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2022 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
amsl	above 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, LLC
SRR	Savannah River Remediation, LLC
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 2022. As required by the Consolidated General Closure Plan for F-Area and H-Area Waste Tank Systems (Savannah River Remediation, LLC [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). No tanks were grouted at the FTF or HTF during 2022. 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 (*Savannah River Nuclear Solutions, LLC [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 2022, 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 2022 for 12 of 13 wells at the FTF and all 46 wells at the HTF. Table 1 provides a list of wells sampled for each facility's monitoring program.

Overall, the monitoring results, presented in Attachments A and B, are similar to those from past years. In 2022, results indicated no 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 approximately (~) 700 feet (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 Upper Aquifer Zone (UAZ) and the Lower Aquifer Zone (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.

During 2022, SRS recorded 41.63 inches (in.) of precipitation as measured at the H-Area weather station. This amount of precipitation was near the 30-year average (46.73 in. per year) based on rainfall recorded at the H-Area weather station from 1993-2022 and is considered below average rainfall for SRS.

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 13 monitoring wells. The well network is located around the downgradient perimeter of the FTF and includes wells screened in the UAZ (7) and LAZ (4) and 2 background wells (UAZ and LAZ). In 2022, SRS installed an additional well (FBG002D) to monitor background groundwater conditions in the UAZ at the FTF. The network of 13 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 2022, SRS sampled 12 of 13 FTF monitoring wells in the first calendar quarter and 12 of 13 FTF monitoring wells during the third calendar quarter. All the wells were sampled as scheduled during 2022 except for the UAZ background well FBG001D.

Despite above average rainfall and an overall increasing water elevation from 2012 to 2020 the water in the UAZ, in the area of well FBG001D, is thin. Even though the well screen is located at the top of the tan clay, at the bottom of the UAZ, not enough water is present to collect for sampling. FBG001D is located on the north-west side of a groundwater divide where water flows to Upper Three Runs. On this side of the divide, the water table surface quickly dips below the tan clay and exists in the LAZ as you move away from the divide. FBG001D is essentially located where the water table surface begins to drop into the LAZ and the UAZ becomes unsaturated.

South of the groundwater divide, water flows to Fourmile Branch and the water table exists in the UAZ. FBG002D was placed on the south-west side of the FTF and the south side of the groundwater divide (See Figure 6) to monitor the FTF where the water table does exist in the UAZ.

SRS will continue to attempt to sample FBG001D in future sampling events should the water elevation rise enough that there is enough water in the UAZ for well FBG001D to provide sufficient water for a sample. Otherwise, FBG001C will provide background water quality data for the FTF.

FBG002D was installed during the first quarter of 2022 but was unable to be added to the Environmental Compliance and Area Completion Projects Approved Containerization List in time to be sampled during the first quarter. FBG002D was sampled for the first time during the third quarter of 2022 and the data is included in this report.

The FTF average groundwater elevations for the UAZ and LAZ are ~ 221- and 211- ft above mean sea level (amsl), respectively. In 2022, FTF groundwater elevations for the UAZ were within 1-ft of average levels and groundwater elevations for the LAZ were ~1-ft above average levels. Figures 6 and 7 provide the 2022 water level maps from the third quarter of 2022 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. Consistent with previous years, well FTF 28 exceeded the screening trigger level for nonvolatile beta in 2022 and contingency analyses were performed. Well FTF 19 also exceeded the screening trigger level for nonvolatile beta in 2022 and contingency analysis were performed. In 2022, specific radionuclides were also analyzed for the first quarter sample at FTF 12R because nonvolatile beta historically exceeds the trigger lever at FTF 12R. However, nonvolatile beta at FTF 12R was below the screening level during the third quarter of 2021 and the first quarter of 2022, so specific radionuclides were not analyzed in the third quarter 2022 sample. The results of the analysis for specific radionuclides 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 2022 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 milligrams per liter [mg/L]) for nitrate in all samples. The maximum concentration was 6.41 mg/L and occurred in the LAZ background well FBG001C.

Tritium

Tritium was below the MCL (20 picocuries per milliliter [pCi/mL]) in every well at the FTF. Although below the MCL, tritium was detected in every well at the FTF. The maximum tritium concentration at the FTF was 1.75 pCi/mL in well FTF 28. SRS will continue to monitor and evaluate tritium at the FTF.

Cadmium and Chromium

The majority of cadmium results were below the Sample Quantitation Limit (SQL) and thus cannot be accurately quantified. Only 2 of 29 cadmium results were above the SQL. The maximum result for cadmium was 1.03 micrograms per liter (µg/L) at FTF 19 and did not exceed the MCL (5 µg/L).

Chromium was detected above the SQL in only 2 of 29 samples. The maximum concentration of chromium was measured at UAZ well FTF 30D (50.3 µg/L) and was well below the MCL of 100 µg/L. The 2022 results for cadmium and chromium are consistent with results from previous years at the FTF.

Gross Alpha

Gross alpha was below the SQL in 16 of 31 samples at the FTF. The maximum result for gross alpha was 9.21 pCi/L at FTF 23. No results exceeded the trigger level of 15 pCi/L, so no analysis for specific radionuclides was done at the FTF. In 2022, gross alpha concentrations were low and consistent with previous results at the FTF.

Manganese and Sodium

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. In 2022, manganese was below the drinking water regional screening level (RSL) (430 µg/L) at all wells with a maximum concentration of 280 µg/L at background well FBG002D.

Sodium levels were above background concentrations at wells FTF 19, FTF 20, FTF 22, FTF 23, and FTF 30D in 2022. The concentrations were similar to historical levels and the maximum concentration was 22,800 µg/L at FTF 20. Background concentrations for sodium (averaging 5,638 µg/L at FBG001C and FBG002D) were higher than sodium concentrations at the remaining monitoring wells, which averaged ~4,110 µg/L. There is no MCL or RSL for sodium.

Nonvolatile Beta

Nonvolatile beta was detected in 26 of 31 samples. However, only 6 of the 26 detections exceeded the screening level of 50 pCi/L, with four from well FTF 28 and two from well FTF 19. In 2022, levels at FTF 28 ranged from 519 pCi/L to the maximum of 603 pCi/L. At FTF 19, nonvolatile beta has exceeded 50 pCi/mL in the past, but from 2003 to 2020 has been below 50 pCi/mL (Figure 8). In 2022, levels at FTF 19 ranged from 178 pCi/L during the first quarter to 19.7 pCi/L during the third quarter. 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 26.6 J pCi/L to 370 pCi/L. In 2022, the first and third quarter results for nonvolatile beta at well FTF 12R were 26.6 J pCi/L and 33.7 pCi/L, respectively. Contingent analyses (e.g., beta/gamma speciation) were performed on samples from FTF 28, FTF 19, and FTF 12R to determine the isotope(s) responsible for the beta concentration. The results of the contingent analyses are discussed below.

The 2022 monitoring continues to indicate the existence of a nonvolatile beta plume in the LAZ (FTF 28 and FSL 11C) downgradient of the FTF. The plume extends from FTF 28 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) from F-Canyon to the security fence 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 2022, groundwater in the LAZ beneath the FTF had an average pH of 5.61. As shown in Figure 9, the hydrogen ion content at FTF 28 has been elevated in the past compared to nearby wells in the same aquifer and thus the pH is lower (pH 5.05) 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, operating facilities, and tank closure activities. Additional well installation will not be practicable until closure of the FTF (including closure of the F-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 FIPSL. 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 11), 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 (SRNS 2022).

Contingency analyses were performed for FTF 28, FTF 19, and FTF 12R. The additional analyses are provided in Attachment A. The only constituents detected above the SQL were bismuth-214 (218 pCi/L), lead-214 (251 pCi/L), radium-226 (8.47 J pCi/L) and technetium-99 (1,380 pCi/L).

The elevated levels of bismuth-214 and lead-214 measured in wells FTF 28, FTF 19, and FTF 12R 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 28, FTF 19, and FTF 12R 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.

Iodine-129

In 2022, iodine-129 was detected at FTF 12R. Iodine-129 has been detected at FTF 12R in the past, however the 2022 result (0.827 J pCi/L) was "J" qualified because it was below the SQL. Iodine-129 has previously been detected at three wells (FTF 19, FTF 28, and FTF 12R) but is predominantly below detection limits. 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 1 pCi/L (66 samples). Although this average is equal to the MCL, some samples had MDLs greater than the MCL up to a maximum MDL of 2.74 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 greater than the MCL (900 pCi/L) in well FTF 28. In 2022, technetium-99 levels were similar to 2021 with a maximum of 1,380 pCi/L at FTF 28. Concentration trends for technetium-99 and nonvolatile beta in well FTF 28 are provided in Figure 12, which show a slowly increasing trend over the last 11 years.

In 2022, technetium-99 was also analyzed at wells FTF 12R, FTF 19 and FTF030. The maximum concentration at wells FTF 19 and FTF 12R were 339 J pCi/L and 43.4 pCi/L, respectively. Technetium-99 was not detected at FTF030. SRS will continue to monitor technetium-99 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 3 background wells. The wells are set in three aquifer zones. The "A" wells are set in the GAU. The "B" and "C" wells are set in the LAZ and the "D" wells are in the UAZ of the UTRA. Figure 13 provides the monitoring locations.

At the HTF, average groundwater elevations for the UAZ and LAZ are ~269-ft and 252-ft amsl, respectively. In 2022, HTF UAZ and LAZ groundwater elevations were ~1-ft below average levels. Figures 14 and 15 illustrate groundwater flow directions and third quarter 2022 water levels for the UAZ and LAZ. Flow in the GAU is towards the northwest based on potentiometric data from HAA 1A and other regional wells that are not part of the HTF monitoring network.

In 2022, 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 2022, nonvolatile beta at HAA 15C exceeded the trigger level. Additional sampling and analysis were done at the well to look for specific radionuclides. The results are discussed in more detail below.

Attachment B contains the laboratory results and field measurements for HTF monitoring wells including field duplicates, split samples, and laboratory duplicate samples. All data were verified and validated while at least 10% of the data received supplemental validation to meet the more stringent definitive-level data criteria. Table 3a provides a summary of the 2022 monitoring results. For comparison, a summary of historical monitoring results is provided in Table 3b.

Overall, the 2022 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 2022. The maximum concentration of nitrate-nitrite was 6.06 mg/L measured at HAA 4D. The remaining results at the HTF were also 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 1.04 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 35.3 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 (HIPSL) that transported low-level radioactive wastewater from the separations facilities to the H-Area Seepage Basins. Figure 16 shows the history of tritium in both HAA 12 wells (UAZ and LAZ). In 2022, tritium concentrations were steady in both HAA 12D and HAA 12C. Long-term trends for both wells are shown to be decreasing. Figure 17 shows the maximum tritium concentrations in 2022 for the UTRA. The extent of the tritium plume is monitored by the GSA Eastern Groundwater OU monitoring program.

Gross Alpha

In 2022, gross alpha was below the screening level of 15 pCi/L in every sample. The maximum concentration of gross alpha was 5.51 pCi/L measured at HAA 4D. Because the concentration did not exceed the screening level of 15 pCi/L, no contingent analysis was performed for gross alpha and specific radionuclides. SRS will continue to monitor gross alpha according to the HTF SAP.

Cadmium and Chromium

Out of 100 samples, 96 results for cadmium were non-detect. The maximum concentration of cadmium was measured at wells HAA 1B and HAA 14C (1 µg/L at both wells) and was below the MCL of 5 µg/L.

For chromium, only 4 results out of 100 samples were above the SQL. The maximum concentration of chromium was measured at wells HAA 8B and HAA 14C (30 µg/L at both wells) and was below the MCL of 100 µg/L.

Manganese and Sodium

Manganese and sodium are naturally occurring in the aquifer sediments at SRS. Manganese was above the SQL in 48 of 100 samples. In 2022, all results for manganese were below the RSL of 430 µg/L. The maximum concentration of 319 µg/L was measured at HAA 10D. The average concentration for all samples above the laboratory method detection limit was 25.2 µg/L. In 2022, 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 almost every sample with the maximum result (17,700 µg/L) occurring at UAZ well HAA 10D. The average concentration of sodium was about the same as 2021 results at 3,478 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

In 2022, nonvolatile beta was below the screening level of 50 pCi/L in every sample except for one. The first quarter result of 110 J pCi/L at HAA 15C exceeded the MCL and triggered additional analysis to confirm the exceedance and analyze for specific radionuclides. The additional sampling was done in May 2022 and resulted in a nonvolatile beta concentration of 5.75 pCi/L. The only constituents detected above the SQL were naturally occurring radionuclides: Bisumuth-214 (165 pCi/L) and Lead-214 (172 pCi/L). As stated in the nonvolatile beta section for the FTF, although the bismuth-214 and lead-214 concentrations appear to be elevated, they should not contribute to the nonvolatile beta results because of the short half lives of bismuth-214 and lead-214. The third quarter result for nonvolatile beta of 3.65 pCi/L at HAA 15C was also well below the MCL. The next highest result for nonvolatile beta at the HTF was 24.7 pCi/L at well HAA 12B and was 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 all but 10 out of 107 samples in 2022. All of those results were very low with a max result of 47 pCi/L at well HAA 12B, which is significantly below the MCL of 900 pCi/L. Historically, technetium-99 has not been identified as a prevalent contaminant in groundwater at the HTF and the 2022 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 2022 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 2022 monitoring results show no indications of new releases to groundwater. Water level measurements and flow paths were similar to those from past years.

In 2022, SRS installed an additional well (FBG002D) to monitor background water conditions in the UAZ at the FTF. FBG002D was placed on the south-west side of the FTF and the south side of the groundwater divide (See Figure 6) to monitor the FTF where the water table exists in the UAZ. FBG002D was sampled for the first time during the third quarter of 2022 and the data from the first round of sampling is included in Appendix A of this report.

F-Area 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, FTF 19, and FTF 12R. At FTF 28, nonvolatile beta was similar to levels measured in 2021. The maximum result occurred at FTF 28 at 603 pCi/L. Historically, nonvolatile beta has fluctuated from sample to sample at this well. Isotopic analyses performed on samples from FTF 28, FTF 19, and FTF 12R identified technetium-99 as the primary source of nonvolatile beta. The 2022 maximum concentration of technetium-99 at FTF 28 was 1,380 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, operating facilities, and tank closure activities. Additional well installation will not be practicable until closure of the FTF (including closure of the F-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 11 to show the extent of the technetium-99 and nonvolatile beta plumes.

Concentrations of gross alpha, nitrate-nitrite, tritium, cadmium, chromium, manganese, and sodium remain low and are below their respective RSL/MCL. Overall, the 2022 monitoring results show no indications of new releases at the FTF.

H-Area 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 HIPSL, 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 2022 were steady at both HAA 12D and HAA 12C. SRS will continue to monitor for tritium at the HTF.

Nonvolatile beta exceeded the screening level of 50 pCi/L in well (HAA 15C) during the first quarter of 2022. Confirmation sampling was done in May 2022 and resulted in a nonvolatile beta concentration of 5.75 pCi/L. In addition to the low nonvolatile beta concentration in the confirmation sampling, the third quarter result for nonvolatile beta of 3.65 pCi/L at HAA 15C was also well below the MCL. The next highest result for nonvolatile beta at the HTF was 24.7 pCi/L at well HAA 12B and was less than the screening level of 50 pCi/L. SRS will continue to monitor nonvolatile beta according to the HTF SAP.

Concentrations of cadmium, chromium, gross alpha, manganese, sodium, and nitrate-nitrite remain low and are below their respective MCL/RSLs. Overall, the 2022 monitoring results show no indications of new releases at the HTF.

6.0 REFERENCE

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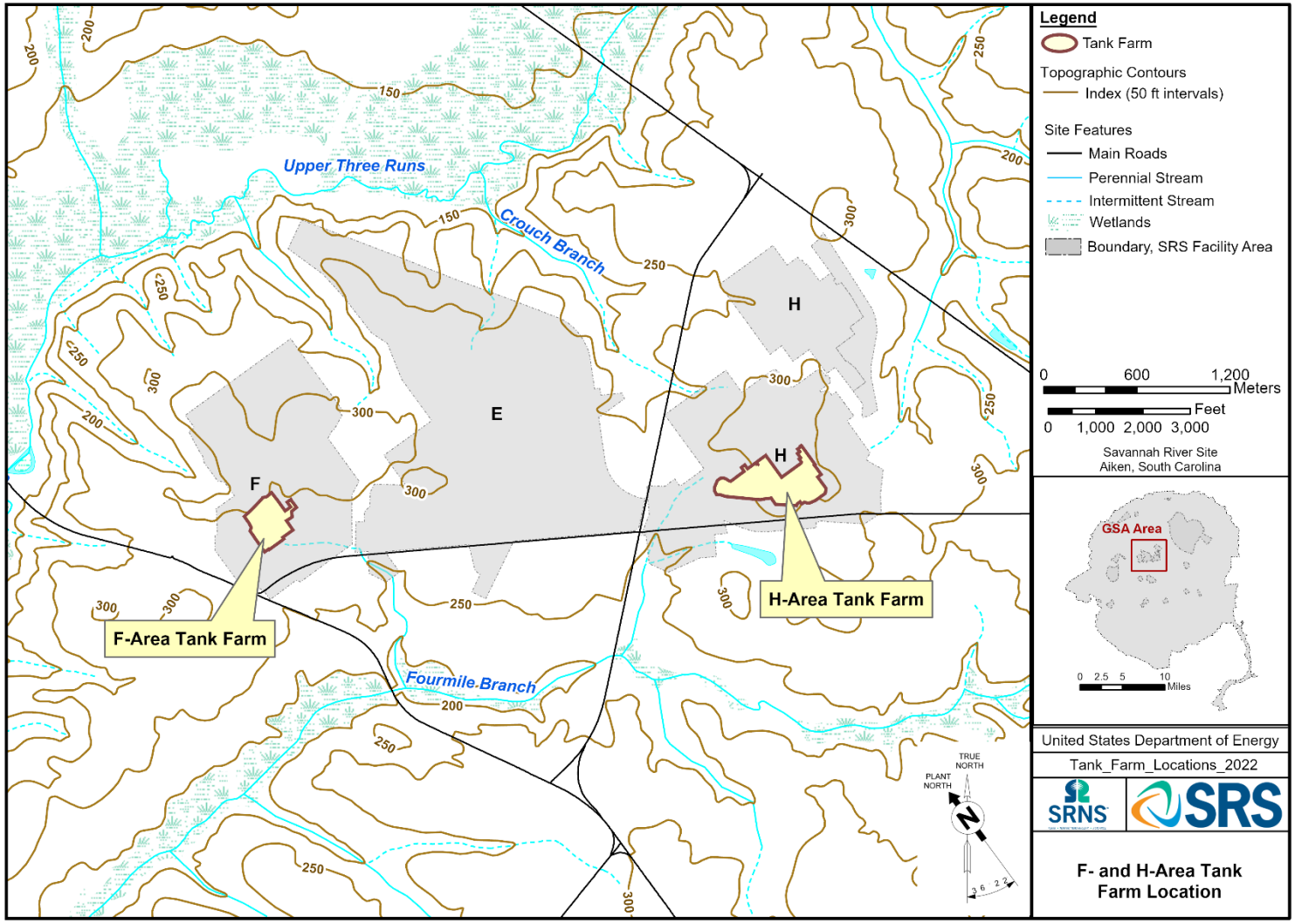

Figure 1. Locations of the F-Area and H-Area Tank Farms

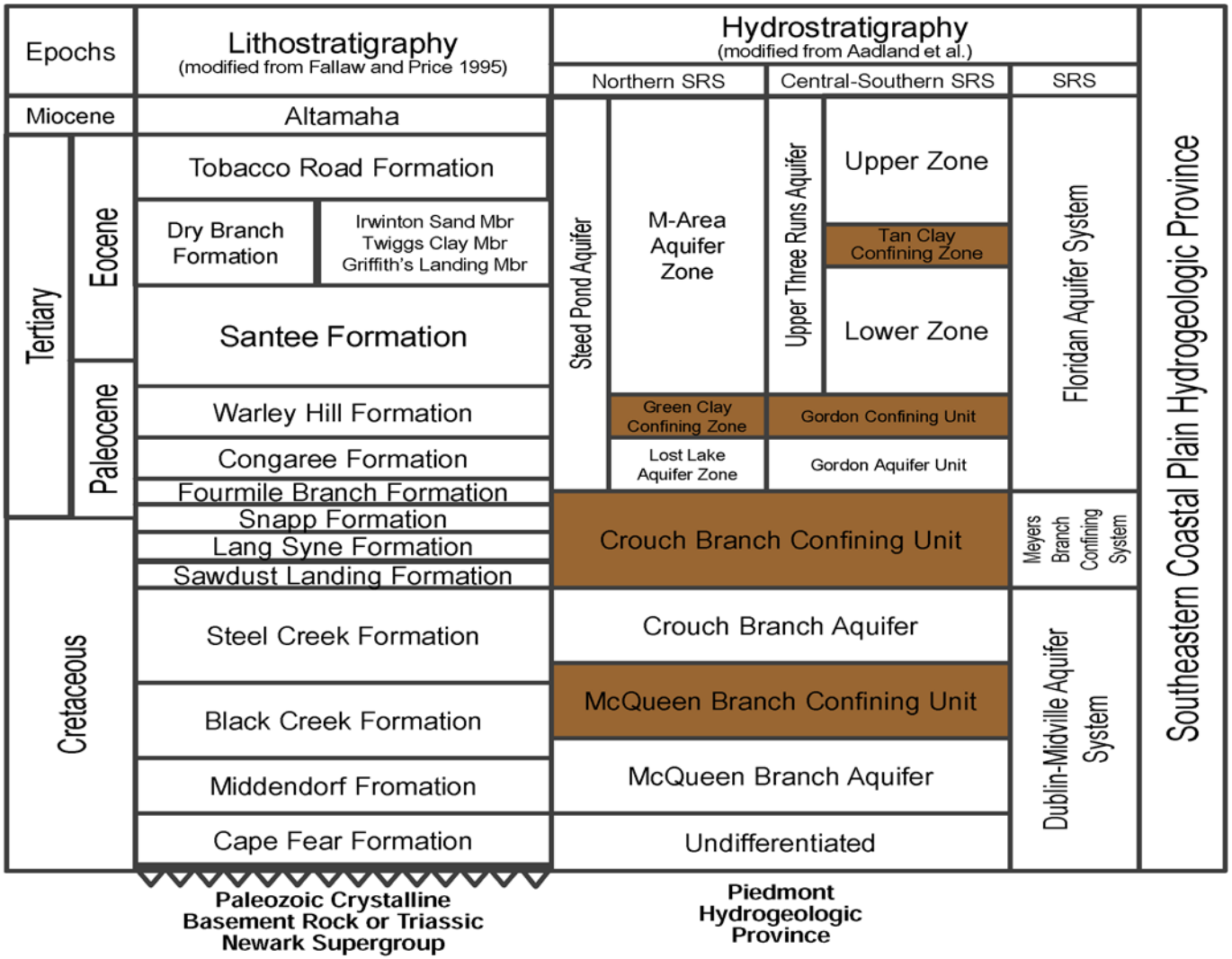

Figure 2. Lithostratigraphic and Hydrostratigraphic Units at the F-Area and H-Area Tank Farms

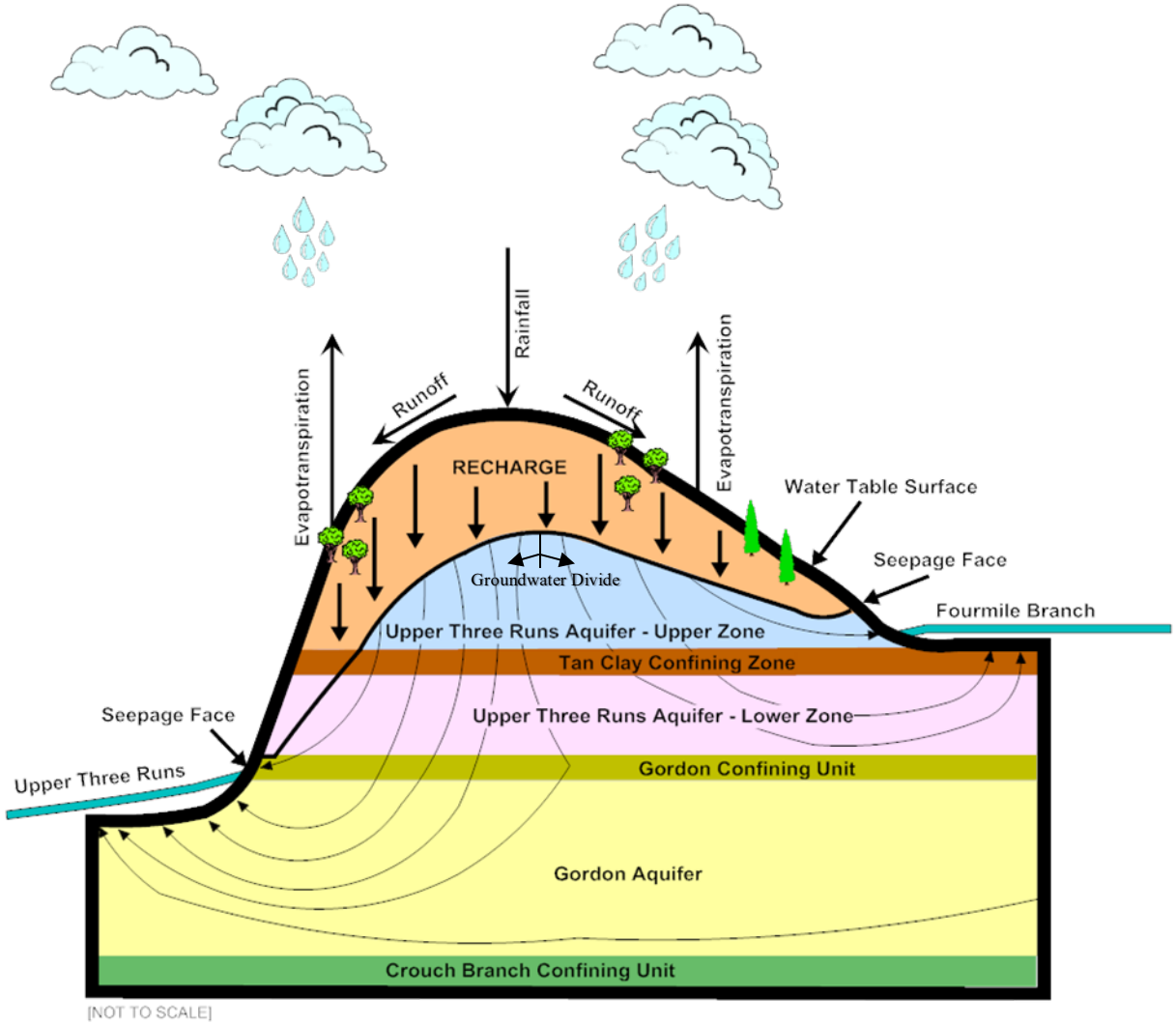

Figure 3. Surface and Groundwater Flow at the General Separations Area

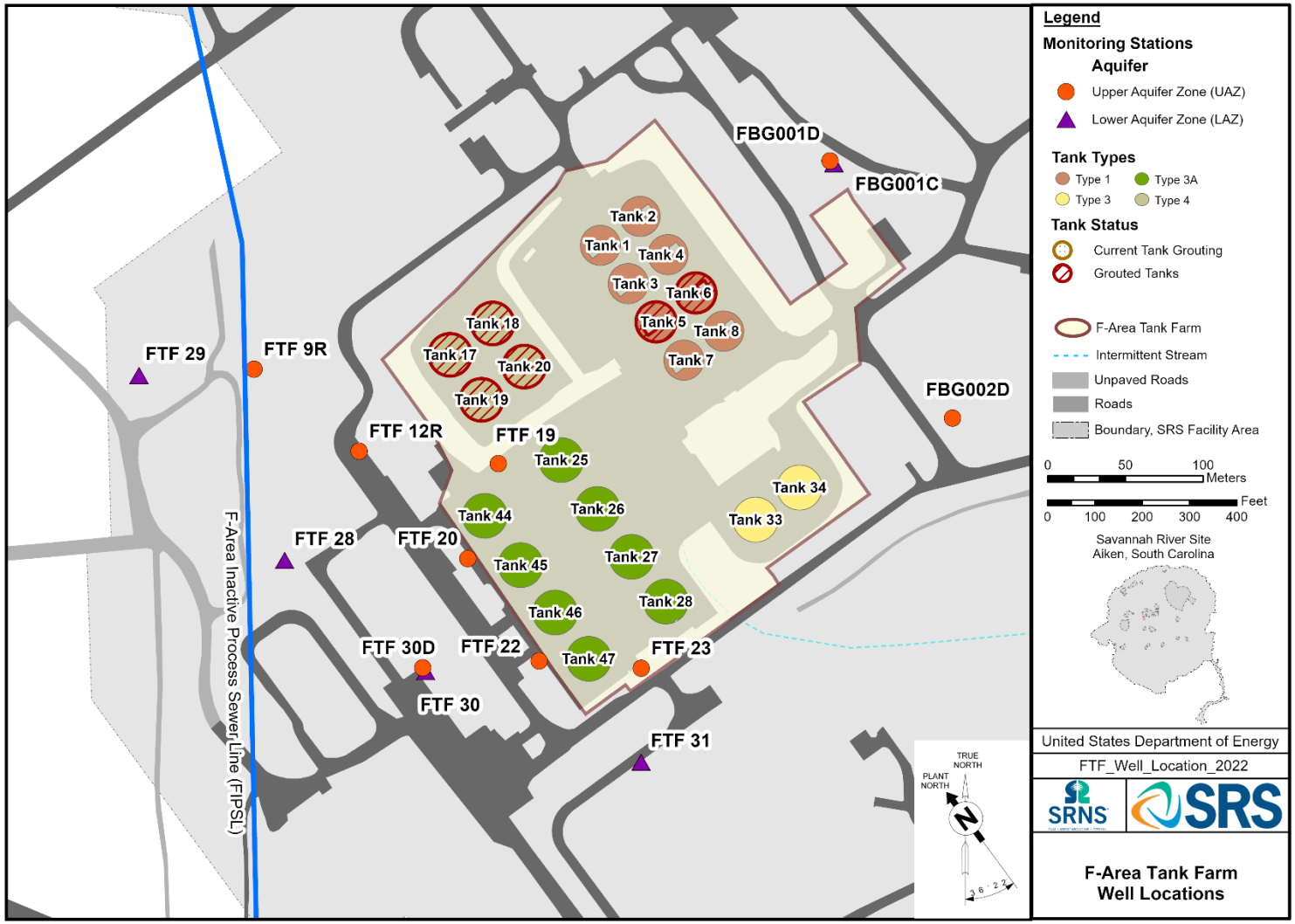

Figure 4. Location of Wells for the FTF Groundwater Monitoring Network

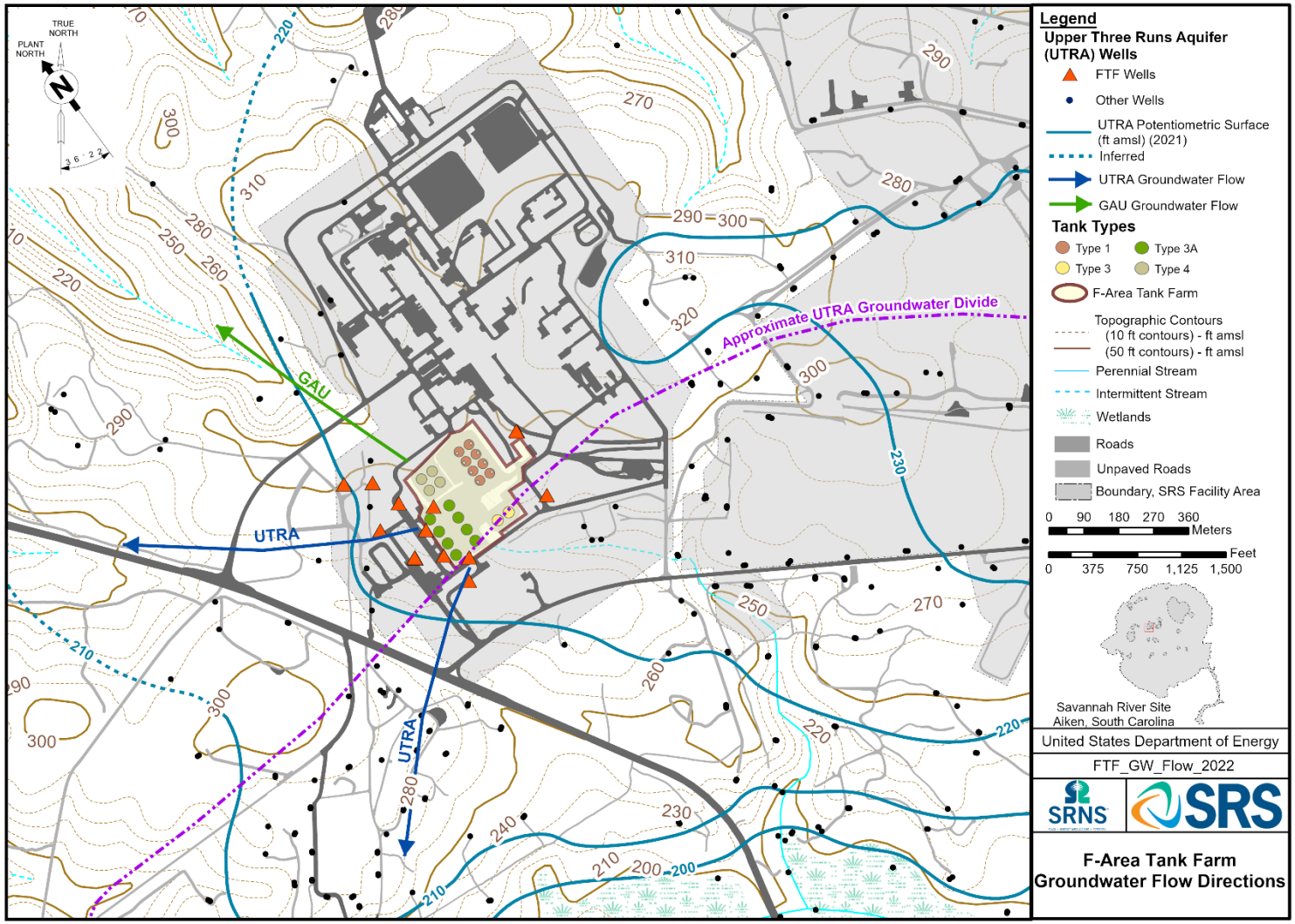

Figure 5. Potentiometric Surface and Groundwater Flow Directions at the FTF

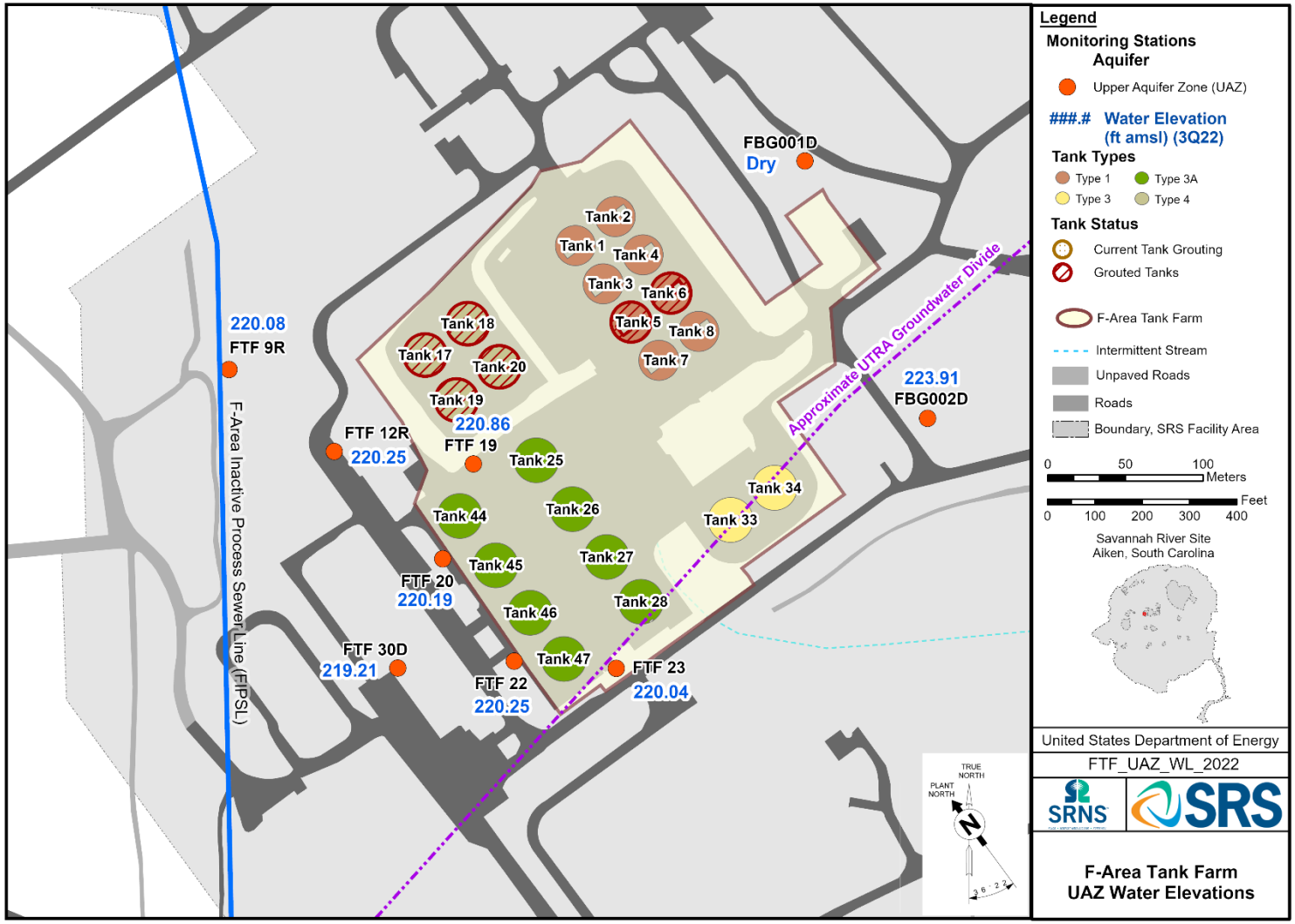

Figure 6. Water Elevation (ft amsl) for the UAZ of the UTRA during the Third Quarter of 2022

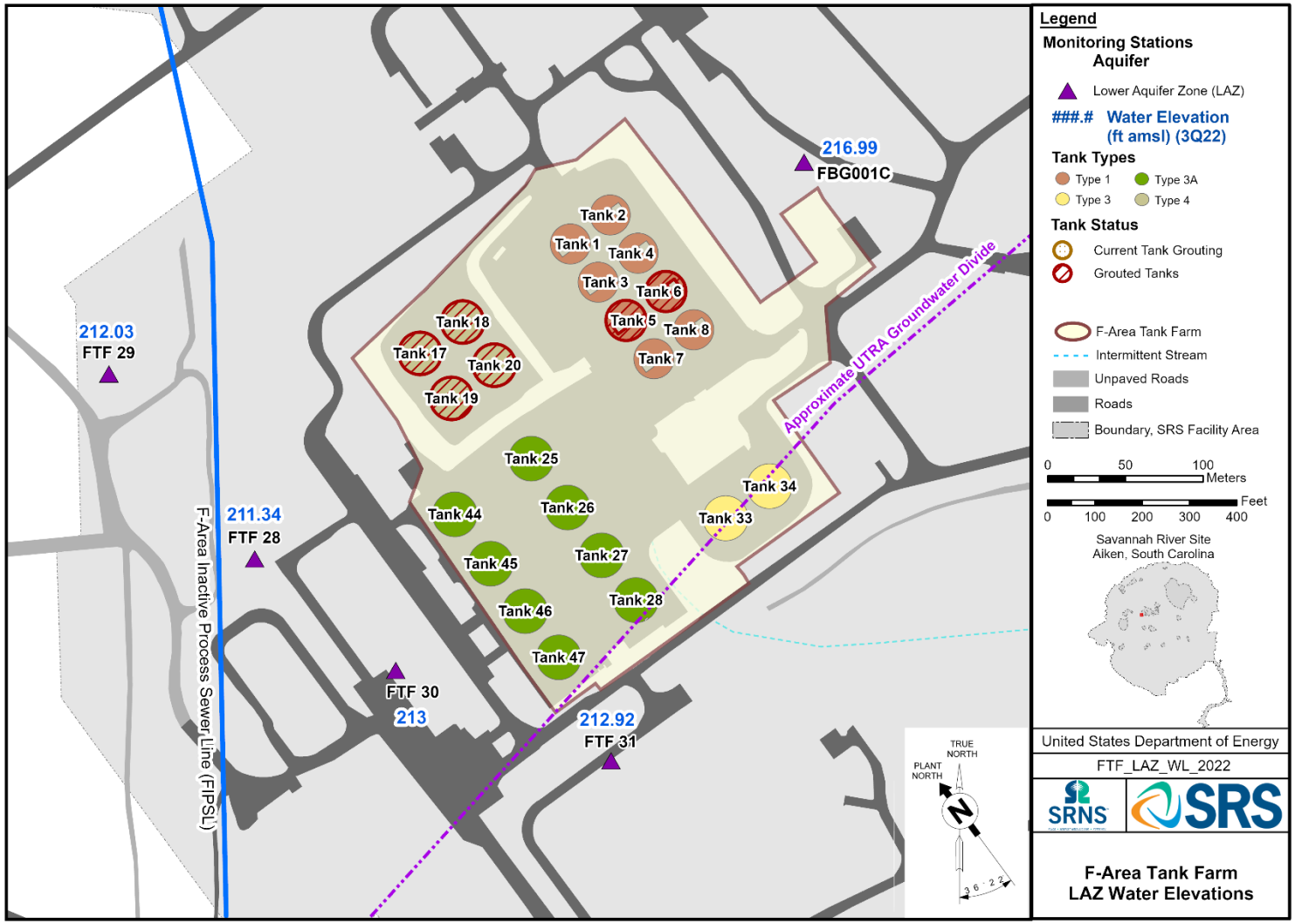

Figure 7. Water Elevation (ft amsl) for the LAZ of the UTRA during the Third Quarter of 2022

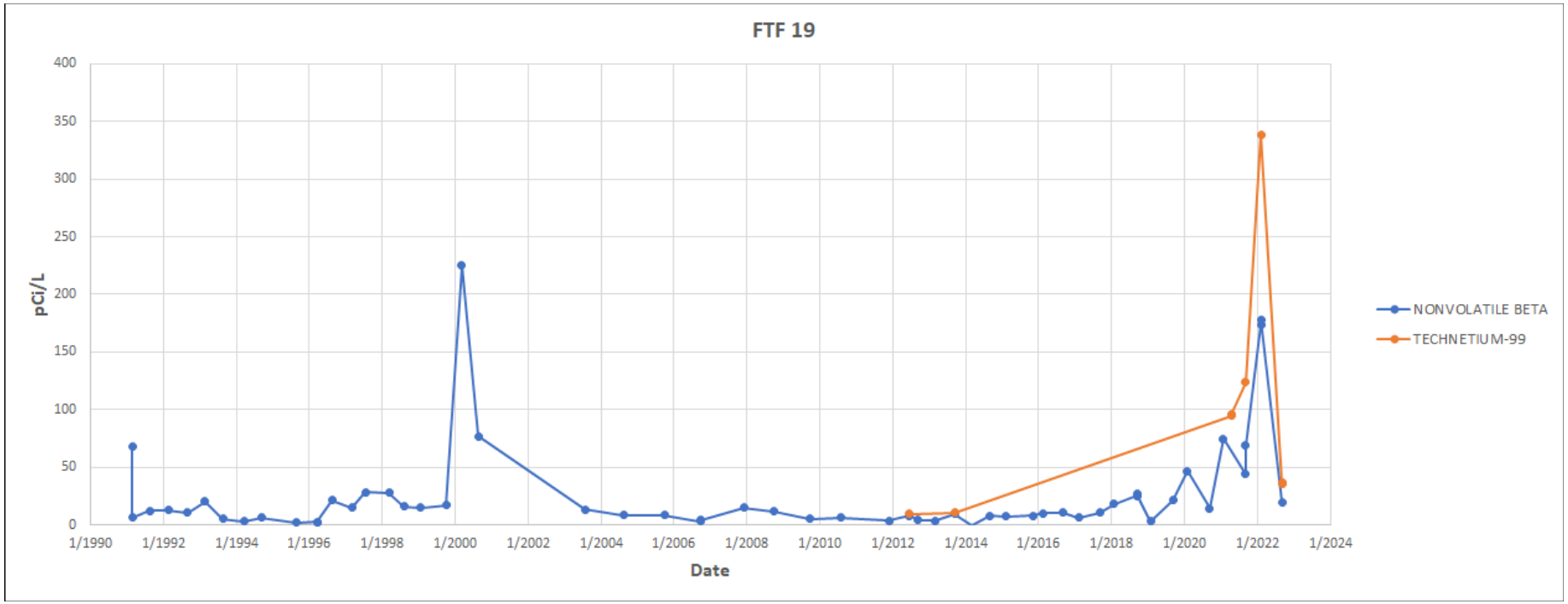

Figure 8. Nonvolatile Beta and Technetium-99 at FTF 19

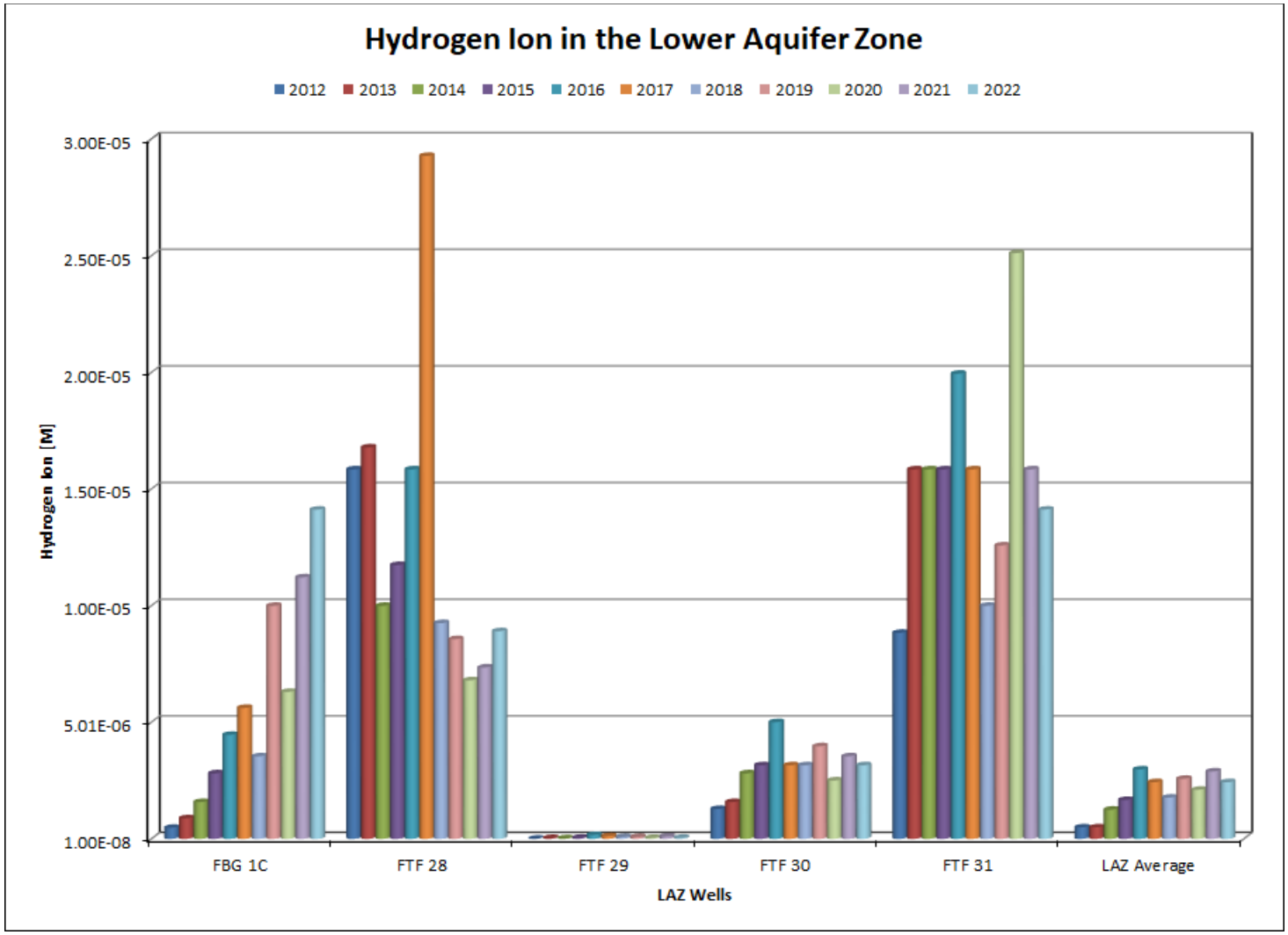

Figure 9. Hydrogen Ion in the LAZ at FTF

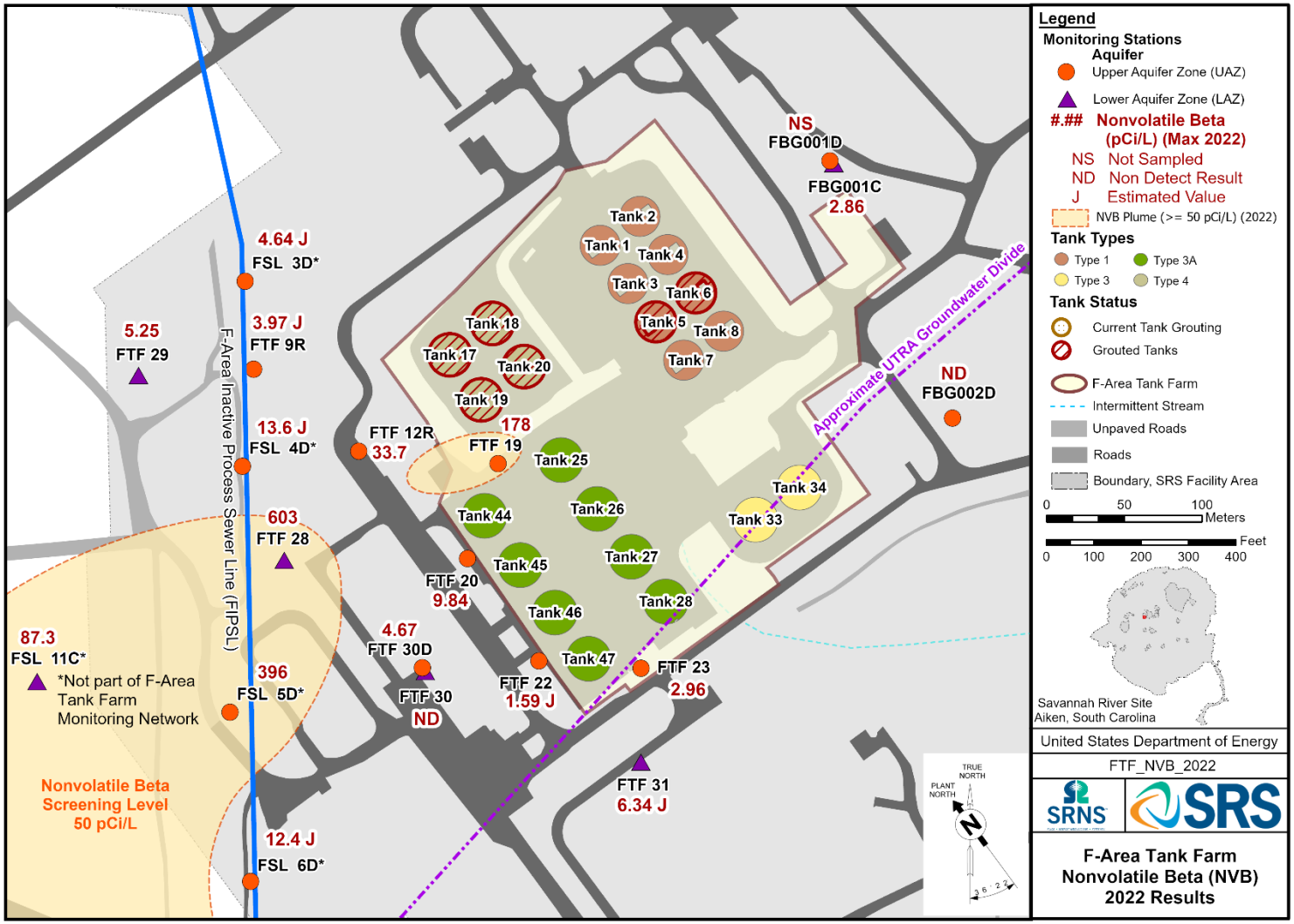

Figure 10. Nonvolatile Beta Results (pCi/L) for the FTF in 2022

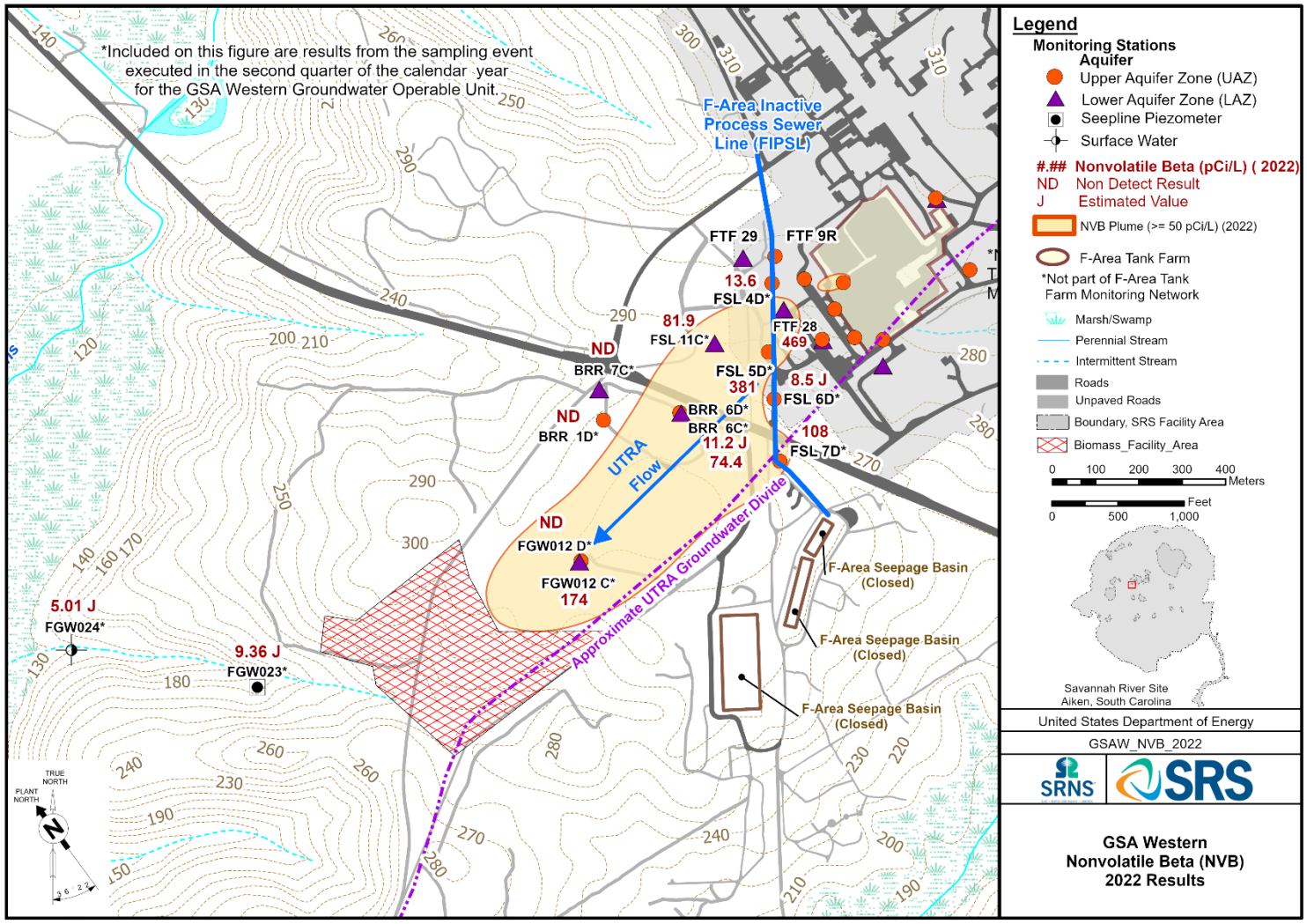

Figure 11. Nonvolatile Beta Results for General Separations Area Western Groundwater Operable Unit

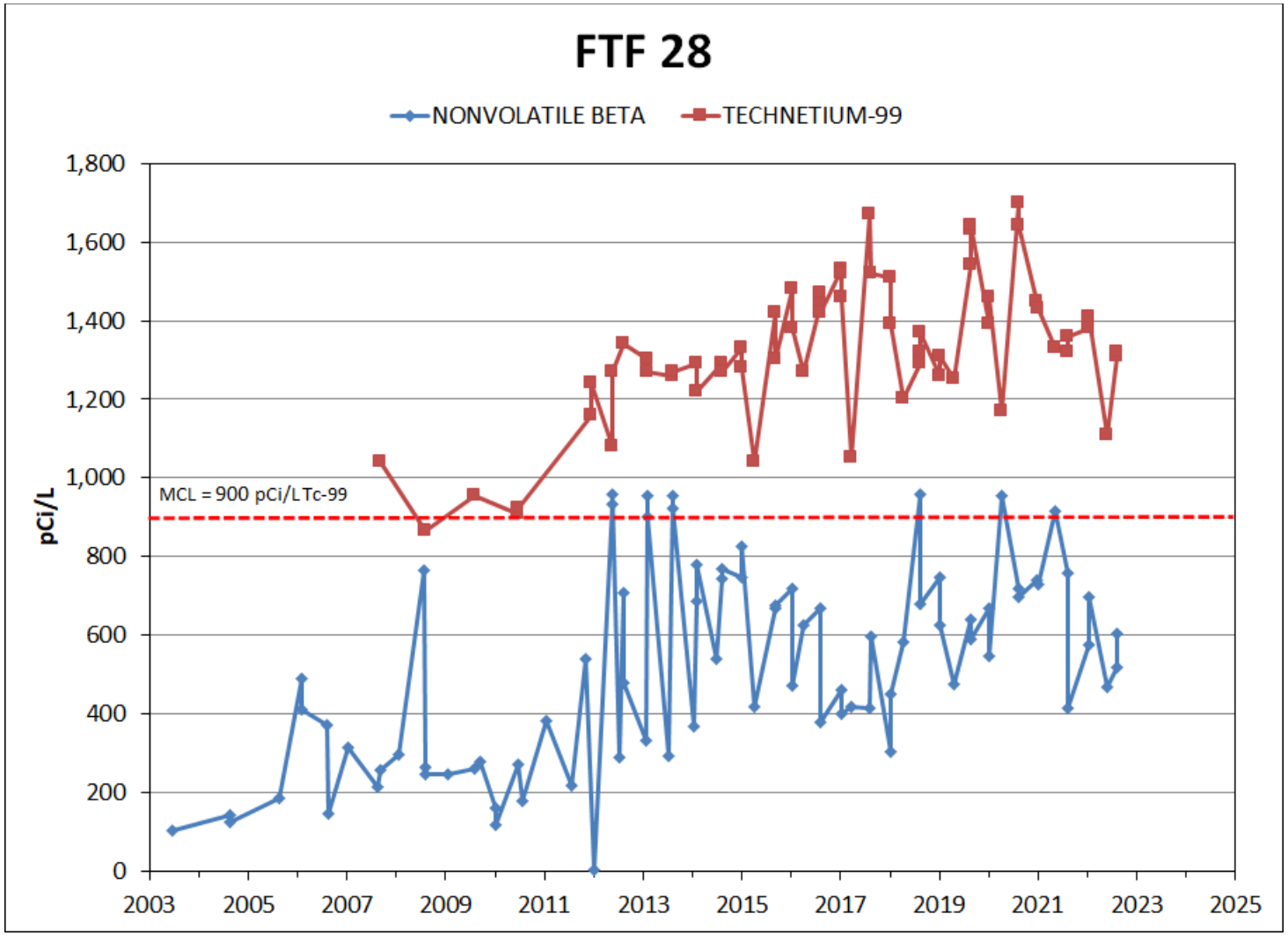

Figure 12. Nonvolatile Beta and Technetium-99 Concentrations for FTF 28

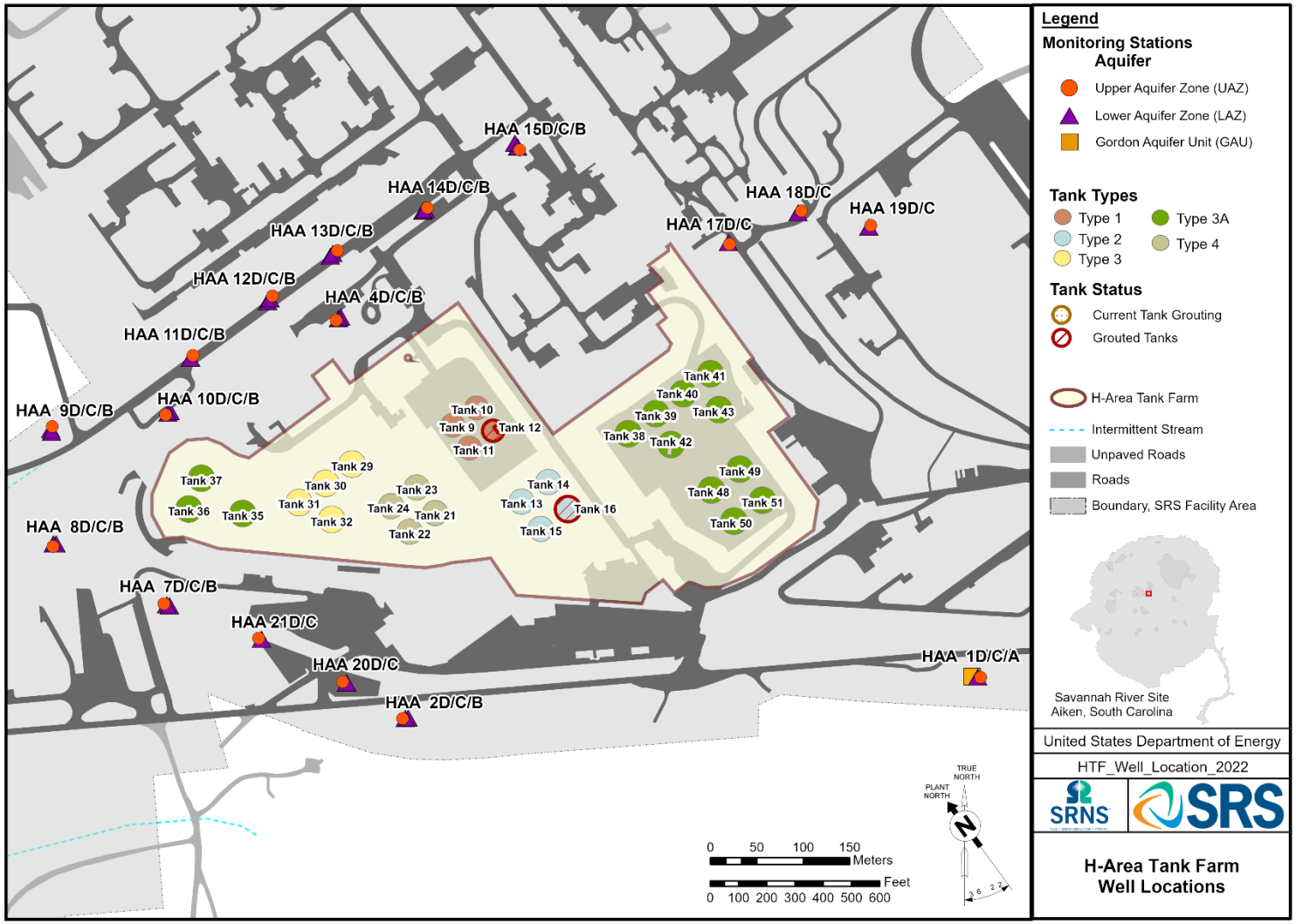

Figure 13. Location of Wells for the HTF Groundwater Monitoring Network

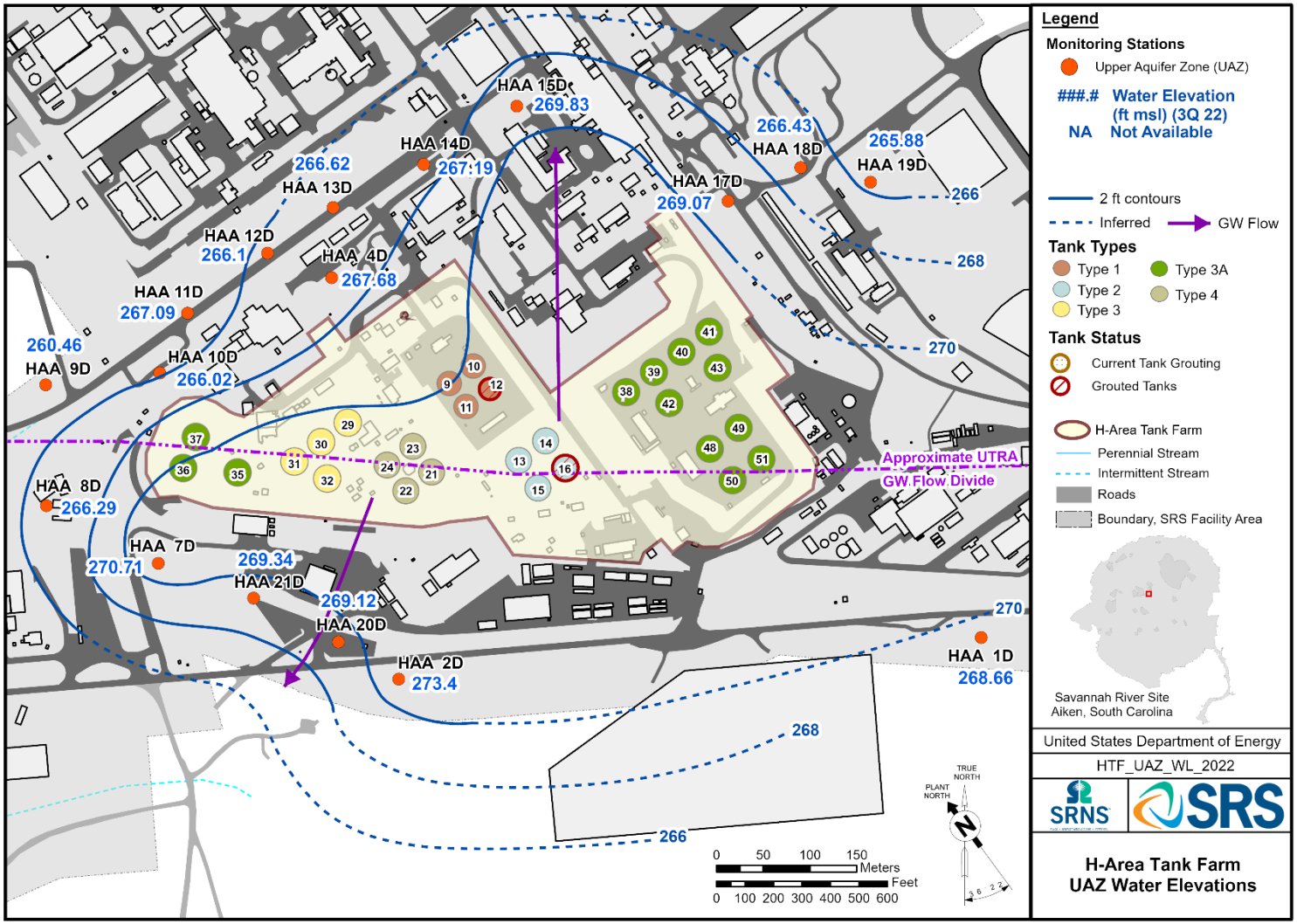

Figure 14. Water Elevation (ft above msl) for the UAZ of the UTRA during the Third Quarter of 2022

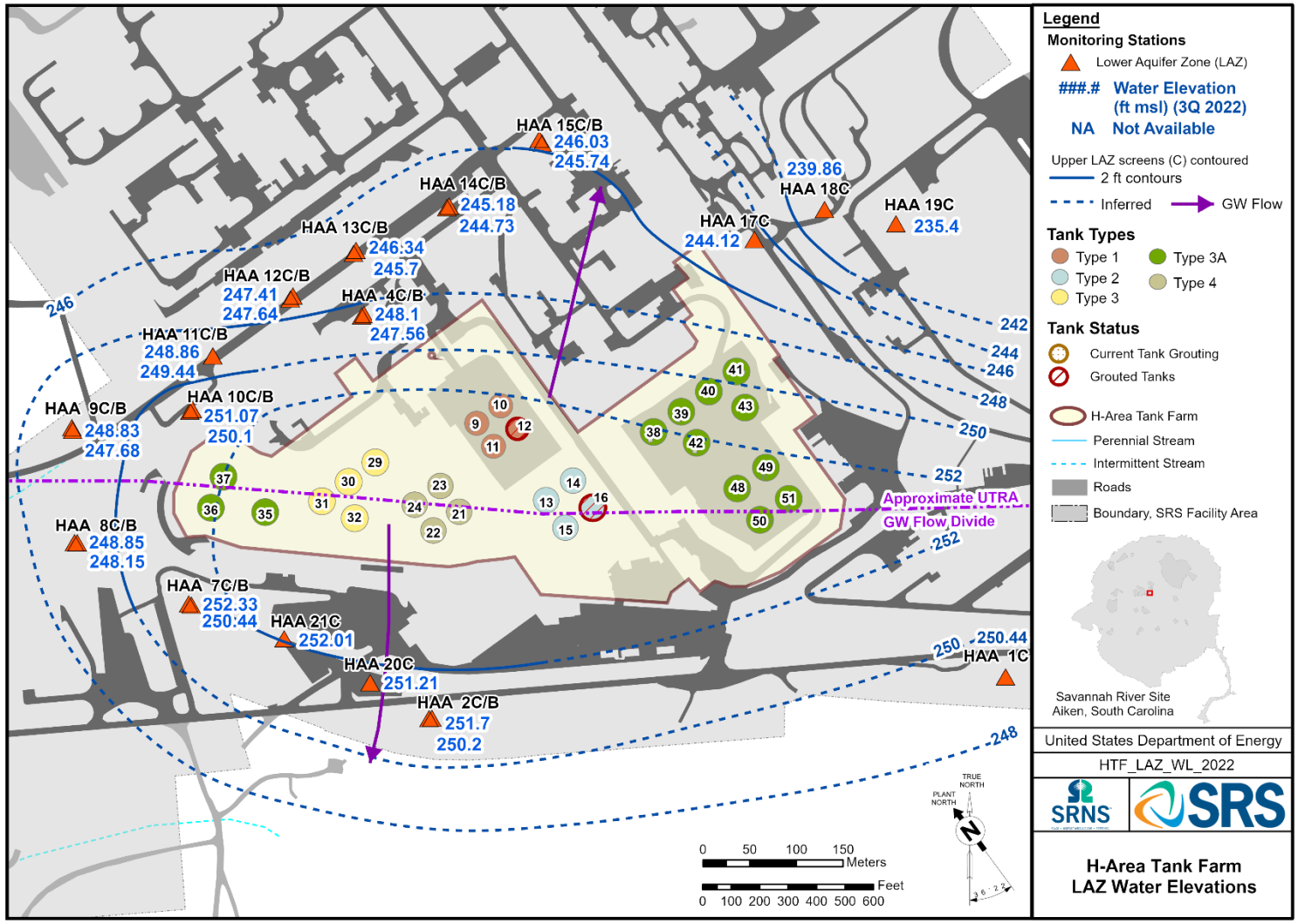

Figure 15. Water Elevation (ft above msl) for the LAZ of the UTRA during the Third Quarter of 2022

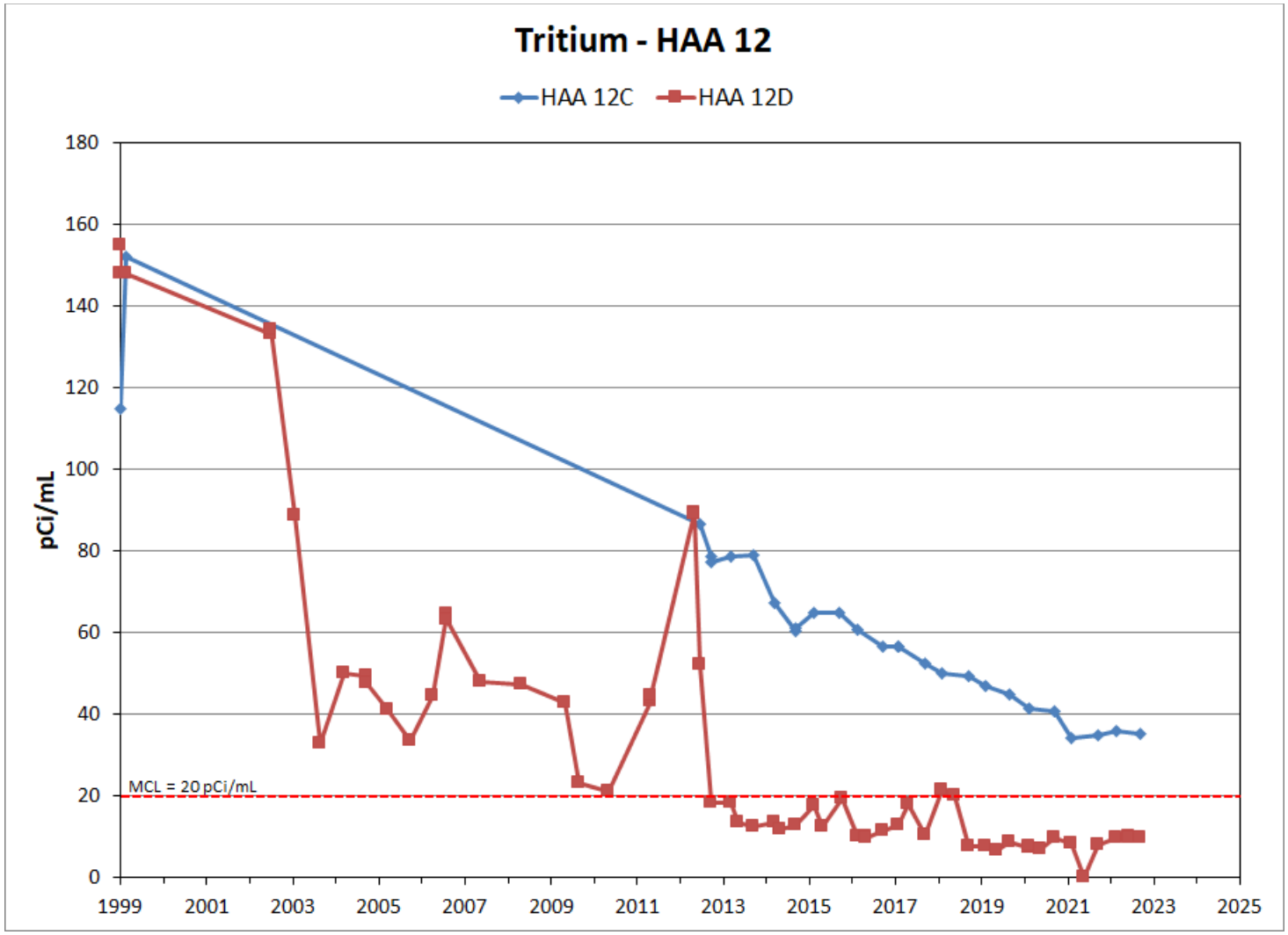

Figure 16. Tritium Results (pCi/mL) for HAA 12 Wells

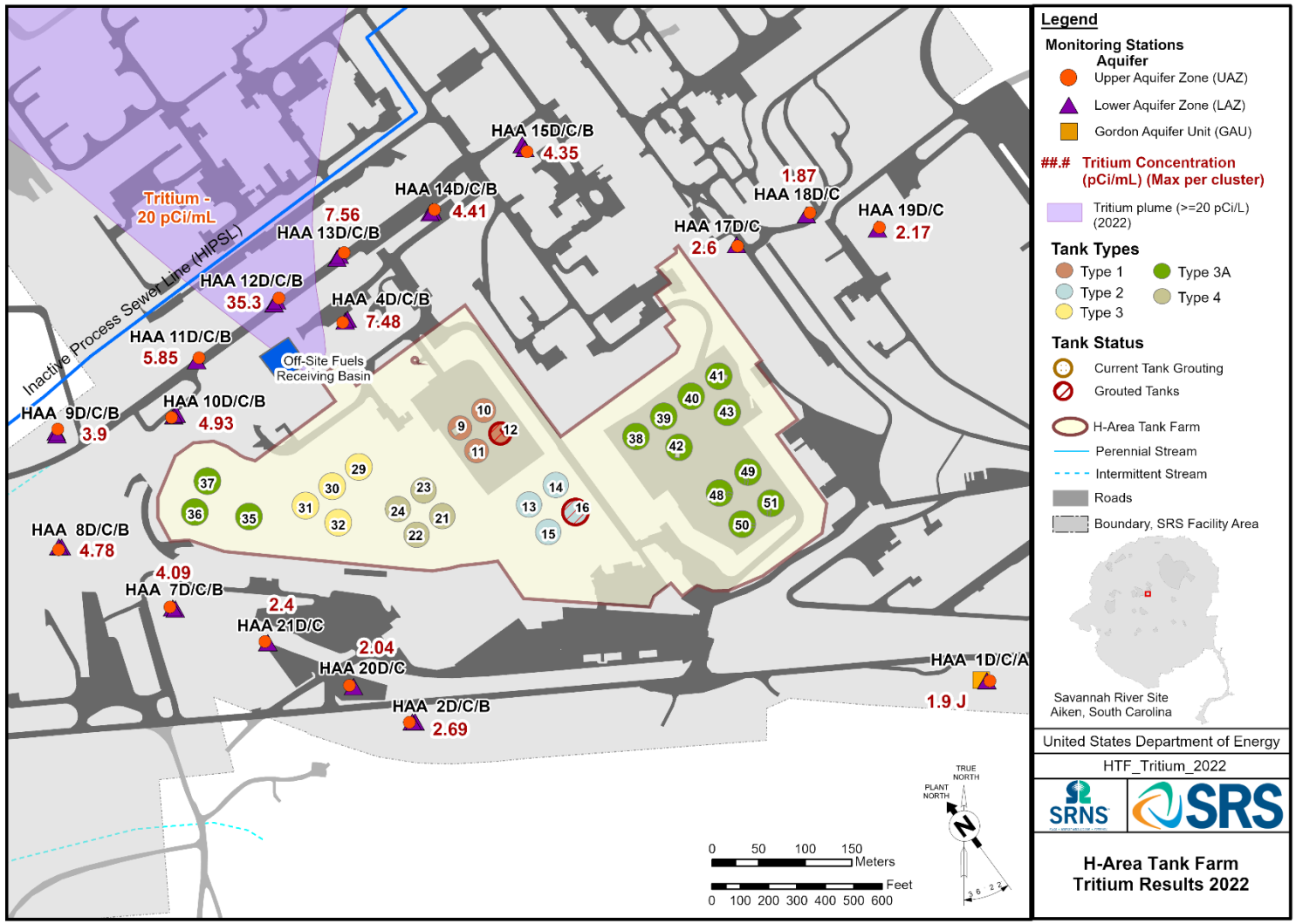

Figure 17. 2022 Tritium Results (pCi/mL) for the UTRA at the HTF

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

Facility	Well	Aquifer	Screen Depth *(Ft-bgs)*	Ground Elevation *(Ft-msl)*	UTM North	UTM East
FTF	FBG001C	LAZ	90 - 105	299.39	3682791.7	437085.5
FTF	FBG001D	UAZ	66 - 76	299.32	3682793.5	437083.0
FTF	FBG002D*	UAZ	62 - 72	279.72	3682621.6	437159.9
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 *(Ft-bgs)*	Ground Elevation *(Ft-msl)*	UTM North	UTM East
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

*Additional well not included in the FTF and HTF Monitoring Programs

Table 2a. Summary of 2022 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	16	2.74 mg/L	6.41 mg/L	10 mg/L	0
Cadmium	29	25	2	0.68 µg/L	1.03 µg/L	5 µg/L	0
Chromium	29	15	2	10.78 µg/L	50.3	100 µg/L	0
Manganese	29	1	21	49.6 µg/L	280 µg/L	430 µg/L	0
Sodium	29	0	16	8,174 µg/L	22,800 µg/L	NA	NA
Gross Alpha	31	8	9	3.19 pCi/L	9.21 pCi/L	15 pCi/L	0
Nonvolatile Beta	31	5	12	112.8 pCi/L	603 pCi/L	50 pCi/L	6[f]
Tritium	31	0	8	1.19 pCi/mL	1.75 pCi/mL	20 pCi/mL	0
Technetium-99	16	4	8	498 pCi/L	1,380 pCi/L	900 pCi/L	4[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 two wells (FTF 28 and FTF 19), Technetium-99 > MCL at one well (FTF 28)

Table 2b. Summary of Historical Groundwater Monitoring Results for the F-Area Tank Farm (2003 - 2020)

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	331	0	331	0.076-8.41	2.79	10	mg/L	0
Cadmium	248	169	12	U-1.87	0.47	5	µg/L	0
Chromium	301	222	3	U-46.1	5.90	100	µg/L	0
Manganese	242	13	194	U-2,060	126.70	430	µg/L	16
Sodium	301	7	272	U-39,300	6,976	NA	µg/L	NA
Gross Alpha	353	178	35	U-30.5	4.84	15	pCi/L	6
Nonvolatile Beta	353	82	138	U-959	156.70	50	pCi/L	84
Tritium	340	9	302	U-105	3.55	20	pCi/mL	7
Technetium-99	116	56	71	U-1,700	735.80	900	pCi/L	50

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 2022 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	117	2	59	1.11 mg/L	6.06 mg/L	10 mg/L	0
Cadmium	100	96	2	0.78 µg/L	1 µg/L	5 µg/L	0
Chromium	100	46	4	5.95 µg/L	30 µg/L	100 µg/L	0
Manganese	100	23	33	25.2 µg/L	319 µg/L	430 µg/L	0
Sodium	100	0	55	3,478 µg/L	17,700 µg/L	NA	NA
Gross Alpha	108	54	7	1.43 pCi/L	5.51 pCi/L	15 pCi/L	0
Nonvolatile Beta	110	35	20	4.75 pCi/L	110 J pCi/L	50 pCi/L	1[f]
Tritium	105	35	27	3.81 pCi/mL	35.3 pCi/mL	20 pCi/mL	2[f]
Technetium-99	107	97	1	19.14 pCi/L	47 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. Nonvolatile beta > MCL at one well (HAA 15C), Tritium > MCL at one well (HAA 12C)

Table 3b. Summary of Historical Groundwater Monitoring Results for the H-Area Tank Farm (2003 – 2020)

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	1,029	21	913	U-34.8	1.09	10	mg/L	1
Cadmium	996	860	2	U-5.53	0.31	5	µg/L	1
Chromium	983	536	26	U-487	7.77	100	µg/L	3
Manganese	859	210	335	U-1,280	50.92	430	µg/L	36
Sodium	983	9	863	U-27,700	3,910	NA	µg/L	NA
Gross Alpha	1,112	863	46	U-29.1	3.33	15	pCi/L	8
Nonvolatile Beta	1,166	828	88	U-223	6.46	50	pCi/L	3
Tritium	1,162	306	648	U-89.2	7.75	20	pCi/mL	50
Technetium-99	901	833	28	U-88.2	12.50	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

2022 Sample Results for F-Area Tank Farm

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Data Qualification

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

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

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF 28	2/16/2022	ACTINIUM-228	24[b]	9.28	pCi/L	U	U	20.9	41.3	
FTF 19	9/12/2022	ACTINIUM-228	24[b]	6.63	pCi/L	U	U	19	37.9	
FTF 28	2/16/2022	ACTINIUM-228	24[b]	5.15	pCi/L	U	U	21.6	53.4	
FTF 28	9/13/2022	ACTINIUM-228	24[b]	4.55	pCi/L	U	U	17.3	40.3	
FTF 19	2/14/2022	ACTINIUM-228	24[b]	4.09	pCi/L	U	U	18.1	41.3	
FTF 28	2/16/2022	ACTINIUM-228	24[b]	1.63	pCi/L	U	U	27.5	54.9	
FTF 19	9/12/2022	ACTINIUM-228	24[b]	0.0779	pCi/L	U	U	23	46.6	
FTF012R	2/14/2022	ACTINIUM-228	24[b]	-1.86	pCi/L	U	U	15.9	34	
FTF012R	2/14/2022	ACTINIUM-228	24[b]	-3.51	pCi/L	U	U	15.5	34.4	
FTF 28	9/13/2022	ACTINIUM-228	24[b]	-6.57	pCi/L	U	U	30.5	65.7	
FTF 19	2/14/2022	BISMUTH-214		252	pCi/L		J	7.64	39.8	9
FTF012R	2/14/2022	BISMUTH-214		248	pCi/L		J	7.16	38.8	9
FTF012R	2/14/2022	BISMUTH-214		218	pCi/L			6.91	36.9	
FTF 28	2/16/2022	BISMUTH-214		156	pCi/L		J	7.86	40.9	18
FTF 28	2/16/2022	BISMUTH-214		125	pCi/L		J	9.41	46.4	9
FTF 28	2/16/2022	BISMUTH-214		105	pCi/L		J	9.14	40.5	18
FTF 28	9/13/2022	BISMUTH-214		37.6	pCi/L	J	J	14.1	43.3	21
FTF 28	9/13/2022	BISMUTH-214		30.6	pCi/L	R	R	16.5	40.5	21;1
FTF 19	9/12/2022	BISMUTH-214		26	pCi/L			6.37	22	
FTF 19	9/12/2022	BISMUTH-214		24.7	pCi/L	J	J	10	32.6	21
FTF 19	9/12/2022	CADMIUM	5	1.03	ug/L			0.3	1	
FBG001C	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FBG001C	9/13/2022	CADMIUM	5	1	ug/L			1	1	S
FBG002D	9/12/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 19	2/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 20	9/12/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 20	2/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 22	9/12/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 22	2/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 23	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 23	2/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 28	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 28	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 28	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 28	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 29	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF 29	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF009R	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF009R	9/12/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF012R	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF012R	2/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF030	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF030	2/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF030D	2/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF030D	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF031	2/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FTF031	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
FBG001C	2/15/2022	CADMIUM	5	0.38	ug/L	J	U	0.5	1	
FBG001C	2/15/2022	CADMIUM	5	0.326	ug/L	J	J	0.3	1	21
FTF 28	9/13/2022	CARBON-14	2000	9.41	pCi/L	U	U	53.4	116	
FTF012R	2/14/2022	CARBON-14	2000	7.97	pCi/L	U	U	78.8	170	
FTF 19	9/12/2022	CARBON-14	2000	3.19	pCi/L	U	U	52.2	113	
FTF 19	2/14/2022	CARBON-14	2000	3.02	pCi/L	U	U	79.4	171	
FTF 28	9/13/2022	CARBON-14	2000	-2.89	pCi/L	U	U	52.3	113	
FTF 28	2/16/2022	CARBON-14	2000	-5.01	pCi/L	U	U	67.8	145	
FTF 19	9/12/2022	CARBON-14	2000	-9.33	pCi/L	U	U	52.3	112	
FTF 28	2/16/2022	CARBON-14	2000	-40.6	pCi/L	U	U	65.5	137	
FTF 28	2/16/2022	CARBON-14	2000	-51.1	pCi/L	U	U	66.9	139	
FTF 28	9/13/2022	CESIUM-137	200	1.43	pCi/L	U	U	4.39	8.65	
FTF 19	2/14/2022	CESIUM-137	200	0.867	pCi/L	U	U	3.65	8.11	
FTF012R	2/14/2022	CESIUM-137	200	-0.022	pCi/L	U	U	4.24	9.78	
FTF 28	2/16/2022	CESIUM-137	200	-0.134	pCi/L	U	U	5.33	11	
FTF 28	2/16/2022	CESIUM-137	200	-0.569	pCi/L	U	U	4.59	9.67	
FTF 19	9/12/2022	CESIUM-137	200	-0.81	pCi/L	U	U	4.39	10.1	
FTF012R	2/14/2022	CESIUM-137	200	-0.836	pCi/L	U	U	3.49	7.97	
FTF 19	9/12/2022	CESIUM-137	200	-1.63	pCi/L	U	U	4.22	9.9	
FTF 28	2/16/2022	CESIUM-137	200	-2.11	pCi/L	U	U	3.93	9.45	
FTF 28	9/13/2022	CESIUM-137	200	-3.68	pCi/L	U	U	6.83	15.4	
FTF030D	9/14/2022	CHROMIUM	100	50.3	ug/L			3	10	
FBG001C	9/13/2022	CHROMIUM	100	30	ug/L			30	30	S
FBG002D	9/12/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 19	2/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 19	9/12/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 20	9/12/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 22	9/12/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 23	9/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 23	2/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 28	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 28	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 28	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 28	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF 29	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF 29	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF009R	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FTF009R	9/12/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
FBG001C	2/15/2022	CHROMIUM	100	9.61	ug/L	J	J	3	10	21
FBG001C	2/15/2022	CHROMIUM	100	9.31	ug/L	J	U	15	30	
FTF012R	2/14/2022	CHROMIUM	100	8.11	ug/L	J	J	3	10	21
FTF030D	2/15/2022	CHROMIUM	100	7.95	ug/L	J	J	3	10	21
FTF030	2/15/2022	CHROMIUM	100	6.08	ug/L	J	J	3	10	21
FTF031	2/15/2022	CHROMIUM	100	5.15	ug/L	J	J	3	10	21
FTF 20	2/14/2022	CHROMIUM	100	5.06	ug/L	J	J	3	10	21
FBG001C	9/13/2022	CHROMIUM	100	4.94	ug/L	J	J	3	10	21
FTF030	9/14/2022	CHROMIUM	100	3.96	ug/L	J	J	3	10	21
FTF012R	9/13/2022	CHROMIUM	100	3.72	ug/L	J	J	3	10	21
FTF031	9/14/2022	CHROMIUM	100	3.4	ug/L	J	J	3	10	21
FTF 22	2/14/2022	CHROMIUM	100	3.31	ug/L	J	J	3	10	21
FTF 28	2/16/2022	COBALT-60	100	2.03	pCi/L	U	U	5.09	9.39	
FTF 19	9/12/2022	COBALT-60	100	0.663	pCi/L	U	U	4.34	8.28	
FTF 28	2/16/2022	COBALT-60	100	0.231	pCi/L	U	U	5.52	11	
FTF 28	9/13/2022	COBALT-60	100	0.207	pCi/L	U	U	3.73	7.19	
FTF 19	2/14/2022	COBALT-60	100	0.157	pCi/L	U	U	3.75	7.79	
FTF012R	2/14/2022	COBALT-60	100	-0.0522	pCi/L	U	U	3.9	8.12	
FTF012R	2/14/2022	COBALT-60	100	-0.636	pCi/L	U	U	3.72	7.74	
FTF 28	9/13/2022	COBALT-60	100	-0.98	pCi/L	U	U	6.69	13.7	
FTF 28	2/16/2022	COBALT-60	100	-1.16	pCi/L	U	U	5.88	12.2	
FTF 19	9/12/2022	COBALT-60	100	-1.46	pCi/L	U	U	3.62	7.8	
FTF 29	9/13/2022	DEPTH_TO_WATER	NA	87.95	ft					
FTF 29	2/16/2022	DEPTH_TO_WATER	NA	86.82	ft					
FTF 28	9/13/2022	DEPTH_TO_WATER	NA	85.38	ft					
FBG001C	9/13/2022	DEPTH_TO_WATER	NA	85.32	ft					
FBG001C	2/15/2022	DEPTH_TO_WATER	NA	84.46	ft					
FTF 28	2/16/2022	DEPTH_TO_WATER	NA	84.38	ft					
FTF030	9/14/2022	DEPTH_TO_WATER	NA	83.42	ft					
FTF030	2/15/2022	DEPTH_TO_WATER	NA	82.3	ft					
FBG001D	2/15/2022	DEPTH_TO_WATER	NA	78	ft					
FTF030D	9/14/2022	DEPTH_TO_WATER	NA	76.95	ft					
FTF009R	9/12/2022	DEPTH_TO_WATER	NA	75.82	ft					
FTF030D	2/15/2022	DEPTH_TO_WATER	NA	75.63	ft					
FTF009R	2/16/2022	DEPTH_TO_WATER	NA	74.38	ft					
FTF031	9/14/2022	DEPTH_TO_WATER	NA	69.66	ft					
FTF012R	9/13/2022	DEPTH_TO_WATER	NA	68.9	ft					
FTF031	2/15/2022	DEPTH_TO_WATER	NA	68.43	ft					
FTF012R	2/14/2022	DEPTH_TO_WATER	NA	67.71	ft					
FTF 20	9/12/2022	DEPTH_TO_WATER	NA	66.91	ft					
FTF 22	9/12/2022	DEPTH_TO_WATER	NA	66.55	ft					
FTF 19	9/12/2022	DEPTH_TO_WATER	NA	66.34	ft					
FTF 23	9/14/2022	DEPTH_TO_WATER	NA	65.96	ft					
FTF 20	2/14/2022	DEPTH_TO_WATER	NA	65.7	ft					
FTF 22	2/14/2022	DEPTH_TO_WATER	NA	65.51	ft					
FTF 19	2/14/2022	DEPTH_TO_WATER	NA	65.2	ft					
FTF 23	2/14/2022	DEPTH_TO_WATER	NA	64.4	ft					
FBG002D	9/12/2022	DEPTH_TO_WATER	NA	58.5	ft					
FTF 23	9/14/2022	GROSS ALPHA	15	9.21	pCi/L			0.81	3.23	
FTF 20	2/14/2022	GROSS ALPHA	15	6.75	pCi/L		J	0.803	2.78	9
FTF030D	9/14/2022	GROSS ALPHA	15	6.75	pCi/L			0.763	3.42	
FTF 20	9/12/2022	GROSS ALPHA	15	6.48	pCi/L			0.57	2.07	
FTF 23	2/14/2022	GROSS ALPHA	15	5.75	pCi/L		J	1.87	4.57	9
FTF012R	9/13/2022	GROSS ALPHA	15	4	pCi/L			0.953	3.47	
FTF 22	2/14/2022	GROSS ALPHA	15	3.41	pCi/L		J	0.61	2.38	9
FTF 19	9/12/2022	GROSS ALPHA	15	3.4	pCi/L			0.735	1.98	
FTF012R	9/13/2022	GROSS ALPHA	15	3.18	pCi/L			0.509	1.6	
FTF030D	2/15/2022	GROSS ALPHA	15	3.07	pCi/L		J	0.893	2.44	9
FTF 22	9/12/2022	GROSS ALPHA	15	2.77	pCi/L			0.437	1.36	
FTF 28	9/13/2022	GROSS ALPHA	15	2.59	pCi/L		J	0.774	2.56	9
FTF012R	2/14/2022	GROSS ALPHA	15	2.51	pCi/L		J	0.517	1.69	9
FTF 19	2/14/2022	GROSS ALPHA	15	2.29	pCi/L			0.869	2.29	S
FBG001C	9/13/2022	GROSS ALPHA	15	1.76	pCi/L			0.326	1.05	
FBG001C	2/15/2022	GROSS ALPHA	15	1.62	pCi/L	J	J	0.691	1.8	21
FTF 19	2/14/2022	GROSS ALPHA	15	1.62	pCi/L	J	J	0.918	2.23	21
FBG001C	9/13/2022	GROSS ALPHA	15	1.61	pCi/L		J	0.674	2.01	21
FTF031	9/14/2022	GROSS ALPHA	15	1.34	pCi/L	J	J	0.727	1.92	21
FTF030	2/15/2022	GROSS ALPHA	15	1.25	pCi/L	J	J	0.58	1.62	21
FTF 28	2/16/2022	GROSS ALPHA	15	0.83	pCi/L	J	J	0.32	0.886	21
FBG001C	2/15/2022	GROSS ALPHA	15	0.704	pCi/L		J		1.58	21
FBG002D	9/12/2022	GROSS ALPHA	15	0.571	pCi/L	U	U	0.648	1.53	
FTF 29	2/16/2022	GROSS ALPHA	15	0.508	pCi/L	U	U	0.589	1.34	
FTF031	2/15/2022	GROSS ALPHA	15	0.47	pCi/L	U	U	0.955	2.09	
FTF 29	9/13/2022	GROSS ALPHA	15	0.464	pCi/L	U	U	0.873	1.91	
FTF 28	2/16/2022	GROSS ALPHA	15	0.362	pCi/L	J	J	0.348	0.836	21
FTF030	9/14/2022	GROSS ALPHA	15	0.332	pCi/L	U	U	0.781	1.69	
FTF009R	2/16/2022	GROSS ALPHA	15	0.326	pCi/L	U	U	0.607	1.36	
FTF009R	9/12/2022	GROSS ALPHA	15	0.237	pCi/L	U	U	0.728	1.55	
FTF 28	9/13/2022	GROSS ALPHA	15	0.117	pCi/L	U	UJ	0.569	1.23	9

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF012R	9/13/2022	IODINE-129	1	0.827	pCi/L	J	J	0.521	1.76	21
FTF012R	9/13/2022	IODINE-129	1	0.681	pCi/L	J	J	0.588	1.63	21
FTF 20	2/14/2022	IODINE-129	1	0.636	pCi/L	U	U	1.24	2.44	
FTF 23	9/14/2022	IODINE-129	1	0.359	pCi/L	U	U	0.912	1.65	
FBG001C	2/15/2022	IODINE-129	1	0.3505	pCi/L	U	U	0.529	1.175	
FTF 19	2/14/2022	IODINE-129	1	0.315	pCi/L	U	U	1.08	2.18	
FTF 29	9/13/2022	IODINE-129	1	0.27	pCi/L	U	U	0.947	1.91	
FTF012R	2/14/2022	IODINE-129	1	0.27	pCi/L	U	U	1.21	2.26	
FTF030D	9/14/2022	IODINE-129	1	0.259	pCi/L	U	U	1.02	1.82	
FTF 28	9/13/2022	IODINE-129	1	0.257	pCi/L	U	U	1.3	2.74	
FTF 23	2/14/2022	IODINE-129	1	0.243	pCi/L	U	U	1.04	1.88	
FBG001C	9/13/2022	IODINE-129	1	0.217	pCi/L	U	U	0.937	1.77	
FTF 19	9/12/2022	IODINE-129	1	0.183	pCi/L	U	U	0.635	1.49	
FTF030D	2/15/2022	IODINE-129	1	0.165	pCi/L	U	U	0.76	1.29	
FTF 28	2/16/2022	IODINE-129	1	0.134	pCi/L	U	U	0.972	1.79	
FBG001C	2/15/2022	IODINE-129	1	0.116	pCi/L	U	U	0.964	1.96	
FTF031	2/15/2022	IODINE-129	1	0.107	pCi/L	U	U	0.962	1.96	
FTF030	2/15/2022	IODINE-129	1	0.0796	pCi/L	U	U	0.957	1.9	
FBG001C	9/13/2022	IODINE-129	1	0.0576	pCi/L	U	R	0.61	1.21	Q
FTF 28	2/16/2022	IODINE-129	1	0.0568	pCi/L	U	U	1.08	2.33	
FBG002D	9/12/2022	IODINE-129	1	0.0127	pCi/L	U	U	0.379	0.799	
FBG001C	2/15/2022	IODINE-129	1	0	pCi/L	U	U	0.538	1.162	
FTF009R	9/12/2022	IODINE-129	1	-0.00042	pCi/L	U	U	0.266	0.544	
FTF 29	2/16/2022	IODINE-129	1	-0.0169	pCi/L	U	U	0.973	2.07	
FTF030	9/14/2022	IODINE-129	1	-0.0189	pCi/L	U	U	1.16	2.28	
FTF009R	2/16/2022	IODINE-129	1	-0.0308	pCi/L	U	U	0.783	1.57	
FTF031	9/14/2022	IODINE-129	1	-0.041	pCi/L	U	U	0.788	1.62	
FTF 22	9/12/2022	IODINE-129	1	-0.064	pCi/L	U	U	0.885	1.84	
FTF 28	9/13/2022	IODINE-129	1	-0.075	pCi/L	U	U	0.8	1.59	
FTF 20	9/12/2022	IODINE-129	1	-0.0834	pCi/L	U	U	1.25	2.82	
FTF 22	2/14/2022	IODINE-129	1	-0.168	pCi/L	U	U	0.834	1.78	
FTF 28	2/16/2022	LEAD-212	1.8[b]	5.4	pCi/L	U	U	10.8	32	
FTF012R	2/14/2022	LEAD-212	1.8[b]	4.99	pCi/L	U	U	6.95	24.3	
FTF012R	2/14/2022	LEAD-212	1.8[b]	3.6	pCi/L	U	U	6.74	21.9	
FTF 28	2/16/2022	LEAD-212	1.8[b]	2.89	pCi/L	U	U	7.98	21.1	
FTF 28	2/16/2022	LEAD-212	1.8[b]	1.96	pCi/L	U	U	8.15	23.2	
FTF 19	2/14/2022	LEAD-212	1.8[b]	1.92	pCi/L	U	U	7.28	18.4	
FTF 28	9/13/2022	LEAD-212	1.8[b]	1.06	pCi/L	U	U	9.65	21	
FTF 19	9/12/2022	LEAD-212	1.8[b]	0.662	pCi/L	U	U	8.77	18.6	
FTF 28	9/13/2022	LEAD-212	1.8[b]	-0.896	pCi/L	U	U	8.98	19.9	
FTF 19	9/12/2022	LEAD-212	1.8[b]	-5.01	pCi/L	U	U	9.63	22.4	
FTF 19	**2/14/2022**	**LEAD-214**	**130[b]**	**290**	**pCi/L**		**J**	**32.4**	**64.8**	**9**
FTF012R	**2/14/2022**	**LEAD-214**	**130[b]**	**257**	**pCi/L**		**J**	**8.21**	**40.2**	**9**
FTF012R	**2/14/2022**	**LEAD-214**	**130[b]**	**251**	**pCi/L**			**31.4**	**62.2**	
FTF 28	**2/16/2022**	**LEAD-214**	**130[b]**	**135**	**pCi/L**			**30.3**	**62.3**	
FTF 28	**2/16/2022**	**LEAD-214**	**130[b]**	**131**	**pCi/L**			**10.2**	**46.2**	
FTF 28	2/16/2022	LEAD-214	130[b]	115	pCi/L		J	12.3	48.1	9
FTF 19	9/12/2022	LEAD-214	130[b]	27.9	pCi/L	J	J	9.12	32.1	21
FTF 28	9/13/2022	LEAD-214	130[b]	25.5	pCi/L	J	J	8.43	32.6	21
FTF 28	9/13/2022	LEAD-214	130[b]	20.5	pCi/L	J	J	12.2	42.8	21
FTF 19	9/12/2022	LEAD-214	130[b]	13.7	pCi/L	U	U	17.6	44.2	
FBG002D	9/12/2022	MANGANESE	430[a]	280	ug/L			1	5	
FTF009R	2/16/2022	MANGANESE	430[a]	135	ug/L		J	1	5	9
FTF009R	9/12/2022	MANGANESE	430[a]	125	ug/L			1	5	
FBG001C	2/15/2022	MANGANESE	430[a]	103	ug/L		J	1	5	9
FBG001C	2/15/2022	MANGANESE	430[a]	99.5	ug/L			2.5	5	
FBG001C	9/13/2022	MANGANESE	430[a]	97.1	ug/L			1	5	
FBG001C	9/13/2022	MANGANESE	430[a]	96.8	ug/L			5	5	
FTF030D	9/14/2022	MANGANESE	430[a]	78.5	ug/L			1	5	
FTF030D	2/15/2022	MANGANESE	430[a]	71.9	ug/L		J	1	5	9
FTF 20	2/14/2022	MANGANESE	430[a]	51.4	ug/L		J	1	5	9
FTF 20	9/12/2022	MANGANESE	430[a]	46.1	ug/L			1	5	
FTF030	2/15/2022	MANGANESE	430[a]	22.3	ug/L		J	1	5	9
FTF030	9/14/2022	MANGANESE	430[a]	18.2	ug/L			1	5	
FTF031	2/15/2022	MANGANESE	430[a]	17.6	ug/L		J	1	5	9
FTF031	9/14/2022	MANGANESE	430[a]	17.1	ug/L			1	5	
FTF012R	9/13/2022	MANGANESE	430[a]	15.7	ug/L			1	5	
FTF 23	9/14/2022	MANGANESE	430[a]	13.3	ug/L			1	5	
FTF 28	2/16/2022	MANGANESE	430[a]	11.6	ug/L			1	5	
FTF 23	2/14/2022	MANGANESE	430[a]	11.4	ug/L			1	5	
FTF 28	9/13/2022	MANGANESE	430[a]	11.3	ug/L			1	5	
FTF 28	9/13/2022	MANGANESE	430[a]	11.3	ug/L			1	5	
FTF 28	2/16/2022	MANGANESE	430[a]	11.1	ug/L			1	5	
FTF 22	2/14/2022	MANGANESE	430[a]	10.6	ug/L			1	5	
FTF 22	9/12/2022	MANGANESE	430[a]	8.64	ug/L			1	5	
FTF 19	9/12/2022	MANGANESE	430[a]	8.06	ug/L			1	5	
FTF012R	2/14/2022	MANGANESE	430[a]	7.93	ug/L			1	5	
FTF 19	2/14/2022	MANGANESE	430[a]	7.54	ug/L			1	5	
FTF 29	9/13/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
FTF 29	2/16/2022	MANGANESE	430[a]	1.08	ug/L	J	J	1	5	9;21
FTF 19	2/14/2022	NICKEL-59	300	42.8	pCi/L	U	U	194	364	
FTF012R	2/14/2022	NICKEL-59	300	13.9	pCi/L	U	U	160	301	

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF 19	9/12/2022	NICKEL-59	300	10.2	pCi/L	UJ	U	32.4	56.4	V
FTF012R	2/14/2022	NICKEL-59	300	0.367	pCi/L	U	U	276	566	
FTF 19	9/12/2022	NICKEL-59	300	-8.76	pCi/L	UJ	U	71.8	145	V
FTF 28	9/13/2022	NICKEL-59	300	-16.4	pCi/L	UJ	U	49.9	109	V
FTF 28	9/13/2022	NICKEL-59	300	-19.8	pCi/L	UJ	U	57	123	V
FTF 28	2/16/2022	NICKEL-59	300	-64.2	pCi/L	U	U	266	570	
FTF 28	2/16/2022	NICKEL-59	300	-1210	pCi/L	UJ	UJ	261	703	L
FTF 28	2/16/2022	NICKEL-63	50	326	pCi/L	U	U	795	1730	
FTF012R	2/14/2022	NICKEL-63	50	277	pCi/L	U	U	817	1780	
FTF 28	9/13/2022	NICKEL-63	50	79.7	pCi/L	U	U	457	989	
FTF 19	2/14/2022	NICKEL-63	50	58.6	pCi/L	U	U	824	1770	
FTF 19	9/12/2022	NICKEL-63	50	35.3	pCi/L	U	U	402	868	
FTF 28	2/16/2022	NICKEL-63	50	16.1	pCi/L	U	U	833	1790	
FTF012R	2/14/2022	NICKEL-63	50	-39.9	pCi/L	U	U	842	1800	
FTF 28	9/13/2022	NICKEL-63	50	-90.7	pCi/L	U	U	454	970	
FTF 19	9/12/2022	NICKEL-63	50	-167	pCi/L	U	U	417	887	
FBG001C	2/15/2022	NITRATE-NITRITE AS NITROGEN	10	6.41	mg/L	J	J	0.079	0.25	9
FBG001C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	6.41	mg/L			0.0158	0.05	
FBG001C	2/15/2022	NITRATE-NITRITE AS NITROGEN	10	6.25	mg/L			0.5	1	
FBG001C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	6.2	mg/L			1	1	
FTF 29	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	3.29	mg/L	J	J	0.0158	0.05	9
FTF 23	2/14/2022	NITRATE-NITRITE AS NITROGEN	10	3.01	mg/L	J	J	0.0158	0.05	9
FTF 29	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	2.94	mg/L			0.0158	0.05	
FTF009R	9/12/2022	NITRATE-NITRITE AS NITROGEN	10	2.73	mg/L			0.0158	0.05	
FTF 23	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.58	mg/L			0.0158	0.05	
FTF031	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.51	mg/L			0.0158	0.05	
FTF030	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.44	mg/L			0.0158	0.05	
FTF030	2/15/2022	NITRATE-NITRITE AS NITROGEN	10	2.44	mg/L	J	J	0.0158	0.05	9
FTF031	2/15/2022	NITRATE-NITRITE AS NITROGEN	10	2.38	mg/L	J	J	0.0158	0.05	9
FTF009R	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	2.37	mg/L	J	J	0.0158	0.05	9
FTF030D	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.33	mg/L			0.0158	0.05	
FTF 28	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	2.24	mg/L	J	J	0.0158	0.05	9
FTF 28	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	2.16	mg/L			0.0158	0.05	
FTF 28	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	2.16	mg/L			0.0158	0.05	
FTF030D	2/15/2022	NITRATE-NITRITE AS NITROGEN	10	2.16	mg/L	J	J	0.0158	0.05	9
FTF 28	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	2.09	mg/L	J		0.0158	0.05	
FTF 22	2/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.93	mg/L	J	J	0.0158	0.05	9
FBG002D	9/12/2022	NITRATE-NITRITE AS NITROGEN	10	1.9	mg/L			0.0158	0.05	
FTF012R	2/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.83	mg/L	J	J	0.0158	0.05	9
FTF 19	9/12/2022	NITRATE-NITRITE AS NITROGEN	10	1.72	mg/L			0.0158	0.05	
FTF 22	9/12/2022	NITRATE-NITRITE AS NITROGEN	10	1.6	mg/L			0.0158	0.05	
FTF012R	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	1.56	mg/L			0.0158	0.05	
FTF 19	2/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.55	mg/L	J	J	0.0158	0.05	9
FTF 20	2/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.25	mg/L	J	J	0.0158	0.05	9
FTF 20	9/12/2022	NITRATE-NITRITE AS NITROGEN	10	0.966	mg/L			0.0158	0.05	
FTF 28	**2/16/2022**	**NONVOLATILE BETA**	**50**	**697**	**pCi/L**		**J**	**0.529**	**8.71**	**9**
FTF 28	**9/13/2022**	**NONVOLATILE BETA**	**50**	**603**	**pCi/L**			**0.966**	**14.2**	
FTF 28	**2/16/2022**	**NONVOLATILE BETA**	**50**	**577**	**pCi/L**			**0.694**	**8.13**	
FTF 28	**9/13/2022**	**NONVOLATILE BETA**	**50**	**519**	**pCi/L**			**0.984**	**13.3**	
FTF 19	**2/14/2022**	**NONVOLATILE BETA**	**50**	**178**	**pCi/L**			**1.33**	**7.37**	
FTF 19	**2/14/2022**	**NONVOLATILE BETA**	**50**	**174**	**pCi/L**		**J**	**1.65**	**7.73**	**9**
FTF012R	9/13/2022	NONVOLATILE BETA	50	33.7	pCi/L			0.839	4.94	
FTF012R	9/13/2022	NONVOLATILE BETA	50	31.5	pCi/L			0.666	2.57	
FTF012R	2/14/2022	NONVOLATILE BETA	50	26.6	pCi/L		J	0.811	3.23	9
FTF 19	9/12/2022	NONVOLATILE BETA	50	19.7	pCi/L			0.638	2.21	
FTF 20	2/14/2022	NONVOLATILE BETA	50	15	pCi/L		J	1.44	3.8	9
FTF 20	9/12/2022	NONVOLATILE BETA	50	9.84	pCi/L			0.528	1.69	
FTF031	2/15/2022	NONVOLATILE BETA	50	6.34	pCi/L		J	1.3	3.15	9
FTF 29	9/13/2022	NONVOLATILE BETA	50	5.25	pCi/L			0.729	1.84	
FTF030D	9/14/2022	NONVOLATILE BETA	50	4.67	pCi/L			0.965	2.73	
FTF 29	2/16/2022	NONVOLATILE BETA	50	4.09	pCi/L		J	0.739	1.8	9
FTF009R	2/16/2022	NONVOLATILE BETA	50	3.97	pCi/L		J	0.945	2.5	9
FTF030D	2/15/2022	NONVOLATILE BETA	50	3.79	pCi/L		J	1.54	3.52	9
FTF 23	2/14/2022	NONVOLATILE BETA	50	3.69	pCi/L		J	1.46	3.36	9
FBG001C	9/13/2022	NONVOLATILE BETA	50	3.11	pCi/L		J	1.51	3.99	21
FTF 23	9/14/2022	NONVOLATILE BETA	50	2.96	pCi/L			0.993	2.44	
FBG001C	9/13/2022	NONVOLATILE BETA	50	2.86	pCi/L			0.46	1.21	
FBG001C	2/15/2022	NONVOLATILE BETA	50	2.56	pCi/L	J	J	1.68	3.76	21
FBG001C	2/15/2022	NONVOLATILE BETA	50	2.51	pCi/L		J		5.01	21
FTF 22	2/14/2022	NONVOLATILE BETA	50	1.59	pCi/L	J	J	0.952	2.27	21
FTF 22	9/12/2022	NONVOLATILE BETA	50	1.04	pCi/L	J	J	0.567	1.3	21
FBG002D	9/12/2022	NONVOLATILE BETA	50	0.976	pCi/L	U	U	0.988	2.24	
FTF030	9/14/2022	NONVOLATILE BETA	50	0.891	pCi/L	U	U	0.965	2.18	
FTF030	2/15/2022	NONVOLATILE BETA	50	0.738	pCi/L	U	U	0.977	2.18	
FTF031	9/14/2022	NONVOLATILE BETA	50	0.574	pCi/L	U	U	0.966	2.13	
FTF009R	9/12/2022	NONVOLATILE BETA	50	0.505	pCi/L	U	U	0.98	2.15	
FTF 29	2/16/2022	PH	NA	7.3	pH					
FTF 29	9/13/2022	PH	NA	7.2	pH					
FTF 19	2/14/2022	PH	NA	6.7	pH					
FTF012R	2/14/2022	PH	NA	6.5	pH					
FTF012R	9/13/2022	PH	NA	6.2	pH					
FTF 19	9/12/2022	PH	NA	6.1	pH					

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF 20	2/14/2022	PH	NA	6	pH					
FTF 20	9/12/2022	PH	NA	5.9	pH					
FTF 22	2/14/2022	PH	NA	5.6	pH					
FTF 22	9/12/2022	PH	NA	5.5	pH					
FTF030	2/15/2022	PH	NA	5.5	pH					
FTF030	9/14/2022	PH	NA	5.5	pH					
FTF 23	2/14/2022	PH	NA	5.2	pH					
FTF 28	9/13/2022	PH	NA	5.1	pH					
FTF030D	9/14/2022	PH	NA	5.1	pH					
FBG002D	9/12/2022	PH	NA	5	pH					
FTF 28	2/16/2022	PH	NA	5	pH					
FTF009R	2/16/2022	PH	NA	5	pH					
FTF030D	2/15/2022	PH	NA	5	pH					
FTF031	2/15/2022	PH	NA	5	pH					
FBG001C	2/15/2022	PH	NA	4.9	pH					
FTF 23	9/14/2022	PH	NA	4.9	pH					
FBG001C	9/13/2022	PH	NA	4.8	pH					
FTF009R	9/12/2022	PH	NA	4.8	pH					
FTF031	9/14/2022	PH	NA	4.7	pH					
FBG001D	2/15/2022	PH	NA		pH					
FTF012R	2/14/2022	POTASSIUM-40	0.83[b]	18.4	pCi/L	U	U	37.3	108	
FTF 19	2/14/2022	POTASSIUM-40	0.83[b]	8.58	pCi/L	U	U	42.5	106	
FTF 28	2/16/2022	POTASSIUM-40	0.83[b]	1.31	pCi/L	U	U	89.3	174	
FTF 28	2/16/2022	POTASSIUM-40	0.83[b]	-4.4	pCi/L	U	U	72	153	
FTF 28	9/13/2022	POTASSIUM-40	0.83[b]	-6.02	pCi/L	U	U	63.4	131	
FTF 19	9/12/2022	POTASSIUM-40	0.83[b]	-12	pCi/L	U	U	75.6	148	
FTF 19	9/12/2022	POTASSIUM-40	0.83[b]	-13	pCi/L	U	U	66.3	135	
FTF012R	2/14/2022	POTASSIUM-40	0.83[b]	-21.5	pCi/L	U	U	49.5	112	
FTF 28	2/16/2022	POTASSIUM-40	0.83[b]	-24.6	pCi/L	U	U	53.7	112	
FTF 28	9/13/2022	POTASSIUM-40	0.83[b]	-73.3	pCi/L	U	U	86	194	
FTF 19	9/12/2022	PROMETHIUM-147	600	17	pCi/L	U	U	79.5	173	
FTF 28	9/13/2022	PROMETHIUM-147	600	14.4	pCi/L	U	U	81.8	177	
FTF 19	9/12/2022	PROMETHIUM-147	600	13.4	pCi/L	U	U	75.1	163	
FTF 19	2/14/2022	PROMETHIUM-147	600	12.2	pCi/L	U	U	45.4	99	
FTF012R	2/14/2022	PROMETHIUM-147	600	7.49	pCi/L	U	U	29.2	63.8	
FTF 28	2/16/2022	PROMETHIUM-147	600	6.76	pCi/L	U	U	23.8	52	
FTF 28	2/16/2022	PROMETHIUM-147	600	6.15	pCi/L	U	U	26.8	58.4	
FTF 28	2/16/2022	PROMETHIUM-147	600	0.884	pCi/L	U	U	22.6	49.2	
FTF 28	9/13/2022	PROMETHIUM-147	600	-8.44	pCi/L	U	U	84.3	182	
FTF 19	**2/14/2022**	**RADIUM-226**	**5**	**8.47**	**pCi/L**		**J**	**0.655**	**3.1**	**9**
FTF012R	**2/14/2022**	**RADIUM-226**	**5**	**6.03**	**pCi/L**		**J**	**0.448**	**2.57**	**9**
FTF 19	9/12/2022	RADIUM-226	5	2.72	pCi/L			0.558	2.09	
FTF 19	9/12/2022	RADIUM-226	5	2.37	pCi/L			0.443	1.71	
FTF 28	9/13/2022	RADIUM-226	5	0.94	pCi/L	J	J	0.257	0.977	21
FTF 28	2/16/2022	RADIUM-226	5	0.558	pCi/L	J	J	0.472	1.16	9;21
FTF 28	9/13/2022	RADIUM-226	5	0.53	pCi/L	J	J	0.466	1.16	21
FTF 28	2/16/2022	RADIUM-226	5	0.276	pCi/L	U	U	0.442	0.994	
FTF 19	9/12/2022	RADIUM-228	5	0.969	pCi/L	J	J	0.672	1.6	21
FTF 19	2/14/2022	RADIUM-228	5	0.785	pCi/L	U	J	0.463	1.15	V;21
FTF012R	2/14/2022	RADIUM-228	5	0.74	pCi/L	U	J	0.52	1.25	V;21
FTF 28	2/16/2022	RADIUM-228	5	0.383	pCi/L	U	U	0.543	1.21	
FTF 28	2/16/2022	RADIUM-228	5	0.369	pCi/L	U	U	0.501	1.12	
FTF 19	9/12/2022	RADIUM-228	5	0.368	pCi/L	U	U	0.776	1.69	
FTF 28	9/13/2022	RADIUM-228	5	0.297	pCi/L	U	U	0.811	1.75	
FTF 28	9/13/2022	RADIUM-228	5	0.278	pCi/L	U	U	0.732	1.58	
FTF 28	2/16/2022	RADIUM-228	5	0.27	pCi/L	U	U	0.628	1.36	
FTF 20	9/12/2022	SODIUM	NA	22800	ug/L			80	250	
FTF 22	9/12/2022	SODIUM	NA	21500	ug/L			80	250	
FTF 19	9/12/2022	SODIUM	NA	20400	ug/L			80	250	
FTF 22	2/14/2022	SODIUM	NA	20000	ug/L		J	80	250	9
FTF 19	2/14/2022	SODIUM	NA	19900	ug/L		J	80	250	9
FTF 20	2/14/2022	SODIUM	NA	13100	ug/L		J	80	250	9
FTF030D	2/15/2022	SODIUM	NA	12100	ug/L		J	80	250	9
FTF 23	2/14/2022	SODIUM	NA	7850	ug/L		J	80	250	9
FTF 23	9/14/2022	SODIUM	NA	7020	ug/L			80	250	
FBG001C	2/15/2022	SODIUM	NA	6560	ug/L		J	80	250	9
FTF030D	9/14/2022	SODIUM	NA	6520	ug/L			80	250	
FBG001C	2/15/2022	SODIUM	NA	6410	ug/L		J	1500	3000	V
FBG001C	9/13/2022	SODIUM	NA	5840	ug/L			80	250	
FBG001C	9/13/2022	SODIUM	NA	5420	ug/L			3000	3000	
FTF030	2/15/2022	SODIUM	NA	5410	ug/L		J	80	250	9
FTF030	9/14/2022	SODIUM	NA	5400	ug/L			80	250	
FTF 29	2/16/2022	SODIUM	NA	5280	ug/L		J	80	250	9
FBG002D	9/12/2022	SODIUM	NA	4880	ug/L			80	250	
FTF031	2/15/2022	SODIUM	NA	4580	ug/L		J	80	250	9
FTF031	9/14/2022	SODIUM	NA	4290	ug/L			80	250	
FTF012R	2/14/2022	SODIUM	NA	4260	ug/L		J	80	250	9
FTF 29	9/13/2022	SODIUM	NA	4130	ug/L			80	250	
FTF009R	9/12/2022	SODIUM	NA	4030	ug/L			80	250	
FTF012R	9/13/2022	SODIUM	NA	3840	ug/L			80	250	
FTF009R	2/16/2022	SODIUM	NA	3600	ug/L		J	80	250	9
FTF 28	2/16/2022	SODIUM	NA	3150	ug/L		J	80	250	9

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a Regional Screening Level b Preliminary Remediation Goal

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FTF 28	2/16/2022	SODIUM	NA	3100	ug/L			80	250	
FTF 28	9/13/2022	SODIUM	NA	2880	ug/L			80	250	
FTF 28	9/13/2022	SODIUM	NA	2800	ug/L			80	250	
FTF012R	9/13/2022	SPECIFIC CONDUCTANCE	NA	294	uS/cm					
FTF 29	2/16/2022	SPECIFIC CONDUCTANCE	NA	292	uS/cm					
FTF 29	9/13/2022	SPECIFIC CONDUCTANCE	NA	282	uS/cm					
FTF 20	9/12/2022	SPECIFIC CONDUCTANCE	NA	172	uS/cm					
FTF 19	9/12/2022	SPECIFIC CONDUCTANCE	NA	165	uS/cm					
FTF 19	2/14/2022	SPECIFIC CONDUCTANCE	NA	140	uS/cm					
FTF012R	2/14/2022	SPECIFIC CONDUCTANCE	NA	124	uS/cm					
FTF 20	2/14/2022	SPECIFIC CONDUCTANCE	NA	123	uS/cm					
FTF 22	9/12/2022	SPECIFIC CONDUCTANCE	NA	114	uS/cm					
FTF 22	2/14/2022	SPECIFIC CONDUCTANCE	NA	105	uS/cm					
FBG001C	2/15/2022	SPECIFIC CONDUCTANCE	NA	82	uS/cm					
FBG001C	9/13/2022	SPECIFIC CONDUCTANCE	NA	77	uS/cm					
FTF 23	9/14/2022	SPECIFIC CONDUCTANCE	NA	72	uS/cm					
FTF 23	2/14/2022	SPECIFIC CONDUCTANCE	NA	67	uS/cm					
FTF030D	2/15/2022	SPECIFIC CONDUCTANCE	NA	67	uS/cm					
FTF030D	9/14/2022	SPECIFIC CONDUCTANCE	NA	62	uS/cm					
FTF030	9/14/2022	SPECIFIC CONDUCTANCE	NA	60	uS/cm					
FBG002D	9/12/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
FTF030	2/15/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
FTF 28	9/13/2022	SPECIFIC CONDUCTANCE	NA	50	uS/cm					
FTF031	9/14/2022	SPECIFIC CONDUCTANCE	NA	48	uS/cm					
FTF031	2/15/2022	SPECIFIC CONDUCTANCE	NA	47	uS/cm					
FTF009R	9/12/2022	SPECIFIC CONDUCTANCE	NA	43	uS/cm					
FTF 28	2/16/2022	SPECIFIC CONDUCTANCE	NA	40	uS/cm					
FTF009R	2/16/2022	SPECIFIC CONDUCTANCE	NA	38	uS/cm					
FBG001D	2/15/2022	SPECIFIC CONDUCTANCE	NA		uS/cm					
FTF 28	9/13/2022	STRONTIUM-90	8	4.22	pCi/L	U	U	4.24	9.86	
FTF 19	9/12/2022	STRONTIUM-90	8	3.33	pCi/L	U	U	4.52	10.1	
FTF 28	9/13/2022	STRONTIUM-90	8	3.03	pCi/L	U	U	5.21	11.5	
FTF012R	2/14/2022	STRONTIUM-90	8	1.55	pCi/L	U	U	4.6	9.88	
FTF 19	9/12/2022	STRONTIUM-90	8	1.44	pCi/L	U	U	6.71	14.2	
FTF 19	2/14/2022	STRONTIUM-90	8	0.785	pCi/L	U	U	7.21	15.2	
FTF 28	2/16/2022	STRONTIUM-90	8	0.321	pCi/L	U	U	6.91	14.2	
FTF 19	2/14/2022	STRONTIUM-90	8	-1.39	pCi/L	U	U	5.86	11.3	
FTF 28	2/16/2022	STRONTIUM-90	8	-2.08	pCi/L	U	U	7.46	15	
FTF 28	**2/16/2022**	**TECHNETIUM-99**	**900**	**1410**	**pCi/L**		**J**	**10.7**	**68.3**	**9**
FTF 28	**2/16/2022**	**TECHNETIUM-99**	**900**	**1380**	**pCi/L**			**10.7**	**67.3**	
FTF 28	**9/13/2022**	**TECHNETIUM-99**	**900**	**1320**	**pCi/L**			**7.49**	**59.9**	
FTF 28	**9/13/2022**	**TECHNETIUM-99**	**900**	**1310**	**pCi/L**			**7.79**	**60**	
FTF 19	2/14/2022	TECHNETIUM-99	900	339	pCi/L		J	7.92	27.6	9
FTF012R	2/14/2022	TECHNETIUM-99	900	53.5	pCi/L		J	7.89	19.4	9
FTF012R	9/13/2022	TECHNETIUM-99	900	43.4	pCi/L			7.58	20	
FTF012R	9/13/2022	TECHNETIUM-99	900	40.5	pCi/L			8.12	21	
FTF 19	9/12/2022	TECHNETIUM-99	900	36.2	pCi/L			5.21	13.4	
FTF 19	9/12/2022	TECHNETIUM-99	900	36.1	pCi/L			5.52	14	
FBG001C	9/13/2022	TECHNETIUM-99	900	8.44	pCi/L	J	J	7.5	16.9	21
FBG001C	2/15/2022	TECHNETIUM-99	900	7.39	pCi/L	U	U	8.42	18.6	
FBG001C	2/15/2022	TECHNETIUM-99	900	3.17	pCi/L				3.76	
FTF030	2/15/2022	TECHNETIUM-99	900	2.58	pCi/L	U	U	7.34	16	
FTF030	9/14/2022	TECHNETIUM-99	900	1.82	pCi/L	U	U	5.8	12.6	
FBG001C	9/13/2022	TECHNETIUM-99	900	-1.77	pCi/L	U	U	16.7	36.1	
FTF 28	2/16/2022	THALLIUM-208		3.38	pCi/L	U	U	5.64	10.9	
FTF012R	2/14/2022	THALLIUM-208		0.0944	pCi/L	U	U	4.16	9.18	
FTF 19	9/12/2022	THALLIUM-208		-0.0821	pCi/L	U	U	5.81	12.1	
FTF 28	9/13/2022	THALLIUM-208		-0.122	pCi/L	U	U	4.8	10.3	
FTF012R	2/14/2022	THALLIUM-208		-0.858	pCi/L	U	U	4.3	9.7	
FTF 28	2/16/2022	THALLIUM-208		-0.895	pCi/L	U	U	5.21	11.2	
FTF 19	9/12/2022	THALLIUM-208		-1.65	pCi/L	U	U	4.79	10.2	
FTF 28	2/16/2022	THALLIUM-208		-1.72	pCi/L	U	U	6.74	13.9	
FTF 19	2/14/2022	THALLIUM-208		-1.97	pCi/L	U	U	4.03	9.29	
FTF 28	9/13/2022	THALLIUM-208		-2.54	pCi/L	U	U	6.99	15.5	
FTF 29	2/16/2022	TOTAL ALKALINITY (AS CACO3)	NA	118	mg/L					
FTF 29	9/13/2022	TOTAL ALKALINITY (AS CACO3)	NA	111	mg/L					
FTF 19	2/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	32	mg/L					
FTF012R	9/13/2022	TOTAL ALKALINITY (AS CACO3)	NA	31	mg/L					
FTF012R	2/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	27	mg/L					
FTF 20	2/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	24	mg/L					
FTF 19	9/12/2022	TOTAL ALKALINITY (AS CACO3)	NA	17	mg/L					
FTF 20	9/12/2022	TOTAL ALKALINITY (AS CACO3)	NA	11	mg/L					
FTF 22	2/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	8	mg/L					
FBG002D	9/12/2022	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L					
FTF030	2/15/2022	TOTAL ALKALINITY (AS CACO3)	NA	5	mg/L					
FTF 22	9/12/2022	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L					
FTF030	9/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	4	mg/L					
FTF 28	9/13/2022	TOTAL ALKALINITY (AS CACO3)	NA	2	mg/L					
FTF 23	9/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L					
FTF030D	9/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	1	mg/L					
FBG001C	2/15/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FBG001C	9/13/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FTF 23	2/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF 28	2/16/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF009R	2/16/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF009R	9/12/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF030D	2/15/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF031	2/15/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FTF031	9/14/2022	TOTAL ALKALINITY (AS CACO3)	NA	0	mg/L					
FBG001D	2/15/2022	TOTAL ALKALINITY (AS CACO3)	NA		mg/L					
FTF012R	2/14/2022	TRITIUM	20	3.66	pCi/mL		J	0.494	1.41	SIG;Q;9
FTF 19	2/14/2022	TRITIUM	20	2.3	pCi/mL		J	0.493	1.3	SIG;Q;9
FTF 28	2/16/2022	TRITIUM	20	1.86	pCi/mL		J	0.454	1.18	SIG;9
FTF 28	9/13/2022	TRITIUM	20	1.75	pCi/mL			0.469	1.2	SIG
FTF012R	9/13/2022	TRITIUM	20	1.75	pCi/mL			0.529	1.32	SIG
FTF 19	9/12/2022	TRITIUM	20	1.67	pCi/mL			0.462	1.18	SIG
FTF 28	2/16/2022	TRITIUM	20	1.62	pCi/mL			0.454	1.15	SIG
FTF 28	9/13/2022	TRITIUM	20	1.61	pCi/mL			0.529	1.31	SIG
FBG001C	9/13/2022	TRITIUM	20	1.42	pCi/mL			365	845	
FTF 20	2/14/2022	TRITIUM	20	1.36	pCi/mL		J	0.494	1.21	SIG;Q;9
FBG001C	2/15/2022	TRITIUM	20	1.29	pCi/mL		J	0.494	1.21	SIG;Q;9
FBG001C	9/13/2022	TRITIUM	20	1.21	pCi/mL			0.468	1.15	SIG
FTF 29	9/13/2022	TRITIUM	20	1.03	pCi/mL	J	J	0.469	1.13	SIG;21
FTF 29	2/16/2022	TRITIUM	20	0.982	pCi/mL	J	J	0.455	1.09	SIG;9;21
FTF030D	2/15/2022	TRITIUM	20	0.977	pCi/mL	J	J	0.502	1.19	SIG;Q;9;21
FTF 22	2/14/2022	TRITIUM	20	0.968	pCi/mL	J	J	0.495	1.18	SIG;Q;21
FTF 20	9/12/2022	TRITIUM	20	0.899	pCi/mL	J	J	0.465	1.11	SIG;21
FTF 22	9/12/2022	TRITIUM	20	0.896	pCi/mL	J	J	0.466	1.11	SIG;21
FTF030	9/14/2022	TRITIUM	20	0.883	pCi/mL	J	J	0.532	1.25	SIG;21
FBG001C	2/15/2022	TRITIUM	20	0.856	pCi/mL				876	
FTF 23	2/14/2022	TRITIUM	20	0.855	pCi/mL	J	J	0.493	1.16	SIG;Q;21
FTF030D	9/14/2022	TRITIUM	20	0.841	pCi/mL	J	J	0.52	1.22	SIG;21
FTF 23	9/14/2022	TRITIUM	20	0.834	pCi/mL	J	J	0.515	1.2	SIG;21
FTF030	2/15/2022	TRITIUM	20	0.801	pCi/mL	J	J	0.494	1.16	SIG;Q;21
FTF009R	9/12/2022	TRITIUM	20	0.741	pCi/mL	J	J	0.475	1.11	SIG;21
FTF031	2/15/2022	TRITIUM	20	0.737	pCi/mL	J	J	0.494	1.15	SIG;Q;21
FTF030	2/15/2022	TRITIUM	20	0.633	pCi/mL	J	J	0.497	1.14	SIG;Q;21
FTF031	9/14/2022	TRITIUM	20	0.615	pCi/mL	J	J	0.537	1.23	SIG;21
FBG002D	9/12/2022	TRITIUM	20	0.608	pCi/mL	J	J	0.474	1.1	SIG;21
FTF009R	2/16/2022	TRITIUM	20	0.597	pCi/mL	J	J	0.454	1.05	SIG;21
FTF009R	9/12/2022	TRITIUM	20	0.575	pCi/mL	J	J	0.469	1.08	SIG;21
FTF030D	9/14/2022	TURBIDITY	NA	39.6	NTU					
FBG001C	2/15/2022	TURBIDITY	NA	16.4	NTU					
FTF030D	2/15/2022	TURBIDITY	NA	15.8	NTU					
FTF012R	2/14/2022	TURBIDITY	NA	14.8	NTU					
FTF012R	9/13/2022	TURBIDITY	NA	14.5	NTU					
FBG001C	9/13/2022	TURBIDITY	NA	12	NTU					
FTF 29	2/16/2022	TURBIDITY	NA	8.6	NTU					
FTF030	9/14/2022	TURBIDITY	NA	6.2	NTU					
FTF031	2/15/2022	TURBIDITY	NA	4.8	NTU					
FTF 23	9/14/2022	TURBIDITY	NA	4.2	NTU					
FTF030	2/15/2022	TURBIDITY	NA	3.1	NTU					
FBG002D	9/12/2022	TURBIDITY	NA	2.5	NTU					
FTF 29	9/13/2022	TURBIDITY	NA	2.5	NTU					
FTF031	9/14/2022	TURBIDITY	NA	2.5	NTU					
FTF 19	9/12/2022	TURBIDITY	NA	2.3	NTU					
FTF 20	2/14/2022	TURBIDITY	NA	1.8	NTU					
FTF 22	2/14/2022	TURBIDITY	NA	0.7	NTU					
FTF 22	9/12/2022	TURBIDITY	NA	0.7	NTU					
FTF 20	9/12/2022	TURBIDITY	NA	0.6	NTU					
FTF 23	2/14/2022	TURBIDITY	NA	0.6	NTU					
FTF 19	2/14/2022	TURBIDITY	NA	0.5	NTU					
FTF009R	9/12/2022	TURBIDITY	NA	0.3	NTU					
FTF 28	2/16/2022	TURBIDITY	NA	0.2	NTU					
FTF 28	9/13/2022	TURBIDITY	NA	0.2	NTU					
FTF009R	2/16/2022	TURBIDITY	NA	0.2	NTU					
FBG001D	2/15/2022	TURBIDITY	NA		NTU					
FBG001D	2/15/2022	Water Elevation	NA	224.15	ft amsl					
FBG002D	9/12/2022	Water Elevation	NA	223.91	ft amsl					
FTF 19	2/14/2022	Water Elevation	NA	222	ft amsl					
FTF 23	2/14/2022	Water Elevation	NA	221.6	ft amsl					
FTF009R	2/16/2022	Water Elevation	NA	221.52	ft amsl					
FTF012R	2/14/2022	Water Elevation	NA	221.44	ft amsl					
FTF 20	2/14/2022	Water Elevation	NA	221.4	ft amsl					
FTF 22	2/14/2022	Water Elevation	NA	221.29	ft amsl					
FTF 19	9/12/2022	Water Elevation	NA	220.86	ft amsl					
FTF030D	2/15/2022	Water Elevation	NA	220.53	ft amsl					
FTF 22	9/12/2022	Water Elevation	NA	220.25	ft amsl					
FTF012R	9/13/2022	Water Elevation	NA	220.25	ft amsl					
FTF 20	9/12/2022	Water Elevation	NA	220.19	ft amsl					
FTF009R	9/12/2022	Water Elevation	NA	220.08	ft amsl					
FTF 23	9/14/2022	Water Elevation	NA	220.04	ft amsl					
FTF030D	9/14/2022	Water Elevation	NA	219.21	ft amsl					
FBG001C	2/15/2022	Water Elevation	NA	217.85	ft amsl					

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
FBG001C	9/13/2022	Water Elevation	NA	216.99	ft amsl					
FTF031	2/15/2022	Water Elevation	NA	214.15	ft amsl					
FTF030	2/15/2022	Water Elevation	NA	214.12	ft amsl					
FTF 29	2/16/2022	Water Elevation	NA	213.16	ft amsl					
FTF030	9/14/2022	Water Elevation	NA	213	ft amsl					
FTF031	9/14/2022	Water Elevation	NA	212.92	ft amsl					
FTF 28	2/16/2022	Water Elevation	NA	212.34	ft amsl					
FTF 29	9/13/2022	Water Elevation	NA	212.03	ft amsl					
FTF 28	9/13/2022	Water Elevation	NA	211.34	ft amsl					

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

ATTACHMENT B

2022 Sample Results for H-Area Tank Farm

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Data Qualification

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

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

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 15C	5/11/2022	ACTINIUM-228	24[b]	7.75	pCi/L	U		14.1	36.9	
HAA 15C	5/11/2022	ACTINIUM-228	24[b]	2.18	pCi/L	U		12.8	33.6	
HAA 15C	5/11/2022	ANTIMONY-125		0.0845	pCi/L	U		8.37	17.5	
HAA 15C	5/11/2022	BARIUM-133		-0.348	pCi/L	U		3.97	8.83	
HAA 15C	5/11/2022	BISMUTH-214		165	pCi/L			5.74	29.7	
HAA 15C	5/11/2022	BISMUTH-214		126	pCi/L			5.46	26.5	
HAA 1A	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 1A	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 1C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 1C	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 1D	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 1D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2B	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2B	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2C	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 2D	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4B	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4B	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 4D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7B	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7C	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 7D	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8B	9/13/2022	CADMIUM	5	1	ug/L			1	1	S
HAA 8B	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8C	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 8D	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 9B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 9B	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 9D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 9D	9/13/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10B	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10B	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10C	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10D	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 10D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11B	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11C	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 11D	9/14/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12B	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12C	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 12D	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13B	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 13D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14B	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14B	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14C	9/19/2022	CADMIUM	5	1	ug/L			1	1	S
HAA 14C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 14D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 15B	2/23/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 15B	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 15C	2/23/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 15C	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 15D	2/23/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 15D	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA017C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA017C	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA017D	9/15/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA017D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018C	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018C	9/21/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018C	9/21/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018D	2/17/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA018D	9/21/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA019C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA019C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA019D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA019D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA020C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA020C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA020D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA020D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA021C	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA021C	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA021D	2/16/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA021D	9/19/2022	CADMIUM	5	1	ug/L	U	U	0.3	1	
HAA 9C	9/13/2022	CADMIUM	5	0.583	ug/L	J	J	0.3	1	21
HAA 9C	2/17/2022	CADMIUM	5	0.55	ug/L	J	J	0.3	1	21
HAA 8B	2/17/2022	CADMIUM	5	0.5	ug/L	U	U	0.5	1	V;21
HAA 14C	2/17/2022	CADMIUM	5	0.5	ug/L	U	U	0.5	1	V;21
HAA 15C	5/11/2022	CARBON-14	2000	13.3	pCi/L	U		45.4	98.8	
HAA 15C	5/11/2022	CARBON-14	2000	-5.93	pCi/L	U		45.5	97.9	
HAA 15C	5/11/2022	CESIUM-134		0.089	pCi/L	U		3.47	7.35	
HAA 15C	5/11/2022	CESIUM-137	200	0.646	pCi/L	U		3.4	7.1	
HAA 15C	5/11/2022	CESIUM-137	200	-0.529	pCi/L	U		2.69	6.29	
HAA 8B	9/13/2022	CHROMIUM	100	30	ug/L			30	30	S
HAA 14C	9/19/2022	CHROMIUM	100	30	ug/L			30	30	S
HAA 8B	2/17/2022	CHROMIUM	100	15	ug/L	U	U	15	30	V;21
HAA 13C	2/17/2022	CHROMIUM	100	13.1	ug/L			3	10	
HAA 13D	9/19/2022	CHROMIUM	100	10.4	ug/L			3	10	
HAA 1A	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 1A	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 1C	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 1C	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 1D	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 2C	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 2C	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 2D	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 2D	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 4B	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 4B	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 4D	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 4D	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 7D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 7D	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 8C	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 8C	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 8D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 8D	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 9D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 9D	9/13/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 10B	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 10C	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 10D	9/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 10D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 11B	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 11B	9/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 11D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 11D	9/14/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 12D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 12D	9/15/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 14D	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 14D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 15B	2/23/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 15B	9/15/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 15C	2/23/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 15C	9/15/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 15D	2/23/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA017D	2/17/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA018D	9/21/2022	CHROMIUM	100	10	ug/L	U	U	3	10	

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA019D	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA020D	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA020D	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA021C	9/19/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA021C	2/16/2022	CHROMIUM	100	10	ug/L	U	U	3	10	
HAA 13D	2/17/2022	CHROMIUM	100	9.12	ug/L	J	J	3	10	21
HAA 7C	2/17/2022	CHROMIUM	100	8.76	ug/L	J	J	3	10	21
HAA 13C	9/19/2022	CHROMIUM	100	8.55	ug/L	J	J	3	10	21
HAA 14C	2/17/2022	CHROMIUM	100	7.45	ug/L	J	J	15	30	21
HAA 7C	9/13/2022	CHROMIUM	100	7.24	ug/L	J	J	3	10	21
HAA 4C	2/16/2022	CHROMIUM	100	6.88	ug/L	J	J	3	10	21
HAA 14C	9/19/2022	CHROMIUM	100	6.52	ug/L	J	J	3	10	21
HAA021D	9/19/2022	CHROMIUM	100	6.5	ug/L	J	J	3	10	21
HAA 2B	2/16/2022	CHROMIUM	100	6.26	ug/L	J	J	3	10	21
HAA 14C	2/17/2022	CHROMIUM	100	6.08	ug/L	J	J	3	10	21
HAA018C	9/21/2022	CHROMIUM	100	5.46	ug/L	J	J	3	10	21
HAA018C	2/17/2022	CHROMIUM	100	5.42	ug/L	J	J	3	10	21
HAA018D	2/17/2022	CHROMIUM	100	5.42	ug/L	J	J	3	10	21
HAA018C	9/21/2022	CHROMIUM	100	5.25	ug/L	J	J	3	10	21
HAA 10B	9/14/2022	CHROMIUM	100	5.23	ug/L	J	J	3	10	21
HAA018C	2/17/2022	CHROMIUM	100	5.14	ug/L	J	J	3	10	21
HAA019D	2/16/2022	CHROMIUM	100	4.95	ug/L	J	J	3	10	21
HAA 4C	9/19/2022	CHROMIUM	100	4.92	ug/L	J	J	3	10	21
HAA 12B	2/17/2022	CHROMIUM	100	4.81	ug/L	J	J	3	10	21
HAA 15D	9/15/2022	CHROMIUM	100	4.71	ug/L	J	J	3	10	21
HAA 10C	9/14/2022	CHROMIUM	100	4.58	ug/L	J	J	3	10	21
HAA 10B	9/14/2022	CHROMIUM	100	4.52	ug/L	J	J	3	10	21
HAA 9B	9/13/2022	CHROMIUM	100	4.5	ug/L	J	J	3	10	21
HAA 14B	9/19/2022	CHROMIUM	100	4.5	ug/L	J	J	3	10	21
HAA 12B	9/15/2022	CHROMIUM	100	4.44	ug/L	J	J	3	10	21
HAA017C	9/15/2022	CHROMIUM	100	4.25	ug/L	J	J	3	10	21
HAA 2B	9/13/2022	CHROMIUM	100	4.12	ug/L	J	J	3	10	21
HAA 14B	2/17/2022	CHROMIUM	100	4.06	ug/L	J	J	3	10	21
HAA 9C	2/17/2022	CHROMIUM	100	4.04	ug/L	J	J	3	10	21
HAA021D	2/16/2022	CHROMIUM	100	4.02	ug/L	J	J	3	10	21
HAA017C	2/17/2022	CHROMIUM	100	3.96	ug/L	J	J	3	10	21
HAA019C	9/19/2022	CHROMIUM	100	3.96	ug/L	J	J	3	10	21
HAA 11C	2/17/2022	CHROMIUM	100	3.94	ug/L	J	J	3	10	21
HAA 9C	9/13/2022	CHROMIUM	100	3.82	ug/L	J	J	3	10	21
HAA 7B	2/17/2022	CHROMIUM	100	3.7	ug/L	J	J	3	10	21
HAA 11C	9/14/2022	CHROMIUM	100	3.69	ug/L	J	J	3	10	21
HAA 13B	9/19/2022	CHROMIUM	100	3.68	ug/L	J	J	3	10	21
HAA 13B	2/17/2022	CHROMIUM	100	3.68	ug/L	J	J	3	10	21
HAA017D	9/15/2022	CHROMIUM	100	3.62	ug/L	J	J	3	10	21
HAA 7B	9/13/2022	CHROMIUM	100	3.53	ug/L	J	J	3	10	21
HAA 9B	2/17/2022	CHROMIUM	100	3.51	ug/L	J	J	3	10	21
HAA020C	9/19/2022	CHROMIUM	100	3.41	ug/L	J	J	3	10	21
HAA 8B	9/13/2022	CHROMIUM	100	3.4	ug/L	J	J	3	10	21
HAA019C	2/16/2022	CHROMIUM	100	3.39	ug/L	J	J	3	10	21
HAA020C	2/16/2022	CHROMIUM	100	3.39	ug/L	J	J	3	10	21
HAA 12C	2/17/2022	CHROMIUM	100	3.38	ug/L	J	J	3	10	21
HAA 10B	2/17/2022	CHROMIUM	100	3.12	ug/L	J	J	3	10	21
HAA 1D	2/16/2022	CHROMIUM	100	3.07	ug/L	J	J	3	10	21
HAA 8B	2/17/2022	CHROMIUM	100	3.05	ug/L	J	J	3	10	21
HAA 12C	9/15/2022	CHROMIUM	100	3.05	ug/L	J	J	3	10	21
HAA 15C	5/11/2022	COBALT-60	100	0.588	pCi/L	U		3.35	6.99	
HAA 15C	5/11/2022	COBALT-60	100	-0.609	pCi/L	U		2.92	6.14	
HAA 1A	9/13/2022	DEPTH_TO_WATER	NA	113.96	ft					
HAA 1A	2/16/2022	DEPTH_TO_WATER	NA	113	ft					
HAA 15B	9/15/2022	DEPTH_TO_WATER	NA	65.2	ft					
HAA 15C	9/15/2022	DEPTH_TO_WATER	NA	64.6	ft					
HAA 15B	2/23/2022	DEPTH_TO_WATER	NA	64.3	ft					
HAA 15C	2/23/2022	DEPTH_TO_WATER	NA	63.34	ft					
HAA 14B	9/19/2022	DEPTH_TO_WATER	NA	63	ft					
HAA 14C	9/19/2022	DEPTH_TO_WATER	NA	62.5	ft					
HAA 14B	2/17/2022	DEPTH_TO_WATER	NA	61.84	ft					
HAA 14C	2/17/2022	DEPTH_TO_WATER	NA	61.64	ft					
HAA 13B	9/19/2022	DEPTH_TO_WATER	NA	60.39	ft					
HAA 13C	9/19/2022	DEPTH_TO_WATER	NA	59.74	ft					
HAA 13B	2/17/2022	DEPTH_TO_WATER	NA	58.6	ft					
HAA 13C	2/17/2022	DEPTH_TO_WATER	NA	58.6	ft					
HAA017C	9/15/2022	DEPTH_TO_WATER	NA	58.2	ft					
HAA017C	2/17/2022	DEPTH_TO_WATER	NA	58.14	ft					
HAA019C	9/19/2022	DEPTH_TO_WATER	NA	54.97	ft					
HAA 12C	9/15/2022	DEPTH_TO_WATER	NA	54.62	ft					
HAA 12B	9/15/2022	DEPTH_TO_WATER	NA	54.27	ft					
HAA019C	2/16/2022	DEPTH_TO_WATER	NA	53.8	ft					
HAA 4B	9/19/2022	DEPTH_TO_WATER	NA	53.74	ft					

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HAA 12C	2/17/2022	DEPTH_TO_WATER	NA	53.67	ft					
HAA 12B	2/17/2022	DEPTH_TO_WATER	NA	53.29	ft					
HAA 4C	9/19/2022	DEPTH_TO_WATER	NA	53	ft					
HAA 4B	2/16/2022	DEPTH_TO_WATER	NA	52.7	ft					
HAA 4C	2/16/2022	DEPTH_TO_WATER	NA	51.9	ft					
HAA018C	9/21/2022	DEPTH_TO_WATER	NA	51.52	ft					
HAA018C	2/17/2022	DEPTH_TO_WATER	NA	50.14	ft					
HAA 11C	2/17/2022	DEPTH_TO_WATER	NA	44.7	ft					
HAA 11C	9/14/2022	DEPTH_TO_WATER	NA	44.5	ft					
HAA 11B	2/17/2022	DEPTH_TO_WATER	NA	43.88	ft					
HAA 2B	2/16/2022	DEPTH_TO_WATER	NA	43.82	ft					
HAA 11B	9/14/2022	DEPTH_TO_WATER	NA	43.8	ft					
HAA 1C	2/16/2022	DEPTH_TO_WATER	NA	43.7	ft					
HAA 1C	9/13/2022	DEPTH_TO_WATER	NA	43.26	ft					
HAA 2B	9/13/2022	DEPTH_TO_WATER	NA	43.1	ft					
HAA 2C	2/16/2022	DEPTH_TO_WATER	NA	42.22	ft					
HAA020C	9/19/2022	DEPTH_TO_WATER	NA	41.65	ft					
HAA 8B	9/13/2022	DEPTH_TO_WATER	NA	41.6	ft					
HAA 2C	9/13/2022	DEPTH_TO_WATER	NA	41.5	ft					
HAA020C	2/16/2022	DEPTH_TO_WATER	NA	41.38	ft					
HAA 15D	9/15/2022	DEPTH_TO_WATER	NA	41	ft					
HAA 8C	9/13/2022	DEPTH_TO_WATER	NA	40.9	ft					
HAA 14D	9/19/2022	DEPTH_TO_WATER	NA	40.6	ft					
HAA 8B	2/17/2022	DEPTH_TO_WATER	NA	40.56	ft					
HAA 8C	2/17/2022	DEPTH_TO_WATER	NA	39.9	ft					
HAA 7B	2/17/2022	DEPTH_TO_WATER	NA	39.86	ft					
HAA 13D	9/19/2022	DEPTH_TO_WATER	NA	39.64	ft					
HAA 14D	2/17/2022	DEPTH_TO_WATER	NA	39.46	ft					
HAA021C	9/19/2022	DEPTH_TO_WATER	NA	39.36	ft					
HAA 7B	9/13/2022	DEPTH_TO_WATER	NA	39.3	ft					
HAA 10B	9/14/2022	DEPTH_TO_WATER	NA	39.3	ft					
HAA 15D	2/23/2022	DEPTH_TO_WATER	NA	39.12	ft					
HAA 13D	2/17/2022	DEPTH_TO_WATER	NA	38.6	ft					
HAA 10B	2/17/2022	DEPTH_TO_WATER	NA	38.2	ft					
HAA021C	2/16/2022	DEPTH_TO_WATER	NA	38.2	ft					
HAA 10C	9/14/2022	DEPTH_TO_WATER	NA	38	ft					
HAA 7C	2/17/2022	DEPTH_TO_WATER	NA	37.85	ft					
HAA 7C	9/13/2022	DEPTH_TO_WATER	NA	37.4	ft					
HAA 12D	9/15/2022	DEPTH_TO_WATER	NA	36.21	ft					
HAA 9B	9/13/2022	DEPTH_TO_WATER	NA	36.2	ft					
HAA 10C	2/17/2022	DEPTH_TO_WATER	NA	36	ft					
HC 1D	9/14/2022	DEPTH_TO_WATER	NA	35.71	ft					
HAA 9C	9/13/2022	DEPTH_TO_WATER	NA	35.7	ft					
HAA 9B	2/17/2022	DEPTH_TO_WATER	NA	35.5	ft					
HAA 12D	2/17/2022	DEPTH_TO_WATER	NA	35.06	ft					
HAA 9C	2/17/2022	DEPTH_TO_WATER	NA	34.8	ft					
HC 1D	2/23/2022	DEPTH_TO_WATER	NA	34.62	ft					
HAA017D	9/15/2022	DEPTH_TO_WATER	NA	33.4	ft					
HAA 4D	9/19/2022	DEPTH_TO_WATER	NA	33.32	ft					
HAA017D	2/17/2022	DEPTH_TO_WATER	NA	33.23	ft					
HAA 4D	2/16/2022	DEPTH_TO_WATER	NA	32	ft					
HAA 11D	2/17/2022	DEPTH_TO_WATER	NA	28.37	ft					
HAA 11D	9/14/2022	DEPTH_TO_WATER	NA	26.5	ft					
HAA 1D	9/13/2022	DEPTH_TO_WATER	NA	25.54	ft					
HAA018D	9/21/2022	DEPTH_TO_WATER	NA	24.8	ft					
HAA019D	9/19/2022	DEPTH_TO_WATER	NA	24.23	ft					
HAA 9D	9/13/2022	DEPTH_TO_WATER	NA	23.8	ft					
HAA 1D	2/16/2022	DEPTH_TO_WATER	NA	23.6	ft					
HAA020D	9/19/2022	DEPTH_TO_WATER	NA	23.6	ft					
HAA018D	2/17/2022	DEPTH_TO_WATER	NA	23.51	ft					
HAA 8D	9/13/2022	DEPTH_TO_WATER	NA	23.45	ft					
HAA 10D	9/14/2022	DEPTH_TO_WATER	NA	23.1	ft					
HAA020D	2/16/2022	DEPTH_TO_WATER	NA	23.04	ft					
HAA019D	2/16/2022	DEPTH_TO_WATER	NA	22.8	ft					
HAA 8D	2/17/2022	DEPTH_TO_WATER	NA	22.35	ft					
HAA 9D	2/17/2022	DEPTH_TO_WATER	NA	22.3	ft					
HAA021D	9/19/2022	DEPTH_TO_WATER	NA	22.1	ft					
HAA021D	2/16/2022	DEPTH_TO_WATER	NA	21.6	ft					
HAA 10D	2/17/2022	DEPTH_TO_WATER	NA	21.4	ft					
HAA 2D	2/16/2022	DEPTH_TO_WATER	NA	19.98	ft					
HAA 7D	2/17/2022	DEPTH_TO_WATER	NA	19.9	ft					
HAA 2D	9/13/2022	DEPTH_TO_WATER	NA	19.8	ft					
HAA 7D	9/13/2022	DEPTH_TO_WATER	NA	19	ft					
HTF 1	9/14/2022	DEPTH_TO_WATER	NA	12.18	ft					
HTF 4	9/14/2022	DEPTH_TO_WATER	NA	11.97	ft					
HTF 4	2/23/2022	DEPTH_TO_WATER	NA	11.3	ft					
HTF 1	2/23/2022	DEPTH_TO_WATER	NA	11.12	ft					
HTF 2	9/14/2022	DEPTH_TO_WATER	NA	10.82	ft					

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HTF 2	2/23/2022	DEPTH_TO_WATER	NA	9.88	ft					
HTF 3	9/14/2022	DEPTH_TO_WATER	NA	8.78	ft					
HTF 3	2/23/2022	DEPTH_TO_WATER	NA	8	ft					
HAA 15C	5/11/2022	EUROPIUM-152		-0.124	pCi/L	U		9.02	18.9	
HAA 15C	5/11/2022	EUROPIUM-154		-1.34	pCi/L	U		9.47	19.8	
HAA 15C	5/11/2022	EUROPIUM-155		-7.07	pCi/L	U		12.6	30.3	
HAA 4D	9/19/2022	GROSS ALPHA	15	5.51	pCi/L			0.672	2.87	
HAA 4D	2/16/2022	GROSS ALPHA	15	3.41	pCi/L		J	0.597	2.51	9
HAA 14C	2/17/2022	GROSS ALPHA	15	2.36	pCi/L		J		2.47	21
HAA 13D	9/19/2022	GROSS ALPHA	15	2.35	pCi/L	J	J	0.956	2.74	21
HAA 7D	2/17/2022	GROSS ALPHA	15	2.23	pCi/L	J	J	0.671	2.27	21
HAA020D	9/19/2022	GROSS ALPHA	15	2.16	pCi/L	J	J	0.803	2.19	21
HAA 1C	2/16/2022	GROSS ALPHA	15	2.13	pCi/L			0.599	1.91	
HAA 8B	2/17/2022	GROSS ALPHA	15	2.02	pCi/L		J		2.38	21
HAA 7D	9/13/2022	GROSS ALPHA	15	2.01	pCi/L			0.384	1.14	
HAA 12C	9/15/2022	GROSS ALPHA	15	2.01	pCi/L	J	J	0.651	2.05	21
HAA 15D	9/15/2022	GROSS ALPHA	15	1.96	pCi/L			0.589	1.73	
HAA 7C	9/13/2022	GROSS ALPHA	15	1.95	pCi/L			0.372	1.11	
HAA018D	2/17/2022	GROSS ALPHA	15	1.95	pCi/L			0.503	1.66	
HAA 10D	2/17/2022	GROSS ALPHA	15	1.79	pCi/L	J	J	0.777	2.29	21
HAA 1A	2/16/2022	GROSS ALPHA	15	1.76	pCi/L	J	J	1.02	2.49	21
HAA 11D	9/14/2022	GROSS ALPHA	15	1.75	pCi/L	J	J	0.769	2.01	21
HAA 11B	9/14/2022	GROSS ALPHA	15	1.51	pCi/L	J	J	0.99	2.51	21
HAA 2B	2/16/2022	GROSS ALPHA	15	1.47	pCi/L	J	J	0.876	2.44	21
HAA 1D	2/16/2022	GROSS ALPHA	15	1.34	pCi/L	J	J	0.463	1.41	21
HAA 15C	9/15/2022	GROSS ALPHA	15	1.31	pCi/L	J	J	0.728	1.96	21
HAA 9B	2/17/2022	GROSS ALPHA	15	1.3	pCi/L	J	J	0.683	1.89	21
HAA019D	2/16/2022	GROSS ALPHA	15	1.29	pCi/L	J	J	0.691	1.94	21
HAA 10D	9/14/2022	GROSS ALPHA	15	1.2	pCi/L	J	J	0.812	2.1	21
HAA017C	9/15/2022	GROSS ALPHA	15	1.15	pCi/L	J	J	0.745	1.95	21
HAA 15C	2/23/2022	GROSS ALPHA	15	1.14	pCi/L	J	J	0.6	1.51	21
HAA017D	9/15/2022	GROSS ALPHA	15	1.12	pCi/L	J	J	0.943	2.3	21
HAA021D	9/19/2022	GROSS ALPHA	15	1.12	pCi/L	J	J	0.674	1.74	21
HAA 1C	9/13/2022	GROSS ALPHA	15	1.1	pCi/L			0.413	1.09	
HAA 10B	2/17/2022	GROSS ALPHA	15	1.09	pCi/L	J	J	0.965	2.45	21
HAA017C	9/15/2022	GROSS ALPHA	15	1.09	pCi/L	J	J	0.679	1.74	21
HAA021D	2/16/2022	GROSS ALPHA	15	1.09	pCi/L	J	J	0.655	1.64	21
HAA019D	9/19/2022	GROSS ALPHA	15	1.06	pCi/L	J	J	0.719	1.81	21
HAA 14B	9/19/2022	GROSS ALPHA	15	1.05	pCi/L	J	J	0.998	2.32	21
HAA020D	2/16/2022	GROSS ALPHA	15	1.04	pCi/L	J	J	0.642	1.68	21
HAA 12D	9/15/2022	GROSS ALPHA	15	1.03	pCi/L	J	J	0.714	1.82	21
HAA018D	9/21/2022	GROSS ALPHA	15	0.959	pCi/L	J	J	0.836	1.94	21
HAA 15B	9/15/2022	GROSS ALPHA	15	0.956	pCi/L	J	J	0.708	1.92	21
HAA 8C	2/17/2022	GROSS ALPHA	15	0.919	pCi/L	J	J	0.418	1.14	21
HAA 13C	9/19/2022	GROSS ALPHA	15	0.884	pCi/L	J	J	0.867	2.13	21
HAA 14C	2/17/2022	GROSS ALPHA	15	0.831	pCi/L	J	U		2.3	V
HAA021C	2/16/2022	GROSS ALPHA	15	0.812	pCi/L	J	J	0.613	1.56	21
HAA 2C	9/13/2022	GROSS ALPHA	15	0.801	pCi/L	J	J	0.303	0.809	21
HAA 2D	2/16/2022	GROSS ALPHA	15	0.763	pCi/L	J	J	0.482	1.27	21
HAA 1A	9/13/2022	GROSS ALPHA	15	0.759	pCi/L	J	J	0.42	1.05	21
HAA 15D	2/23/2022	GROSS ALPHA	15	0.754	pCi/L	J	J	0.564	1.36	21
HAA 14C	9/19/2022	GROSS ALPHA	15	0.743	pCi/L	U	U	0.991	2.23	
HAA 1D	9/13/2022	GROSS ALPHA	15	0.728	pCi/L	J	J	0.386	0.95	21
HAA020C	9/19/2022	GROSS ALPHA	15	0.718	pCi/L	J	J	0.473	1.26	21
HAA 14D	2/17/2022	GROSS ALPHA	15	0.706	pCi/L	J	J	0.564	1.42	21
HAA 14C	9/19/2022	GROSS ALPHA	15	0.684	pCi/L	U	U	0.797	1.88	
HAA018C	2/17/2022	GROSS ALPHA	15	0.671	pCi/L	U	UJ	0.725	1.78	9
HAA 8C	9/13/2022	GROSS ALPHA	15	0.656	pCi/L	J	J	0.408	0.976	21
HAA 8D	2/17/2022	GROSS ALPHA	15	0.653	pCi/L	U	U	0.728	1.72	
HAA 8D	9/13/2022	GROSS ALPHA	15	0.651	pCi/L	J	J	0.489	1.14	21
HAA 10C	9/14/2022	GROSS ALPHA	15	0.647	pCi/L	J	J	0.574	1.4	21
HAA 9D	2/17/2022	GROSS ALPHA	15	0.646	pCi/L	J	J	0.62	1.52	21
HAA 13D	2/17/2022	GROSS ALPHA	15	0.637	pCi/L	J	J	0.546	1.36	21
HAA 14C	9/19/2022	GROSS ALPHA	15	0.627	pCi/L	J	U	0.741	1.88	
HAA 10C	2/17/2022	GROSS ALPHA	15	0.617	pCi/L	J	J	0.604	1.44	21
HAA 11B	2/17/2022	GROSS ALPHA	15	0.604	pCi/L	U	U	0.891	2.03	
HAA017C	2/17/2022	GROSS ALPHA	15	0.598	pCi/L	J	J	0.551	1.36	21
HAA 11C	9/14/2022	GROSS ALPHA	15	0.583	pCi/L	U	U	0.693	1.64	
HAA 14D	9/19/2022	GROSS ALPHA	15	0.541	pCi/L	U	U	0.73	1.66	
HAA 1A	2/16/2022	GROSS ALPHA	15	0.517	pCi/L	U	U	0.698	1.58	
HAA 10C	2/17/2022	GROSS ALPHA	15	0.511	pCi/L	U	U	0.576	1.39	
HAA 10B	9/14/2022	GROSS ALPHA	15	0.501	pCi/L	U	U	0.95	2.11	
HAA 7C	2/17/2022	GROSS ALPHA	15	0.495	pCi/L	U	U	0.8	1.83	
HAA018D	9/21/2022	GROSS ALPHA	15	0.478	pCi/L	U	U	0.564	1.28	
HAA 9B	9/13/2022	GROSS ALPHA	15	0.458	pCi/L	U	U	0.545	1.24	
HAA021C	9/19/2022	GROSS ALPHA	15	0.457	pCi/L	U	U	0.534	1.25	
HAA 14B	2/17/2022	GROSS ALPHA	15	0.444	pCi/L	U	U	0.971	2.12	
HAA 12C	2/17/2022	GROSS ALPHA	15	0.441	pCi/L	U	U	0.604	1.4	

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 11D	2/17/2022	GROSS ALPHA	15	0.399	pCi/L	U	U	0.883	1.92	
HAA 2B	9/13/2022	GROSS ALPHA	15	0.398	pCi/L	U	U	0.597	1.33	
HAA 4C	9/19/2022	GROSS ALPHA	15	0.376	pCi/L	U	U	0.861	1.87	
HAA 9D	9/13/2022	GROSS ALPHA	15	0.376	pCi/L	U	U	0.417	0.945	
HAA 2C	2/16/2022	GROSS ALPHA	15	0.353	pCi/L	U	U	0.559	1.25	
HAA 12B	9/15/2022	GROSS ALPHA	15	0.352	pCi/L	U	U	0.982	2.1	
HAA 2D	9/13/2022	GROSS ALPHA	15	0.35	pCi/L	U	U	0.399	0.905	
HAA 10B	9/14/2022	GROSS ALPHA	15	0.349	pCi/L	U	U	0.752	1.65	
HAA 8B	9/13/2022	GROSS ALPHA	15	0.334	pCi/L	U	U	0.367	0.835	
HAA 13B	2/17/2022	GROSS ALPHA	15	0.331	pCi/L	U	U	0.971	2.05	
HAA 4B	2/16/2022	GROSS ALPHA	15	0.329	pCi/L	U	U	0.986	2.09	
HAA018C	9/21/2022	GROSS ALPHA	15	0.3	pCi/L	U	U	0.601	1.32	
HAA 13C	2/17/2022	GROSS ALPHA	15	0.284	pCi/L	U	U	0.858	1.81	
HAA 12D	2/17/2022	GROSS ALPHA	15	0.282	pCi/L	U	U	0.843	1.77	
HAA 9C	9/13/2022	GROSS ALPHA	15	0.28	pCi/L	U	U	0.415	0.921	
HAA 13B	9/19/2022	GROSS ALPHA	15	0.278	pCi/L	U	U	0.823	1.75	
HAA 8B	9/13/2022	GROSS ALPHA	15	0.269	pCi/L	J	U	0.552	1.33	
HAA 7B	9/13/2022	GROSS ALPHA	15	0.209	pCi/L	U	U	0.548	1.19	
HAA 10B	2/17/2022	GROSS ALPHA	15	0.206	pCi/L	U	U	0.974	2	
HAA020C	2/16/2022	GROSS ALPHA	15	0.198	pCi/L	U	U	0.693	1.44	
HAA018C	2/17/2022	GROSS ALPHA	15	0.168	pCi/L	U	U	0.384	0.832	
HAA 15B	2/23/2022	GROSS ALPHA	15	0.159	pCi/L	U	U	0.969	2.04	
HAA 4C	2/16/2022	GROSS ALPHA	15	0.146	pCi/L	U	U	0.84	1.73	
HAA017D	2/17/2022	GROSS ALPHA	15	0.146	pCi/L	U	U	0.445	0.947	
HAA 8B	2/17/2022	GROSS ALPHA	15	0.142	pCi/L	U	U	0.494	1.03	
HAA018C	9/21/2022	GROSS ALPHA	15	0.125	pCi/L	U	U	0.753	1.58	
HAA 7B	2/17/2022	GROSS ALPHA	15	0.121	pCi/L	U	U	0.676	1.41	
HAA 14C	2/17/2022	GROSS ALPHA	15	0.0791	pCi/L	U	U	0.665	1.32	
HAA019C	9/19/2022	GROSS ALPHA	15	0.046	pCi/L	U	U	0.935	1.86	
HAA019C	2/16/2022	GROSS ALPHA	15	0.0273	pCi/L	U	U	0.771	1.53	
HAA 9C	2/17/2022	GROSS ALPHA	15	0.0269	pCi/L	U	U	0.791	1.51	
HAA017D	2/17/2022	GROSS ALPHA	15	-0.0219	pCi/L	U	U	0.78	1.59	
HAA 10B	9/14/2022	GROSS ALPHA	15	-0.0285	pCi/L	U	U	0.954	1.82	
HAA 11C	2/17/2022	GROSS ALPHA	15	-0.0624	pCi/L	U	U	0.778	1.42	
HAA 4B	9/19/2022	GROSS ALPHA	15	-0.07	pCi/L	U	U	0.996	1.87	
HAA 12B	2/17/2022	GROSS ALPHA	15	-0.245	pCi/L	U	U	1.23	2.45	
HAA 15C	5/11/2022	IODINE-129	1	0.0789	pCi/L	U		0.567	1.16	
HAA 15C	5/11/2022	IODINE-129	1	0.0398	pCi/L	U		0.407	0.809	
HAA 15C	5/11/2022	LEAD-212	1.8[b]	4.76	pCi/L	U		5.67	18.5	
HAA 15C	5/11/2022	LEAD-212	1.8[b]	2.9	pCi/L	U		5.06	15.6	
HAA 15C	**5/11/2022**	**LEAD-214**	**130[b]**	**172**	**pCi/L**			**6.37**	**31.2**	
HAA 15C	5/11/2022	LEAD-214	130[b]	123	pCi/L			7.51	32.1	
HAA 10D	9/14/2022	MANGANESE	430[a]	319	ug/L			1	5	
HAA 10D	2/17/2022	MANGANESE	430[a]	176	ug/L		J	1	5	9
HAA017C	9/15/2022	MANGANESE	430[a]	135	ug/L			1	5	
HAA019D	2/16/2022	MANGANESE	430[a]	117	ug/L		J	1	5	9
HAA019D	9/19/2022	MANGANESE	430[a]	116	ug/L			1	5	
HAA 7C	9/13/2022	MANGANESE	430[a]	108	ug/L			1	5	
HAA017D	9/15/2022	MANGANESE	430[a]	59.3	ug/L			1	5	
HAA 2B	2/16/2022	MANGANESE	430[a]	54	ug/L		J	1	5	9
HAA021D	2/16/2022	MANGANESE	430[a]	46.3	ug/L		J	1	5	9
HAA 15C	9/15/2022	MANGANESE	430[a]	45.5	ug/L			1	5	
HAA 1C	9/13/2022	MANGANESE	430[a]	44	ug/L			1	5	
HAA018D	2/17/2022	MANGANESE	430[a]	42.1	ug/L		J	1	5	9
HAA017D	2/17/2022	MANGANESE	430[a]	41.8	ug/L		J	1	5	9
HAA 1C	2/16/2022	MANGANESE	430[a]	36	ug/L		J	1	5	9
HAA 8C	9/13/2022	MANGANESE	430[a]	35.9	ug/L			1	5	
HAA 8C	2/17/2022	MANGANESE	430[a]	33.9	ug/L		J	1	5	9
HAA 8D	2/17/2022	MANGANESE	430[a]	32	ug/L		J	1	5	9
HAA017C	2/17/2022	MANGANESE	430[a]	30.7	ug/L		J	1	5	9
HAA 2C	9/13/2022	MANGANESE	430[a]	29.6	ug/L			1	5	
HAA018D	9/21/2022	MANGANESE	430[a]	27.6	ug/L			1	5	
HAA021D	9/19/2022	MANGANESE	430[a]	27.4	ug/L			1	5	
HAA 4D	2/16/2022	MANGANESE	430[a]	25.9	ug/L		J	1	5	9
HAA 4D	9/19/2022	MANGANESE	430[a]	25.6	ug/L			1	5	
HAA 8D	9/13/2022	MANGANESE	430[a]	24.5	ug/L			1	5	
HAA 2C	2/16/2022	MANGANESE	430[a]	18.7	ug/L		J	1	5	9
HAA021C	2/16/2022	MANGANESE	430[a]	16.4	ug/L		J	1	5	9
HAA 11C	2/17/2022	MANGANESE	430[a]	16.1	ug/L		J	1	5	9
HAA021C	9/19/2022	MANGANESE	430[a]	15.8	ug/L			1	5	
HAA 12C	2/17/2022	MANGANESE	430[a]	13.6	ug/L			1	5	
HAA 7C	2/17/2022	MANGANESE	430[a]	13.1	ug/L			1	5	
HAA 12C	9/15/2022	MANGANESE	430[a]	12.8	ug/L			1	5	

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HAA018C	9/21/2022	MANGANESE	430[a]	11.2	ug/L			1	5	
HAA018C	9/21/2022	MANGANESE	430[a]	10.9	ug/L			1	5	
HAA 15C	2/23/2022	MANGANESE	430[a]	9.93	ug/L			1	5	
HAA 10C	9/14/2022	MANGANESE	430[a]	9.75	ug/L			1	5	
HAA 10C	2/17/2022	MANGANESE	430[a]	9.53	ug/L			1	5	
HAA 11C	9/14/2022	MANGANESE	430[a]	9.39	ug/L			1	5	
HAA018C	2/17/2022	MANGANESE	430[a]	9.13	ug/L		J	1	5	9
HAA020D	9/19/2022	MANGANESE	430[a]	8.6	ug/L			1	5	
HAA018C	2/17/2022	MANGANESE	430[a]	8.58	ug/L			1	5	
HAA 13D	9/19/2022	MANGANESE	430[a]	8.28	ug/L			1	5	
HAA 9C	2/17/2022	MANGANESE	430[a]	6.31	ug/L			1	5	
HAA 2B	9/13/2022	MANGANESE	430[a]	5.69	ug/L			1	5	
HAA 9D	2/17/2022	MANGANESE	430[a]	5.31	ug/L			1	5	
HAA 13D	2/17/2022	MANGANESE	430[a]	5.18	ug/L			1	5	
HAA 15D	9/15/2022	MANGANESE	430[a]	5.11	ug/L			1	5	
HAA 1A	2/16/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 1A	9/13/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 4B	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 4C	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 8B	9/13/2022	MANGANESE	430[a]	5	ug/L			5	5	S
HAA 9B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 9B	9/13/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 10B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 10B	9/14/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 10B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 11B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 12B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 12B	9/15/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 13B	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 13B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 13C	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 14B	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 14B	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 14C	9/19/2022	MANGANESE	430[a]	5	ug/L			5	5	S
HAA 14C	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 14C	2/17/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA 15B	2/23/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA019C	2/16/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA019C	9/19/2022	MANGANESE	430[a]	5	ug/L	U	U	1	5	
HAA020D	2/16/2022	MANGANESE	430[a]	4.94	ug/L	J	J	1	5	21
HAA 9C	9/13/2022	MANGANESE	430[a]	4.68	ug/L	J	J	1	5	21
HAA 9D	9/13/2022	MANGANESE	430[a]	4.07	ug/L	J	J	1	5	21
HAA020C	2/16/2022	MANGANESE	430[a]	3.67	ug/L	J	J	1	5	9;21
HAA 1D	2/16/2022	MANGANESE	430[a]	3.49	ug/L	J	J	1	5	9;21
HAA020C	9/19/2022	MANGANESE	430[a]	3.02	ug/L	J	J	1	5	21
HAA 8B	9/13/2022	MANGANESE	430[a]	2.92	ug/L	J	J	1	5	21
HAA 7D	9/13/2022	MANGANESE	430[a]	2.91	ug/L	J	J	1	5	21
HAA 8B	2/17/2022	MANGANESE	430[a]	2.83	ug/L	J	J	2.5	5	21
HAA 2D	2/16/2022	MANGANESE	430[a]	2.78	ug/L	J	J	1	5	9;21
HAA 13C	9/19/2022	MANGANESE	430[a]	2.77	ug/L	J	J	1	5	21
HAA 7D	2/17/2022	MANGANESE	430[a]	2.73	ug/L	J	J	1	5	9;21
HAA 8B	2/17/2022	MANGANESE	430[a]	2.67	ug/L	J	J	1	5	9;21
HAA 14C	2/17/2022	MANGANESE	430[a]	2.5	ug/L	U	U	2.5	5	V;21
HAA 11D	2/17/2022	MANGANESE	430[a]	2.48	ug/L	J	J	1	5	9;21
HAA 11D	9/14/2022	MANGANESE	430[a]	2.42	ug/L	J	J	1	5	21
HAA 1D	9/13/2022	MANGANESE	430[a]	2.36	ug/L	J	J	1	5	21
HAA 14D	2/17/2022	MANGANESE	430[a]	2.25	ug/L	J	J	1	5	9;21
HAA 7B	9/13/2022	MANGANESE	430[a]	2.22	ug/L	J	J	1	5	21
HAA 14D	9/19/2022	MANGANESE	430[a]	1.9	ug/L	J	J	1	5	21
HAA 7B	2/17/2022	MANGANESE	430[a]	1.63	ug/L	J	J	1	5	9;21
HAA 2D	9/13/2022	MANGANESE	430[a]	1.48	ug/L	J	J	1	5	21
HAA 15D	2/23/2022	MANGANESE	430[a]	1.38	ug/L	J	J	1	5	9;21
HAA 10B	9/14/2022	MANGANESE	430[a]	1.31	ug/L	J	J	1	5	21
HAA 11B	9/14/2022	MANGANESE	430[a]	1.23	ug/L	J	J	1	5	21
HAA 12D	9/15/2022	MANGANESE	430[a]	1.22	ug/L	J	J	1	5	21
HAA 15B	9/15/2022	MANGANESE	430[a]	1.2	ug/L	J	J	1	5	21
HAA 4C	2/16/2022	MANGANESE	430[a]	1.19	ug/L	J	J	1	5	9;21
HAA 12D	2/17/2022	MANGANESE	430[a]	1.14	ug/L	J	J	1	5	9;21

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 4B	2/16/2022	MANGANESE	430[a]	1.07	ug/L	J	J	1	5	9;21
HAA 15C	5/11/2022	NICKEL-59	300	25	pCi/L	U		165	321	
HAA 15C	5/11/2022	NICKEL-59	300	-17.2	pCi/L	U		62	132	
HAA 15C	5/11/2022	NICKEL-63	50	81.5	pCi/L	U		170	372	
HAA 15C	5/11/2022	NICKEL-63	50	59.1	pCi/L	U		184	400	
HAA 15C	5/11/2022	NIOBIUM-94		0.581	pCi/L	U		2.8	5.82	
HAA 4D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	6.44	mg/L	J	J	0.0158	0.05	9
HAA 4D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	6.06	mg/L			0.0158	0.05	
HAA 12C	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	3.65	mg/L			0.0158	0.05	
HAA 12C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	3.59	mg/L	J	J	0.079	0.25	9
HAA 11D	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.79	mg/L			0.0158	0.05	
HAA 11D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.74	mg/L	J	J	0.0158	0.05	9
HAA 8C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.39	mg/L	J	J	0.0158	0.05	9
HAA 12D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.39	mg/L	J	J	0.079	0.25	9
HAA 12D	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	2.39	mg/L			0.0158	0.05	
HAA019D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	2.36	mg/L	J	J	0.0158	0.05	9
HAA 9C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.32	mg/L	J	J	0.0158	0.05	9
HAA021D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	2.22	mg/L	J	J	0.0158	0.05	9
HAA 8C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	2.19	mg/L			0.0158	0.05	
HAA 10C	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	2.19	mg/L			0.0158	0.05	
HAA 10C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.19	mg/L	J	J	0.0158	0.05	9
HAA 9C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	2.14	mg/L			0.0158	0.05	
HAA018D	9/21/2022	NITRATE-NITRITE AS NITROGEN	10	2.13	mg/L			0.0158	0.05	
HAA 13D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	2.1	mg/L			0.0158	0.05	
HAA018D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.08	mg/L	J	J	0.0158	0.05	9
HAA 13D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	2.05	mg/L	J	J	0.079	0.25	9
HAA 15D	2/23/2022	NITRATE-NITRITE AS NITROGEN	10	2.05	mg/L	J	J	0.079	0.25	9
HAA021D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	2.05	mg/L			0.0158	0.05	
HAA017D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.99	mg/L	J	J	0.0158	0.05	9
HAA 14D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	1.97	mg/L			0.0158	0.05	
HAA019D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	1.92	mg/L			0.0158	0.05	
HAA 13C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.86	mg/L	J	J	0.079	0.25	9
HAA 15D	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	1.85	mg/L			0.0158	0.05	
HAA 4B	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	1.84	mg/L			0.0158	0.05	
HAA 15B	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	1.71	mg/L			0.0158	0.05	
HAA017D	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	1.69	mg/L			0.0158	0.05	
HAA 1D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	1.66	mg/L	J	J	0.0158	0.05	9
HAA 14D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.66	mg/L	J	J	0.0158	0.05	9
HAA 15B	2/23/2022	NITRATE-NITRITE AS NITROGEN	10	1.66	mg/L	J	J	0.079	0.25	9
HAA 4B	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	1.52	mg/L	J	J	0.0158	0.05	9
HAA020C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	1.43	mg/L	J	J	0.0158	0.05	9
HAA 15C	2/23/2022	NITRATE-NITRITE AS NITROGEN	10	1.41	mg/L	J	J	0.079	0.25	9
HAA020D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	1.41	mg/L	J	J	0.0158	0.05	9
HAA020D	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	1.31	mg/L			0.0158	0.05	
HAA 8D	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	1.28	mg/L			0.0158	0.05	
HAA 9D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.21	mg/L	J	J	0.0158	0.05	9
HAA021C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	1.19	mg/L	J	J	0.0158	0.05	9
HAA 7D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.18	mg/L	J	J	0.0158	0.05	9
HAA 1D	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	1.16	mg/L			0.0158	0.05	
HAA021C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	1.16	mg/L			0.0158	0.05	
HAA 15C	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	1.15	mg/L			0.0158	0.05	
HAA 7D	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	1.12	mg/L			0.0158	0.05	
HAA 11C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.11	mg/L	J	J	0.0158	0.05	9
HAA 8D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1.1	mg/L	J	J	0.0158	0.05	9
HAA 9D	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	1.09	mg/L			0.0158	0.05	
HAA 11C	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.05	mg/L			0.0158	0.05	
HAA 10B	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.01	mg/L			0.0158	0.05	
HAA 10B	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.01	mg/L			0.0158	0.05	
HAA 11B	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	1.01	mg/L			0.0158	0.05	
HAA 10B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1	mg/L	J	J	0.079	0.25	9
HAA 11B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	1	mg/L	J	J	0.0158	0.05	9
HAA 10B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.99	mg/L	J		0.079	0.25	
HAA 12B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.936	mg/L	J	J	0.0158	0.05	9
HAA 12B	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	0.878	mg/L			0.0158	0.05	
HAA019C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.769	mg/L	J	J	0.0158	0.05	9
HAA019C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.766	mg/L			0.0158	0.05	
HAA020C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.763	mg/L			0.0158	0.05	
HAA 2C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.745	mg/L			0.0158	0.05	
HAA 2D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.685	mg/L	J	J	0.0158	0.05	9
HAA 2D	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.675	mg/L	J		0.0158	0.05	
HAA 2D	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.662	mg/L			0.0158	0.05	
HAA 13C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.651	mg/L			0.0158	0.05	
HAA 2C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.586	mg/L	J		0.0158	0.05	
HAA 2C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.585	mg/L	J	J	0.0158	0.05	9
HAA 13B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.537	mg/L	J	J	0.0158	0.05	9
HAA 13B	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.497	mg/L			0.0158	0.05	
HAA 14C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.492	mg/L			0.2	0.2	
HAA 4C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.489	mg/L	J	J	0.0158	0.05	9

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 4C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.488	mg/L			0.0158	0.05	
HAA 4C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.482	mg/L			0.0158	0.05	
HAA 14C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.452	mg/L			0.0158	0.05	
HAA 14C	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.448	mg/L			0.0158	0.05	
HAA 14C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.441	mg/L	J	J	0.0158	0.05	9
HAA 14C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.418	mg/L			0.1	0.2	V
HAA 10D	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	0.412	mg/L			0.0158	0.05	
HAA 10D	9/14/2022	NITRATE-NITRITE AS NITROGEN	10	0.411	mg/L			0.0158	0.05	
HAA 2B	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.396	mg/L	J	J	0.0158	0.05	9
HAA 2B	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.358	mg/L	J		0.0158	0.05	
HAA 10D	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.331	mg/L	J	J	0.0158	0.05	9
HAA 9B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.232	mg/L	J	J	0.0158	0.05	9
HAA 14B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.221	mg/L	J	J	0.0158	0.05	9
HAA 14B	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.216	mg/L			0.0158	0.05	
HAA 14B	9/19/2022	NITRATE-NITRITE AS NITROGEN	10	0.216	mg/L			0.0158	0.05	
HAA 8B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.2	mg/L			0.2	0.2	S
HAA 8B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.2	mg/L			0.2	0.2	S
HAA 1A	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.182	mg/L	J		0.0158	0.05	
HAA 1A	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.182	mg/L	J		0.0158	0.05	
HAA 9B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.179	mg/L			0.0158	0.05	
HAA 9B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.178	mg/L			0.0158	0.05	
HAA017C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.17	mg/L	J		0.0158	0.05	
HAA017C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.17	mg/L	J		0.0158	0.05	
HAA018C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.158	mg/L	J	J	0.0158	0.05	9
HAA018C	9/21/2022	NITRATE-NITRITE AS NITROGEN	10	0.157	mg/L			0.0158	0.05	
HAA018C	9/21/2022	NITRATE-NITRITE AS NITROGEN	10	0.157	mg/L			0.0158	0.05	
HAA018C	9/21/2022	NITRATE-NITRITE AS NITROGEN	10	0.15	mg/L			0.0158	0.05	
HAA 8B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.136	mg/L	J	J	0.1	0.2	21
HAA 8B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.122	mg/L	J		0.0158	0.05	
HAA 8B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.119	mg/L			0.0158	0.05	
HAA 8B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.117	mg/L			0.0158	0.05	
HAA018C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.117	mg/L	J		0.0158	0.05	
HAA 2B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.115	mg/L			0.0158	0.05	
HAA 7B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.112	mg/L			0.0158	0.05	
HAA 7B	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.111	mg/L			0.0158	0.05	
HAA017C	9/15/2022	NITRATE-NITRITE AS NITROGEN	10	0.109	mg/L			0.0158	0.05	
HAA 7B	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.105	mg/L	J	J	0.0158	0.05	9
HAA 1C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.088	mg/L	J		0.0158	0.05	
HAA 1C	2/16/2022	NITRATE-NITRITE AS NITROGEN	10	0.0783	mg/L	J	J	0.0158	0.05	9
HAA 7C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.0671	mg/L	J	J	0.0158	0.05	9
HAA 7C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.0671	mg/L			0.0158	0.05	
HAA 1A	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.0621	mg/L			0.0158	0.05	
HAA 7C	2/17/2022	NITRATE-NITRITE AS NITROGEN	10	0.0573	mg/L	J		0.0158	0.05	
HAA 1C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.05	mg/L	U	U	0.0158	0.05	
HAA 1C	9/13/2022	NITRATE-NITRITE AS NITROGEN	10	0.05	mg/L	U	U	0.0158	0.05	
HAA 15C	**2/23/2022**	**NONVOLATILE BETA**	**50**	**110**	**pCi/L**		**J**	**1.54**	**6.4**	**9**
HAA 12B	2/17/2022	NONVOLATILE BETA	50	24.7	pCi/L		J	1.01	3.53	9
HAA 4D	9/19/2022	NONVOLATILE BETA	50	19.4	pCi/L			0.986	3.73	
HAA 12B	9/15/2022	NONVOLATILE BETA	50	19.1	pCi/L			0.691	2.87	
HAA 4D	2/16/2022	NONVOLATILE BETA	50	18.2	pCi/L		J	0.955	3.96	9
HAA 13C	2/17/2022	NONVOLATILE BETA	50	17.7	pCi/L		J	1.63	4.25	9
HAA 7D	9/13/2022	NONVOLATILE BETA	50	5.79	pCi/L			0.628	1.69	
HAA 15C	5/11/2022	NONVOLATILE BETA	50	5.75	pCi/L			0.992	2.98	
HAA 12C	2/17/2022	NONVOLATILE BETA	50	5.52	pCi/L		J	1.08	2.69	9
HAA 12C	9/15/2022	NONVOLATILE BETA	50	5.44	pCi/L			0.951	2.7	
HAA 14C	2/17/2022	NONVOLATILE BETA	50	5.29	pCi/L		J		5.35	21
HAA 8B	2/17/2022	NONVOLATILE BETA	50	5.01	pCi/L		J		5.32	21
HAA 9B	2/17/2022	NONVOLATILE BETA	50	4.98	pCi/L		J	1.89	4.39	9
HAA 15C	5/11/2022	NONVOLATILE BETA	50	4.94	pCi/L			0.972	2.67	
HAA 10D	9/14/2022	NONVOLATILE BETA	50	4.68	pCi/L			0.981	2.72	
HAA 7D	2/17/2022	NONVOLATILE BETA	50	4.23	pCi/L		J	1.25	3.01	9
HAA 10D	2/17/2022	NONVOLATILE BETA	50	4.01	pCi/L		J	0.952	2.59	9
HAA 15C	9/15/2022	NONVOLATILE BETA	50	3.65	pCi/L			0.969	2.58	
HAA 11B	9/14/2022	NONVOLATILE BETA	50	2.99	pCi/L			0.683	1.91	
HAA 15B	2/23/2022	NONVOLATILE BETA	50	2.87	pCi/L	J	J	1.32	3.08	21
HAA 9D	9/13/2022	NONVOLATILE BETA	50	2.82	pCi/L			0.695	1.65	
HAA 12D	2/17/2022	NONVOLATILE BETA	50	2.79	pCi/L		J	0.554	1.38	9
HAA 11D	9/14/2022	NONVOLATILE BETA	50	2.57	pCi/L			0.991	2.38	
HAA 1C	2/16/2022	NONVOLATILE BETA	50	2.46	pCi/L			0.986	2.31	
HAA 12D	9/15/2022	NONVOLATILE BETA	50	2.46	pCi/L			0.982	2.43	
HAA 14C	2/17/2022	NONVOLATILE BETA	50	2.28	pCi/L		U		5.09	V
HAA 7C	9/13/2022	NONVOLATILE BETA	50	2.19	pCi/L			0.859	1.96	
HAA021D	2/16/2022	NONVOLATILE BETA	50	2.18	pCi/L			0.922	2.18	S
HAA 4B	2/16/2022	NONVOLATILE BETA	50	2.12	pCi/L			0.728	1.85	
HAA 9D	2/17/2022	NONVOLATILE BETA	50	2.09	pCi/L	J	J	1.97	4.37	21
HAA 8C	2/17/2022	NONVOLATILE BETA	50	2.07	pCi/L	J	J	1.48	3.32	21
HAA 10B	2/17/2022	NONVOLATILE BETA	50	2	pCi/L	J	J	0.914	2.27	21
HAA 1D	2/16/2022	NONVOLATILE BETA	50	1.9	pCi/L	J	J	0.957	2.25	21

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 4B	9/19/2022	NONVOLATILE BETA	50	1.88	pCi/L	J	J	0.945	2.31	21
HAA 1A	2/16/2022	NONVOLATILE BETA	50	1.82	pCi/L			0.742	1.73	
HAA 14D	2/17/2022	NONVOLATILE BETA	50	1.81	pCi/L	J	J	0.871	1.97	21
HAA020D	9/19/2022	NONVOLATILE BETA	50	1.78	pCi/L	J	J	0.984	2.32	21
HAA 2C	9/13/2022	NONVOLATILE BETA	50	1.7	pCi/L			0.444	1.09	
HAA 13B	9/19/2022	NONVOLATILE BETA	50	1.66	pCi/L	J	J	0.968	2.31	21
HAA 13D	2/17/2022	NONVOLATILE BETA	50	1.66	pCi/L	J	J	1.1	2.49	21
HAA 15D	9/15/2022	NONVOLATILE BETA	50	1.65	pCi/L	J	J	0.987	2.29	21
HAA 1D	9/13/2022	NONVOLATILE BETA	50	1.54	pCi/L			0.555	1.3	
HAA017C	9/15/2022	NONVOLATILE BETA	50	1.52	pCi/L	J	J	0.959	2.24	21
HAA 11B	2/17/2022	NONVOLATILE BETA	50	1.51	pCi/L	J	J	0.954	2.26	21
HAA017D	9/15/2022	NONVOLATILE BETA	50	1.5	pCi/L	J	J	0.973	2.32	21
HAA 10C	9/14/2022	NONVOLATILE BETA	50	1.45	pCi/L	J	J	0.988	2.27	21
HAA 1C	9/13/2022	NONVOLATILE BETA	50	1.39	pCi/L			0.537	1.26	
HAA 14D	9/19/2022	NONVOLATILE BETA	50	1.36	pCi/L	J	J	0.987	2.27	21
HAA 15B	9/15/2022	NONVOLATILE BETA	50	1.36	pCi/L	J	J	0.962	2.28	21
HAA 14C	9/19/2022	NONVOLATILE BETA	50	1.35	pCi/L	J	J	0.98	2.26	21
HAA 2B	2/16/2022	NONVOLATILE BETA	50	1.3	pCi/L	J	J	0.75	1.86	21
HAA020D	2/16/2022	NONVOLATILE BETA	50	1.3	pCi/L	J	J	0.884	2.05	21
HAA 1A	9/13/2022	NONVOLATILE BETA	50	1.29	pCi/L	J	J	0.619	1.42	21
HAA 13D	9/19/2022	NONVOLATILE BETA	50	1.28	pCi/L	J	J	0.995	2.32	21
HAA018D	2/17/2022	NONVOLATILE BETA	50	1.23	pCi/L	J	J	0.977	2.24	21
HAA 8D	9/13/2022	NONVOLATILE BETA	50	1.22	pCi/L	J	J	0.606	1.39	21
HAA 11C	2/17/2022	NONVOLATILE BETA	50	1.21	pCi/L	J	J	0.682	1.54	21
HAA 7B	9/13/2022	NONVOLATILE BETA	50	1.13	pCi/L	J	J	0.601	1.37	21
HAA 2B	9/13/2022	NONVOLATILE BETA	50	1.12	pCi/L	J	J	0.669	1.51	21
HAA 8D	2/17/2022	NONVOLATILE BETA	50	1.11	pCi/L	U	U	1.36	3.01	
HAA 13C	9/19/2022	NONVOLATILE BETA	50	1.1	pCi/L	J	J	0.959	2.21	21
HAA020C	2/16/2022	NONVOLATILE BETA	50	1.1	pCi/L	J	J	0.735	1.75	21
HAA018C	2/17/2022	NONVOLATILE BETA	50	1.09	pCi/L	J	J	1.01	2.27	9;21
HAA018D	9/21/2022	NONVOLATILE BETA	50	1.09	pCi/L	J	J	0.977	2.2	21
HAA 9B	9/13/2022	NONVOLATILE BETA	50	1.08	pCi/L	J	J	0.608	1.38	21
HAA019D	9/19/2022	NONVOLATILE BETA	50	1.04	pCi/L	J	J	0.99	2.24	21
HAA 2D	2/16/2022	NONVOLATILE BETA	50	1.03	pCi/L	J	J	0.953	2.15	21
HAA 10B	2/17/2022	NONVOLATILE BETA	50	1.03	pCi/L	J	J	0.785	1.82	21
HAA 11D	2/17/2022	NONVOLATILE BETA	50	1	pCi/L	J	J	0.688	1.55	21
HAA 9C	9/13/2022	NONVOLATILE BETA	50	0.982	pCi/L	J	J	0.755	1.69	21
HAA 1A	2/16/2022	NONVOLATILE BETA	50	0.964	pCi/L	J	J	0.598	1.36	21
HAA017D	2/17/2022	NONVOLATILE BETA	50	0.929	pCi/L	U	U	0.985	2.19	
HAA017C	9/15/2022	NONVOLATILE BETA	50	0.918	pCi/L	U	U	0.983	2.23	
HAA 8B	9/13/2022	NONVOLATILE BETA	50	0.895	pCi/L	J	J	0.578	1.31	21
HAA019D	2/16/2022	NONVOLATILE BETA	50	0.89	pCi/L	J	J	0.739	1.75	21
HAA 2C	2/16/2022	NONVOLATILE BETA	50	0.888	pCi/L	J	J	0.665	1.55	21
HAA 10B	9/14/2022	NONVOLATILE BETA	50	0.873	pCi/L	U	U	0.949	2.16	
HAA 13B	2/17/2022	NONVOLATILE BETA	50	0.863	pCi/L	U	U	0.975	2.21	
HAA021C	2/16/2022	NONVOLATILE BETA	50	0.791	pCi/L	U	U	0.833	1.89	
HAA 7C	2/17/2022	NONVOLATILE BETA	50	0.781	pCi/L	J	J	0.534	1.21	21
HAA 10B	9/14/2022	NONVOLATILE BETA	50	0.777	pCi/L	U	U	0.862	1.95	
HAA 11C	2/17/2022	NONVOLATILE BETA	50	0.747	pCi/L	J	J	0.48	1.09	21
HAA 8B	2/17/2022	NONVOLATILE BETA	50	0.739	pCi/L	U	U	1.4	3.07	
HAA 8C	9/13/2022	NONVOLATILE BETA	50	0.739	pCi/L	J	J	0.488	1.11	21
HAA021C	9/19/2022	NONVOLATILE BETA	50	0.732	pCi/L	U	U	0.994	2.2	
HAA018C	9/21/2022	NONVOLATILE BETA	50	0.729	pCi/L	U	U	0.988	2.19	
HAA 9C	2/17/2022	NONVOLATILE BETA	50	0.71	pCi/L	U	U	0.73	1.62	
HAA 14C	2/17/2022	NONVOLATILE BETA	50	0.708	pCi/L	U	U	0.988	2.19	
HAA 14C	9/19/2022	NONVOLATILE BETA	50	0.656	pCi/L	U	U	0.727	1.64	
HAA018C	2/17/2022	NONVOLATILE BETA	50	0.644	pCi/L	U	U	0.971	2.14	
HAA 14B	2/17/2022	NONVOLATILE BETA	50	0.621	pCi/L	U	U	0.781	1.72	
HAA 11C	9/14/2022	NONVOLATILE BETA	50	0.611	pCi/L	U	U	0.963	2.13	
HAA 15D	2/23/2022	NONVOLATILE BETA	50	0.571	pCi/L	U	U	1.03	2.26	
HAA 14B	9/19/2022	NONVOLATILE BETA	50	0.517	pCi/L	U	U	0.733	1.63	
HAA021D	9/19/2022	NONVOLATILE BETA	50	0.504	pCi/L	U	U	0.999	2.2	
HAA020C	9/19/2022	NONVOLATILE BETA	50	0.435	pCi/L	U	U	0.976	2.13	
HAA 2D	9/13/2022	NONVOLATILE BETA	50	0.347	pCi/L	U	U	0.635	1.39	
HAA019C	9/19/2022	NONVOLATILE BETA	50	0.319	pCi/L	U	U	0.977	2.11	
HAA018C	9/21/2022	NONVOLATILE BETA	50	0.318	pCi/L	U	U	0.984	2.14	
HAA 4C	9/19/2022	NONVOLATILE BETA	50	0.279	pCi/L	U	U	0.994	2.14	
HAA018D	9/21/2022	NONVOLATILE BETA	50	0.274	pCi/L	U	U	0.99	2.15	
HAA017C	2/17/2022	NONVOLATILE BETA	50	0.268	pCi/L	U	U	0.777	1.7	
HAA 4C	2/16/2022	NONVOLATILE BETA	50	0.252	pCi/L	U	U	0.822	1.78	
HAA019C	2/16/2022	NONVOLATILE BETA	50	0.251	pCi/L	U	U	0.824	1.78	
HAA 10C	2/17/2022	NONVOLATILE BETA	50	0.22	pCi/L	U	U	0.686	1.49	
HAA 14C	9/19/2022	NONVOLATILE BETA	50	0.0254	pCi/L	U	U	1.64	4.06	
HAA017D	2/17/2022	NONVOLATILE BETA	50	-0.111	pCi/L	U	U	0.984	2.1	
HAA 10B	9/14/2022	NONVOLATILE BETA	50	-0.158	pCi/L	U	U	0.834	1.71	
HAA 8B	9/13/2022	NONVOLATILE BETA	50	-0.208	pCi/L	U	U	1.61	3.95	
HAA 7B	2/17/2022	NONVOLATILE BETA	50	-1.39	pCi/L	U	UJ	1.92	4.08	9
HAA 12B	2/17/2022	PH	NA	12.2	pH					

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 12B	9/15/2022	PH	NA	11.7	pH					
HAA 13C	2/17/2022	PH	NA	11.5	pH					
HAA 11B	2/17/2022	PH	NA	10.8	pH					
HAA 4B	2/16/2022	PH	NA	10.6	pH					
HAA 4B	9/19/2022	PH	NA	10.4	pH					
HAA 13C	9/19/2022	PH	NA	10.1	pH					
HAA 13B	2/17/2022	PH	NA	10	pH					
HAA 11B	9/14/2022	PH	NA	9.6	pH					
HAA 13B	9/19/2022	PH	NA	9.6	pH					
HAA 1A	9/13/2022	PH	NA	8.9	pH					
HAA 14B	9/19/2022	PH	NA	8.6	pH					
HAA 14B	2/17/2022	PH	NA	8.1	pH					
HAA 9B	9/13/2022	PH	NA	7.8	pH					
HAA 10B	9/14/2022	PH	NA	7.7	pH					
HAA 2B	2/16/2022	PH	NA	7.6	pH					
HAA 9B	2/17/2022	PH	NA	7.6	pH					
HAA 1A	2/16/2022	PH	NA	7.4	pH					
HAA 4C	9/19/2022	PH	NA	7.4	pH					
HAA 4C	2/16/2022	PH	NA	7.2	pH					
HAA 10B	2/17/2022	PH	NA	6.9	pH					
HAA019C	2/16/2022	PH	NA	6.8	pH					
HAA019C	9/19/2022	PH	NA	6.8	pH					
HAA 2B	9/13/2022	PH	NA	6.7	pH					
HAA 14C	9/19/2022	PH	NA	6.7	pH					
HAA 15B	9/15/2022	PH	NA	6.7	pH					
HAA020C	2/16/2022	PH	NA	6.6	pH					
HAA 1C	9/13/2022	PH	NA	6.5	pH					
HAA 15C	9/15/2022	PH	NA	6.5	pH					
HAA 7C	9/13/2022	PH	NA	6.4	pH					
HAA 15D	9/15/2022	PH	NA	6.4	pH					
HAA 2C	9/13/2022	PH	NA	6.3	pH					
HAA 15B	2/23/2022	PH	NA	6.3	pH					
HAA 7B	2/17/2022	PH	NA	6.2	pH					
HAA 14C	2/17/2022	PH	NA	6.2	pH					
HAA020C	9/19/2022	PH	NA	6.2	pH					
HAA 1C	2/16/2022	PH	NA	6.1	pH					
HAA 10C	2/17/2022	PH	NA	6.1	pH					
HAA 11C	9/14/2022	PH	NA	6.1	pH					
HAA 15C	2/23/2022	PH	NA	6	pH					
HAA 7C	2/17/2022	PH	NA	5.9	pH					
HAA 7B	9/13/2022	PH	NA	5.8	pH					
HAA 9C	2/17/2022	PH	NA	5.8	pH					
HAA 9C	9/13/2022	PH	NA	5.7	pH					
HAA 11C	2/17/2022	PH	NA	5.7	pH					
HAA 11D	9/14/2022	PH	NA	5.7	pH					
HAA017C	9/15/2022	PH	NA	5.7	pH					
HAA017D	9/15/2022	PH	NA	5.7	pH					
HAA021C	2/16/2022	PH	NA	5.7	pH					
HAA017C	2/17/2022	PH	NA	5.6	pH					
HAA 1D	2/16/2022	PH	NA	5.5	pH					
HAA 9D	2/17/2022	PH	NA	5.5	pH					
HAA020D	9/19/2022	PH	NA	5.5	pH					
HAA021D	2/16/2022	PH	NA	5.5	pH					
HAA 8B	9/13/2022	PH	NA	5.4	pH					
HAA 10C	9/14/2022	PH	NA	5.4	pH					
HAA018C	2/17/2022	PH	NA	5.4	pH					
HAA020D	2/16/2022	PH	NA	5.4	pH					
HAA 7D	9/13/2022	PH	NA	5.3	pH					
HAA 8B	2/17/2022	PH	NA	5.3	pH					
HAA021C	9/19/2022	PH	NA	5.3	pH					
HAA 2C	2/16/2022	PH	NA	5.2	pH					
HAA 10D	2/17/2022	PH	NA	5.2	pH					
HAA 2D	9/13/2022	PH	NA	5.1	pH					
HAA 12C	9/15/2022	PH	NA	5.1	pH					
HAA019D	2/16/2022	PH	NA	5.1	pH					
HAA 12C	2/17/2022	PH	NA	5	pH					
HAA018C	9/21/2022	PH	NA	5	pH					
HAA 9D	9/13/2022	PH	NA	4.9	pH					
HAA 13D	2/17/2022	PH	NA	4.9	pH					
HAA 1D	9/13/2022	PH	NA	4.8	pH					
HAA 8C	2/17/2022	PH	NA	4.8	pH					
HAA 15D	2/23/2022	PH	NA	4.8	pH					
HAA017D	2/17/2022	PH	NA	4.8	pH					
HAA018D	2/17/2022	PH	NA	4.8	pH					
HAA018D	9/21/2022	PH	NA	4.8	pH					
HAA021D	9/19/2022	PH	NA	4.8	pH					
HAA 4D	9/19/2022	PH	NA	4.7	pH					
HAA 10D	9/14/2022	PH	NA	4.7	pH					

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 12D	9/15/2022	PH	NA	4.7	pH					
HAA 13D	9/19/2022	PH	NA	4.7	pH					
HAA 14D	2/17/2022	PH	NA	4.7	pH					
HAA 14D	9/19/2022	PH	NA	4.7	pH					
HAA 4D	2/16/2022	PH	NA	4.5	pH					
HAA 8D	2/17/2022	PH	NA	4.5	pH					
HAA 11D	2/17/2022	PH	NA	4.5	pH					
HAA 12D	2/17/2022	PH	NA	4.5	pH					
HAA019D	9/19/2022	PH	NA	4.5	pH					
HAA 2D	2/16/2022	PH	NA	4.4	pH					
HAA 8C	9/13/2022	PH	NA	4.4	pH					
HAA 7D	2/17/2022	PH	NA	4.3	pH					
HAA 8D	9/13/2022	PH	NA	4.2	pH					
HAA 15C	5/11/2022	POTASSIUM-40	0.83[b]	-9.23	pCi/L	U		46.7	101	
HAA 15C	5/11/2022	POTASSIUM-40	0.83[b]	-17.3	pCi/L	U		35.5	81.7	
HAA 15C	5/11/2022	PROMETHIUM-144		1.69	pCi/L	U		3.01	8.37	
HAA 15C	5/11/2022	PROMETHIUM-146		-2.06	pCi/L	U		3.23	7.07	
HAA 15C	5/11/2022	PROMETHIUM-147	600	7.01	pCi/L	U		73.2	159	
HAA 15C	5/11/2022	PROMETHIUM-147	600	4.43	pCi/L	U		78.1	169	
HAA 15C	5/11/2022	RADIUM-226	5	1.32	pCi/L	J		0.631	1.77	21
HAA 15C	5/11/2022	RADIUM-226	5	1.08	pCi/L	J		0.45	1.41	21
HAA 15C	5/11/2022	RADIUM-228	5	0.996	pCi/L	J		0.659	1.58	21
HAA 15C	5/11/2022	RADIUM-228	5	0.471	pCi/L	U		0.559	1.27	
HAA 15C	5/11/2022	RUTHENIUM-106		14.2	pCi/L	U		29.1	59.1	
HAA 10D	2/17/2022	SODIUM	NA	17700	ug/L		J	400	1250	9;3
HAA 10D	9/14/2022	SODIUM	NA	13700	ug/L			80	250	
HAA019D	2/16/2022	SODIUM	NA	6580	ug/L		J	80	250	9
HAA 8C	9/13/2022	SODIUM	NA	6490	ug/L			80	250	
HAA 8D	2/17/2022	SODIUM	NA	6220	ug/L		J	80	250	9
HAA 15D	2/23/2022	SODIUM	NA	6020	ug/L		J	80	250	9
HAA 2B	9/13/2022	SODIUM	NA	6010	ug/L			80	250	
HAA 8C	2/17/2022	SODIUM	NA	5990	ug/L		J	80	250	9;3
HAA 2B	2/16/2022	SODIUM	NA	5840	ug/L		J	80	250	9
HAA 8D	9/13/2022	SODIUM	NA	5590	ug/L			80	250	
HAA 9D	2/17/2022	SODIUM	NA	5510	ug/L		J	80	250	9;3
HAA 9D	9/13/2022	SODIUM	NA	5320	ug/L			80	250	
HAA 15D	9/15/2022	SODIUM	NA	5310	ug/L			80	250	
HAA 12D	2/17/2022	SODIUM	NA	4940	ug/L		J	80	250	9
HAA 10B	2/17/2022	SODIUM	NA	4810	ug/L		J	80	250	3
HAA 12B	2/17/2022	SODIUM	NA	4800	ug/L		J	80	250	9;3
HAA 12D	9/15/2022	SODIUM	NA	4770	ug/L			80	250	
HAA020D	9/19/2022	SODIUM	NA	4770	ug/L			80	250	
HAA019D	9/19/2022	SODIUM	NA	4700	ug/L			80	250	
HAA 9C	2/17/2022	SODIUM	NA	4460	ug/L		J	80	250	9
HAA020D	2/16/2022	SODIUM	NA	4410	ug/L		J	80	250	9
HAA021D	9/19/2022	SODIUM	NA	4250	ug/L			80	250	
HAA021D	2/16/2022	SODIUM	NA	4130	ug/L		J	80	250	9
HAA 13C	2/17/2022	SODIUM	NA	4020	ug/L		J	80	250	9;3
HAA 13B	2/17/2022	SODIUM	NA	4010	ug/L		J	80	250	9;3
HAA 9C	9/13/2022	SODIUM	NA	3840	ug/L			80	250	
HAA 10B	2/17/2022	SODIUM	NA	3780	ug/L		J	80	250	9;3
HAA 15C	2/23/2022	SODIUM	NA	3710	ug/L		J	80	250	9
HAA 13D	2/17/2022	SODIUM	NA	3690	ug/L		J	80	250	9;3
HAA 13D	9/19/2022	SODIUM	NA	3640	ug/L			80	250	
HAA 11B	9/14/2022	SODIUM	NA	3610	ug/L			80	250	
HAA 13B	9/19/2022	SODIUM	NA	3610	ug/L			80	250	
HAA 12C	9/15/2022	SODIUM	NA	3580	ug/L			80	250	
HAA 10C	9/14/2022	SODIUM	NA	3540	ug/L			80	250	
HAA 13C	9/19/2022	SODIUM	NA	3530	ug/L			80	250	
HAA 10B	9/14/2022	SODIUM	NA	3470	ug/L			80	250	
HAA 11B	2/17/2022	SODIUM	NA	3470	ug/L		J	80	250	9;3
HAA 10B	9/14/2022	SODIUM	NA	3450	ug/L			80	250	
HAA 12C	2/17/2022	SODIUM	NA	3450	ug/L		J	80	250	9
HAA017D	2/17/2022	SODIUM	NA	3420	ug/L		J	80	250	9;3
HAA 15C	9/15/2022	SODIUM	NA	3400	ug/L			80	250	
HAA 12B	9/15/2022	SODIUM	NA	3360	ug/L			80	250	
HAA 10C	2/17/2022	SODIUM	NA	3350	ug/L		J	80	250	9;3
HAA 14D	9/19/2022	SODIUM	NA	3340	ug/L			80	250	
HAA020C	9/19/2022	SODIUM	NA	3300	ug/L			80	250	
HAA018D	9/21/2022	SODIUM	NA	3270	ug/L			80	250	
HAA 4B	2/16/2022	SODIUM	NA	3200	ug/L		J	80	250	9
HAA017D	9/15/2022	SODIUM	NA	3090	ug/L			80	250	
HAA 4B	9/19/2022	SODIUM	NA	3080	ug/L			80	250	
HAA018D	2/17/2022	SODIUM	NA	3080	ug/L		J	80	250	9;3
HAA 14B	2/17/2022	SODIUM	NA	3050	ug/L		J	80	250	9
HAA 14B	9/19/2022	SODIUM	NA	3040	ug/L			80	250	
HAA 8B	9/13/2022	SODIUM	NA	3000	ug/L			3000	3000	S
HAA 14C	9/19/2022	SODIUM	NA	3000	ug/L			3000	3000	S

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA020C	2/16/2022	SODIUM	NA	2940	ug/L		J	80	250	9
HAA021C	2/16/2022	SODIUM	NA	2870	ug/L		J	80	250	9
HAA021C	9/19/2022	SODIUM	NA	2750	ug/L			80	250	
HAA 2D	2/16/2022	SODIUM	NA	2740	ug/L		J	80	250	9
HAA 1D	2/16/2022	SODIUM	NA	2690	ug/L		J	80	250	9
HAA 7B	9/13/2022	SODIUM	NA	2660	ug/L			80	250	
HAA 15B	2/23/2022	SODIUM	NA	2660	ug/L		J	80	250	9
HAA 15B	9/15/2022	SODIUM	NA	2650	ug/L			80	250	
HAA 9B	2/17/2022	SODIUM	NA	2610	ug/L		J	80	250	9
HAA 7B	2/17/2022	SODIUM	NA	2570	ug/L		J	80	250	9
HAA 14D	2/17/2022	SODIUM	NA	2560	ug/L		J	80	250	9
HAA 7C	2/17/2022	SODIUM	NA	2550	ug/L		J	80	250	9
HAA017C	9/15/2022	SODIUM	NA	2500	ug/L			80	250	
HAA 1D	9/13/2022	SODIUM	NA	2460	ug/L			80	250	
HAA 7C	9/13/2022	SODIUM	NA	2440	ug/L			80	250	
HAA 1A	2/16/2022	SODIUM	NA	2420	ug/L		J	80	250	9
HAA 11C	9/14/2022	SODIUM	NA	2410	ug/L			80	250	
HAA 1C	2/16/2022	SODIUM	NA	2380	ug/L		J	80	250	9
HAA 8B	2/17/2022	SODIUM	NA	2350	ug/L	J	J	1500	3000	21
HAA 9B	9/13/2022	SODIUM	NA	2310	ug/L			80	250	
HAA 4D	2/16/2022	SODIUM	NA	2220	ug/L		J	80	250	9
HAA 1A	9/13/2022	SODIUM	NA	2150	ug/L			80	250	
HAA 11C	2/17/2022	SODIUM	NA	2120	ug/L		J	80	250	9
HAA 14C	2/17/2022	SODIUM	NA	2120	ug/L	J	J	1500	3000	21
HAA019C	2/16/2022	SODIUM	NA	2120	ug/L		J	80	250	9
HAA 2D	9/13/2022	SODIUM	NA	2080	ug/L			80	250	
HAA 14C	2/17/2022	SODIUM	NA	2050	ug/L		J	80	250	9;3
HAA 1C	9/13/2022	SODIUM	NA	2030	ug/L			80	250	
HAA 14C	9/19/2022	SODIUM	NA	1990	ug/L			80	250	
HAA 4D	9/19/2022	SODIUM	NA	1950	ug/L			80	250	
HAA 2C	2/16/2022	SODIUM	NA	1940	ug/L			80	250	
HAA019C	9/19/2022	SODIUM	NA	1870	ug/L			80	250	
HAA 2C	9/13/2022	SODIUM	NA	1850	ug/L			80	250	
HAA018C	9/21/2022	SODIUM	NA	1800	ug/L			80	250	
HAA 4C	9/19/2022	SODIUM	NA	1760	ug/L			80	250	
HAA 4C	2/16/2022	SODIUM	NA	1750	ug/L			80	250	
HAA018C	9/21/2022	SODIUM	NA	1750	ug/L			80	250	
HAA 8B	2/17/2022	SODIUM	NA	1740	ug/L			80	250	
HAA 8B	9/13/2022	SODIUM	NA	1740	ug/L			80	250	
HAA018C	2/17/2022	SODIUM	NA	1720	ug/L		J	80	250	3
HAA017C	2/17/2022	SODIUM	NA	1680	ug/L			80	250	
HAA018C	2/17/2022	SODIUM	NA	1650	ug/L		J	80	250	9;3
HAA 7D	2/17/2022	SODIUM	NA	1580	ug/L			80	250	
HAA 11D	2/17/2022	SODIUM	NA	1340	ug/L		J	80	250	9
HAA 11D	9/14/2022	SODIUM	NA	1310	ug/L			80	250	
HAA 7D	9/13/2022	SODIUM	NA	1240	ug/L			80	250	
HAA 12B	2/17/2022	SPECIFIC CONDUCTANCE	NA	1295	uS/cm					
HAA 12B	9/15/2022	SPECIFIC CONDUCTANCE	NA	1291	uS/cm					
HAA 11B	9/14/2022	SPECIFIC CONDUCTANCE	NA	292	uS/cm					
HAA 13C	9/19/2022	SPECIFIC CONDUCTANCE	NA	242	uS/cm					
HAA 11B	2/17/2022	SPECIFIC CONDUCTANCE	NA	231	uS/cm					
HAA 4B	9/19/2022	SPECIFIC CONDUCTANCE	NA	224	uS/cm					
HAA 9B	2/17/2022	SPECIFIC CONDUCTANCE	NA	204	uS/cm					
HAA 9B	9/13/2022	SPECIFIC CONDUCTANCE	NA	204	uS/cm					
HAA 14B	9/19/2022	SPECIFIC CONDUCTANCE	NA	196	uS/cm					
HAA 14B	2/17/2022	SPECIFIC CONDUCTANCE	NA	195	uS/cm					
HAA 4B	2/16/2022	SPECIFIC CONDUCTANCE	NA	184	uS/cm					
HAA 10B	9/14/2022	SPECIFIC CONDUCTANCE	NA	176	uS/cm					
HAA 10B	2/17/2022	SPECIFIC CONDUCTANCE	NA	174	uS/cm					
HAA 1A	9/13/2022	SPECIFIC CONDUCTANCE	NA	161	uS/cm					
HAA 1A	2/16/2022	SPECIFIC CONDUCTANCE	NA	157	uS/cm					
HAA 13B	2/17/2022	SPECIFIC CONDUCTANCE	NA	137	uS/cm					
HAA 13B	9/19/2022	SPECIFIC CONDUCTANCE	NA	130	uS/cm					
HAA019C	9/19/2022	SPECIFIC CONDUCTANCE	NA	126	uS/cm					
HAA 4C	9/19/2022	SPECIFIC CONDUCTANCE	NA	124	uS/cm					
HAA019C	2/16/2022	SPECIFIC CONDUCTANCE	NA	124	uS/cm					
HAA 4C	2/16/2022	SPECIFIC CONDUCTANCE	NA	116	uS/cm					
HAA 14C	2/17/2022	SPECIFIC CONDUCTANCE	NA	113	uS/cm					
HAA 14C	9/19/2022	SPECIFIC CONDUCTANCE	NA	113	uS/cm					
HAA 2B	2/16/2022	SPECIFIC CONDUCTANCE	NA	110	uS/cm					
HAA020C	2/16/2022	SPECIFIC CONDUCTANCE	NA	94	uS/cm					
HAA 10D	2/17/2022	SPECIFIC CONDUCTANCE	NA	89	uS/cm					
HAA 1C	2/16/2022	SPECIFIC CONDUCTANCE	NA	85	uS/cm					
HAA 10D	9/14/2022	SPECIFIC CONDUCTANCE	NA	85	uS/cm					
HAA 1C	9/13/2022	SPECIFIC CONDUCTANCE	NA	84	uS/cm					
HAA 2B	9/13/2022	SPECIFIC CONDUCTANCE	NA	83	uS/cm					
HAA 4D	2/16/2022	SPECIFIC CONDUCTANCE	NA	83	uS/cm					
HAA 4D	9/19/2022	SPECIFIC CONDUCTANCE	NA	81	uS/cm					

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA020C	9/19/2022	SPECIFIC CONDUCTANCE	NA	77	uS/cm					
HAA 7C	9/13/2022	SPECIFIC CONDUCTANCE	NA	61	uS/cm					
HAA 9C	9/13/2022	SPECIFIC CONDUCTANCE	NA	60	uS/cm					
HAA 15B	9/15/2022	SPECIFIC CONDUCTANCE	NA	59	uS/cm					
HAA019D	2/16/2022	SPECIFIC CONDUCTANCE	NA	58	uS/cm					
HAA 8C	2/17/2022	SPECIFIC CONDUCTANCE	NA	57	uS/cm					
HAA 7C	2/17/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
HAA 8C	9/13/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
HAA 8D	2/17/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
HAA 9C	2/17/2022	SPECIFIC CONDUCTANCE	NA	56	uS/cm					
HAA 12C	2/17/2022	SPECIFIC CONDUCTANCE	NA	55	uS/cm					
HAA 15B	2/23/2022	SPECIFIC CONDUCTANCE	NA	54	uS/cm					
HAA 11C	9/14/2022	SPECIFIC CONDUCTANCE	NA	53	uS/cm					
HAA 12C	9/15/2022	SPECIFIC CONDUCTANCE	NA	53	uS/cm					
HAA 7B	9/13/2022	SPECIFIC CONDUCTANCE	NA	51	uS/cm					
HAA 8D	9/13/2022	SPECIFIC CONDUCTANCE	NA	51	uS/cm					
HAA 11D	9/14/2022	SPECIFIC CONDUCTANCE	NA	51	uS/cm					
HAA 11C	2/17/2022	SPECIFIC CONDUCTANCE	NA	49	uS/cm					
HAA 11D	2/17/2022	SPECIFIC CONDUCTANCE	NA	48	uS/cm					
HAA019D	9/19/2022	SPECIFIC CONDUCTANCE	NA	48	uS/cm					
HAA 15D	2/23/2022	SPECIFIC CONDUCTANCE	NA	47	uS/cm					
HAA 9D	2/17/2022	SPECIFIC CONDUCTANCE	NA	45	uS/cm					
HAA 10C	9/14/2022	SPECIFIC CONDUCTANCE	NA	45	uS/cm					
HAA 10C	2/17/2022	SPECIFIC CONDUCTANCE	NA	44	uS/cm					
HAA 12D	2/17/2022	SPECIFIC CONDUCTANCE	NA	44	uS/cm					
HAA 15D	9/15/2022	SPECIFIC CONDUCTANCE	NA	43	uS/cm					
HAA 7B	2/17/2022	SPECIFIC CONDUCTANCE	NA	42	uS/cm					
HAA 12D	9/15/2022	SPECIFIC CONDUCTANCE	NA	42	uS/cm					
HAA 7D	9/13/2022	SPECIFIC CONDUCTANCE	NA	41	uS/cm					
HAA 9D	9/13/2022	SPECIFIC CONDUCTANCE	NA	41	uS/cm					
HAA 7D	2/17/2022	SPECIFIC CONDUCTANCE	NA	40	uS/cm					
HAA018D	9/21/2022	SPECIFIC CONDUCTANCE	NA	40	uS/cm					
HAA021D	9/19/2022	SPECIFIC CONDUCTANCE	NA	40	uS/cm					
HAA 1D	9/13/2022	SPECIFIC CONDUCTANCE	NA	39	uS/cm					
HAA 13C	2/17/2022	SPECIFIC CONDUCTANCE	NA	39	uS/cm					
HAA 15C	2/23/2022	SPECIFIC CONDUCTANCE	NA	39	uS/cm					
HAA018D	2/17/2022	SPECIFIC CONDUCTANCE	NA	39	uS/cm					
HAA 13D	9/19/2022	SPECIFIC CONDUCTANCE	NA	38	uS/cm					
HAA 15C	9/15/2022	SPECIFIC CONDUCTANCE	NA	38	uS/cm					
HAA 8B	2/17/2022	SPECIFIC CONDUCTANCE	NA	37	uS/cm					
HAA 8B	9/13/2022	SPECIFIC CONDUCTANCE	NA	36	uS/cm					
HAA 13D	2/17/2022	SPECIFIC CONDUCTANCE	NA	36	uS/cm					
HAA 14D	9/19/2022	SPECIFIC CONDUCTANCE	NA	36	uS/cm					
HAA021D	2/16/2022	SPECIFIC CONDUCTANCE	NA	36	uS/cm					
HAA 1D	2/16/2022	SPECIFIC CONDUCTANCE	NA	35	uS/cm					
HAA 14D	2/17/2022	SPECIFIC CONDUCTANCE	NA	35	uS/cm					
HAA020D	2/16/2022	SPECIFIC CONDUCTANCE	NA	35	uS/cm					
HAA020D	9/19/2022	SPECIFIC CONDUCTANCE	NA	35	uS/cm					
HAA017D	2/17/2022	SPECIFIC CONDUCTANCE	NA	34	uS/cm					
HAA017D	9/15/2022	SPECIFIC CONDUCTANCE	NA	33	uS/cm					
HAA018C	9/21/2022	SPECIFIC CONDUCTANCE	NA	33	uS/cm					
HAA 2D	2/16/2022	SPECIFIC CONDUCTANCE	NA	31	uS/cm					
HAA017C	9/15/2022	SPECIFIC CONDUCTANCE	NA	30	uS/cm					
HAA 2D	9/13/2022	SPECIFIC CONDUCTANCE	NA	29	uS/cm					
HAA017C	2/17/2022	SPECIFIC CONDUCTANCE	NA	29	uS/cm					
HAA021C	9/19/2022	SPECIFIC CONDUCTANCE	NA	26	uS/cm					
HAA018C	2/17/2022	SPECIFIC CONDUCTANCE	NA	25	uS/cm					
HAA021C	2/16/2022	SPECIFIC CONDUCTANCE	NA	25	uS/cm					
HAA 2C	9/13/2022	SPECIFIC CONDUCTANCE	NA	21	uS/cm					
HAA 2C	2/16/2022	SPECIFIC CONDUCTANCE	NA	20	uS/cm					
HAA 15C	5/11/2022	STRONTIUM-90	8	-0.183	pCi/L	U		7.07	14.7	
HAA 15C	5/11/2022	STRONTIUM-90	8	-1.99	pCi/L	U		6.3	12.6	
HAA 12B	9/15/2022	TECHNETIUM-99	900	47	pCi/L			5.32	14.2	
HAA 12B	2/17/2022	TECHNETIUM-99	900	42.1	pCi/L		J	7.07	17	9
HAA 15D	2/23/2022	TECHNETIUM-99	900	27.7	pCi/L		J	7.71	18	9
HAA 12C	2/17/2022	TECHNETIUM-99	900	13.7	pCi/L	J	J	7.31	16.4	21
HAA 15C	2/23/2022	TECHNETIUM-99	900	12	pCi/L	J	J	7.32	16.4	21
HAA 12C	9/15/2022	TECHNETIUM-99	900	11.8	pCi/L	J	J	5.36	12.3	21
HAA 15C	2/23/2022	TECHNETIUM-99	900	11.3	pCi/L	J	J	7.68	17.2	21
HAA 15C	5/11/2022	TECHNETIUM-99	900	9.12	pCi/L	J		5.6	12.8	21
HAA 15C	5/11/2022	TECHNETIUM-99	900	9.1	pCi/L	J		6.06	13.8	21
HAA 15C	9/15/2022	TECHNETIUM-99	900	7.56	pCi/L	J	J	5.52	12.4	21
HAA 10D	9/14/2022	TECHNETIUM-99	900	5.62	pCi/L	U	U	7.46	16.5	
HAA 12D	9/15/2022	TECHNETIUM-99	900	4.87	pCi/L	U	U	5.32	11.8	
HAA020D	2/16/2022	TECHNETIUM-99	900	4.49	pCi/L	U	U	7.48	16.4	
HAA 15B	2/23/2022	TECHNETIUM-99	900	4.15	pCi/L	U	U	7.31	16	
HAA 12D	2/17/2022	TECHNETIUM-99	900	3.68	pCi/L	U	U	6.93	15.2	
HAA018C	9/21/2022	TECHNETIUM-99	900	3.1	pCi/L	U	U	9.14	20	

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HAA 4D	2/16/2022	TECHNETIUM-99	900	3.08	pCi/L	U	U	7.31	16	
HAA 13C	9/19/2022	TECHNETIUM-99	900	2.69	pCi/L	U	U	7.39	16.1	
HAA 7D	2/17/2022	TECHNETIUM-99	900	2.41	pCi/L	U	U	6.89	15.1	
HAA019D	9/19/2022	TECHNETIUM-99	900	2.38	pCi/L	U	U	7.31	15.9	
HAA 14D	9/19/2022	TECHNETIUM-99	900	2.29	pCi/L	U	U	7.15	15.5	
HAA 10B	9/14/2022	TECHNETIUM-99	900	2.18	pCi/L	U	U	5.94	12.9	
HAA 4D	9/19/2022	TECHNETIUM-99	900	2.11	pCi/L	U	U	7.4	16	
HAA018C	9/21/2022	TECHNETIUM-99	900	2.05	pCi/L	U	U	8.76	19.1	
HAA 7C	2/17/2022	TECHNETIUM-99	900	1.79	pCi/L	U	U	6.97	15.2	
HAA018D	9/21/2022	TECHNETIUM-99	900	1.76	pCi/L	U	U	9.13	19.9	
HAA 13B	2/17/2022	TECHNETIUM-99	900	1.75	pCi/L	U	U	6.96	15.2	
HAA 4B	9/19/2022	TECHNETIUM-99	900	1.62	pCi/L	U	U	7.08	15.3	
HAA 8C	9/13/2022	TECHNETIUM-99	900	1.61	pCi/L	U	U	7.15	15.4	
HAA 10D	2/17/2022	TECHNETIUM-99	900	1.61	pCi/L	U	U	7.73	16.8	
HAA 8B	2/17/2022	TECHNETIUM-99	900	1.48	pCi/L	U	U	7.45	16.2	
HAA 4C	9/19/2022	TECHNETIUM-99	900	1.47	pCi/L	U	U	6.99	15.1	
HAA 14C	9/19/2022	TECHNETIUM-99	900	1.4	pCi/L	U	U	16.7	36.2	
HAA017C	9/15/2022	TECHNETIUM-99	900	1.38	pCi/L	U	U	5.4	11.7	
HAA 11C	9/14/2022	TECHNETIUM-99	900	1.34	pCi/L	U	U	5.32	11.6	
HAA 8B	2/17/2022	TECHNETIUM-99	900	1.12	pCi/L	J	U		3.11	V
HAA 10B	9/14/2022	TECHNETIUM-99	900	1.12	pCi/L	U	U	5.54	12	
HAA 7B	2/17/2022	TECHNETIUM-99	900	1.05	pCi/L	U	U	6.75	14.7	
HAA 15B	9/15/2022	TECHNETIUM-99	900	1.04	pCi/L	U	U	5.49	11.9	
HAA 14D	9/19/2022	TECHNETIUM-99	900	0.958	pCi/L	U	U	7.46	16	
HAA 10B	2/17/2022	TECHNETIUM-99	900	0.887	pCi/L	U	U	6.95	15.1	
HAA019C	2/16/2022	TECHNETIUM-99	900	0.868	pCi/L	U	U	7.33	15.9	
HAA 14C	9/19/2022	TECHNETIUM-99	900	0.644	pCi/L	U	U	7.62	16.3	
HAA 4B	2/16/2022	TECHNETIUM-99	900	0.637	pCi/L	U	U	7.4	16.1	
HAA020D	9/19/2022	TECHNETIUM-99	900	0.627	pCi/L	U	U	7.22	15.5	
HAA020C	9/19/2022	TECHNETIUM-99	900	0.591	pCi/L	U	U	7.25	15.6	
HAA021D	9/19/2022	TECHNETIUM-99	900	0.582	pCi/L	U	U	7.25	15.6	
HAA 11D	9/14/2022	TECHNETIUM-99	900	0.544	pCi/L	U	U	5.3	11.5	
HAA 14C	2/17/2022	TECHNETIUM-99	900	0.508	pCi/L	U	U		3.09	V
HAA018C	9/21/2022	TECHNETIUM-99	900	0.451	pCi/L	U	U	9.02	19.6	
HAA 2D	9/13/2022	TECHNETIUM-99	900	0.343	pCi/L	U	U	6.89	14.8	
HAA 14B	2/17/2022	TECHNETIUM-99	900	0.336	pCi/L	U	U	7.13	15.5	
HAA 2C	2/16/2022	TECHNETIUM-99	900	0.313	pCi/L	U	U	7.2	15.6	
HAA 7C	2/17/2022	TECHNETIUM-99	900	0.282	pCi/L	U	U	7.19	15.6	
HAA 13D	2/17/2022	TECHNETIUM-99	900	0.223	pCi/L	U	U	6.94	15.1	
HAA 9C	9/13/2022	TECHNETIUM-99	900	0.149	pCi/L	U	U	7.38	15.8	
HAA 14B	9/19/2022	TECHNETIUM-99	900	0.131	pCi/L	U	U	7.09	15.2	
HAA 11B	2/17/2022	TECHNETIUM-99	900	0.119	pCi/L	U	U	7.38	16	
HAA 8D	2/17/2022	TECHNETIUM-99	900	0.0723	pCi/L	U	U	7.42	16.1	
HAA 8C	2/17/2022	TECHNETIUM-99	900	0.0438	pCi/L	U	U	7.76	16.8	
HAA 15D	9/15/2022	TECHNETIUM-99	900	0.00939	pCi/L	U	U	5.43	11.7	
HAA017C	2/17/2022	TECHNETIUM-99	900	-0.0761	pCi/L	U	U	7.42	16.1	
HAA 9D	2/17/2022	TECHNETIUM-99	900	-0.102	pCi/L	U	U	7.02	15.2	
HAA 14D	2/17/2022	TECHNETIUM-99	900	-0.125	pCi/L	U	U	7.09	15.4	
HAA 8B	9/13/2022	TECHNETIUM-99	900	-0.15	pCi/L	U	U	5.47	11.8	
HAA 9C	2/17/2022	TECHNETIUM-99	900	-0.215	pCi/L	U	U	7.02	15.2	
HAA018C	2/17/2022	TECHNETIUM-99	900	-0.229	pCi/L	U	UJ	7.76	16.8	9
HAA 2D	2/16/2022	TECHNETIUM-99	900	-0.239	pCi/L	U	U	7.66	16.6	
HAA 14C	2/17/2022	TECHNETIUM-99	900	-0.284	pCi/L	U	U	7.13	15.5	
HAA018C	2/17/2022	TECHNETIUM-99	900	-0.284	pCi/L	U	U	7.55	16.4	
HAA 9B	9/13/2022	TECHNETIUM-99	900	-0.312	pCi/L	U	U	7.17	15.3	
HAA 1C	9/13/2022	TECHNETIUM-99	900	-0.32	pCi/L	U	U	7.12	15.2	
HAA019D	2/16/2022	TECHNETIUM-99	900	-0.351	pCi/L	U	U	7.39	16	
HAA 1D	2/16/2022	TECHNETIUM-99	900	-0.361	pCi/L	U	U	7.67	16.6	
HAA017D	9/15/2022	TECHNETIUM-99	900	-0.367	pCi/L	U	U	5.32	11.4	
HAA 2B	2/16/2022	TECHNETIUM-99	900	-0.418	pCi/L	U	U	7.48	16.2	
HAA 1D	9/13/2022	TECHNETIUM-99	900	-0.471	pCi/L	U	U	7.72	16.4	
HAA021C	2/16/2022	TECHNETIUM-99	900	-0.513	pCi/L	U	U	7.12	15.4	
HAA 1A	2/16/2022	TECHNETIUM-99	900	-0.58	pCi/L	U	U	7.62	16.5	
HAA021C	9/19/2022	TECHNETIUM-99	900	-0.689	pCi/L	U	U	8.13	17.3	
HAA 10C	2/17/2022	TECHNETIUM-99	900	-0.74	pCi/L	U	U	6.96	15.1	
HAA 1C	2/16/2022	TECHNETIUM-99	900	-0.75	pCi/L	U	U	8.07	17.5	
HAA 11B	9/14/2022	TECHNETIUM-99	900	-0.765	pCi/L	U	U	5.28	11.3	
HAA017D	2/17/2022	TECHNETIUM-99	900	-0.796	pCi/L	U	U	7.19	15.6	
HAA 10B	2/17/2022	TECHNETIUM-99	900	-0.83	pCi/L	U	U	7.34	15.9	
HAA 13B	9/19/2022	TECHNETIUM-99	900	-0.839	pCi/L	U	U	6.93	14.7	
HAA 13C	2/17/2022	TECHNETIUM-99	900	-0.843	pCi/L	U	U	6.85	14.8	
HAA 13D	9/19/2022	TECHNETIUM-99	900	-0.858	pCi/L	U	U	8.11	17.2	
HAA 1D	2/16/2022	TECHNETIUM-99	900	-0.878	pCi/L	U	U	7.9	17.1	
HAA021D	2/16/2022	TECHNETIUM-99	900	-0.944	pCi/L	U	U	7.51	16.2	
HAA 7C	9/13/2022	TECHNETIUM-99	900	-1	pCi/L	U	U	7.05	15	
HAA 7B	9/13/2022	TECHNETIUM-99	900	-1.03	pCi/L	U	U	7.2	15.3	
HAA019C	9/19/2022	TECHNETIUM-99	900	-1.17	pCi/L	U	U	7.14	15.1	
HAA 11D	2/17/2022	TECHNETIUM-99	900	-1.31	pCi/L	U	U	6.88	14.9	

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 2B	9/13/2022	TECHNETIUM-99	900	-1.36	pCi/L	U	U	8.57	18.2	
HAA 9B	2/17/2022	TECHNETIUM-99	900	-1.38	pCi/L	U	U	7.6	16.4	
HAA020C	2/16/2022	TECHNETIUM-99	900	-1.38	pCi/L	U	U	7.39	16	
HAA 11C	2/17/2022	TECHNETIUM-99	900	-1.4	pCi/L	U	U	7	15.1	
HAA 7D	9/13/2022	TECHNETIUM-99	900	-1.49	pCi/L	U	U	7.21	15.2	
HAA 2C	9/13/2022	TECHNETIUM-99	900	-1.51	pCi/L	U	U	7.26	15.3	
HAA 8D	9/13/2022	TECHNETIUM-99	900	-1.63	pCi/L	U	U	6.83	14.4	
HAA 4C	2/16/2022	TECHNETIUM-99	900	-1.64	pCi/L	U	U	7.11	15.4	
HAA 10C	9/14/2022	TECHNETIUM-99	900	-1.83	pCi/L	U	U	5.43	11.6	
HAA018D	2/17/2022	TECHNETIUM-99	900	-1.9	pCi/L	U	U	8.3	17.9	
HAA 1A	9/13/2022	TECHNETIUM-99	900	-2.3	pCi/L	U	U	7.23	15.2	
HAA 9D	9/13/2022	TECHNETIUM-99	900	-3.67	pCi/L	U	U	7.19	15	
HAA 8B	9/13/2022	TECHNETIUM-99	900	-9.09	pCi/L	U	U	19	40.6	
HAA 15C	5/11/2022	THALLIUM-208		5.79	pCi/L	J		3	10.3	21
HAA 15C	5/11/2022	THALLIUM-208		0.824	pCi/L	U		3.14	7.74	
HAA 12C	**2/17/2022**	**TRITIUM**	**20**	**35.9**	**pCi/mL**		**J**	**0.498**	**2.8**	**SIG;9**
HAA 12C	**9/15/2022**	**TRITIUM**	**20**	**35.3**	**pCi/mL**			**0.483**	**2.81**	**SIG**
HAA 12D	2/17/2022	TRITIUM	20	9.81	pCi/mL		J	0.5	1.8	SIG;9
HAA 12D	9/15/2022	TRITIUM	20	9.73	pCi/mL			0.493	1.82	SIG
HAA 13D	9/19/2022	TRITIUM	20	7.56	pCi/mL			0.491	1.69	SIG
HAA 4D	9/19/2022	TRITIUM	20	7.48	pCi/mL			0.487	1.67	SIG
HAA 13D	2/17/2022	TRITIUM	20	7.29	pCi/mL		J	0.501	1.66	SIG;9
HAA 4D	2/16/2022	TRITIUM	20	6.4	pCi/mL		J	0.455	1.51	SIG;9
HAA 11D	2/17/2022	TRITIUM	20	6.02	pCi/mL		J	0.498	1.58	SIG;9
HAA 10D	2/17/2022	TRITIUM	20	5.86	pCi/mL		J	0.438	1.47	SIG;9
HAA 11D	9/14/2022	TRITIUM	20	5.85	pCi/mL			0.546	1.67	SIG
HAA 8D	2/17/2022	TRITIUM	20	5.17	pCi/mL		J	0.502	1.53	SIG;9
HAA 14D	2/17/2022	TRITIUM	20	4.94	pCi/mL		J	0.498	1.51	SIG;9
HAA 10D	9/14/2022	TRITIUM	20	4.93	pCi/mL			0.518	1.55	SIG
HAA 8D	9/13/2022	TRITIUM	20	4.78	pCi/mL			0.466	1.44	SIG
HAA 14D	9/19/2022	TRITIUM	20	4.41	pCi/mL			0.487	1.47	SIG
HAA 15D	9/15/2022	TRITIUM	20	4.35	pCi/mL			0.497	1.49	SIG
HAA 15D	2/23/2022	TRITIUM	20	4.29	pCi/mL		J	0.432	1.35	SIG;9
HAA 7D	9/13/2022	TRITIUM	20	4.09	pCi/mL			0.471	1.4	SIG
HAA 7D	2/17/2022	TRITIUM	20	3.92	pCi/mL		J	0.497	1.43	SIG;9
HAA 9D	2/17/2022	TRITIUM	20	3.92	pCi/mL		J	0.502	1.44	SIG;9
HAA 9D	9/13/2022	TRITIUM	20	3.9	pCi/mL			0.531	1.5	SIG
HAA 13B	9/19/2022	TRITIUM	20	3.82	pCi/mL			0.436	1.33	SIG
HAA 4B	9/19/2022	TRITIUM	20	3.29	pCi/mL			0.434	1.27	SIG
HAA 13C	2/17/2022	TRITIUM	20	3.15	pCi/mL		J	0.5	1.38	SIG;9
HAA 2D	9/13/2022	TRITIUM	20	2.69	pCi/mL			0.469	1.29	SIG
HAA 2D	2/16/2022	TRITIUM	20	2.68	pCi/mL		J	0.454	1.25	SIG;9
HAA 10C	2/17/2022	TRITIUM	20	2.63	pCi/mL		J	0.495	1.33	SIG;9
HAA 10C	9/14/2022	TRITIUM	20	2.61	pCi/mL			0.516	1.37	SIG
HAA017D	9/15/2022	TRITIUM	20	2.6	pCi/mL			0.534	1.43	SIG
HAA 4B	2/16/2022	TRITIUM	20	2.51	pCi/mL		J	0.454	1.23	SIG;9
HAA017D	2/17/2022	TRITIUM	20	2.48	pCi/mL			0.437	1.21	SIG
HAA021D	9/19/2022	TRITIUM	20	2.4	pCi/mL			0.481	1.29	SIG
HAA017D	2/17/2022	TRITIUM	20	2.3	pCi/mL		J	0.436	1.19	SIG;9
HAA020D	2/16/2022	TRITIUM	20	2.19	pCi/mL		J	0.455	1.21	SIG;9
HAA019D	9/19/2022	TRITIUM	20	2.17	pCi/mL			0.483	1.27	SIG
HAA018D	2/17/2022	TRITIUM	20	2.12	pCi/mL		J	0.437	1.18	SIG;9
HAA 15C	2/23/2022	TRITIUM	20	2.04	pCi/mL		J	0.433	1.16	SIG;9
HAA020D	9/19/2022	TRITIUM	20	2.04	pCi/mL			0.445	1.19	SIG
HAA021D	2/16/2022	TRITIUM	20	2.03	pCi/mL		J	0.433	1.14	SIG;9
HAA019D	2/16/2022	TRITIUM	20	1.94	pCi/mL		J	0.456	1.19	SIG;9
HAA 1A	2/16/2022	TRITIUM	20	1.9	pCi/mL		J	0.453	1.18	SIG;9
HAA018D	9/21/2022	TRITIUM	20	1.87	pCi/mL			0.474	1.23	SIG
HAA 12B	2/17/2022	TRITIUM	20	1.82	pCi/mL		J	0.43	1.13	SIG;9
HAA 9C	9/13/2022	TRITIUM	20	1.76	pCi/mL			0.552	1.37	SIG
HAA 9C	2/17/2022	TRITIUM	20	1.74	pCi/mL		J	0.499	1.26	SIG;9
HAA 15C	9/15/2022	TRITIUM	20	1.52	pCi/mL			0.49	1.23	SIG
HAA 8C	2/17/2022	TRITIUM	20	1.23	pCi/mL		J	0.495	1.2	SIG;9
HAA 12B	9/15/2022	TRITIUM	20	1.23	pCi/mL			0.478	1.17	SIG
HAA 13B	2/17/2022	TRITIUM	20	1.22	pCi/mL		J	0.434	1.08	SIG;9
HAA 11B	9/14/2022	TRITIUM	20	1.2	pCi/mL	J	J	0.516	1.24	SIG;21
HAA 9C	9/13/2022	TRITIUM	20	1.18	pCi/mL	J	J	0.532	1.28	SIG;21
HAA 8C	9/13/2022	TRITIUM	20	1.17	pCi/mL			0.464	1.13	SIG
HAA021C	9/19/2022	TRITIUM	20	1.16	pCi/mL			0.437	1.08	SIG
HAA 13C	9/19/2022	TRITIUM	20	1.14	pCi/mL	J	J	0.478	1.16	SIG;21
HAA020C	9/19/2022	TRITIUM	20	1.11	pCi/mL			0.435	1.07	SIG
HAA 1D	9/13/2022	TRITIUM	20	1.08	pCi/mL	J	J	0.467	1.13	SIG;21
HAA 1D	2/16/2022	TRITIUM	20	1.04	pCi/mL	J	J	0.457	1.1	SIG;9;21
HAA 2C	9/13/2022	TRITIUM	20	1.04	pCi/mL	J	J	0.464	1.12	SIG;21
HAA021C	2/16/2022	TRITIUM	20	1.02	pCi/mL	J	J	0.454	1.09	SIG;9;21
HAA 1D	2/16/2022	TRITIUM	20	0.992	pCi/mL	J	J	0.46	1.1	SIG;21
HAA 11B	2/17/2022	TRITIUM	20	0.945	pCi/mL	J	J	0.437	1.06	SIG;21
HAA020C	2/16/2022	TRITIUM	20	0.932	pCi/mL	J	J	0.454	1.09	SIG;21

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

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 11C	9/14/2022	TRITIUM	20	0.907	pCi/mL	J	J	0.522	1.23	SIG;21
HAA 2C	2/16/2022	TRITIUM	20	0.85	pCi/mL	J	J	0.458	1.08	SIG;21
HAA 11C	2/17/2022	TRITIUM	20	0.829	pCi/mL	J	J	0.5	1.17	SIG;21
HAA 10B	2/17/2022	TRITIUM	20	0.733	pCi/mL	J	J	0.431	1.02	SIG;21
HAA 15B	2/23/2022	TRITIUM	20	0.55	pCi/mL	J	J	0.431	0.999	SIG;21
HAA 4C	9/19/2022	TRITIUM	20	0.52	pCi/mL	J	J	0.474	1.08	SIG;21
HAA 15B	9/15/2022	TRITIUM	20	0.445	pCi/mL	U	U	0.488	1.11	SIG
HAA 1A	9/13/2022	TRITIUM	20	0.436	pCi/mL	U	U	0.47	1.07	SIG
HAA 14C	2/17/2022	TRITIUM	20	0.41	pCi/mL	U	U	0.434	0.988	SIG
HAA 14C	9/19/2022	TRITIUM	20	0.407	pCi/mL		J	376	832	21
HAA 10B	9/14/2022	TRITIUM	20	0.244	pCi/mL	U	U	0.512	1.13	
HAA 9B	2/17/2022	TRITIUM	20	0.205	pCi/mL	U	U	0.497	1.1	
HAA019C	2/16/2022	TRITIUM	20	0.198	pCi/mL	U	U	0.455	1.01	
HAA 8B	9/13/2022	TRITIUM	20	0.164	pCi/mL	J	U	366	802	
HAA 4C	2/16/2022	TRITIUM	20	0.148	pCi/mL	U	U	0.454	0.998	
HAA 10B	2/17/2022	TRITIUM	20	0.125	pCi/mL	U	U	0.441	0.966	
HAA 14C	9/19/2022	TRITIUM	20	0.124	pCi/mL	U	U	0.49	1.07	
HAA019C	9/19/2022	TRITIUM	20	0.104	pCi/mL	U	U	0.479	1.04	
HAA 14B	9/19/2022	TRITIUM	20	0.0737	pCi/mL	U	U	0.436	0.948	
HAA 1C	2/16/2022	TRITIUM	20	0.045	pCi/mL	U	U	0.46	0.998	
HAA 10B	9/14/2022	TRITIUM	20	0.0402	pCi/mL	U	U	0.513	1.11	
HAA017C	9/15/2022	TRITIUM	20	0.0222	pCi/mL	U	U	0.495	1.07	
HAA018C	2/17/2022	TRITIUM	20	0.0154	pCi/mL	U	U	0.429	0.924	
HAA 7C	2/17/2022	TRITIUM	20	0.00522	pCi/mL	U	U	0.501	1.08	
HAA018C	9/21/2022	TRITIUM	20	-0.0322	pCi/mL	U	U	0.479	1.03	
HAA 2B	2/16/2022	TRITIUM	20	-0.0328	pCi/mL	U	U	0.454	0.975	
HAA 1C	9/13/2022	TRITIUM	20	-0.0342	pCi/mL	U	U	0.459	0.984	
HAA 7C	2/17/2022	TRITIUM	20	-0.04	pCi/mL	U	U	0.501	1.08	
HAA 2B	9/13/2022	TRITIUM	20	-0.0467	pCi/mL	U	U	0.464	0.994	
HAA 7C	9/13/2022	TRITIUM	20	-0.0595	pCi/mL	U	U	0.47	1	
HAA 8B	2/17/2022	TRITIUM	20	-0.0806	pCi/mL	U	U	0.495	1.06	
HAA018C	9/21/2022	TRITIUM	20	-0.0866	pCi/mL	U	U	0.483	1.03	
HAA018C	2/17/2022	TRITIUM	20	-0.0936	pCi/mL	U	UJ	0.5	1.07	9
HAA017C	9/15/2022	TRITIUM	20	-0.0968	pCi/mL	U	U	0.508	1.08	
HAA 7B	2/17/2022	TRITIUM	20	-0.107	pCi/mL	U	U	0.499	1.07	
HAA017C	2/17/2022	TRITIUM	20	-0.111	pCi/mL	U	U	0.5	1.07	
HAA 14B	2/17/2022	TRITIUM	20	-0.164	pCi/mL	U	U	0.496	1.05	
HAA 7B	9/13/2022	TRITIUM	20	-0.169	pCi/mL	U	U	0.458	0.966	
HAA 8B	9/13/2022	TRITIUM	20	-0.242	pCi/mL	U	U	0.471	0.982	
HAA 9B	9/13/2022	TRITIUM	20	-0.357	pCi/mL	U	U	0.519	1.08	
HAA 14C	2/17/2022	TRITIUM	20	-366	pCi/L	U	U		833	V
HAA 8B	2/17/2022	TRITIUM	20	-681	pCi/L	U	U		819	V
HAA020D	2/16/2022	TURBIDITY	NA	32.1	NTU					
HAA018D	2/17/2022	TURBIDITY	NA	27.4	NTU					
HAA020D	9/19/2022	TURBIDITY	NA	18.7	NTU					
HAA 13D	2/17/2022	TURBIDITY	NA	18	NTU					
HAA 11B	2/17/2022	TURBIDITY	NA	17.5	NTU					
HAA019D	9/19/2022	TURBIDITY	NA	15	NTU					
HAA 1D	2/16/2022	TURBIDITY	NA	14.9	NTU					
HAA 11B	9/14/2022	TURBIDITY	NA	14.5	NTU					
HAA021D	2/16/2022	TURBIDITY	NA	14.1	NTU					
HAA 12B	9/15/2022	TURBIDITY	NA	12.4	NTU					
HAA019D	2/16/2022	TURBIDITY	NA	12	NTU					
HAA 2D	2/16/2022	TURBIDITY	NA	6.4	NTU					
HAA018D	9/21/2022	TURBIDITY	NA	5.9	NTU					
HAA 1D	9/13/2022	TURBIDITY	NA	5.6	NTU					
HAA 12B	2/17/2022	TURBIDITY	NA	5.2	NTU					
HAA 14D	2/17/2022	TURBIDITY	NA	4.9	NTU					
HAA017D	9/15/2022	TURBIDITY	NA	4.5	NTU					
HAA 11D	2/17/2022	TURBIDITY	NA	3.9	NTU					
HAA017C	9/15/2022	TURBIDITY	NA	3.5	NTU					
HAA 10D	9/14/2022	TURBIDITY	NA	3.4	NTU					
HAA 11D	9/14/2022	TURBIDITY	NA	3.2	NTU					
HAA 13D	9/19/2022	TURBIDITY	NA	3.1	NTU					
HAA020C	2/16/2022	TURBIDITY	NA	2.7	NTU					
HAA 13C	2/17/2022	TURBIDITY	NA	2.5	NTU					
HAA 4B	2/16/2022	TURBIDITY	NA	2.2	NTU					
HAA 10B	9/14/2022	TURBIDITY	NA	2.2	NTU					
HAA 14B	9/19/2022	TURBIDITY	NA	2.2	NTU					
HAA 2C	9/13/2022	TURBIDITY	NA	2.1	NTU					
HAA 13C	9/19/2022	TURBIDITY	NA	2.1	NTU					
HAA 14D	9/19/2022	TURBIDITY	NA	2	NTU					
HAA 13B	9/19/2022	TURBIDITY	NA	1.9	NTU					
HAA 8D	9/13/2022	TURBIDITY	NA	1.8	NTU					
HAA 8C	9/13/2022	TURBIDITY	NA	1.7	NTU					
HAA 7C	9/13/2022	TURBIDITY	NA	1.6	NTU					
HAA 9C	2/17/2022	TURBIDITY	NA	1.6	NTU					
HAA 9D	9/13/2022	TURBIDITY	NA	1.6	NTU					

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WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 4B	9/19/2022	TURBIDITY	NA	1.5	NTU					
HAA 4C	2/16/2022	TURBIDITY	NA	1.5	NTU					
HAA 9C	9/13/2022	TURBIDITY	NA	1.5	NTU					
HAA017C	2/17/2022	TURBIDITY	NA	1.5	NTU					
HAA 2D	9/13/2022	TURBIDITY	NA	1.4	NTU					
HAA 4D	2/16/2022	TURBIDITY	NA	1.4	NTU					
HAA 8B	9/13/2022	TURBIDITY	NA	1.4	NTU					
HAA 10D	2/17/2022	TURBIDITY	NA	1.4	NTU					
HAA 10C	9/14/2022	TURBIDITY	NA	1.3	NTU					
HAA019C	9/19/2022	TURBIDITY	NA	1.3	NTU					
HAA021D	9/19/2022	TURBIDITY	NA	1.3	NTU					
HAA 2B	9/13/2022	TURBIDITY	NA	1.1	NTU					
HAA 10B	2/17/2022	TURBIDITY	NA	1.1	NTU					
HAA 11C	9/14/2022	TURBIDITY	NA	1.1	NTU					
HAA 1C	9/13/2022	TURBIDITY	NA	1	NTU					
HAA 2B	2/16/2022	TURBIDITY	NA	1	NTU					
HAA 14C	9/19/2022	TURBIDITY	NA	1	NTU					
HAA 7C	2/17/2022	TURBIDITY	NA	0.9	NTU					
HAA 9B	9/13/2022	TURBIDITY	NA	0.9	NTU					
HAA017D	2/17/2022	TURBIDITY	NA	0.9	NTU					
HAA020C	9/19/2022	TURBIDITY	NA	0.9	NTU					
HAA 4D	9/19/2022	TURBIDITY	NA	0.8	NTU					
HAA 7D	9/13/2022	TURBIDITY	NA	0.8	NTU					
HAA 9D	2/17/2022	TURBIDITY	NA	0.8	NTU					
HAA 15D	9/15/2022	TURBIDITY	NA	0.8	NTU					
HAA021C	2/16/2022	TURBIDITY	NA	0.8	NTU					
HAA021C	9/19/2022	TURBIDITY	NA	0.8	NTU					
HAA 1A	2/16/2022	TURBIDITY	NA	0.7	NTU					
HAA 1C	2/16/2022	TURBIDITY	NA	0.7	NTU					
HAA 12C	9/15/2022	TURBIDITY	NA	0.7	NTU					
HAA 15B	9/15/2022	TURBIDITY	NA	0.7	NTU					
HAA018C	9/21/2022	TURBIDITY	NA	0.7	NTU					
HAA019C	2/16/2022	TURBIDITY	NA	0.7	NTU					
HAA 7B	9/13/2022	TURBIDITY	NA	0.6	NTU					
HAA 8D	2/17/2022	TURBIDITY	NA	0.6	NTU					
HAA 9B	2/17/2022	TURBIDITY	NA	0.6	NTU					
HAA 12C	2/17/2022	TURBIDITY	NA	0.6	NTU					
HAA 13B	2/17/2022	TURBIDITY	NA	0.6	NTU					
HAA 15C	9/15/2022	TURBIDITY	NA	0.6	NTU					
HAA018C	2/17/2022	TURBIDITY	NA	0.6	NTU					
HAA 4C	9/19/2022	TURBIDITY	NA	0.5	NTU					
HAA 10C	2/17/2022	TURBIDITY	NA	0.5	NTU					
HAA 11C	2/17/2022	TURBIDITY	NA	0.5	NTU					
HAA 12D	9/15/2022	TURBIDITY	NA	0.5	NTU					
HAA 15C	2/23/2022	TURBIDITY	NA	0.5	NTU					
HAA 2C	2/16/2022	TURBIDITY	NA	0.4	NTU					
HAA 7B	2/17/2022	TURBIDITY	NA	0.4	NTU					
HAA 8B	2/17/2022	TURBIDITY	NA	0.4	NTU					
HAA 12D	2/17/2022	TURBIDITY	NA	0.4	NTU					
HAA 15B	2/23/2022	TURBIDITY	NA	0.4	NTU					
HAA 15D	2/23/2022	TURBIDITY	NA	0.4	NTU					
HAA 1A	9/13/2022	TURBIDITY	NA	0.3	NTU					
HAA 14B	2/17/2022	TURBIDITY	NA	0.3	NTU					
HAA 14C	2/17/2022	TURBIDITY	NA	0.3	NTU					
HAA 7D	2/17/2022	TURBIDITY	NA	0.2	NTU					
HAA 8C	2/17/2022	TURBIDITY	NA	0.2	NTU					
HAA 2D	9/13/2022	Water Elevation	NA	273.4	ft amsl					
HAA 2D	2/16/2022	Water Elevation	NA	273.22	ft amsl					
HTF 3	2/23/2022	Water Elevation	NA	272.7	ft amsl					
HTF 2	2/23/2022	Water Elevation	NA	271.92	ft amsl					
HTF 3	9/14/2022	Water Elevation	NA	271.92	ft amsl					
HAA 15D	2/23/2022	Water Elevation	NA	271.71	ft amsl					
HTF 4	2/23/2022	Water Elevation	NA	271.6	ft amsl					
HTF 2	9/14/2022	Water Elevation	NA	270.98	ft amsl					
HTF 4	9/14/2022	Water Elevation	NA	270.93	ft amsl					
HTF 1	2/23/2022	Water Elevation	NA	270.88	ft amsl					
HAA 7D	9/13/2022	Water Elevation	NA	270.71	ft amsl					
HAA 1D	2/16/2022	Water Elevation	NA	270.6	ft amsl					
HAA021D	2/16/2022	Water Elevation	NA	269.84	ft amsl					
HAA 15D	9/15/2022	Water Elevation	NA	269.83	ft amsl					
HTF 1	9/14/2022	Water Elevation	NA	269.82	ft amsl					
HAA 7D	2/17/2022	Water Elevation	NA	269.81	ft amsl					
HAA020D	2/16/2022	Water Elevation	NA	269.68	ft amsl					
HAA021D	9/19/2022	Water Elevation	NA	269.34	ft amsl					
HAA017D	2/17/2022	Water Elevation	NA	269.24	ft amsl					
HAA020D	9/19/2022	Water Elevation	NA	269.12	ft amsl					
HAA017D	9/15/2022	Water Elevation	NA	269.07	ft amsl					
HAA 4D	2/16/2022	Water Elevation	NA	269	ft amsl					

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a Regional Screening Level b Preliminary Remediation Goal

WELL NAME	COLLECTION DATE	ANALYTE	MCL	RESULT	UNITS	LAB QUALIFIER	REVIEW QUALIFIER	DETECTION LIMIT (MDL)	QUANTITATION LIMIT (SQL)	QUALIFICATION CODE
HAA 1D	9/13/2022	Water Elevation	NA	268.66	ft amsl					
HAA 14D	2/17/2022	Water Elevation	NA	268.33	ft amsl					
HAA018D	2/17/2022	Water Elevation	NA	267.72	ft amsl					
HAA 10D	2/17/2022	Water Elevation	NA	267.72	ft amsl					
HAA 4D	9/19/2022	Water Elevation	NA	267.68	ft amsl					
HAA 13D	2/17/2022	Water Elevation	NA	267.66	ft amsl					
HAA 8D	2/17/2022	Water Elevation	NA	267.39	ft amsl					
HAA019D	2/16/2022	Water Elevation	NA	267.31	ft amsl					
HAA 12D	2/17/2022	Water Elevation	NA	267.25	ft amsl					
HAA 14D	9/19/2022	Water Elevation	NA	267.19	ft amsl					
HAA 11D	9/14/2022	Water Elevation	NA	267.09	ft amsl					
HAA 13D	9/19/2022	Water Elevation	NA	266.62	ft amsl					
HC 1D	2/23/2022	Water Elevation	NA	266.58	ft amsl					
HAA018D	9/21/2022	Water Elevation	NA	266.43	ft amsl					
HAA 8D	9/13/2022	Water Elevation	NA	266.29	ft amsl					
HAA 12D	9/15/2022	Water Elevation	NA	266.1	ft amsl					
HAA 10D	9/14/2022	Water Elevation	NA	266.02	ft amsl					
HAA019D	9/19/2022	Water Elevation	NA	265.88	ft amsl					
HC 1D	9/14/2022	Water Elevation	NA	265.49	ft amsl					
HAA 11D	2/17/2022	Water Elevation	NA	265.22	ft amsl					
HAA 9D	2/17/2022	Water Elevation	NA	261.96	ft amsl					
HAA 9D	9/13/2022	Water Elevation	NA	260.46	ft amsl					
HAA021C	2/16/2022	Water Elevation	NA	253.17	ft amsl					
HAA 10C	2/17/2022	Water Elevation	NA	253.07	ft amsl					
HAA 7C	9/13/2022	Water Elevation	NA	252.33	ft amsl					
HAA021C	9/19/2022	Water Elevation	NA	252.01	ft amsl					
HAA 7C	2/17/2022	Water Elevation	NA	251.88	ft amsl					
HAA 2C	9/13/2022	Water Elevation	NA	251.7	ft amsl					
HAA020C	2/16/2022	Water Elevation	NA	251.48	ft amsl					
HAA020C	9/19/2022	Water Elevation	NA	251.21	ft amsl					
HAA 10B	2/17/2022	Water Elevation	NA	251.2	ft amsl					
HAA 10C	9/14/2022	Water Elevation	NA	251.07	ft amsl					
HAA 2C	2/16/2022	Water Elevation	NA	250.98	ft amsl					
HAA 1C	9/13/2022	Water Elevation	NA	250.44	ft amsl					
HAA 7B	9/13/2022	Water Elevation	NA	250.44	ft amsl					
HAA 2B	9/13/2022	Water Elevation	NA	250.2	ft amsl					
HAA 10B	9/14/2022	Water Elevation	NA	250.1	ft amsl					
HAA 1C	2/16/2022	Water Elevation	NA	250	ft amsl					
HAA 7B	2/17/2022	Water Elevation	NA	249.88	ft amsl					
HAA 8C	2/17/2022	Water Elevation	NA	249.85	ft amsl					
HAA 9C	2/17/2022	Water Elevation	NA	249.73	ft amsl					
HAA 2B	2/16/2022	Water Elevation	NA	249.48	ft amsl					
HAA 11B	9/14/2022	Water Elevation	NA	249.44	ft amsl					
HAA 11B	2/17/2022	Water Elevation	NA	249.36	ft amsl					
HAA 4C	2/16/2022	Water Elevation	NA	249.2	ft amsl					
HAA 8B	2/17/2022	Water Elevation	NA	249.19	ft amsl					
HAA 11C	9/14/2022	Water Elevation	NA	248.86	ft amsl					
HAA 8C	9/13/2022	Water Elevation	NA	248.85	ft amsl					
HAA 9C	9/13/2022	Water Elevation	NA	248.83	ft amsl					
HAA 11C	2/17/2022	Water Elevation	NA	248.66	ft amsl					
HAA 12B	2/17/2022	Water Elevation	NA	248.62	ft amsl					
HAA 4B	2/16/2022	Water Elevation	NA	248.6	ft amsl					
HAA 9B	2/17/2022	Water Elevation	NA	248.38	ft amsl					
HAA 12C	2/17/2022	Water Elevation	NA	248.36	ft amsl					
HAA 8B	9/13/2022	Water Elevation	NA	248.15	ft amsl					
HAA 4C	9/19/2022	Water Elevation	NA	248.1	ft amsl					
HAA 9B	9/13/2022	Water Elevation	NA	247.68	ft amsl					
HAA 12B	9/15/2022	Water Elevation	NA	247.64	ft amsl					
HAA 4B	9/19/2022	Water Elevation	NA	247.56	ft amsl					
HAA 13B	2/17/2022	Water Elevation	NA	247.49	ft amsl					
HAA 13C	2/17/2022	Water Elevation	NA	247.48	ft amsl					
HAA 12C	9/15/2022	Water Elevation	NA	247.41	ft amsl					
HAA 15C	2/23/2022	Water Elevation	NA	247.29	ft amsl					
HAA 15B	2/23/2022	Water Elevation	NA	246.64	ft amsl					
HAA 13C	9/19/2022	Water Elevation	NA	246.34	ft amsl					
HAA 14C	2/17/2022	Water Elevation	NA	246.04	ft amsl					
HAA 15C	9/15/2022	Water Elevation	NA	246.03	ft amsl					
HAA 14B	2/17/2022	Water Elevation	NA	245.89	ft amsl					
HAA 15B	9/15/2022	Water Elevation	NA	245.74	ft amsl					
HAA 13B	9/19/2022	Water Elevation	NA	245.7	ft amsl					
HAA 14C	9/19/2022	Water Elevation	NA	245.18	ft amsl					
HAA 14B	9/19/2022	Water Elevation	NA	244.73	ft amsl					
HAA017C	2/17/2022	Water Elevation	NA	244.18	ft amsl					
HAA017C	9/15/2022	Water Elevation	NA	244.12	ft amsl					
HAA018C	2/17/2022	Water Elevation	NA	241.24	ft amsl					
HAA018C	9/21/2022	Water Elevation	NA	239.86	ft amsl					
HAA019C	2/16/2022	Water Elevation	NA	236.57	ft amsl					
HAA019C	9/19/2022	Water Elevation	NA	235.4	ft amsl					

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HAA 1A	2/16/2022	Water Elevation	NA	180.2	ft amsl					
HAA 1A	9/13/2022	Water Elevation	NA	179.24	ft amsl					

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