	mg/L			0.078	0.2
HAA 8C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	2.11	mg/L			0.078	0.2
HAA 12D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	2.08	mg/L			0.078	0.2
HAA021D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	2.07	mg/L			0.078	0.2

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 8C	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	2.07	mg/L			0.078	0.2
HAA021D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	2.02	mg/L			0.078	0.2
HAA 4B	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	1.86	mg/L			0.078	0.2
HAA 15D	2/7/2019	NITRATE-NITRITE AS NITROGEN	10	1.86	mg/L			0.078	0.2
HAA 9C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.86	mg/L			0.078	0.2
HAA 10C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.85	mg/L			0.078	0.2
HAA 13D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.84	mg/L			0.078	0.2
HAA 9C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.81	mg/L			0.078	0.2
HAA018D	9/5/2019	NITRATE-NITRITE AS NITROGEN	10	1.79	mg/L			0.078	0.2
HAA017D	9/24/2019	NITRATE-NITRITE AS NITROGEN	10	1.75	mg/L			0.078	0.2
HAA 15D	9/10/2019	NITRATE-NITRITE AS NITROGEN	10	1.75	mg/L			0.078	0.2
HAA017D	2/14/2019	NITRATE-NITRITE AS NITROGEN	10	1.73	mg/L			0.078	0.2
HAA 10C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.7	mg/L			0.078	0.2
HAA 1D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.57	mg/L			0.078	0.2
HAA 9D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.51	mg/L			0.078	0.2
HAA 15B	9/10/2019	NITRATE-NITRITE AS NITROGEN	10	1.44	mg/L			0.078	0.2
HAA 15B	2/7/2019	NITRATE-NITRITE AS NITROGEN	10	1.4	mg/L			0.078	0.2
HAA018D	2/14/2019	NITRATE-NITRITE AS NITROGEN	10	1.31	mg/L			0.078	0.2
HAA020D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.27	mg/L			0.078	0.2
HAA 7D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.27	mg/L			0.078	0.2
HAA020D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.24	mg/L			0.078	0.2
HAA 4B	2/11/2019	NITRATE-NITRITE AS NITROGEN	10	1.14	mg/L			0.078	0.2
HAA 7D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	1.13	mg/L			0.078	0.2
HAA021C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.12	mg/L			0.078	0.2
HAA 15C	9/10/2019	NITRATE-NITRITE AS NITROGEN	10	1.09	mg/L			0.078	0.2
HAA 9D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.08	mg/L			0.078	0.2
HAA021C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.08	mg/L			0.078	0.2
HAA 13B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1.07	mg/L			0.078	0.2
HAA 11C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	1.01	mg/L			0.078	0.2
HAA 11C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	1	mg/L			0.078	0.2
HAA 15C	2/7/2019	NITRATE-NITRITE AS NITROGEN	10	0.984	mg/L			0.078	0.2
HAA 11B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.977	mg/L			0.0078	0.02
HAA 10B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.937	mg/L			0.078	0.2
HAA 10B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.905	mg/L			0.078	0.2
HAA 14D	9/17/2019	NITRATE-NITRITE AS NITROGEN	10	0.895	mg/L			0.078	0.2
HAA 11B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.894	mg/L			0.078	0.2
HAA 10B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.832	mg/L			0.078	0.2
HAA 10B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.829	mg/L			0.078	0.2
HAA 14D	2/11/2019	NITRATE-NITRITE AS NITROGEN	10	0.818	mg/L			0.078	0.2
HAA019C	9/11/2019	NITRATE-NITRITE AS NITROGEN	10	0.782	mg/L			0.0078	0.02
HAA020C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.754	mg/L			0.0078	0.02
HAA020C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.719	mg/L			0.0078	0.02
HAA 2D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.715	mg/L			0.0078	0.02
HAA019C	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.706	mg/L			0.078	0.2
HAA 2D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.661	mg/L			0.0078	0.02
HAA 14C	2/12/2019	NITRATE-NITRITE AS NITROGEN	10	0.65	mg/L			0.11	0.25
HAA 2C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.608	mg/L			0.0078	0.02
HAA 4C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	0.58	mg/L			0.0078	0.02
HAA 2C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.552	mg/L			0.0078	0.02
HAA 10D	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.526	mg/L			0.0078	0.02
HAA 14C	2/12/2019	NITRATE-NITRITE AS NITROGEN	10	0.476	mg/L			0.078	0.2
HAA 4C	2/11/2019	NITRATE-NITRITE AS NITROGEN	10	0.456	mg/L			0.0078	0.02
HAA 14C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	0.432	mg/L			0.0078	0.02
HAA 14C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	0.432	mg/L			0.017	0.05
HAA 14C	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	0.422	mg/L			0.017	0.05
HAA 14B	9/16/2019	NITRATE-NITRITE AS NITROGEN	10	0.395	mg/L			0.0078	0.02
HAA 13B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.367	mg/L			0.078	0.2
HAA 8D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.334	mg/L			0.078	0.2
HAA 13C	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.328	mg/L			0.078	0.2
HAA 13C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.326	mg/L			0.0078	0.02
HAA 10D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.317	mg/L			0.0078	0.02
HAA 10D	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.315	mg/L			0.0078	0.02
HAA 14B	2/11/2019	NITRATE-NITRITE AS NITROGEN	10	0.281	mg/L			0.078	0.2
HAA 1A	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.231	mg/L			0.0078	0.02
HAA 12B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.228	mg/L			0.0078	0.02
HAA 12B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.228	mg/L			0.0078	0.02
HAA 1D	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.217	mg/L			0.078	0.2
HAA 9B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.156	mg/L			0.0078	0.02
HAA 9B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.153	mg/L			0.0078	0.02
HAA 12B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.144	mg/L			0.0078	0.02
HAA 9B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.141	mg/L			0.0078	0.02
HAA018C	9/5/2019	NITRATE-NITRITE AS NITROGEN	10	0.137	mg/L			0.0078	0.02
HAA 2B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.132	mg/L			0.0078	0.02
HAA018C	9/5/2019	NITRATE-NITRITE AS NITROGEN	10	0.128	mg/L			0.0078	0.02
HAA018C	9/5/2019	NITRATE-NITRITE AS NITROGEN	10	0.128	mg/L			0.0078	0.02
HAA018C	9/5/2019	NITRATE-NITRITE AS NITROGEN	10	0.128	mg/L			0.0078	0.02
HAA 8B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.11	mg/L			0.022	0.05
HAA 8B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0995	mg/L			0.017	0.05
HAA 8B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0984	mg/L			0.017	0.05
HAA018C	2/14/2019	NITRATE-NITRITE AS NITROGEN	10	0.0944	mg/L			0.0078	0.02
HAA 8B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0907	mg/L			0.0078	0.02
HAA018C	2/14/2019	NITRATE-NITRITE AS NITROGEN	10	0.0904	mg/L			0.0078	0.02
HAA 8B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.0897	mg/L			0.0078	0.02
HAA017C	2/14/2019	NITRATE-NITRITE AS NITROGEN	10	0.0895	mg/L			0.0078	0.02
HAA 8B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.0881	mg/L			0.0078	0.02

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 2B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.0864	mg/L			0.0078	0.02
HAA 2B	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.0859	mg/L			0.0078	0.02
HAA017C	9/24/2019	NITRATE-NITRITE AS NITROGEN	10	0.0852	mg/L			0.0078	0.02
HAA 7B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.0754	mg/L			0.0078	0.02
HAA 7B	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.0749	mg/L			0.0078	0.02
HAA 7B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0749	mg/L			0.0078	0.02
HAA 7B	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0744	mg/L			0.0078	0.02
HAA017C	9/24/2019	NITRATE-NITRITE AS NITROGEN	10	0.0683	mg/L			0.0078	0.02
HAA 1A	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.0674	mg/L			0.0078	0.02
HAA 1A	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.0671	mg/L			0.0078	0.02
HAA 7C	2/8/2019	NITRATE-NITRITE AS NITROGEN	10	0.0362	mg/L			0.0078	0.02
HAA 7C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.0361	mg/L			0.0078	0.02
HAA 1C	2/1/2019	NITRATE-NITRITE AS NITROGEN	10	0.02	mg/L	U	U	0.0078	0.02
HAA 1C	8/30/2019	NITRATE-NITRITE AS NITROGEN	10	0.02	mg/L	U	U	0.0078	0.02
HAA 4D	2/11/2019	NONVOLATILE BETA	50	21.1	pCi/L			2.78	8.54
HAA 4D	9/16/2019	NONVOLATILE BETA	50	19.3	pCi/L			0.984	3.42
HAA 4D	9/16/2019	NONVOLATILE BETA	50	15.8	pCi/L			0.874	3.37
HAA 12C	8/30/2019	NONVOLATILE BETA	50	10.2	pCi/L			0.709	1.98
HAA 12C	2/1/2019	NONVOLATILE BETA	50	10	pCi/L			2.34	6.98
HAA 12B	8/30/2019	NONVOLATILE BETA	50	8.17	pCi/L			0.638	1.79
HAA 15C	2/7/2019	NONVOLATILE BETA	50	7.11	pCi/L	J	J	2.95	7.35
HAA 10D	8/30/2019	NONVOLATILE BETA	50	6.56	pCi/L			0.941	2.66
HAA 15C	9/10/2019	NONVOLATILE BETA	50	6.43	pCi/L			0.975	2.65
HAA 12B	2/1/2019	NONVOLATILE BETA	50	6.42	pCi/L	J	J	3.42	8.28
HAA 15B	2/7/2019	NONVOLATILE BETA	50	4.48	pCi/L	J	J	2.82	6.74
HAA 7D	8/30/2019	NONVOLATILE BETA	50	4.25	pCi/L			0.961	2.43
HAA 2D	2/1/2019	NONVOLATILE BETA	50	3.96	pCi/L	J	J	2.97	7.01
HAA017D	2/14/2019	NONVOLATILE BETA	50	3.8	pCi/L	J	J	2.7	6.46
HAA 7D	2/8/2019	NONVOLATILE BETA	50	3.68	pCi/L	J	J	2.7	6.44
HAA 10D	2/8/2019	NONVOLATILE BETA	50	3.61	pCi/L	J	J	2.34	5.74
HAA021C	2/1/2019	NONVOLATILE BETA	50	3.43	pCi/L	J	J	2.31	5.65
HAA020D	2/1/2019	NONVOLATILE BETA	50	3.39	pCi/L	J	J	2.49	5.99
HAA 13B	2/8/2019	NONVOLATILE BETA	50	3.27	pCi/L	J	J	2.81	6.51
HAA020C	2/1/2019	NONVOLATILE BETA	50	3.26	pCi/L	J	J	2.58	6.14
HAA018D	9/5/2019	NONVOLATILE BETA	50	3.12	pCi/L			0.931	2.15
HAA 4B	9/16/2019	NONVOLATILE BETA	50	3.09	pCi/L			0.798	2.1
HAA 9B	2/1/2019	NONVOLATILE BETA	50	2.96	pCi/L	J	J	2.74	6.36
HAA019C	2/8/2019	NONVOLATILE BETA	50	2.93	pCi/L	J	J	1.88	4.54
HAA 2B	2/1/2019	NONVOLATILE BETA	50	2.85	pCi/L	J	J	2.57	5.99
HAA 15B	9/10/2019	NONVOLATILE BETA	50	2.82	pCi/L			0.952	2.37
HAA019D	2/8/2019	NONVOLATILE BETA	50	2.7	pCi/L	J	J	2.56	5.96
HAA 12D	2/1/2019	NONVOLATILE BETA	50	2.5	pCi/L	U	U	2.61	6.01
HAA 2D	8/30/2019	NONVOLATILE BETA	50	2.44	pCi/L			0.99	2.34
HAA020D	8/30/2019	NONVOLATILE BETA	50	2.41	pCi/L			0.675	1.6
HAA 12D	8/30/2019	NONVOLATILE BETA	50	2.38	pCi/L			0.652	1.54
HAA 14B	2/11/2019	NONVOLATILE BETA	50	2.36	pCi/L	U	U	2.97	6.67
HAA 4B	2/11/2019	NONVOLATILE BETA	50	2.11	pCi/L	U	U	2.21	5.13
HAA 15D	2/7/2019	NONVOLATILE BETA	50	2.05	pCi/L	U	U	2.96	6.58
HAA 9D	2/1/2019	NONVOLATILE BETA	50	1.96	pCi/L	U	U	3.16	7
HAA 11D	2/1/2019	NONVOLATILE BETA	50	1.9	pCi/L	U	U	3.77	8.27
HAA 15D	9/10/2019	NONVOLATILE BETA	50	1.86	pCi/L	J	J	0.987	2.32
HAA 1D	2/1/2019	NONVOLATILE BETA	50	1.85	pCi/L	U	U	3.75	8.21
HAA 1C	8/30/2019	NONVOLATILE BETA	50	1.83	pCi/L	J	J	0.988	2.3
HAA019D	9/11/2019	NONVOLATILE BETA	50	1.82	pCi/L	J	J	0.962	2.28
HAA 1A	2/1/2019	NONVOLATILE BETA	50	1.76	pCi/L	U	U	3.23	7.09
HAA 10B	2/1/2019	NONVOLATILE BETA	50	1.7	pCi/L	U	U	2.22	5.04
HAA 15B	2/7/2019	NONVOLATILE BETA	50	1.67	pCi/L	U	U	2.91	6.41
HAA 8C	2/8/2019	NONVOLATILE BETA	50	1.67	pCi/L	U	U	2	4.54
HAA 8D	2/8/2019	NONVOLATILE BETA	50	1.65	pCi/L	U	U	2.15	4.85
HAA 11B	8/30/2019	NONVOLATILE BETA	50	1.57	pCi/L			0.63	1.45
HAA 4C	2/11/2019	NONVOLATILE BETA	50	1.56	pCi/L	U	U	2.6	5.76
HAA 4C	9/16/2019	NONVOLATILE BETA	50	1.56	pCi/L	J	J	0.958	2.26
HAA 11D	8/30/2019	NONVOLATILE BETA	50	1.53	pCi/L	J	J	0.679	1.56
HAA 13D	2/8/2019	NONVOLATILE BETA	50	1.47	pCi/L	U	U	1.7	3.88
HAA 1D	8/30/2019	NONVOLATILE BETA	50	1.47	pCi/L	J	J	0.965	2.21
HAA 14C	2/12/2019	NONVOLATILE BETA	50	1.38	pCi/L	U	U	3.37	7.31
HAA018D	2/14/2019	NONVOLATILE BETA	50	1.38	pCi/L	U	U	3.19	6.93
HAA 1D	8/30/2019	NONVOLATILE BETA	50	1.33	pCi/L	J	J	0.916	2.1
HAA 13D	8/30/2019	NONVOLATILE BETA	50	1.33	pCi/L	J	J	0.892	1.99
HAA 8D	8/30/2019	NONVOLATILE BETA	50	1.32	pCi/L	J	J	0.845	1.94
HAA 8C	8/30/2019	NONVOLATILE BETA	50	1.28	pCi/L	J	J	0.846	1.95
HAA017D	9/24/2019	NONVOLATILE BETA	50	1.27	pCi/L	J	J	0.911	2.1
HAA 13B	8/30/2019	NONVOLATILE BETA	50	1.26	pCi/L	J	J	0.754	1.7
HAA 7B	8/30/2019	NONVOLATILE BETA	50	1.18	pCi/L	J	J	0.858	1.96
HAA018C	9/5/2019	NONVOLATILE BETA	50	1.18	pCi/L	J	J	0.671	1.52
HAA018C	2/14/2019	NONVOLATILE BETA	50	1.16	pCi/L	U	U	3.29	7.09
HAA 15D	9/10/2019	NONVOLATILE BETA	50	1.15	pCi/L	J	J	0.903	2.05
HAA017C	2/14/2019	NONVOLATILE BETA	50	1.11	pCi/L	U	U	3.84	8.28
HAA 14D	9/17/2019	NONVOLATILE BETA	50	1.11	pCi/L	J	J	0.734	1.75
HAA018C	2/14/2019	NONVOLATILE BETA	50	1.09	pCi/L	U	U	3.16	6.82
HAA021D	8/30/2019	NONVOLATILE BETA	50	1.08	pCi/L	J	J	0.961	2.17
HAA 2C	8/30/2019	NONVOLATILE BETA	50	1.07	pCi/L	J	J	0.875	1.98
HAA 7C	8/30/2019	NONVOLATILE BETA	50	1.07	pCi/L	J	J	0.935	2.11
HAA020C	8/30/2019	NONVOLATILE BETA	50	1.07	pCi/L	J	J	0.674	1.52
HAA 11C	8/30/2019	NONVOLATILE BETA	50	1.06	pCi/L	J	J	0.652	1.47

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 10C	8/30/2019	NONVOLATILE BETA	50	1.05	pCi/L	J	J	1	2.25
HAA 11C	2/1/2019	NONVOLATILE BETA	50	1.03	pCi/L	U	U	3.84	8.26
HAA 10B	8/30/2019	NONVOLATILE BETA	50	1.02	pCi/L	J	J	0.673	1.52
HAA 1C	2/1/2019	NONVOLATILE BETA	50	1	pCi/L	U	U	3.21	6.91
HAA 14D	2/11/2019	NONVOLATILE BETA	50	0.95	pCi/L	U	U	2.05	4.51
HAA 8B	8/30/2019	NONVOLATILE BETA	50	0.924	pCi/L	J	J	0.802	1.82
HAA 9C	8/30/2019	NONVOLATILE BETA	50	0.912	pCi/L	U	U	0.933	2.09
HAA 2B	8/30/2019	NONVOLATILE BETA	50	0.907	pCi/L	J	J	0.842	1.9
HAA021C	8/30/2019	NONVOLATILE BETA	50	0.88	pCi/L	J	J	0.64	1.43
HAA 7C	2/8/2019	NONVOLATILE BETA	50	0.873	pCi/L	U	U	2.35	5.07
HAA 13C	2/8/2019	NONVOLATILE BETA	50	0.861	pCi/L	U	U	2.5	5.4
HAA019C	9/11/2019	NONVOLATILE BETA	50	0.861	pCi/L	U	U	0.926	2.08
HAA 9B	8/30/2019	NONVOLATILE BETA	50	0.827	pCi/L	J	J	0.692	1.54
HAA 14C	9/16/2019	NONVOLATILE BETA	50	0.805	pCi/L	U	U	0.943	2.12
HAA 10B	8/30/2019	NONVOLATILE BETA	50	0.776	pCi/L	J	J	0.666	1.49
HAA 9D	8/30/2019	NONVOLATILE BETA	50	0.748	pCi/L	U	U	0.977	2.17
HAA021D	8/30/2019	NONVOLATILE BETA	50	0.73	pCi/L	U	U	0.988	2.19
HAA 11B	2/1/2019	NONVOLATILE BETA	50	0.723	pCi/L	U	U	3.13	6.67
HAA 9C	2/1/2019	NONVOLATILE BETA	50	0.7	pCi/L	U	U	2.22	4.82
HAA 8B	2/8/2019	NONVOLATILE BETA	50	0.6924	pCi/L	U	U	1.05	2.352
HAA 1A	8/30/2019	NONVOLATILE BETA	50	0.681	pCi/L	U	U	0.938	2.06
HAA 2C	2/1/2019	NONVOLATILE BETA	50	0.675	pCi/L	U	U	2.29	4.89
HAA017C	9/24/2019	NONVOLATILE BETA	50	0.669	pCi/L	U	U	0.984	2.18
HAA 2D	2/1/2019	NONVOLATILE BETA	50	0.573	pCi/L	U	U	2.19	4.67
HAA021D	2/1/2019	NONVOLATILE BETA	50	0.549	pCi/L	U	U	3.18	6.76
HAA 13C	8/30/2019	NONVOLATILE BETA	50	0.404	pCi/L	U	U	0.784	1.72
HAA 14C	2/12/2019	NONVOLATILE BETA	50	0.371	pCi/L	U	U	0.998	2.184
HAA 8B	2/8/2019	NONVOLATILE BETA	50	0.32	pCi/L	U	U	2.41	5.07
HAA 8B	2/8/2019	NONVOLATILE BETA	50	0.297	pCi/L	U	U	0.956	2.086
HAA 7B	2/8/2019	NONVOLATILE BETA	50	0.178	pCi/L	U	U	2.49	5.17
HAA 14B	9/16/2019	NONVOLATILE BETA	50	0.143	pCi/L	U	U	0.73	1.56
HAA 10C	2/1/2019	NONVOLATILE BETA	50	0.129	pCi/L	U	U	3.98	8.4
HAA018C	9/5/2019	NONVOLATILE BETA	50	-0.0166	pCi/L	U	U	0.932	2.02
HAA 14C	9/16/2019	NONVOLATILE BETA	50	-0.0868	pCi/L	U	U	4.17	9.67
HAA 8B	8/30/2019	NONVOLATILE BETA	50	-0.499	pCi/L	U	U	3.76	8.36
HAA 14C	9/16/2019	NONVOLATILE BETA	50	-0.584	pCi/L	U	U	4.18	9.51
HAA 10B	2/1/2019	NONVOLATILE BETA	50	-1.05	pCi/L	U	U	3.04	6.04
HAA 11B	8/30/2019	PH	NA	10.8	pH				
HAA 11B	2/1/2019	PH	NA	10.6	pH				
HAA 4B	9/16/2019	PH	NA	10.3	pH				
HAA 4B	2/11/2019	PH	NA	10.1	pH				
HAA 13B	8/30/2019	PH	NA	9.1	pH				
HAA 14B	2/11/2019	PH	NA	8.7	pH				
HAA 9B	8/30/2019	PH	NA	7.9	pH				
HAA 1A	8/30/2019	PH	NA	7.8	pH				
HAA 12B	8/30/2019	PH	NA	7.8	pH				
HAA 14B	9/16/2019	PH	NA	7.8	pH				
HAA 4C	2/11/2019	PH	NA	7.7	pH				
HAA 4C	9/16/2019	PH	NA	7.7	pH				
HAA 1C	2/1/2019	PH	NA	7.5	pH				
HAA 1C	8/30/2019	PH	NA	7.5	pH				
HAA 9B	2/1/2019	PH	NA	7.5	pH				
HAA 1A	2/1/2019	PH	NA	7.4	pH				
HAA 10B	8/30/2019	PH	NA	7.4	pH				
HAA 2B	8/30/2019	PH	NA	7.1	pH				
HAA 12B	2/1/2019	PH	NA	7	pH				
HAA 14C	9/16/2019	PH	NA	7	pH				
HAA 10B	2/1/2019	PH	NA	6.9	pH				
HAA 13B	2/8/2019	PH	NA	6.9	pH				
HAA019C	2/8/2019	PH	NA	6.9	pH				
HAA 2C	8/30/2019	PH	NA	6.8	pH				
HAA 2B	2/1/2019	PH	NA	6.7	pH				
HAA 13C	8/30/2019	PH	NA	6.7	pH				
HAA 15B	2/7/2019	PH	NA	6.7	pH				
HAA 15B	9/10/2019	PH	NA	6.7	pH				
HAA020C	2/1/2019	PH	NA	6.7	pH				
HAA019C	9/11/2019	PH	NA	6.6	pH				
HAA 13C	2/8/2019	PH	NA	6.4	pH				
HAA 14C	2/12/2019	PH	NA	6.4	pH				
HAA 15C	2/7/2019	PH	NA	6.4	pH				
HAA 15C	9/10/2019	PH	NA	6.4	pH				
HAA020C	8/30/2019	PH	NA	6.4	pH				
HAA020D	2/1/2019	PH	NA	6.4	pH				
HAA 7C	2/8/2019	PH	NA	6.2	pH				
HAA 7C	8/30/2019	PH	NA	6.1	pH				
HAA 7B	8/30/2019	PH	NA	6	pH				
HAA 11C	2/1/2019	PH	NA	6	pH				
HAA 15D	2/7/2019	PH	NA	6	pH				
HAA 8B	8/30/2019	PH	NA	5.9	pH				
HAA 7B	2/8/2019	PH	NA	5.8	pH				
HAA 9C	2/1/2019	PH	NA	5.8	pH				
HAA 11C	8/30/2019	PH	NA	5.8	pH				
HAA017C	2/14/2019	PH	NA	5.8	pH				
HAA017C	9/24/2019	PH	NA	5.8	pH				
HAA 9C	8/30/2019	PH	NA	5.7	pH				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 10C	8/30/2019	PH	NA	5.7	pH				
HAA 15D	9/10/2019	PH	NA	5.7	pH				
HAA017D	2/14/2019	PH	NA	5.7	pH				
HAA017D	9/24/2019	PH	NA	5.7	pH				
HAA019D	2/8/2019	PH	NA	5.7	pH				
HAA019D	9/11/2019	PH	NA	5.7	pH				
HAA 8B	2/8/2019	PH	NA	5.6	pH				
HAA 11D	8/30/2019	PH	NA	5.6	pH				
HAA018C	2/14/2019	PH	NA	5.6	pH				
HAA020D	8/30/2019	PH	NA	5.6	pH				
HAA021C	2/1/2019	PH	NA	5.6	pH				
HAA 10C	2/1/2019	PH	NA	5.5	pH				
HAA 13D	2/8/2019	PH	NA	5.5	pH				
HAA 1D	2/1/2019	PH	NA	5.4	pH				
HAA 1D	8/30/2019	PH	NA	5.4	pH				
HAA 13D	8/30/2019	PH	NA	5.4	pH				
HAA021D	2/1/2019	PH	NA	5.4	pH				
HAA 2C	2/1/2019	PH	NA	5.3	pH				
HAA 9D	2/1/2019	PH	NA	5.3	pH				
HAA018D	2/14/2019	PH	NA	5.3	pH				
HAA 9D	8/30/2019	PH	NA	5.2	pH				
HAA 12C	2/1/2019	PH	NA	5.2	pH				
HAA 14D	2/11/2019	PH	NA	5.2	pH				
HAA 14D	9/17/2019	PH	NA	5.2	pH				
HAA018C	9/5/2019	PH	NA	5.2	pH				
HAA 4D	2/11/2019	PH	NA	5.1	pH				
HAA 4D	9/16/2019	PH	NA	5.1	pH				
HAA 11D	2/1/2019	PH	NA	5.1	pH				
HAA 8C	8/30/2019	PH	NA	5	pH				
HAA 8D	2/8/2019	PH	NA	5	pH				
HAA 10D	2/8/2019	PH	NA	5	pH				
HAA 10D	8/30/2019	PH	NA	5	pH				
HAA021C	8/30/2019	PH	NA	5	pH				
HAA 7D	2/8/2019	PH	NA	4.8	pH				
HAA 12C	8/30/2019	PH	NA	4.8	pH				
HAA 12D	2/1/2019	PH	NA	4.8	pH				
HAA 8C	2/8/2019	PH	NA	4.7	pH				
HAA021D	8/30/2019	PH	NA	4.7	pH				
HAA 2D	2/1/2019	PH	NA	4.6	pH				
HAA 8D	8/30/2019	PH	NA	4.6	pH				
HAA018D	9/5/2019	PH	NA	4.6	pH				
HAA 7D	8/30/2019	PH	NA	4.5	pH				
HAA 12D	8/30/2019	PH	NA	4.5	pH				
HAA 2D	8/30/2019	PH	NA	4.4	pH				
HAA 11B	2/1/2019	SODIUM	NA	19200	ug/L	J	80	250	
HAA 8D	2/8/2019	SODIUM	NA	14500	ug/L		80	250	
HAA 10D	2/8/2019	SODIUM	NA	12700	ug/L		80	250	
HAA 10D	8/30/2019	SODIUM	NA	12400	ug/L		80	250	
HAA019D	2/8/2019	SODIUM	NA	8960	ug/L		80	250	
HAA019D	9/11/2019	SODIUM	NA	8190	ug/L		80	250	
HAA 7D	2/8/2019	SODIUM	NA	8070	ug/L		80	250	
HAA 8C	2/8/2019	SODIUM	NA	7340	ug/L		80	250	
HAA 15D	2/7/2019	SODIUM	NA	7220	ug/L		80	250	
HAA 8C	8/30/2019	SODIUM	NA	7060	ug/L		80	250	
HAA 9D	2/1/2019	SODIUM	NA	6930	ug/L		80	250	
HAA 13D	2/8/2019	SODIUM	NA	6830	ug/L		80	250	
HAA 11B	8/30/2019	SODIUM	NA	6830	ug/L	J	80	250	
HAA 2B	8/30/2019	SODIUM	NA	6570	ug/L		80	250	
HAA 2B	2/1/2019	SODIUM	NA	6380	ug/L		80	250	
HAA 8D	8/30/2019	SODIUM	NA	6070	ug/L		80	250	
HAA 15D	9/10/2019	SODIUM	NA	5850	ug/L		80	250	
HAA 11D	2/1/2019	SODIUM	NA	5340	ug/L	J	80	250	
HAA 9D	8/30/2019	SODIUM	NA	5240	ug/L		80	250	
HAA 10B	2/1/2019	SODIUM	NA	5000	ug/L	J	80	250	
HAA 12D	2/1/2019	SODIUM	NA	4890	ug/L		80	250	
HAA020D	2/1/2019	SODIUM	NA	4710	ug/L	J	80	250	
HAA021D	2/1/2019	SODIUM	NA	4510	ug/L	J	80	250	
HAA020D	8/30/2019	SODIUM	NA	4450	ug/L	J	80	250	
HAA 14B	9/16/2019	SODIUM	NA	4400	ug/L		80	250	
HAA 12D	8/30/2019	SODIUM	NA	4260	ug/L	J	80	250	
HAA 10B	2/1/2019	SODIUM	NA	4220	ug/L	J	80	250	
HAA021D	8/30/2019	SODIUM	NA	4220	ug/L	J	80	250	
HAA 13B	2/8/2019	SODIUM	NA	4130	ug/L		80	250	
HAA 14B	2/11/2019	SODIUM	NA	4060	ug/L		80	250	
HAA 14D	2/11/2019	SODIUM	NA	4040	ug/L		80	250	
HAA 4B	9/16/2019	SODIUM	NA	3830	ug/L		80	250	
HAA 12B	2/1/2019	SODIUM	NA	3820	ug/L		80	250	
HAA018D	9/5/2019	SODIUM	NA	3700	ug/L	J	80	250	
HAA018D	2/14/2019	SODIUM	NA	3660	ug/L		80	250	
HAA 13B	8/30/2019	SODIUM	NA	3610	ug/L	J	80	250	
HAA 12B	8/30/2019	SODIUM	NA	3580	ug/L	J	80	250	
HAA 9C	8/30/2019	SODIUM	NA	3570	ug/L		80	250	
HAA 2D	2/1/2019	SODIUM	NA	3560	ug/L		80	250	
HAA017D	2/14/2019	SODIUM	NA	3560	ug/L		80	250	
HAA 12C	2/1/2019	SODIUM	NA	3510	ug/L		80	250	

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 4D	2/11/2019	SODIUM	NA	3490	ug/L			80	250
HAA 12C	8/30/2019	SODIUM	NA	3460	ug/L	J		80	250
HAA 10C	2/1/2019	SODIUM	NA	3440	ug/L			80	250
HAA017D	9/24/2019	SODIUM	NA	3440	ug/L			80	250
HAA 15C	9/10/2019	SODIUM	NA	3380	ug/L			80	250
HAA 9C	2/1/2019	SODIUM	NA	3340	ug/L			80	250
HAA 10C	8/30/2019	SODIUM	NA	3260	ug/L			80	250
HAA 4D	9/16/2019	SODIUM	NA	3240	ug/L			80	250
HAA 4B	2/11/2019	SODIUM	NA	3180	ug/L			80	250
HAA021C	2/1/2019	SODIUM	NA	3110	ug/L	J		80	250
HAA 13D	8/30/2019	SODIUM	NA	3110	ug/L	J		80	250
HAA 10B	8/30/2019	SODIUM	NA	3030	ug/L			80	250
HAA 10B	8/30/2019	SODIUM	NA	2980	ug/L			80	250
HAA 15C	2/7/2019	SODIUM	NA	2970	ug/L			80	250
HAA020C	2/1/2019	SODIUM	NA	2860	ug/L	J		80	250
HAA 1D	2/1/2019	SODIUM	NA	2850	ug/L	J		80	250
HAA 9B	2/1/2019	SODIUM	NA	2840	ug/L			80	250
HAA021C	8/30/2019	SODIUM	NA	2780	ug/L	J		80	250
HAA 2D	8/30/2019	SODIUM	NA	2660	ug/L			80	250
HAA 7C	8/30/2019	SODIUM	NA	2650	ug/L			80	250
HAA 9B	8/30/2019	SODIUM	NA	2630	ug/L			80	250
HAA 7C	2/8/2019	SODIUM	NA	2610	ug/L			80	250
HAA020C	8/30/2019	SODIUM	NA	2610	ug/L	J		80	250
HAA 7B	8/30/2019	SODIUM	NA	2590	ug/L			80	250
HAA017C	9/24/2019	SODIUM	NA	2520	ug/L			80	250
HAA 1A	2/1/2019	SODIUM	NA	2510	ug/L	J		80	250
HAA 15B	9/10/2019	SODIUM	NA	2510	ug/L			80	250
HAA 14C	2/12/2019	SODIUM	NA	2500	ug/L			45	100
HAA017C	2/14/2019	SODIUM	NA	2490	ug/L			80	250
HAA 15B	2/7/2019	SODIUM	NA	2410	ug/L			80	250
HAA 13C	2/8/2019	SODIUM	NA	2410	ug/L			80	250
HAA 1A	8/30/2019	SODIUM	NA	2410	ug/L			80	250
HAA 7B	2/8/2019	SODIUM	NA	2400	ug/L			80	250
HAA 1C	2/1/2019	SODIUM	NA	2350	ug/L	J		80	250
HAA 1C	8/30/2019	SODIUM	NA	2320	ug/L			80	250
HAA 1D	8/30/2019	SODIUM	NA	2280	ug/L			80	250
HAA 13C	8/30/2019	SODIUM	NA	2150	ug/L	J		80	250
HAA019C	9/11/2019	SODIUM	NA	2150	ug/L			80	250
HAA 7D	8/30/2019	SODIUM	NA	2140	ug/L			80	250
HAA 11C	8/30/2019	SODIUM	NA	2140	ug/L	J		80	250
HAA 11C	2/1/2019	SODIUM	NA	2110	ug/L			80	250
HAA 14D	9/17/2019	SODIUM	NA	2090	ug/L			80	250
HAA 14C	9/16/2019	SODIUM	NA	2040	ug/L			20	200
HAA 14C	9/16/2019	SODIUM	NA	2020	ug/L			20	200
HAA 8B	2/8/2019	SODIUM	NA	2000	ug/L			80	250
HAA018C	2/14/2019	SODIUM	NA	1950	ug/L			80	250
HAA 11D	8/30/2019	SODIUM	NA	1940	ug/L	J		80	250
HAA 14C	2/12/2019	SODIUM	NA	1920	ug/L			80	250
HAA 2C	2/1/2019	SODIUM	NA	1900	ug/L			80	250
HAA 8B	2/8/2019	SODIUM	NA	1900	ug/L			45	100
HAA 2C	8/30/2019	SODIUM	NA	1890	ug/L			80	250
HAA019C	2/8/2019	SODIUM	NA	1880	ug/L			80	250
HAA018C	2/14/2019	SODIUM	NA	1880	ug/L			80	250
HAA 14C	9/16/2019	SODIUM	NA	1880	ug/L			80	250
HAA 8B	8/30/2019	SODIUM	NA	1870	ug/L			20	200
HAA 8B	8/30/2019	SODIUM	NA	1860	ug/L			80	250
HAA 4C	2/11/2019	SODIUM	NA	1760	ug/L			80	250
HAA018C	9/5/2019	SODIUM	NA	1750	ug/L	J		80	250
HAA018C	9/5/2019	SODIUM	NA	1750	ug/L	J		80	250
HAA 4C	9/16/2019	SODIUM	NA	1710	ug/L			80	250
HAA 11B	8/30/2019	SPECIFIC CONDUCTANCE	NA	278	uS/cm				
HAA 9B	2/1/2019	SPECIFIC CONDUCTANCE	NA	230	uS/cm				
HAA 9B	8/30/2019	SPECIFIC CONDUCTANCE	NA	224	uS/cm				
HAA 11B	2/1/2019	SPECIFIC CONDUCTANCE	NA	202	uS/cm				
HAA 10B	8/30/2019	SPECIFIC CONDUCTANCE	NA	187	uS/cm				
HAA 14B	2/11/2019	SPECIFIC CONDUCTANCE	NA	187	uS/cm				
HAA 14B	9/16/2019	SPECIFIC CONDUCTANCE	NA	180	uS/cm				
HAA 10B	2/1/2019	SPECIFIC CONDUCTANCE	NA	178	uS/cm				
HAA 13B	8/30/2019	SPECIFIC CONDUCTANCE	NA	161	uS/cm				
HAA 1A	8/30/2019	SPECIFIC CONDUCTANCE	NA	160	uS/cm				
HAA 1A	2/1/2019	SPECIFIC CONDUCTANCE	NA	158	uS/cm				
HAA 13B	2/8/2019	SPECIFIC CONDUCTANCE	NA	155	uS/cm				
HAA 12B	8/30/2019	SPECIFIC CONDUCTANCE	NA	147	uS/cm				
HAA 12B	2/1/2019	SPECIFIC CONDUCTANCE	NA	124	uS/cm				
HAA 4C	9/16/2019	SPECIFIC CONDUCTANCE	NA	119	uS/cm				
HAA 4B	9/16/2019	SPECIFIC CONDUCTANCE	NA	118	uS/cm				
HAA 4C	2/11/2019	SPECIFIC CONDUCTANCE	NA	118	uS/cm				
HAA 14C	9/16/2019	SPECIFIC CONDUCTANCE	NA	118	uS/cm				
HAA019C	2/8/2019	SPECIFIC CONDUCTANCE	NA	117	uS/cm				
HAA019C	9/11/2019	SPECIFIC CONDUCTANCE	NA	117	uS/cm				
HAA 4B	2/11/2019	SPECIFIC CONDUCTANCE	NA	112	uS/cm				
HAA 14C	2/12/2019	SPECIFIC CONDUCTANCE	NA	108	uS/cm				
HAA 1C	2/1/2019	SPECIFIC CONDUCTANCE	NA	105	uS/cm				
HAA 1C	8/30/2019	SPECIFIC CONDUCTANCE	NA	105	uS/cm				
HAA 4D	2/11/2019	SPECIFIC CONDUCTANCE	NA	93	uS/cm				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 4D	9/16/2019	SPECIFIC CONDUCTANCE	NA	93	uS/cm				
HAA019D	2/8/2019	SPECIFIC CONDUCTANCE	NA	92	uS/cm				
HAA 13C	8/30/2019	SPECIFIC CONDUCTANCE	NA	91	uS/cm				
HAA 13C	2/8/2019	SPECIFIC CONDUCTANCE	NA	88	uS/cm				
HAA 2B	2/1/2019	SPECIFIC CONDUCTANCE	NA	87	uS/cm				
HAA 2B	8/30/2019	SPECIFIC CONDUCTANCE	NA	87	uS/cm				
HAA 8D	2/8/2019	SPECIFIC CONDUCTANCE	NA	86	uS/cm				
HAA 10D	2/8/2019	SPECIFIC CONDUCTANCE	NA	81	uS/cm				
HAA 10D	8/30/2019	SPECIFIC CONDUCTANCE	NA	79	uS/cm				
HAA 15B	2/7/2019	SPECIFIC CONDUCTANCE	NA	70	uS/cm				
HAA 15B	9/10/2019	SPECIFIC CONDUCTANCE	NA	69	uS/cm				
HAA019D	9/11/2019	SPECIFIC CONDUCTANCE	NA	64	uS/cm				
HAA020C	2/1/2019	SPECIFIC CONDUCTANCE	NA	63	uS/cm				
HAA 7D	2/8/2019	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 8C	2/8/2019	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 8C	8/30/2019	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA020C	8/30/2019	SPECIFIC CONDUCTANCE	NA	56	uS/cm				
HAA 11D	2/1/2019	SPECIFIC CONDUCTANCE	NA	54	uS/cm				
HAA017C	2/14/2019	SPECIFIC CONDUCTANCE	NA	54	uS/cm				
HAA017C	9/24/2019	SPECIFIC CONDUCTANCE	NA	54	uS/cm				
HAA 8D	8/30/2019	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA 9C	8/30/2019	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA 12C	8/30/2019	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA018D	2/14/2019	SPECIFIC CONDUCTANCE	NA	53	uS/cm				
HAA 9C	2/1/2019	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA 12C	2/1/2019	SPECIFIC CONDUCTANCE	NA	52	uS/cm				
HAA 1D	2/1/2019	SPECIFIC CONDUCTANCE	NA	51	uS/cm				
HAA 7B	8/30/2019	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 11C	8/30/2019	SPECIFIC CONDUCTANCE	NA	50	uS/cm				
HAA 7D	8/30/2019	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
HAA 15D	2/7/2019	SPECIFIC CONDUCTANCE	NA	48	uS/cm				
HAA 7C	2/8/2019	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11D	8/30/2019	SPECIFIC CONDUCTANCE	NA	47	uS/cm				
HAA 11C	2/1/2019	SPECIFIC CONDUCTANCE	NA	46	uS/cm				
HAA 7C	8/30/2019	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 9D	2/1/2019	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 10C	8/30/2019	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 15D	9/10/2019	SPECIFIC CONDUCTANCE	NA	45	uS/cm				
HAA 13D	2/8/2019	SPECIFIC CONDUCTANCE	NA	44	uS/cm				
HAA 1D	8/30/2019	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 10C	2/1/2019	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 15C	2/7/2019	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 15C	9/10/2019	SPECIFIC CONDUCTANCE	NA	43	uS/cm				
HAA 12D	2/1/2019	SPECIFIC CONDUCTANCE	NA	42	uS/cm				
HAA 12D	8/30/2019	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA021D	2/1/2019	SPECIFIC CONDUCTANCE	NA	41	uS/cm				
HAA018D	9/5/2019	SPECIFIC CONDUCTANCE	NA	40	uS/cm				
HAA 9D	8/30/2019	SPECIFIC CONDUCTANCE	NA	39	uS/cm				
HAA 7B	2/8/2019	SPECIFIC CONDUCTANCE	NA	38	uS/cm				
HAA 14D	2/11/2019	SPECIFIC CONDUCTANCE	NA	38	uS/cm				
HAA 8B	8/30/2019	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA020D	2/1/2019	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA021D	8/30/2019	SPECIFIC CONDUCTANCE	NA	37	uS/cm				
HAA 8B	2/8/2019	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA020D	8/30/2019	SPECIFIC CONDUCTANCE	NA	36	uS/cm				
HAA 13D	8/30/2019	SPECIFIC CONDUCTANCE	NA	35	uS/cm				
HAA017D	2/14/2019	SPECIFIC CONDUCTANCE	NA	35	uS/cm				
HAA 14D	9/17/2019	SPECIFIC CONDUCTANCE	NA	34	uS/cm				
HAA017D	9/24/2019	SPECIFIC CONDUCTANCE	NA	33	uS/cm				
HAA 2D	2/1/2019	SPECIFIC CONDUCTANCE	NA	32	uS/cm				
HAA 2D	8/30/2019	SPECIFIC CONDUCTANCE	NA	31	uS/cm				
HAA018C	2/14/2019	SPECIFIC CONDUCTANCE	NA	26	uS/cm				
HAA021C	2/1/2019	SPECIFIC CONDUCTANCE	NA	26	uS/cm				
HAA021C	8/30/2019	SPECIFIC CONDUCTANCE	NA	25	uS/cm				
HAA018C	9/5/2019	SPECIFIC CONDUCTANCE	NA	24	uS/cm				
HAA 2C	8/30/2019	SPECIFIC CONDUCTANCE	NA	22	uS/cm				
HAA 2C	2/1/2019	SPECIFIC CONDUCTANCE	NA	19	uS/cm				
HAA 15C	2/7/2019	TECHNETIUM-99	900	12	pCi/L	J	J	8.59	19.1
HAA 15B	9/10/2019	TECHNETIUM-99	900	11.5	pCi/L	U	U	14.5	32.5
HAA 12C	8/30/2019	TECHNETIUM-99	900	10.1	pCi/L	U	U	19.9	43.5
HAA 15C	2/7/2019	TECHNETIUM-99	900	7.9	pCi/L	U	U	8.29	18.3
HAA 10D	2/8/2019	TECHNETIUM-99	900	7.28	pCi/L	U	U	8.2	18.1
HAA020D	2/1/2019	TECHNETIUM-99	900	5.97	pCi/L	U	U	6.93	15.3
HAA 7C	2/8/2019	TECHNETIUM-99	900	5.58	pCi/L	U	U	8.18	18
HAA 15B	9/10/2019	TECHNETIUM-99	900	5.04	pCi/L	U	U	17.2	36.9
HAA 10B	2/1/2019	TECHNETIUM-99	900	5	pCi/L	U	U	8.33	18.3
HAA 8B	2/8/2019	TECHNETIUM-99	900	4.85	pCi/L	U	U	8.36	18.4
HAA 13B	2/8/2019	TECHNETIUM-99	900	4.78	pCi/L	U	U	9.14	20
HAA 1A	8/30/2019	TECHNETIUM-99	900	4.75	pCi/L	U	U	23	50
HAA 15D	9/10/2019	TECHNETIUM-99	900	4.67	pCi/L	U	U	14.9	32
HAA 2D	8/30/2019	TECHNETIUM-99	900	4.62	pCi/L	U	U	22.7	49.3
HAA019D	9/11/2019	TECHNETIUM-99	900	4.53	pCi/L	U	U	14.7	31.6
HAA017C	2/14/2019	TECHNETIUM-99	900	4.46	pCi/L	U	U	9.75	21.3
HAA 15B	2/7/2019	TECHNETIUM-99	900	4.43	pCi/L	U	U	9.49	20.8
HAA 4D	2/11/2019	TECHNETIUM-99	900	4.35	pCi/L	U	U	8.44	18.5

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 15C	9/10/2019	TECHNETIUM-99	900	3.97	pCi/L	U	U	24.4	53
HAA 10D	8/30/2019	TECHNETIUM-99	900	3.94	pCi/L	U	U	20.1	43.7
HAA 1D	2/1/2019	TECHNETIUM-99	900	3.89	pCi/L	U	U	6.8	14.9
HAA021D	2/1/2019	TECHNETIUM-99	900	3.74	pCi/L	U	U	6.82	14.9
HAA 12C	8/30/2019	TECHNETIUM-99	900	3.68	pCi/L	U	U	20	43.4
HAA019C	9/11/2019	TECHNETIUM-99	900	3.52	pCi/L	U	U	15.2	32.3
HAA 12C	2/1/2019	TECHNETIUM-99	900	3.41	pCi/L	U	U	8.35	18.2
HAA 13D	2/8/2019	TECHNETIUM-99	900	3.41	pCi/L	U	U	8.38	18.2
HAA 7B	2/8/2019	TECHNETIUM-99	900	3.37	pCi/L	U	U	8.41	18.4
HAA 14B	2/11/2019	TECHNETIUM-99	900	3.15	pCi/L	U	U	8.25	17.9
HAA 14C	2/12/2019	TECHNETIUM-99	900	3.07	pCi/L	U	U	8.85	19.2
HAA 13C	2/8/2019	TECHNETIUM-99	900	2.99	pCi/L	U	U	9.05	19.6
HAA 8D	8/30/2019	TECHNETIUM-99	900	2.71	pCi/L	U	U	20.7	44.9
HAA018D	2/14/2019	TECHNETIUM-99	900	2.25	pCi/L	U	U	7.69	16.8
HAA 12B	8/30/2019	TECHNETIUM-99	900	2.23	pCi/L	U	U	20.6	44.4
HAA 8C	2/8/2019	TECHNETIUM-99	900	2.14	pCi/L	U	U	8.31	17.9
HAA 4B	2/11/2019	TECHNETIUM-99	900	1.94	pCi/L	U	U	8.51	18.3
HAA021C	2/1/2019	TECHNETIUM-99	900	1.84	pCi/L	U	U	7.42	16.2
HAA 4C	2/11/2019	TECHNETIUM-99	900	1.84	pCi/L	U	U	8.42	18.1
HAA 9C	2/1/2019	TECHNETIUM-99	900	1.77	pCi/L	U	U	8.8	19
HAA 13B	8/30/2019	TECHNETIUM-99	900	1.72	pCi/L	U	U	20.4	44
HAA 10B	8/30/2019	TECHNETIUM-99	900	1.52	pCi/L	U	U	20.5	44.3
HAA 2B	2/1/2019	TECHNETIUM-99	900	1.49	pCi/L	U	U	8.91	19.2
HAA 9D	2/1/2019	TECHNETIUM-99	900	1.32	pCi/L	U	U	8.96	19.3
HAA 11D	2/1/2019	TECHNETIUM-99	900	1.32	pCi/L	U	U	6.49	14.1
HAA 14D	2/11/2019	TECHNETIUM-99	900	1.23	pCi/L	U	U	8.79	18.8
HAA020D	8/30/2019	TECHNETIUM-99	900	1.13	pCi/L	U	U	19.9	42.9
HAA 12B	2/1/2019	TECHNETIUM-99	900	1.04	pCi/L	U	U	7.46	16.1
HAA021C	8/30/2019	TECHNETIUM-99	900	0.973	pCi/L	U	U	19.9	42.9
HAA020C	2/1/2019	TECHNETIUM-99	900	0.76	pCi/L	U	U	6.72	14.6
HAA 10B	2/1/2019	TECHNETIUM-99	900	0.655	pCi/L	U	U	7.01	15.2
HAA 8D	2/8/2019	TECHNETIUM-99	900	0.607	pCi/L	U	U	7.76	16.5
HAA018C	9/5/2019	TECHNETIUM-99	900	0.535	pCi/L	U	U	19.5	41.9
HAA 2B	8/30/2019	TECHNETIUM-99	900	0.423	pCi/L	U	U	21.5	46.5
HAA 15D	2/7/2019	TECHNETIUM-99	900	0.333	pCi/L	U	U	8.3	18
HAA 11B	2/1/2019	TECHNETIUM-99	900	0.306	pCi/L	U	U	7.08	15.4
HAA 8B	8/30/2019	TECHNETIUM-99	900	0.248	pCi/L	U	U	4.46	9.76
HAA 7D	2/8/2019	TECHNETIUM-99	900	0.225	pCi/L	U	U	8.41	17.9
HAA019D	2/8/2019	TECHNETIUM-99	900	0.156	pCi/L	U	U	7.99	17.4
HAA 10C	2/1/2019	TECHNETIUM-99	900	-0.000873	pCi/L	U	U	8.03	17.1
HAA 4C	9/16/2019	TECHNETIUM-99	900	-0.0657	pCi/L	U	U	17.3	36.4
HAA 2D	2/1/2019	TECHNETIUM-99	900	-0.0817	pCi/L	U	U	9.31	19.9
HAA 4B	9/16/2019	TECHNETIUM-99	900	-0.138	pCi/L	U	U	17.2	36.1
HAA019C	2/8/2019	TECHNETIUM-99	900	-0.337	pCi/L	U	U	8.04	17.4
HAA 14C	9/16/2019	TECHNETIUM-99	900	-0.353	pCi/L	U	U	16.2	34.1
HAA 10B	2/1/2019	TECHNETIUM-99	900	-0.366	pCi/L	U	U	6.54	14.2
HAA017D	2/14/2019	TECHNETIUM-99	900	-0.569	pCi/L	U	U	8.74	18.6
HAA 11C	2/1/2019	TECHNETIUM-99	900	-0.632	pCi/L	U	U	9.75	20.7
HAA017C	9/24/2019	TECHNETIUM-99	900	-0.902	pCi/L	U	U	21.7	46.7
HAA 1C	2/1/2019	TECHNETIUM-99	900	-0.986	pCi/L	U	U	6.62	14.3
HAA 8B	2/8/2019	TECHNETIUM-99	900	-1.04	pCi/L	U	U	1.69	3.598
HAA 14C	9/16/2019	TECHNETIUM-99	900	-1.27	pCi/L	U	U	4.73	10.3
HAA 14C	2/12/2019	TECHNETIUM-99	900	-1.31	pCi/L	U	U	1.85	3.89
HAA 7D	2/8/2019	TECHNETIUM-99	900	-1.34	pCi/L	U	U	9.47	19.9
HAA 8B	2/8/2019	TECHNETIUM-99	900	-1.454	pCi/L	U	U	1.9	4.02
HAA 11B	8/30/2019	TECHNETIUM-99	900	-1.79	pCi/L	U	U	20.9	44.7
HAA 12D	2/1/2019	TECHNETIUM-99	900	-1.95	pCi/L	U	U	8.79	18.5
HAA 1A	2/1/2019	TECHNETIUM-99	900	-2.06	pCi/L	U	U	6.62	14.3
HAA 9D	8/30/2019	TECHNETIUM-99	900	-2.19	pCi/L	U	U	22.1	47.7
HAA 13C	8/30/2019	TECHNETIUM-99	900	-2.21	pCi/L	U	U	19.4	41.6
HAA020C	8/30/2019	TECHNETIUM-99	900	-2.34	pCi/L	U	U	20.6	44.2
HAA 4C	9/16/2019	TECHNETIUM-99	900	-2.67	pCi/L	U	U	16.8	34.9
HAA017D	9/24/2019	TECHNETIUM-99	900	-2.68	pCi/L	U	U	23	49.4
HAA 14B	9/16/2019	TECHNETIUM-99	900	-2.7	pCi/L	U	U	17	35.3
HAA 2C	2/1/2019	TECHNETIUM-99	900	-2.77	pCi/L	U	U	7.22	15.3
HAA 9B	8/30/2019	TECHNETIUM-99	900	-2.78	pCi/L	U	U	21.7	46.7
HAA 2C	8/30/2019	TECHNETIUM-99	900	-3.07	pCi/L	U	U	21.8	47
HAA 1D	8/30/2019	TECHNETIUM-99	900	-3.31	pCi/L	U	U	24.5	52.7
HAA 12D	8/30/2019	TECHNETIUM-99	900	-3.31	pCi/L	U	U	20.6	44
HAA 7C	8/30/2019	TECHNETIUM-99	900	-3.33	pCi/L	U	U	21.9	47.1
HAA 8B	8/30/2019	TECHNETIUM-99	900	-3.37	pCi/L	U	U	22.1	47.5
HAA 14D	9/17/2019	TECHNETIUM-99	900	-3.41	pCi/L	U	U	18	37.2
HAA 9B	2/1/2019	TECHNETIUM-99	900	-3.87	pCi/L	U	U	8.91	18.6
HAA 11D	8/30/2019	TECHNETIUM-99	900	-3.97	pCi/L	U	U	19.8	42.2
HAA 10C	2/1/2019	TECHNETIUM-99	900	-4.21	pCi/L	U	U	9.41	19.6
HAA 7D	8/30/2019	TECHNETIUM-99	900	-4.37	pCi/L	U	U	22.7	48.9
HAA 10B	8/30/2019	TECHNETIUM-99	900	-4.65	pCi/L	U	U	21.4	46
HAA 8C	8/30/2019	TECHNETIUM-99	900	-4.67	pCi/L	U	U	21.4	46
HAA 4D	9/16/2019	TECHNETIUM-99	900	-4.72	pCi/L	U	U	17	35
HAA 9C	8/30/2019	TECHNETIUM-99	900	-4.73	pCi/L	U	U	22.2	47.6
HAA021D	8/30/2019	TECHNETIUM-99	900	-5.03	pCi/L	U	U	19.7	42.1
HAA018D	9/5/2019	TECHNETIUM-99	900	-5.47	pCi/L	U	U	19.7	41.9
HAA 1C	8/30/2019	TECHNETIUM-99	900	-5.94	pCi/L	U	U	22.8	48.8
HAA018C	2/14/2019	TECHNETIUM-99	900	-6.76	pCi/L	U	U	8.58	18.3
HAA 7B	8/30/2019	TECHNETIUM-99	900	-6.79	pCi/L	U	U	22.6	48.4

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA018C	2/14/2019	TECHNETIUM-99	900	-6.89	pCi/L	U	U	8.57	18.3
HAA 2C	8/30/2019	TECHNETIUM-99	900	-7.7	pCi/L	U	U	21.7	46.5
HAA 13D	8/30/2019	TECHNETIUM-99	900	-8.14	pCi/L	U	U	19.9	42.1
HAA 10C	8/30/2019	TECHNETIUM-99	900	-10	pCi/L	U	U	21.2	45.2
HAA018C	9/5/2019	TECHNETIUM-99	900	-10.6	pCi/L	U	U	20.8	44
HAA 11C	8/30/2019	TECHNETIUM-99	900	-12	pCi/L	U	U	20.4	43
HAA 9B	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	157	mg/L				
HAA 11B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	103	mg/L				
HAA 4B	2/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	102	mg/L				
HAA 9B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	101	mg/L				
HAA 11B	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	97	mg/L				
HAA 4B	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	78	mg/L				
HAA 1A	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	75	mg/L				
HAA 12B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	75	mg/L				
HAA 14B	2/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	75	mg/L				
HAA 1A	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	66	mg/L				
HAA 13B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	66	mg/L				
HAA 10B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	65	mg/L				
HAA 1C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	60	mg/L				
HAA 14B	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	58	mg/L				
HAA 1C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	53	mg/L				
HAA 4C	2/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	53	mg/L				
HAA 14C	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	50	mg/L				
HAA 10B	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	48	mg/L				
HAA 13B	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	45	mg/L				
HAA 4C	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	43	mg/L				
HAA 13C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	43	mg/L				
HAA 12B	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	42	mg/L				
HAA019C	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	42	mg/L				
HAA 14C	2/12/2019	TOTAL ALKALINITY (AS CACO3)	NA	35	mg/L				
HAA019C	9/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	35	mg/L				
HAA 2B	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	34	mg/L				
HAA 2B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	32	mg/L				
HAA 7C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	30	mg/L				
HAA 13C	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	25	mg/L				
HAA020C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	25	mg/L				
HAA 11C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	22	mg/L				
HAA 15B	2/7/2019	TOTAL ALKALINITY (AS CACO3)	NA	18	mg/L				
HAA 15B	9/10/2019	TOTAL ALKALINITY (AS CACO3)	NA	18	mg/L				
HAA020C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	18	mg/L				
HAA019D	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	17	mg/L				
HAA017C	9/24/2019	TOTAL ALKALINITY (AS CACO3)	NA	15	mg/L				
HAA 2C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 15C	9/10/2019	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA017D	2/14/2019	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA019D	9/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	12	mg/L				
HAA 9C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	11	mg/L				
HAA 7C	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 15C	2/7/2019	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA017C	2/14/2019	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA017D	9/24/2019	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA018D	2/14/2019	TOTAL ALKALINITY (AS CACO3)	NA	10	mg/L				
HAA 7B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
HAA 8B	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	9	mg/L				
HAA 1D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA 15D	2/7/2019	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA 15D	9/10/2019	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L				
HAA 10C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
HAA 11C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	7	mg/L				
HAA 1D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 7B	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 13D	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA018C	2/14/2019	TOTAL ALKALINITY (AS CACO3)	NA	6	mg/L				
HAA 9C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA 9D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA020D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L				
HAA 8B	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
HAA 10C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L				
HAA 2C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 12C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 13D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA018C	9/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA020D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	3	mg/L				
HAA 11D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA021C	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L				
HAA 8D	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L				
HAA 2D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 2D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	2/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 4D	9/16/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 7D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8C	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 8D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 9D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 10D	2/8/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 10D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 11D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	2/11/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 14D	9/17/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA018D	9/5/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA021C	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA021D	2/1/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA021D	8/30/2019	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L				
HAA 12C	2/1/2019	TRITIUM	20	47.1	pCi/mL			0.451	2.95
HAA 12C	8/30/2019	TRITIUM	20	44.7	pCi/mL			0.416	2.91
HAA 13D	8/30/2019	TRITIUM	20	8.66	pCi/mL			0.418	1.6
HAA 12D	8/30/2019	TRITIUM	20	8.62	pCi/mL			0.418	1.6
HAA 12D	2/1/2019	TRITIUM	20	7.57	pCi/mL			0.452	1.56
HAA 11D	2/1/2019	TRITIUM	20	7.46	pCi/mL			0.45	1.55
HAA 14D	9/17/2019	TRITIUM	20	7.05	pCi/mL			0.391	1.43
HAA 13D	2/8/2019	TRITIUM	20	6.55	pCi/mL			0.426	1.48
HAA 11D	8/30/2019	TRITIUM	20	6.49	pCi/mL			0.42	1.47
HAA 10D	2/8/2019	TRITIUM	20	6.11	pCi/mL			0.411	1.41
HAA 8D	8/30/2019	TRITIUM	20	5.6	pCi/mL			0.436	1.44
HAA 9D	2/1/2019	TRITIUM	20	5.36	pCi/mL			0.449	1.42
HAA 4D	9/16/2019	TRITIUM	20	5.35	pCi/mL			0.396	1.34
HAA 4D	2/11/2019	TRITIUM	20	5.34	pCi/mL			0.419	1.38
HAA 10D	8/30/2019	TRITIUM	20	5.32	pCi/mL			0.419	1.39
HAA 8D	2/8/2019	TRITIUM	20	5.19	pCi/mL			0.416	1.36
HAA 14D	2/11/2019	TRITIUM	20	4.95	pCi/mL			0.416	1.35
HAA 9D	8/30/2019	TRITIUM	20	4.75	pCi/mL			0.432	1.37
HAA 7D	2/8/2019	TRITIUM	20	3.96	pCi/mL			0.421	1.29
HAA 15D	9/10/2019	TRITIUM	20	3.86	pCi/mL			0.39	1.22
HAA 15D	2/7/2019	TRITIUM	20	3.86	pCi/mL			0.394	1.23
HAA 4B	2/11/2019	TRITIUM	20	3.59	pCi/mL			0.414	1.24
HAA 4B	9/16/2019	TRITIUM	20	3.43	pCi/mL			0.394	1.2
HAA 7D	8/30/2019	TRITIUM	20	3.3	pCi/mL			0.434	1.27
HAA 10C	2/1/2019	TRITIUM	20	3.23	pCi/mL			0.453	1.28
HAA017D	2/14/2019	TRITIUM	20	3.19	pCi/mL			0.398	1.19
HAA017D	9/24/2019	TRITIUM	20	3.19	pCi/mL			0.43	1.25
HAA 2D	8/30/2019	TRITIUM	20	3.17	pCi/mL			0.434	1.25
HAA021D	2/1/2019	TRITIUM	20	2.91	pCi/mL			0.394	1.15
HAA 4C	9/16/2019	TRITIUM	20	2.81	pCi/mL			0.395	1.15
HAA021D	8/30/2019	TRITIUM	20	2.75	pCi/mL			0.419	1.2
HAA020D	8/30/2019	TRITIUM	20	2.74	pCi/mL			0.423	1.2
HAA021D	2/1/2019	TRITIUM	20	2.69	pCi/mL			0.396	1.14
HAA020D	2/1/2019	TRITIUM	20	2.67	pCi/mL			0.452	1.23
HAA 10C	8/30/2019	TRITIUM	20	2.66	pCi/mL			0.417	1.18
HAA 2D	2/1/2019	TRITIUM	20	2.5	pCi/mL			0.453	1.22
HAA018D	9/5/2019	TRITIUM	20	2.44	pCi/mL			0.465	1.28
HAA019D	9/11/2019	TRITIUM	20	2.3	pCi/mL			0.423	1.17
HAA 1D	2/1/2019	TRITIUM	20	2.03	pCi/mL			0.458	1.2
HAA018D	2/14/2019	TRITIUM	20	2.01	pCi/mL			0.402	1.09
HAA019D	2/8/2019	TRITIUM	20	1.93	pCi/mL			0.413	1.1
HAA 13B	2/8/2019	TRITIUM	20	1.69	pCi/mL			0.413	1.08
HAA021C	2/1/2019	TRITIUM	20	1.62	pCi/mL			0.453	1.15
HAA 11B	2/1/2019	TRITIUM	20	1.59	pCi/mL			0.453	1.14
HAA 15C	9/10/2019	TRITIUM	20	1.53	pCi/mL			0.392	1.02
HAA 15C	2/7/2019	TRITIUM	20	1.53	pCi/mL			0.392	1.02
HAA021C	8/30/2019	TRITIUM	20	1.45	pCi/mL			0.415	1.06
HAA 1D	8/30/2019	TRITIUM	20	1.39	pCi/mL			0.442	1.11
HAA 8C	2/8/2019	TRITIUM	20	1.34	pCi/mL			0.417	1.05
HAA 13B	8/30/2019	TRITIUM	20	1.34	pCi/mL			0.423	1.07
HAA 9C	2/1/2019	TRITIUM	20	1.3	pCi/mL			0.395	1.01
HAA 9C	8/30/2019	TRITIUM	20	1.18	pCi/mL			0.435	1.08
HAA 1A	2/1/2019	TRITIUM	20	1.16	pCi/mL			0.451	1.1
HAA 8C	8/30/2019	TRITIUM	20	1.05	pCi/mL	J	J	0.432	1.06
HAA 1A	2/1/2019	TRITIUM	20	0.993	pCi/mL	J	J	0.453	1.09
HAA 11B	8/30/2019	TRITIUM	20	0.953	pCi/mL	J	J	0.414	1.01
HAA 1A	8/30/2019	TRITIUM	20	0.917	pCi/mL	J	J	0.432	1.04
HAA 2C	8/30/2019	TRITIUM	20	0.903	pCi/mL	J	J	0.439	1.05
HAA 11C	8/30/2019	TRITIUM	20	0.852	pCi/mL	J	J	0.419	1.01
HAA 2C	2/1/2019	TRITIUM	20	0.843	pCi/mL	J	J	0.453	1.07
HAA020C	8/30/2019	TRITIUM	20	0.81	pCi/mL	J	J	0.417	1
HAA 11C	2/1/2019	TRITIUM	20	0.803	pCi/mL	J	J	0.453	1.07
HAA 15B	9/10/2019	TRITIUM	20	0.673	pCi/mL	J	J	0.394	0.934
HAA020C	2/1/2019	TRITIUM	20	0.665	pCi/mL	J	J	0.452	1.05
HAA 13C	2/8/2019	TRITIUM	20	0.573	pCi/mL	J	J	0.414	0.964
HAA 15B	2/7/2019	TRITIUM	20	0.57	pCi/mL	J	J	0.392	0.917
HAA 14B	9/16/2019	TRITIUM	20	0.549	pCi/mL	J	J	0.397	0.924
HAA 13C	8/30/2019	TRITIUM	20	0.545	pCi/mL	J	J	0.415	0.963
HAA 10B	2/1/2019	TRITIUM	20	0.513	pCi/mL	J	J	0.454	1.04
HAA 12B	8/30/2019	TRITIUM	20	0.455	pCi/mL	J	J	0.415	0.952
HAA 10B	2/1/2019	TRITIUM	20	0.448	pCi/mL	U	U	0.453	1.03
HAA 15B	9/10/2019	TRITIUM	20	0.388	pCi/mL	U	U	0.4	0.911

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA019C	2/8/2019	TRITIUM	20	0.365	pCi/mL	U	U	0.415	0.939
HAA 14C	9/16/2019	TRITIUM	20	0.33	pCi/mL	U	U	0.587	1.29
HAA 14B	2/11/2019	TRITIUM	20	0.322	pCi/mL	U	U	0.417	0.94
HAA 14C	2/12/2019	TRITIUM	20	0.306	pCi/mL	U	U	0.397	0.894
HAA 14C	2/12/2019	TRITIUM	20	0.302	pCi/mL	U	U	0.378	0.854
HAA019C	9/11/2019	TRITIUM	20	0.284	pCi/mL	U	U	0.391	0.878
HAA 14C	2/12/2019	TRITIUM	20	0.26	pCi/mL	U	U	0.395	0.884
HAA 14C	9/16/2019	TRITIUM	20	0.224	pCi/mL	U	U	0.393	0.875
HAA 12B	2/1/2019	TRITIUM	20	0.217	pCi/mL	U	U	0.448	0.992
HAA019C	2/8/2019	TRITIUM	20	0.165	pCi/mL	U	U	0.415	0.915
HAA 4C	2/11/2019	TRITIUM	20	0.156	pCi/mL	U	U	0.433	0.953
HAA 2B	2/1/2019	TRITIUM	20	0.149	pCi/mL	U	U	0.453	0.995
HAA 1C	8/30/2019	TRITIUM	20	0.149	pCi/mL	U	U	0.433	0.952
HAA 2B	8/30/2019	TRITIUM	20	0.147	pCi/mL	U	U	0.434	0.953
HAA018C	2/14/2019	TRITIUM	20	0.122	pCi/mL	U	U	0.395	0.866
HAA 10B	8/30/2019	TRITIUM	20	0.116	pCi/mL	U	U	0.426	0.932
HAA 7B	8/30/2019	TRITIUM	20	0.114	pCi/mL	U	U	0.428	0.937
HAA 10B	8/30/2019	TRITIUM	20	0.0979	pCi/mL	U	U	0.413	0.901
HAA018C	9/5/2019	TRITIUM	20	0.0806	pCi/mL	U	U	0.383	0.835
HAA 10B	8/30/2019	TRITIUM	20	0.06	pCi/mL	U	U	0.432	0.939
HAA 7B	2/8/2019	TRITIUM	20	0.0563	pCi/mL	U	U	0.416	0.903
HAA018C	9/5/2019	TRITIUM	20	0.0548	pCi/mL	U	U	0.391	0.847
HAA 1C	2/1/2019	TRITIUM	20	0.0412	pCi/mL	U	U	0.452	0.982
HAA 7C	2/8/2019	TRITIUM	20	0.0403	pCi/mL	U	U	0.417	0.903
HAA017C	9/24/2019	TRITIUM	20	0.022	pCi/mL	U	U	0.434	0.937
HAA 9B	8/30/2019	TRITIUM	20	0.0199	pCi/mL	U	U	0.43	0.929
HAA 8B	8/30/2019	TRITIUM	20	0.015	pCi/mL	U	U	0.432	0.933
HAA 8B	2/8/2019	TRITIUM	20	0.00818	pCi/mL	U	U	0.423	0.912
HAA 7C	8/30/2019	TRITIUM	20	0.00169	pCi/mL	U	U	0.439	0.945
HAA 9B	2/1/2019	TRITIUM	20	-0.0222	pCi/mL	U	U	0.452	0.973
HAA018C	2/14/2019	TRITIUM	20	-0.0398	pCi/mL	U	U	0.393	0.839
HAA017C	2/14/2019	TRITIUM	20	-0.0511	pCi/mL	U	U	0.394	0.839
HAA 8B	8/30/2019	TRITIUM	20	-0.082	pCi/mL	U	U	0.593	1.23
HAA 8B	2/8/2019	TRITIUM	20	-0.117	pCi/mL	U	U	0.376	0.776
HAA 8B	2/8/2019	TRITIUM	20	-0.1275	pCi/mL	U	U	0.378	0.776
HAA 8B	8/30/2019	TRITIUM	20	-0.232	pCi/mL	U	U	0.596	1.2
HAA018D	9/5/2019	TURBIDITY	NA	299	NTU				
HAA020D	2/1/2019	TURBIDITY	NA	57.3	NTU				
HAA 11B	2/1/2019	TURBIDITY	NA	30.1	NTU				
HAA 11B	8/30/2019	TURBIDITY	NA	19.2	NTU				
HAA020D	8/30/2019	TURBIDITY	NA	16.9	NTU				
HAA 13D	2/8/2019	TURBIDITY	NA	14.8	NTU				
HAA019D	9/11/2019	TURBIDITY	NA	12.4	NTU				
HAA 13D	8/30/2019	TURBIDITY	NA	11.8	NTU				
HAA 1D	8/30/2019	TURBIDITY	NA	9.4	NTU				
HAA017D	2/14/2019	TURBIDITY	NA	8.6	NTU				
HAA 1D	2/1/2019	TURBIDITY	NA	8	NTU				
HAA018D	2/14/2019	TURBIDITY	NA	7.7	NTU				
HAA 13B	2/8/2019	TURBIDITY	NA	5.4	NTU				
HAA 4D	2/11/2019	TURBIDITY	NA	5.1	NTU				
HAA017D	9/24/2019	TURBIDITY	NA	4.3	NTU				
HAA017C	2/14/2019	TURBIDITY	NA	4.2	NTU				
HAA 4D	9/16/2019	TURBIDITY	NA	4.1	NTU				
HAA 7D	2/8/2019	TURBIDITY	NA	4.1	NTU				
HAA017C	9/24/2019	TURBIDITY	NA	3.8	NTU				
HAA021D	2/1/2019	TURBIDITY	NA	3.5	NTU				
HAA 15B	9/10/2019	TURBIDITY	NA	3.2	NTU				
HAA 10C	2/1/2019	TURBIDITY	NA	3.1	NTU				
HAA 14D	9/17/2019	TURBIDITY	NA	2.9	NTU				
HAA021D	8/30/2019	TURBIDITY	NA	2.8	NTU				
HAA 15B	2/7/2019	TURBIDITY	NA	2.7	NTU				
HAA 10B	2/1/2019	TURBIDITY	NA	2.3	NTU				
HAA 15D	2/7/2019	TURBIDITY	NA	2.3	NTU				
HAA 4B	9/16/2019	TURBIDITY	NA	2.1	NTU				
HAA 12B	8/30/2019	TURBIDITY	NA	2.1	NTU				
HAA019D	2/8/2019	TURBIDITY	NA	2	NTU				
HAA 2B	2/1/2019	TURBIDITY	NA	1.8	NTU				
HAA 4B	2/11/2019	TURBIDITY	NA	1.8	NTU				
HAA 8C	8/30/2019	TURBIDITY	NA	1.8	NTU				
HAA 2B	8/30/2019	TURBIDITY	NA	1.6	NTU				
HAA 2D	8/30/2019	TURBIDITY	NA	1.6	NTU				
HAA 2D	2/1/2019	TURBIDITY	NA	1.5	NTU				
HAA 15D	9/10/2019	TURBIDITY	NA	1.5	NTU				
HAA 14B	2/11/2019	TURBIDITY	NA	1.3	NTU				
HAA 8D	2/8/2019	TURBIDITY	NA	1.2	NTU				
HAA 14D	2/11/2019	TURBIDITY	NA	1.2	NTU				
HAA 4C	9/16/2019	TURBIDITY	NA	1.1	NTU				
HAA 13C	2/8/2019	TURBIDITY	NA	1.1	NTU				
HAA019C	9/11/2019	TURBIDITY	NA	1.1	NTU				
HAA 4C	2/11/2019	TURBIDITY	NA	1	NTU				
HAA 9B	8/30/2019	TURBIDITY	NA	1	NTU				
HAA 10B	8/30/2019	TURBIDITY	NA	1	NTU				
HAA 2C	2/1/2019	TURBIDITY	NA	0.9	NTU				
HAA 12B	2/1/2019	TURBIDITY	NA	0.9	NTU				
HAA 14B	9/16/2019	TURBIDITY	NA	0.9	NTU				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA021C	2/1/2019	TURBIDITY	NA	0.9	NTU				
HAA 1C	2/1/2019	TURBIDITY	NA	0.8	NTU				
HAA 2C	8/30/2019	TURBIDITY	NA	0.8	NTU				
HAA 7B	8/30/2019	TURBIDITY	NA	0.8	NTU				
HAA 10D	2/8/2019	TURBIDITY	NA	0.8	NTU				
HAA 12D	2/1/2019	TURBIDITY	NA	0.8	NTU				
HAA 15C	2/7/2019	TURBIDITY	NA	0.8	NTU				
HAA 9C	8/30/2019	TURBIDITY	NA	0.7	NTU				
HAA 13B	8/30/2019	TURBIDITY	NA	0.7	NTU				
HAA 15C	9/10/2019	TURBIDITY	NA	0.7	NTU				
HAA018C	2/14/2019	TURBIDITY	NA	0.7	NTU				
HAA018C	9/5/2019	TURBIDITY	NA	0.7	NTU				
HAA 1C	8/30/2019	TURBIDITY	NA	0.5	NTU				
HAA 7B	2/8/2019	TURBIDITY	NA	0.5	NTU				
HAA 9D	8/30/2019	TURBIDITY	NA	0.5	NTU				
HAA 14C	9/16/2019	TURBIDITY	NA	0.5	NTU				
HAA020C	2/1/2019	TURBIDITY	NA	0.5	NTU				
HAA 1A	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 7C	2/8/2019	TURBIDITY	NA	0.4	NTU				
HAA 8B	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 10C	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 11C	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 11D	2/1/2019	TURBIDITY	NA	0.4	NTU				
HAA 11D	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 12C	2/1/2019	TURBIDITY	NA	0.4	NTU				
HAA 12D	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 13C	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 14C	2/12/2019	TURBIDITY	NA	0.4	NTU				
HAA020C	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA021C	8/30/2019	TURBIDITY	NA	0.4	NTU				
HAA 1A	2/1/2019	TURBIDITY	NA	0.3	NTU				
HAA 7D	8/30/2019	TURBIDITY	NA	0.3	NTU				
HAA 8B	2/8/2019	TURBIDITY	NA	0.3	NTU				
HAA 8D	8/30/2019	TURBIDITY	NA	0.3	NTU				
HAA 9D	2/1/2019	TURBIDITY	NA	0.3	NTU				
HAA 10D	8/30/2019	TURBIDITY	NA	0.3	NTU				
HAA 11C	2/1/2019	TURBIDITY	NA	0.3	NTU				
HAA 12C	8/30/2019	TURBIDITY	NA	0.3	NTU				
HAA 7C	8/30/2019	TURBIDITY	NA	0.2	NTU				
HAA 8C	2/8/2019	TURBIDITY	NA	0.2	NTU				
HAA 9B	2/1/2019	TURBIDITY	NA	0.2	NTU				
HAA019C	2/8/2019	TURBIDITY	NA	0.2	NTU				
HAA 9C	2/1/2019	TURBIDITY	NA	0.1	NTU				
HAA 2D	2/1/2019	Water Elevation	NA	277.40	ft msl				
HTF 3	2/13/2019	Water Elevation	NA	276.70	ft msl				
HTF 2	2/13/2019	Water Elevation	NA	276.00	ft msl				
HTF 4	2/13/2019	Water Elevation	NA	275.70	ft msl				
HTF 1	2/13/2019	Water Elevation	NA	274.70	ft msl				
HAA021D	2/1/2019	Water Elevation	NA	274.64	ft msl				
HTF 3	9/17/2019	Water Elevation	NA	274.50	ft msl				
HTF 2	9/17/2019	Water Elevation	NA	274.10	ft msl				
HAA 1D	2/1/2019	Water Elevation	NA	274.10	ft msl				
HAA 2D	8/30/2019	Water Elevation	NA	273.80	ft msl				
HAA020D	2/1/2019	Water Elevation	NA	273.60	ft msl				
HAA 7D	2/8/2019	Water Elevation	NA	273.51	ft msl				
HTF 4	9/17/2019	Water Elevation	NA	273.30	ft msl				
HAA 4D	2/11/2019	Water Elevation	NA	272.60	ft msl				
HTF 1	9/17/2019	Water Elevation	NA	272.60	ft msl				
HAA017D	2/14/2019	Water Elevation	NA	272.37	ft msl				
HAA 15D	2/7/2019	Water Elevation	NA	272.33	ft msl				
HAA 1D	8/30/2019	Water Elevation	NA	271.60	ft msl				
HAA 14D	2/11/2019	Water Elevation	NA	271.49	ft msl				
HAA021D	8/30/2019	Water Elevation	NA	271.24	ft msl				
HAA018D	2/14/2019	Water Elevation	NA	271.13	ft msl				
HAA019D	2/8/2019	Water Elevation	NA	271.11	ft msl				
HAA 8D	2/8/2019	Water Elevation	NA	271.10	ft msl				
HAA 10D	2/8/2019	Water Elevation	NA	270.88	ft msl				
HAA 12D	2/1/2019	Water Elevation	NA	270.73	ft msl				
HAA 7D	8/30/2019	Water Elevation	NA	270.51	ft msl				
HAA 4D	9/16/2019	Water Elevation	NA	270.50	ft msl				
HAA020D	8/30/2019	Water Elevation	NA	270.40	ft msl				
HC 1D	2/13/2019	Water Elevation	NA	270.40	ft msl				
HAA017D	9/24/2019	Water Elevation	NA	270.07	ft msl				
HAA 15D	9/10/2019	Water Elevation	NA	269.83	ft msl				
HAA 13D	8/30/2019	Water Elevation	NA	269.79	ft msl				
HAA 13D	2/8/2019	Water Elevation	NA	269.76	ft msl				
HAA 14D	9/17/2019	Water Elevation	NA	269.59	ft msl				
HAA018D	9/5/2019	Water Elevation	NA	269.53	ft msl				
HAA 12D	8/30/2019	Water Elevation	NA	269.33	ft msl				
HAA 11D	2/1/2019	Water Elevation	NA	269.26	ft msl				
HAA 10D	8/30/2019	Water Elevation	NA	268.46	ft msl				
HC 1D	9/17/2019	Water Elevation	NA	268.00	ft msl				
HAA 8D	8/30/2019	Water Elevation	NA	267.82	ft msl				
HAA019D	9/11/2019	Water Elevation	NA	267.71	ft msl				
HAA 11D	8/30/2019	Water Elevation	NA	267.08	ft msl				

Well Name	Collection Date	Analyte	MCL	Result	Units	Lab Qualifier	Review Qualifier	Detection Limit	Quantitation Limit (SQL)
HAA 9D	2/1/2019	Water Elevation	NA	266.78	ft msl				
HAA 9D	8/30/2019	Water Elevation	NA	262.86	ft msl				
HAA021C	2/1/2019	Water Elevation	NA	257.07	ft msl				
HAA 10C	2/1/2019	Water Elevation	NA	255.77	ft msl				
HAA 7C	2/8/2019	Water Elevation	NA	255.73	ft msl				
HAA020C	2/1/2019	Water Elevation	NA	255.44	ft msl				
HAA 2C	2/1/2019	Water Elevation	NA	255.10	ft msl				
HAA021C	8/30/2019	Water Elevation	NA	254.27	ft msl				
HAA 8C	2/8/2019	Water Elevation	NA	254.04	ft msl				
HAA 9C	2/1/2019	Water Elevation	NA	253.96	ft msl				
HAA 7B	2/8/2019	Water Elevation	NA	253.84	ft msl				
HAA 10B	2/1/2019	Water Elevation	NA	253.80	ft msl				
HAA 10C	8/30/2019	Water Elevation	NA	253.57	ft msl				
HAA 2B	2/1/2019	Water Elevation	NA	253.50	ft msl				
HAA 8B	2/8/2019	Water Elevation	NA	253.29	ft msl				
HAA 7C	8/30/2019	Water Elevation	NA	253.03	ft msl				
HAA 2C	8/30/2019	Water Elevation	NA	252.90	ft msl				
HAA 11B	2/1/2019	Water Elevation	NA	252.75	ft msl				
HAA 9B	2/1/2019	Water Elevation	NA	252.74	ft msl				
HAA 10B	8/30/2019	Water Elevation	NA	252.70	ft msl				
HAA020C	8/30/2019	Water Elevation	NA	252.60	ft msl				
HAA 4C	2/11/2019	Water Elevation	NA	252.50	ft msl				
HAA 11C	2/1/2019	Water Elevation	NA	251.96	ft msl				
HAA 4B	2/11/2019	Water Elevation	NA	251.50	ft msl				
HAA 9C	8/30/2019	Water Elevation	NA	251.43	ft msl				
HAA 12C	2/1/2019	Water Elevation	NA	251.40	ft msl				
HAA 1C	2/1/2019	Water Elevation	NA	251.30	ft msl				
HAA 12B	2/1/2019	Water Elevation	NA	251.17	ft msl				
HAA 8C	8/30/2019	Water Elevation	NA	251.13	ft msl				
HAA 11B	8/30/2019	Water Elevation	NA	251.12	ft msl				
HAA 7B	8/30/2019	Water Elevation	NA	251.04	ft msl				
HAA 1C	8/30/2019	Water Elevation	NA	250.80	ft msl				
HAA 2B	8/30/2019	Water Elevation	NA	250.60	ft msl				
HAA 4C	9/16/2019	Water Elevation	NA	250.60	ft msl				
HAA 8B	8/30/2019	Water Elevation	NA	250.55	ft msl				
HAA 11C	8/30/2019	Water Elevation	NA	250.51	ft msl				
HAA 9B	8/30/2019	Water Elevation	NA	250.08	ft msl				
HAA 12C	8/30/2019	Water Elevation	NA	250.07	ft msl				
HAA 12B	8/30/2019	Water Elevation	NA	249.71	ft msl				
HAA 13C	2/8/2019	Water Elevation	NA	249.58	ft msl				
HAA 4B	9/16/2019	Water Elevation	NA	249.50	ft msl				
HAA 13B	2/8/2019	Water Elevation	NA	249.49	ft msl				
HAA 14C	2/12/2019	Water Elevation	NA	249.38	ft msl				
HAA 13C	8/30/2019	Water Elevation	NA	248.72	ft msl				
HAA 13B	8/30/2019	Water Elevation	NA	248.56	ft msl				
HAA 14B	2/11/2019	Water Elevation	NA	248.53	ft msl				
HAA 15B	2/7/2019	Water Elevation	NA	248.14	ft msl				
HAA 15C	2/7/2019	Water Elevation	NA	248.03	ft msl				
HAA017C	2/14/2019	Water Elevation	NA	247.52	ft msl				
HAA 14C	9/16/2019	Water Elevation	NA	247.28	ft msl				
HAA 14B	9/16/2019	Water Elevation	NA	246.53	ft msl				
HAA 15B	9/10/2019	Water Elevation	NA	246.44	ft msl				
HAA 15C	9/10/2019	Water Elevation	NA	245.93	ft msl				
HAA017C	9/24/2019	Water Elevation	NA	245.22	ft msl				
HAA018C	2/14/2019	Water Elevation	NA	244.08	ft msl				
HAA018C	9/5/2019	Water Elevation	NA	242.28	ft msl				
HAA019C	2/8/2019	Water Elevation	NA	239.25	ft msl				
HAA019C	9/11/2019	Water Elevation	NA	237.17	ft msl				
HAA 1A	2/1/2019	Water Elevation	NA	179.90	ft msl				
HAA 1A	8/30/2019	Water Elevation	NA	179.70	ft msl				