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March 31, 2022

Ms. Jasmin Jefferies Remedial Project Manager Superfund Remedial and Technical Services Branch U.S. Environmental Protection Agency, Region 4 Atlanta Federal Center 61 Forsyth Street Atlanta, Georgia 30303-8960

Subject: 2021 Annual Report OU-1 and OU-2 Agrico Site Pensacola, Florida EPA ID: FLD 98022 1857

Dear Ms. Jefferies:

AECOM, on behalf of Phillips 66, successor to ConocoPhillips, and Williams Companies, Inc. representing Agrico Chemical Company, is submitting this 2021 Annual Report for the Agrico site in Pensacola, Florida. This report presents the results of monitoring and maintenance activities conducted during 2021 for the site.

A hard copy of the report will be sent directly to the site document repository, the West Florida Regional Library, Genealogy Branch in Pensacola.

AECOM will be uploading the electronic data for 2021 to the EPA DART system as per the guidance memorandum from EPA Region 4's Superfund Division Director, requiring that environmental sampling data be submitted to EPA in a Region 4 electronic format.

Should you have any questions or require additional information regarding this report, please contact me at (850) 637-5018. You may also contact Mr. Chris McGowan (Phillips 66) at (337) 491.5292 or Mr. Lee Andrews (Agrico Chemical Company Representative) at (918) 573-6912 with any questions you have about the project or site.

Sincerely,

any K Muy

Amy R. Mixon, P.E. Project Manager

FINAL

# 2021 ANNUAL REPORT

# AGRICO SITE PENSACOLA, FLORIDA OPERABLE UNITS ONE (OU-1) AND TWO (OU-2)

EPA ID: FLD 980221857

Submitted to

US Environmental Protection Agency, Region 4 Atlanta, Georgia

Prepared for

Phillips 66 Ponca City, Oklahoma and Williams, Inc. On behalf of Agrico Chemical Company Tulsa, Oklahoma

March 31, 2022

# AECOM

AECOM 1625 Summit Lake Drive Tallahassee, Florida 32317 850-688-9941

# Certification By Florida Registered Professional Engineer

In accordance with Chapter 492, Florida Statutes, the 2021 Annual Report for the Agrico Chemical Site, Operable Unit One (OU-1) and Operable Unit Two (OU-2) located in Pensacola, Florida has been prepared by or supervised by the undersigned registered Florida Professional Engineer. AECOM Technical Services, Inc., (AECOM) has prepared this Annual Report in a manner consistent with sound engineering practices and the customary level of care and skill exercised by members of the profession currently practicing in the same locality under similar circumstances.

Information developed and presented by others was used by AECOM in good faith as representative of the site conditions. The work performed by AECOM is in conformance with the current standards of practice.

Amy R. Mixon, PE Florida Professional Engineer License No. 63774 Expiration Date 02/28/2023

This report has been electronically signed and sealed by Amy R. Mixon on 03/31/2022. Printed copies of this document are not considered signed and sealed.

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The activities being conducted for the Agrico Site in Pensacola, Florida are under the oversight of the U.S. Environmental Protection Agency (EPA), as outlined by the Consent Decrees (1994 and 1997) and the EPA Records of Decision (RODs) (1992 and 1994). The Site has been divided into two operable units (OUs). The first operable unit (OU-1) addressed the cleanup of on-site source material. The second operable unit (OU-2) addressed groundwater under the Site and downgradient of the Site. In 1995, remedial actions began for OU-1. Impacted soils and all sludge materials were collected and treated by solidification/stabilization. Additional fluoride-impacted soils were excavated. These soils, as well as the treated soils and sludge, were stabilized by placing them into an engineered, excavated, unlined area above the water-table and covering them with a multi-layered cap designed to prevent rainfall infiltration from contacting the materials. By keeping the underlying soil dry, the soils remain stabilized. The OU-1 remedial actions were certified complete by EPA in April 1997. With the source area controlled, EPA addressed OU-2, the groundwater, by selecting a monitored natural attenuation (MNA) remedy. The selected remedy involves actions aimed at limiting exposure while natural attenuation processes remediate the groundwater.

After extensive sampling of many constituents during the assessment phase (1990-1993), a risk evaluation was performed. The EPA selected seven constituents of concern (COCs) for initial long-term groundwater and surface water monitoring. For OU-1, these COCs included lead, arsenic, and fluoride. These were soil COCs and since the soils were stabilized on-site, monitoring of these constituents in the groundwater provided for assessing the integrity of the OU-1 remedy over time. For OU-2, these constituents include arsenic, fluoride, combined radium 226 plus radium 228, chloride, sulfate, and nitrate plus nitrite. The groundwater performance standards established by each of the RODs for OU-1 and OU-2 are as follows:

- Total Lead 0.015 milligrams per liter (mg/L)
- Total Arsenic 0.050 mg/L
- Fluoride 4.0 mg/L
- Radium 226 +228 5.0 pico Curies per liter (pCi/L)
- Chloride 250 mg/L
- Sulfate 250 mg/L
- Nitrate + nitrite 10 mg/L (analysis of nitrite indicates results at all groundwater monitoring locations are less than detection limit and a higher performance standard is appropriate; nitrite analysis discontinued as per EPA approval, January 22, 2007).

In January 2005, FDEP changed their arsenic drinking water standard to 0.010 mg/L. EPA also revised the federal drinking water standard for arsenic to 0.010 mg/L effective January 23, 2006. As a result, the performance standard for arsenic for the Site was also revised in 2005 to 0.010 mg/L to be compliant with the new state and federal standards.

Beginning in November 2005, changes were approved for the long-term monitoring network. In 2005, an upgradient groundwater monitoring well (PIP-D) was added to the network. In 2007, the OU-1 monitoring well network was merged with the OU-2 monitoring network to form the long-term site-wide network. Initially all constituents were monitored in the OU-1 wells. In 2007, nitrite was eliminated as a constituent since it was determined that the nitrogen detected was only nitrate. Also, in 2007, surficial zone monitoring wells AC-5S, AC-24S, AC-26S, NWD-2S, and

NWD-4S were changed from long-term monitoring to periodic monitoring. In 2009, periodic monitoring wells, AC-9D2, AC-24D, and AC-28D were changed to annual sampling locations. In 2010, arsenic and lead were discontinued from the list of analytes for the long-term network including monitoring wells located in OU-1. Per the EPA-approved (February 5, 2010) recommendation from the *Evaluation of Monitored Natural Attenuation in Groundwater Report* (August 19, 2009), arsenic was deleted from the list of analytes for the long-term monitoring well network except at AC-2S and AC-3S. In 2010, the surface water long-term monitoring network changes included the deletion of the upstream monitoring of Carpenter's Creek (ACSW-BL). Other changes for 2010 included three additional monitoring stations in Bayou Texar. These stations included near-bottom surface water sampling for fluoride only.

During 2019, monitoring wells AC- 14D, AC- 26S, AC- 26D, and AC- 36D were recommended for removal from the long-term monitoring well network because they had been destroyed by the City of Pensacola stormwater upgrade projects. EPA agreed with the recommendation to remove all four wells from the monitoring well network, but EPA stipulated that if wells upgradient of these former well locations begin to show significant groundwater COC concentration increases, replacement wells would be required. Replacement of AC- 14D, AC- 26S, AC- 26D, and AC- 36D will be considered pending future groundwater quality data and trends in surrounding monitoring wells.

For 2021, the sampling program was implemented in accordance with the Florida Department of Environmental Protection (FDEP) Memorandum dated March 10, 2015, and approved by EPA on May 29, 2015, that included the following:

- 1. At a minimum, annual groundwater monitoring will continue for the following wells: ACB-31S, AC-2S, AC-2D, AC-3D, AC-29D, AC-24D, AC-25D, AC-35D, AC-12D, and AC-13D for the existing set of parameters. Groundwater elevations shall continue to be measured in all Agrico monitoring wells prior to initiating sampling.
- 2. At a minimum, annual surface water monitoring should continue for the following locations: BT-02, BT-107, and BT-127 for fluoride only. A map showing the location of the surface water stations relative to the plume should be included.
- 3. The full plume network and surface water network should be sampled every 5 years to correspond with the Five-Year Review. The full network with few exceptions was sampled in November 2019. The next comprehensive event is scheduled for November 2024.
- 4. Trend Plots for each contaminant of concern shall continue to be updated for each sampling event for the wells sampled.
- 5. Other annual activities should continue as in previous years for the Agency Coordination Memorandum, the Florida Department of Transportation (FDOT) inquiry for intrusive activity, the Advisory Notice to Water Well Contractors/Irrigation System Installers/Pool Contractors, and a check of the Northwest Florida Water Management District (NWFWMD) construction permits for new wells within the Delineated Area.
- 6. Site and cap integrity inspections shall continue semiannually and after major storm events.

The Site is currently in the long-term Operations and Maintenance (O&M) phase, with MNA as the selected groundwater remedy.

This 2021 Annual Report presents the results of groundwater activities conducted for the annual sampling program. The 2021 maintenance tasks were as follows:

- Annual groundwater sampling for the defined COCs (fluoride, radium 226, radium 228, chloride, sulfate, and nitrate) from 10 groundwater monitoring wells. Data collected during the annual sampling events are used to evaluate the effectiveness of the MNA remedy for groundwater.
- Annual surface water sampling in Bayou Texar from three locations for fluoride. This sampling is to assess the surface water quality for potential effects from the groundwater discharge.
- Distribution of annual advisory notices to water well contractors, irrigation system installers, and pool contractors to inform these contractors of the area where groundwater impacts related to the Agrico plume are located. The annual advisory also informs them of the well construction moratorium in effect by the NWFWMD.
- Review of the NWFWMD well construction permit records to confirm that no wells have been inadvertently installed within the OU-2 moratorium area. Because of the existing well construction moratorium, the expectation is that no new wells will be permitted in this area.
- Activities related to coordination and dissemination of site information to local, regional, and state agencies.
- Site inspection reporting and site maintenance activity. In addition to the routine site upkeep, Site maintenance activities for 2021 included repairs to fencing near the front gate that had apparently been damaged by a vehicle and a hole near the unused gate in the vicinity of Uncle Bob's Self Storage that may have been created by a trespasser, repairs of two areas of erosion adjacent to two of the Site storm water drains, and placement of new information signs at all three gates.

# OPERABLE UNIT ONE REMEDY

The OU-1 remedy addressed the cleanup of the source on-site. EPA approved the source remedy in the 1992 OU-1 ROD, and it included excavation, solidification, and stabilization for on-site soils and sludge. Following the ROD issuance, actions by Conoco were initiated to re-acquire ownership of the property so that the OU-1 remedy could be implemented.

In 1995, remedial construction activities began. Lead and arsenic-impacted soils and all sludge materials were collected and treated by solidification/stabilization using cement. Other fluoride-impacted soils were collected for consolidation. These consolidated soils and treated soils and sludge were installed in lifts and compacted in the excavation based on engineering designs and standards. The material was placed approximately 20 feet above the saturated groundwater level within the unsaturated, dry portion of the soils underlying the Site. The source control was certified by EPA to be complete in April 1997.

# **OPERABLE UNIT TWO REMEDY**

The remedy chosen by EPA for the impacted groundwater associated with the Agrico Site is MNA. The 2021 results indicate that the Agrico plume continues to be adequately defined. The 2021 sampling results compare favorably to past sampling results, which indicate that the source area remains controlled. The decreasing and stable trends in the surficial and main producing zones are a result of the OU-1 source control measures which have allowed natural attenuation processes to be effective downgradient. The source area remedy remains an effective measure in eliminating migration of COCs from the OU-1 area to the groundwater.

#### Monitored Natural Attenuation Results

An evaluation of MNA at the Site was performed by William A. Huber, Ph.D., Quantitative Decisions (Rosemont, Pennsylvania) in 2009. Dr. Huber concluded in his report that the data show that mechanisms for attenuation are in place throughout the OU-2 area. These mechanisms and the OU-1 source remedy are resulting in decreasing concentrations that are propagating downgradient toward Bayou Texar. For the plume area, the highest concentrations for each constituent are declining and downgradient peaks are less than historical highs. Some limited increases are periodically observed in a few wells, but these concentrations are less than the historical highs. Huber's statistical evaluation estimated that much of the groundwater will reach the target concentrations within two to three decades (~ 2030). However, attenuation in the discharge area near Bayou Texar may take longer. The processes at the discharge boundary are more complex and do not follow the upgradient timeline. Additionally, radium declines may lag behind the other constituents and are more dependent on increases in pH as the overall chemical conditions improve upgradient. Initial fate and transport modeling performed for the Site in the early 1990s suggested targets would not be reached for at least 70 years. About 24 years (2021-1997) have passed since the source controls were implemented. Based on Huber's 2009 statistical evaluation, achieving the targets within the approximately 50 years remaining in the originally estimated timeframe (~ 2070) is still reasonable.

The statistical uncertainty for the Agrico data set is low. Data are consistent within each well and show relatively little random variability. This consistency indicates that allowed enough time, attenuation will eventually occur everywhere within the OU-2 area.

#### Groundwater Sampling Results

Groundwater results for November 2021 continue to compare favorably to past results.

Concentration trends within the surficial shallow zone are mostly stable/decreasing. Impacts to the surficial zone are very limited. This is a direct result of effective source control and local hydrogeologic conditions.

For the deeper main producing zone, the trend in concentrations is generally downward and stable, also indicating continued plume stability.

Slight upward or downward ticks in the concentrations for the COCs are to be expected over time. It is the long-term trend for each COC that is important.

### Groundwater Levels

During 2021, water levels in both the shallow and deep aquifers near the Site increased on average approximately 4.5 feet as compared to 2020. Rainfall was higher in 2021 versus 2020 and was above average at 88.42 inches in 2021 versus an average annual of 76.49 inches in 2020 (**Figure 7**).

Results of water level measurements collected in November 2021 indicate that groundwater flow remains toward Bayou Texar for both the surficial zone and main producing zone. In 2021, groundwater flow patterns closely followed historical patterns.

### Bayou Texar Sampling Results

The long-term surface water results indicate that groundwater from the Agrico Site is not adversely affecting Bayou Texar. Near-bottom surface water sampling in November 2021 indicated that fluoride concentrations increased slightly from the 2020 value at one location (BT-127); however, concentrations decreased in the other two locations; and all concentrations remain within historical levels and well below the applicable surface water standard (SWS).

The evaluation (URS, September 4, 2009) of the primary discharge area for the Agrico plume in Bayou Texar indicates there is no significant risk from fluoride concentrations to populations of demersal fish or to benthic macroinvertebrate communities that inhabit the reach. Furthermore, results indicate the fluoride solubility in the majority of surface sediments and in all pore waters within the primary discharge area for the Agrico plume is controlled by mineral precipitation reactions. This reaction causes dissolved fluoride concentrations to be buffered in near surface sediment pore water and in surface water in this primary discharge reach of Bayou Texar.

#### NWFWMD Well Construction Moratorium

For 2021, no additional irrigation wells were identified from the NWFWMD well construction permit records. The well construction moratorium initiated in February 2001 is still in effect and has no termination date. In a public meeting held on March 27, 2017, discussions with NWFWMD representatives indicated that they were not inclined to end the well construction moratorium. Well prohibition for the defined area which includes the Agrico groundwater plume area is part of NWFWMD's Rule 40A-3.

#### Advisory Notice

The annual advisory notice was distributed to water well contractors, irrigation system installers, and pool contractors to inform them of the groundwater conditions and the existence of a well construction moratorium within the OU-2 area.

#### Institutional Controls Coordination

A memorandum was distributed on March 15, 2021, to the local, regional, and state agencies listed below, soliciting information for any changes or proposed new regulatory rules or policies that may affect the institutional controls currently in place for the area. No agencies responded with any items that might affect the controls in place. A similar memorandum was also sent out in February 2022, and results from the February 2022 memorandum will be captured in next years' report. The notified agencies included:

FDEP, Tallahassee and Pensacola Emerald Coast Utilities Authority (ECUA) (formerly Escambia County Utilities Authority) NWFWMD City of Pensacola Escambia County Health Department (ECHD) Escambia County Neighborhood and Environmental Services Department FDOT, District Three (Chipley)

### **FIVE-YEAR REVIEWS**

Four Five-Year Reviews have been conducted by EPA for the Agrico Site. The First Five-Year Review occurred in 2000, the Second Five-Year Review occurred in 2004-2005, the Third Five-Year Review occurred in 2010, and the Fourth Five-Year Review occurred in 2015. In 2019, the Fifth Five-Year Review sampling event occurred, and the results were reported in EPA's 2020 Five-Year Review Report. Each of the reports concluded that the remedy at the Site is functioning as intended by the RODs for OU-1 and OU-2 and remains protective of human health and the environment. The O&M activities were to be continued and conducted as approved. The next (sixth) Five-Year sampling event will occur in 2024 and will be reported in EPA's 2025 Review Report.

#### **BUTTERFLY HABITAT**

In June 2014, President Obama issued a memorandum establishing a Pollinator Health Task Force, co-chaired by the U.S. Department of Agriculture (USDA) and EPA, to create a National Pollinator Health Strategy that promotes the health of honeybees, butterflies, and other pollinators. Early in 2015, EPA approached AECOM regarding the possibilities of the Agrico Site being used to enhance butterfly habitat. The responsible parties approved participation in this initiative, and in August 2015 a portion of the Site was converted to flowering plant beds. The goal is to establish a plant habitat that will attract butterflies to provide a safe area for feeding and support of the butterfly's life cycle. Maintenance of the habitat was conducted in 2021 and will continue in 2022.

#### RECOMMENDATIONS

(In accordance with Regulatory Agency Requirements)

- Groundwater and surface water sampling will continue for 2022 as last modified by the March 10, 2015, FDEP Memorandum and updated by EPA concurrence of the recommendations included in the 2019 groundwater monitoring report.
- Operations and maintenance, including mowing related to OU-1, will continue in accordance with the OU-1 O&M Plan as amended November 18, 2009 and approved by EPA on January 25, 2010. This also includes maintenance of the butterfly habitat areas.
- The advisory notice to contractors and the query of the NWFWMD well construction permit database will continue annually.
- The Agency Coordination Memo and the FDOT inquiry for intrusive activity will continue annually.

AECOM Technical Services, Inc. (AECOM) has prepared this 2021 Annual Report on behalf of Phillips 66 Company and Agrico Chemical Company represented by Williams Companies, Inc. (Williams) and in accordance with the following:

- U.S. Environmental Protection Agency (EPA) Consent Decree (CD) dated May 4, 1994 and the March 10, 1997 amended Consent Decree for the Agrico Site (Agrico);
- The Record of Decision (ROD) for Operable Unit One (OU-1) issued on September 29, 1992;
- The Operation and Maintenance (O&M) Plan for OU-1 dated September 1996 including Appendix I Groundwater Monitoring Plan by Woodward-Clyde Consultants;
- The ROD for Operable Unit Two (OU-2) issued August 25, 1994;
- The Scope of Work (SOW) which outlines the work to be performed as the remedy for OU-2;
- The EPA-approved (April 26, 1999) Remedial Action Work Plan and related plans;
- The O&M Plan dated November 1998;
- The *Evaluation of Long-Term Groundwater Monitoring Network Section* 12 - *Recommendations*, Technical Memorandum Report dated November 30, 2006 and subsequent EPA approval of recommendations in EPA comment letter dated January 22, 2007;
- The EPA approval dated September 2, 2008 to discontinue OU-1 semi-annual sampling and to perform annual sampling. The last OU-1 semi-annual sampling event was conducted in May 2008;
- Minor O&M recommendations dated November 18, 2009 approved by the EPA on January 25, 2010;
- Recommendations in the report, *Evaluation of Monitored Natural Attenuation in Groundwater* (August 19, 2009- William Huber) and approved by EPA on February 5, 2010;
- EPA's Third Five-Year Review (June 2010) recommendations related to surface water sampling locations for Bayou Texar;
- Recommendations in the second report, *Evaluation of Monitored Natural Attenuation in Groundwater* (October 23, 2013-William Huber);
- FDEP's recommendations in their memorandum outlining a modified annual sampling program issued on March 10, 2015 and approved by EPA on May 29, 2015; and
- Recommendations included in the 2019 Annual Report, Operable Units One (OU-1) and Two (OU-2), Agrico Site, Pensacola, Florida.

This is the twenty-third annual report, since the initial one in 1999. The report documents both OU-1 and OU-2 activities performed at the Site for 2021. The comprehensive annual report was preceded by OU-1 semi-annual sampling results reported annually from 1997-1999. These OU-1 annual reports continued through 2005. The annual report for OU-2 was submitted separately from the OU-1 report from 1999 through 2005. One of the recommendations of the evaluation of the long-term monitoring network (URS, November 30, 2006) was to combine these networks. Beginning with the 2007 Annual Report, the groundwater requirements were integrated so that OU-1

(on-site) and OU-2 (off-site) groundwater impacts could be readily evaluated. Per request by EPA, since November 2007, groundwater from the OU-1 monitoring wells has been analyzed for the same constituents of concern (COCs) as the OU-2 monitoring wells.

EPA approved (September 2, 2008) the integration of the groundwater monitoring requirements for OU-1 and OU-2 so that the monitoring satisfies the original OU-2 monitoring objective - monitoring of the surficial zone and main producing zone, on-site and off-site - downgradient of the Site for the purpose of evaluating the monitored natural attenuation (MNA) remedy. The original monitoring objective for OU-1 was only to evaluate the effectiveness of the Resource Conservation and Recovery Act (RCRA) cap remedy. The effectiveness was demonstrated by a statistical evaluation that confirmed the integrity of the containment system with data collected from 1997 to 2001. Data collected since 2001 continue to confirm cap effectiveness.

#### Summary of Sampling Modifications Initiated in November 2007

- Semi-annual sampling of OU-1 groundwater monitoring wells was discontinued and changed to annual sampling to be conducted in November each year. The OU-1 surficial zone monitoring wells, ACB-31S, ACB-32S, AC-33S, AC-34S, and AC-7SR, were integrated into a site-wide groundwater monitoring network. The analyte list for these wells was changed to include the OU-2 analyte list. In addition to total lead, total arsenic and fluoride (COCs in the OU-1 ROD), the groundwater samples from these wells were analyzed for chloride, sulfate, nitrate, radium 226, and radium 228 (COCs in the OU-2 ROD).
- Nitrite was deleted from the Site's analyte list as modified by implementation of EPA-approved long-term monitoring evaluation recommendations (URS, 2006d).
- Surficial zone monitoring wells AC-5S, AC-24S, AC-26S, NWD-2S, and NWD-4S were changed from long-term to periodic monitoring wells. Additionally, monitoring well NWD-3S was removed from the monitoring network because it was destroyed during off-site construction.
- The groundwater sampling purging procedure was changed from extracting a minimum of three well volumes to a low-flow purge procedure that allows for collecting water quality field parameters after one well volume is purged, and then one-quarter well volume thereafter until three stable water quality parameter readings are collected. This procedure is in accordance with the FDEP standard operating procedure (SOP) for sampling monitoring wells.
- Annual reporting for OU-1 and OU-2 was combined into one annual report. Prior to November 2006, annual reports were prepared separately for OU-1 and OU-2.

#### Summary of Sampling Modifications Initiated in November 2009

• Additional groundwater sampling was requested by the EPA in their comment letter dated October 15, 2009, regarding the *Evaluation of Monitored Natural Attenuation in Groundwater Report*. The additional wells included periodic monitoring wells AC-9D2, AC-24D, and AC-28D. Constituents to be analyzed from the groundwater at these locations were the same as the long-term network constituents. The status of these wells was changed from periodic to long-term until sufficient sampling results were collected on an annual basis.

#### Summary of Sampling Modifications Initiated in November 2010

- Analysis of lead and arsenic were discontinued from the long-term network groundwater analyses for monitoring wells based on the EPA approval (February 5, 2010) of recommendations in the August 19, 2009, *Evaluation of Monitored Natural Attenuation in Groundwater*. In that report, the absence of arsenic and lead in groundwater samples collected from the monitoring well network was reported. The exceptions were AC-2S and AC-3S. Total arsenic will continue to be analyzed for these two wells to verify the continued effectiveness of the OU-1 cap.
- Sampling of Carpenter's Creek at the 9th Avenue Bridge (ACSW-BL) was discontinued as per January 25, 2010 approval of the November 18, 2009, *Recommendations to Operations and Maintenance Plans for OU-1 and OU-2* (URS 2009d).
- Three surface water sampling locations in Bayou Texar were added to the sampling program and include BT-02, BT-107 and BT-127. These near-bottom surface water samples are analyzed for fluoride only (EPA recommendation in June 2010, Third Five-Year Review Report).

#### Summary of Sampling Modifications Initiated in November 2016

Based on FDEP Memorandum dated March 10, 2015 and the subsequent EPA approval dated May 29, 2015:

- Only the following monitoring wells will be sampled annually for the same constituents as have been analyzed historically: AC-31S, AC-2S, AC-2D, AC-3D, AC-29D, AC-24D, AC-25D, AC-35D, AC-12D, and AC-13D.
- Water levels from all Agrico monitoring wells will be measured annually prior to initiating sampling.
- Surface water monitoring will include the following locations: BT-02, BT-107, and BT-127. Only fluoride will be analyzed from each sample collected.
- Trend plots for the above groundwater monitoring wells will be included in each annual report for all constituents.
- The annual Advisory Notice, the Annual Agency Coordination Memo, the Florida Department of Transportation (FDOT) annual inquiry regarding intrusive activity, and the annual checking of the Northwest Florida Water Management District (NWFWMD) records for newly constructed wells within the designated well construction moratorium area will continue as previously documented in the Site O&M plans.
- Site and cap integrity inspections will continue twice a year and after major storm events.
- The full Agrico groundwater monitoring network and surface water network will be sampled every 5 years as part of the EPA's Five-Year Review.

#### Summary of Sampling Modifications Initiated in November 2019

Based on EPA concurrence (EPA memorandum dated June 2, 2020) with recommendations made in the 2019 Annual Report, Operable Units One and Two (OU 1, OU 2), Agrico Site, Pensacola, Florida, March 2020. AC- 14D, AC- 26S, AC- 26D, and AC- 36D have been removed from the

monitoring well network. Evaluation of the need to replace one or more of these wells will be made following future sampling events and will be based on COC concentrations and trends in upgradient wells.

### 1.1 FIVE-YEAR REVIEWS

The EPA has conducted five Five-Year Reviews for the Agrico Site. The results of these reviews were presented in the February 2000, July 2005, June 2010, June 2015, and May 2020 EPA reports. Each of the five reviews concluded that (1) all areas were in compliance and (2) the remedy at the Site is functioning as intended by the RODs for OU-1 and OU-2 and remains protective of human health and the environment. The sixth EPA Five-Year Review report will be prepared in 2025 based on November 2024 data.

### 2.1 SITE DESCRIPTION

The Agrico Site is located at 118 East Fairfield Drive, at the northwest corner of Fairfield Drive and Interstate I-110 in Pensacola, Escambia County, Florida. The Site consists of 29.84 acres in Township 2 South, Range 30 West of Section 5, and the latitude and longitude at the center of this area is 302709.8914 degrees west and 871318.9648 degrees north, respectively. The Site is bordered by I-110 to the east, Fairfield Drive to the south, CSX railroad to the west, and a construction aggregate business (Vulcan Materials/Conrad Yelvington Distribution) to the north. An approximately 100-foot wide Gulf Power Company easement and overhead electrical lines pass through the Site at the eastern boundary of property. Site access is from the north side of Fairfield Drive, approximately 600 feet west of the I-110 overpass. Uncle Bob's Self Storage operates storage warehouses on an Agrico Site out-parcel in the south-central area. The Site location is shown on **Figure 1**.

# 2.2 SITE ACCESS AND DEED RESTRICTIONS

Access to the Agrico Site is restricted. The property is secured by a perimeter chain link security fence with locked gates, and the Site is regularly inspected. Restrictive and Site informational signs are posted advising the public of the on-site conditions, and an AECOM contact phone number is also posted for inquiries. Posted signs are present at the entry gates of the fenced OU-1 property. The wording on the signs is as follows:

Authorized Personnel Only Please Do Not Disturb Soil Cover Impacted Waste Material May Be Present Below the Ground Surface For Information Call 850-637-5018

A Restrictive Covenant (**Appendix C**) for the Site was filed against the property deed with the Escambia County Clerk of the Circuit Court and is dated July 11, 1997. The Restrictive Covenant states, in summary, that construction or related activities that would interfere with maintaining the Site remedial measures are prohibited by the legal deed restrictions. Per the covenant, any use of the property contrary to the ROD is prohibited.

#### 2.3 DOCUMENT REPOSITORY

EPA maintains Site information at the University of West Florida Library. This repository contains project documents, fact sheets, and reference material. EPA encourages the public to review these documents to gain a more thorough understanding of the Site. The address of the library is as follows:

University Archives and West Florida History Center University of West Florida Libraries Building 32 11000 University Pkwy Pensacola, Florida 32514 850-474-2213

EPA has Site information located at the following web site:

https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0400818

A Site website developed for the Agrico Pensacola Site is located at:

http://www.agricopensacola.com/

This website contains general information about the Agrico Site, contains the Site fact sheets, and provides contact information for EPA. A documents' page has been added, and electronic files for several reports have been uploaded to this page. The reports that are now accessible via this website include:

- Evaluation of Monitored Natural Attenuation in Groundwater (URS, 2009)
- The Third Five-Year Review Report (E2 Inc., 2010)
- The 2011 Annual Report (URS, 2012)
- The 2012 Annual Report (URS 2013)
- Evaluation of Monitored Natural Attenuation in Groundwater (Report #2), (URS, October 2013)
- The 2013 Annual Report (URS 2014)
- The 2014 Annual Report (URS 2015)
- The Fourth Five-Year Review Report for Agrico Chemical Company (EPA, June 2015)
- The 2015 Annual Report (AECOM 2016)
- The 2016 Annual Report (AECOM 2017)
- The 2017 Annual Report (AECOM 2018)
- The 2018 Annual Report (AECOM 2019)
- The 2019 Annual Report (AECOM 2020)
- The Fifth Five-Year Review Report for Agrico Chemical Company (EPA, May 2020)
- The 2020 Annual Report (AECOM 2021)

# 2.4 SITE HISTORY

The former facility at the Agrico Site was a superphosphate process facility not a continuous wet-process phosphoric acid facility that became dominant in the phosphoric fertilizer industry starting in the 1960s and 1970s and continuing during the modern era. According to the U.S. Department of Agriculture and Tennessee Valley Authority document titled *Superphosphate: Its History, Chemistry, and Manufacturing* (December 1964), the Irish firm known as W. & H. M. Goulding, Ltd. of Dublin, Ireland, opened the Goulding Fertilizer Company, Pensacola, Florida, factory in 1891 at the current Agrico Site location. The Goulding Fertilizer Company plant had an annual fertilizer production capacity of 45,000 tons. A sulfuric acid manufacturing the fertilizer was transported via rail from Central Florida mines. The Pensacola plant started operations by manufacturing normal superphosphate, and then operated as a concentrated superphosphate plant (the second of its kind in the U.S. at the time) from 1898 to 1901. Operations by the Goulding Fertilizer Company continued until 1911, when the factory was sold to an American interest, The American Agricultural Chemical Company (TAACC).

TAACC manufactured normal superphosphate and continued the manufacturing of sulfuric acid using pyrite ore until 1920, when the source of sulfur dioxide was changed to elemental sulfur. TAACC operated the plant through 1963, when Continental Oil Company (Continental) purchased the assets of TAACC (U.S. Department of Agriculture, 1964).

After the acquisition of TAACC, Continental operated the agrichemical business as the Agrico Chemical Company, a wholly owned subsidiary of Continental. From 1963 to 1972, Agrico Chemical Company used the same manufacturing process as was used during the TAACC period (U.S. Department of Agriculture, 1964). From 1967 to 1968, in addition to producing virgin acid from sulfur, the plant purchased and utilized an unknown volume of spent sulfuric acid (Geraghty & Miller, 1993a and 1993b). Continental operated the plant until 1972.

In April 1972, The Williams Companies, Inc. (Williams) (Tulsa, Oklahoma) purchased the assets associated with Agrico Chemical Company from Continental Oil's Agrico Chemical Division. Under Williams, Agrico Chemical Company operated as a newly formed Delaware corporation and subsidiary of Williams. At that time, Agrico Chemical Company was one of the country's largest chemical fertilizer companies. In 1972, the Pensacola plant began manufacturing monoammonium phosphate in addition to superphosphate and continued this manufacturing from 1972 to 1975. Normal superphosphate was combined with ammonia to produce monoammonium phosphate. The ammonification process produced nitrate. The macronutrient potassium was blended into the ammoniated phosphate product in various blends. The potassium source was potash, mostly potassium chloride, stored on-site, inside the plant, on concrete floors. In later years, two micronutrients, zinc and magnesium, were added to the ammoniated phosphate product blends at the plant. According to the plant manager and Agrico corporate purchasing agent, the macronutrient and micronutrient were purchased as pure products and not as by-products. The peak season for production at the Pensacola plant was March through June. Agrico Chemical Company operated the plant continuously until June 1975, when the plant was shut down (Geraghty & Miller 1993a and 1993b).

The former plant property was sold to Margod, a Florida partnership, and F.A. Baird, Jr. in August 1977. The former plant buildings and process equipment were demolished in late 1979. After demolition, only the concrete foundations remained in place. A storage warehouse was constructed on the southern portion of the property adjacent to Fairfield Drive between 1979 and 1981, with additional warehouse construction taking place between 1981 and 1986. The warehouse area is considered an out parcel of the original property. The Agrico Chemical Company assets were sold to Freeport-McMoRan Resources Partners (Freeport McMoRan) in 1987. The Site property (except for the storage warehouse outparcel) was sold to Conoco, Inc. in 1995.

Most of the remaining Site debris and concrete foundations were later consolidated and placed with the waste material under the RCRA cap during the OU-1 Remedial Action (RA) activities beginning in 1995. There are no permanent buildings from the original operations remaining on the Site. One foundation from an original Site building remains in the southwest portion of the property.

EPA conducted a hazardous waste site investigation at the facility in October 1983. The results of the study indicated that the on-site soils and an on-site surface water impoundment were impacted with elevated levels of fluoride and lead. Groundwater was not sampled during that investigation. However, an effort was made to locate private shallow wells in the vicinity of the Site, and none were located.

The Florida Department of Environmental Regulation (FDER) (now FDEP) conducted a groundwater assessment at the Site in January 1987 (Watts, et.al., July 1988) followed by a supplementary assessment in January and February 1989 (Watts, et.al., August 1989). The study concluded that the Site contaminants, primarily fluoride and sulfate, had impacted the area groundwater. While conducting the assessment for the former Agrico Site, FDER discovered contamination from the

former Escambia Treating Company (ETC) Site that had comingled with a portion of the Agrico plume.

EPA listed the Site on the National Priorities List (NPL) on October 4, 1989. Conoco, Inc. and Freeport McMoRan (parents of the Agrico Chemical Company) entered into an Administrative Order on Consent (AOC) on September 29, 1989. According to the terms of the AOC, the companies agreed to conduct source (soils) and groundwater investigations at the Site. The Site was remediated starting in 1995, and remediation of impacted soils and sludge was certified complete by EPA in April 1997.

Currently, Williams (on behalf of Agrico Chemical Company) and Phillips 66 (representing Conoco, Inc.) are responsible for implementing the activities associated with the O&M Plans for OU-1 and OU-2. In mid-2012, ConocoPhillips separated into two standalone companies. The environmental remediation activities conducted at the Agrico Site in the past by ConocoPhillips are now managed by Phillips 66.

#### 2.5 OPERABLE UNIT ONE REMEDY

**Figure 2** shows a recent aerial photograph of the Site and the current features associated with OU-1 that represents the on-site source of contamination. A ROD for OU-1 issued by EPA Region 4 on September 29, 1992, selected the stabilization and cap remedy to address contamination of on-site soils and sludge. The selected remedy was based on a Site remedial investigation and feasibility study, including human health and environmental risk assessments, and site soil and groundwater characterization. Following the ROD issuance, Conoco initiated actions to re-acquire ownership of the property so that the remedy could be implemented.

In 1995, remedial construction activities began. Lead and arsenic-impacted soils and all sludge materials were collected and treated by solidification/stabilization using cement. Other fluoride-impacted soils were collected for consolidation. These consolidated soils and treated soils and sludge were installed in lifts and compacted in the excavation based on engineering designs and standards. The material was placed approximately 20 feet above the saturated groundwater level within the unsaturated, dry portion of the sediments underlying the Site. The source control was certified complete by EPA in April 1997.

On the surface, the material was covered with a 4-foot thick multi-layered engineered cap designed to prevent rainfall from contacting the underlying stabilized soils. The cap covers an area of 12 acres. The impervious nature of the cap causes storm water runoff volumes to be significantly greater than the volume generated before the construction of the remedy. For this reason, an elaborate system of piping and runoff collection devices was installed at the Site. The storm water collection system significantly minimizes runoff flowing off the Site. Runoff generated on-site is collected and contained on-site by returning it to one of two storm water management impoundments constructed as part of the OU-1 remedial action. Because the north storm water impoundment is located upgradient from the stabilized soils, EPA required that a slurry wall be constructed between the north storm water impoundment and the stabilized containment area. The purpose of the slurry wall is to prevent infiltrating storm water from contacting the stabilized materials that are contained within the unsaturated subsurface containment area. A continuous limonite lens (a thin iron precipitation concretion) underlies the north storm water pond. This dense lens causes standing water for extended periods of time within this pond. The south drainage pond is not underlain by the limonite layer and

storm water readily infiltrates into the subsurface beneath this pond so that the south pond is dry most of the time.

# The following actions were performed as part of the OU-1 remedial action completed in April 1997:

- Excavated and solidified approximately 45,000 cubic yards of arsenic- and lead-impacted soil and contaminated sludge and soils from Site sludge ponds.
- Consolidated approximately 110,000 cubic yards of fluoride-impacted soils.
- Placed rubble from building foundations and consolidated soils in a layered fashion within the excavation area, with the uppermost portion of the excavation filled with solidified/stabilized soils and sludge
- Constructed an engineered 4-feet thick, seven-layer cap, consisting in part of impervious fabric, High Density Polyethylene (HDPE) liner, and geotextile materials, over the stabilized soils within the containment area.
- Constructed a 700-feet long, 2-feet thick slurry wall upgradient of the containment area to prevent infiltrating storm water from contacting consolidated/stabilized soils.
- Installed a drainage collection system so that storm water generated on-site is contained on-site in one of two storm water impoundments, preventing off-site runoff.
- Attached deed restrictions to the property controlling future uses of the property, assuring protection of the containment structure.
- Installed security fencing with locked gates to restrict unauthorized access to the property.
- Constructed five monitoring wells to serve as long-term groundwater sampling locations to evaluate the effectiveness of the implemented OU-1 remedial action. These five monitoring wells were monitored to demonstrate the effectiveness through 2007. After 2007, the wells were integrated and combined with the OU-2 wells to form a site-wide groundwater monitoring network. The purpose of this site-wide network is to demonstrate the effectiveness of the MNA remedy for groundwater.

#### 2.5.1 Operations and Maintenance

Regular activities are conducted for the Site in accordance with the EPA-approved O&M Plan for OU-1 (September 20, 1996).

#### Elements of the O&M for OU-1 are as follows:

- General facility inspection and regular lawn care service for the Site. The grass is cut on at least a monthly basis between October and April and on at least a biweekly basis between May and September.
- Visual inspections of the drain inlet and outlet system are conducted during mowing and after storm events with maintenance initiated, as required.
- Documented O&M inspections of the Site are conducted at a minimum of twice a year and following major storm events.

The inspection reports for 2021 are presented in Appendix D.

### 2.6 OPERABLE UNIT TWO REMEDY

The ROD for OU-2 was issued by EPA Region 4 on August 25, 1994. The OU-2 ROD presents EPA's selected RA for treatment of groundwater. The following discussion is based on the August 1994 ROD and includes the rationale for the selected OU-2 remedy. The OU-2 area is shown on **Figure 3** and was delineated to correspond to the previously completed irrigation well survey area. This area encompasses a larger area than the defined groundwater impact area. The OU-2 area is roughly bound by Palafox Street to the west, E. Cross Street to the south, Fairfield Drive to the north, and Bayou Texar to the east.

The EPA selected MNA as the remedy, and MNA meets all EPA and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) criteria. The remedy is protective of human health and the environment and complies with federal and state requirements that are legally applicable or relevant and appropriate to the RA. This remedy utilizes permanent solutions and alternative treatment (or resource recovery) technologies to the maximum extent practicable. The reduction of toxicity, mobility, and volume of the Site groundwater contamination has occurred through source control (OU-1) and MNA (OU-2).

EPA views the MNA remedy at least as protective of human health and the environment as the pump-and-treat technology alternatives that were previously considered for this Site. Additionally, MNA avoids potentially adverse impacts associated with the groundwater extraction and treatment alternatives.

#### 2.7 ANNUAL O&M TASKS FOR OPERABLE UNITS ONE AND TWO

The field activities associated with this 2021 Annual Report included the following O&M tasks:

- Annual groundwater sampling of 10 long-term groundwater monitoring wells (for both OU-1 and OU-2).
- Annual surface water sampling at three surface water sampling locations within the primary groundwater discharge reach of Bayou Texar.
- Annual advisory notices distributed to water well contractors, irrigation system installers, and pool contractors. This list of contractors was compiled from the NWFWMD list of licensed water well contractors, from Escambia County construction permit records, and from the telephone directory.
- Coordination and dissemination of site information to local, regional, and state agencies.
- Annual FDOT inquiry of construction activities scheduled for Fairfield Drive between the CSX overpass and the I-110 interchange.
- Annual review of NWFWMD well construction permit records to identify any potential new well construction downgradient of the Agrico Site.
- Annual inquiry on status of NWFWMD well construction moratorium in the vicinity of the ETC and Agrico sites.
- Regular maintenance of property associated with the former Agrico Chemical Company (OU-1).

### 2.8 ANNUAL O&M TASKS FOR DEVELOPMENT OF POLLINATOR HABITAT

In June 2014, President Obama issued a memorandum establishing a Pollinator Health Task Force, co-chaired by the U.S. Department of Agriculture (USDA) and EPA, to create a National Pollinator Health Strategy that promotes the health of honeybees, butterflies, and other pollinators. Early in 2015, EPA approached AECOM regarding the possibility using the Agrico Site to enhance butterfly habitat. The responsible parties approved participation in this initiative, and in August 2015 a portion of the site was converted to flowering plant beds. The goal was to establish a plant habitat that will attract butterflies to provide a safe area for feeding and support of the butterfly's life cycle.

O&M activities associated with the pollinator beds includes the following:

- Continued cultivation of plant beds to get established flowering plants
- Continued planting of flowering species to diversify flowering periods and increase the density of plants
- Routine watering and weeding of plant beds to maintain their health.

# 2.9 OTHER CONTAMINATION SOURCES IN THE VICINITY OF THE AGRICO SITE

Past sampling results conducted by ECUA for supply wells south of the Agrico area have indicated impacts to ECUA supply wells, which initiated an assessment by FDEP in the late 1990s. This assessment identified two areas, collectively referred to as Site 348. Both areas are located less than 0.5 miles south of the Agrico Site. One is the former fertilizer manufacturing operation known as Kaiser Fertilizer plant. The second is known as the former Southern Cotton Oil Company. This site was a fertilizer mixing and storage facility.

Reportedly, the sources which may have contributed to impacted groundwater affecting the ECUA wells (F & Scott Streets Well, the East Plant Well, Well No. 6, Well No. 8, and Well No. 9) are still under investigation by FDEP. Three of these ECUA wells have been shut down and pumping discontinued (East Plant, Well No. 8, and Well No. 9) due to groundwater impacts. The COCs identified by FDEP at Site 348 are similar to the Agrico COCs and include radium 228 and ammonia. The Agrico plume was not implicated as a source or a factor in the impacts to these ECUA wells (Mactec, 2010). Additionally, the former Agrico plant was not associated with the either of the operations identified by FDEP that are related to Site 348.

No pumping effects are occurring within the current Agrico plume boundary that will cause the plume to move outside the natural groundwater flow path. This is verified by the past 23 years of water level measurements and potentiometric surfaces that show the natural groundwater flow direction remains consistently to the east, toward Bayou Texar. Consistency of groundwater flow patterns is also demonstrated by the individual water level trend data. The discontinued municipal pumping in the downtown area due to impacts from non-Agrico sources, also significantly decreases the potential of the Agrico plume to migrate from its current plume boundary. These conditions and other groundwater flow conditions negate the potential for future Agrico plume migration that could affect any public water supply well.

Water level measurements collected annually during the past 23 years indicate that the remaining irrigation pumpage occurring within the OU-2 area is not significantly affecting the direction of groundwater flow. The primary groundwater flow controls are natural, including Bayou Texar, which functions as the eastern discharge boundary for the Agrico plume.

### 3.1 HYDROGEOLOGIC FRAMEWORK OF THE SAND-AND-GRAVEL AQUIFER

The vertical profile of the Sand-and-Gravel aquifer consists of beds of sand and gravel interbedded with beds of silt, clay, and fine sand sediments (**Figure 4**). The permeability of these beds is variable, both laterally and vertically. However, the subsurface sequence can be divided into three distinct zones. These zones vary greatly in thickness and lithology throughout Escambia County. In addition, individual beds of sand or clay within these zones are highly discontinuous, resulting in considerable heterogeneity within the zones. The major zones are the surficial zone, the low-permeability zone, and the main producing zone (Roaza, et al., 1991).

### 3.1.1 Surficial Zone

The surficial zone consists of the uppermost layer of sediments. It contains the unsaturated zone and the shallow surficial water table. The surficial zone varies in thickness, but it is generally less than 100 feet thick beneath the OU-2 monitoring area. The surficial zone consists primarily of quartz sand ranging in size from fine sand to gravel. Thin beds of limonite-cemented sandstone also occur. The zone contains thin beds of clay and silt that are highly discontinuous. These low-permeability beds occur both in the unsaturated and the saturated portions of the zone. Groundwater within the surficial zone primarily moves downward through the underlying lower-permeability zone to the main producing zone of the aquifer.

#### 3.1.2 Low-Permeability Zone

The low-permeability zone underlies the surficial zone and is composed of sediments with overall lower permeability characteristics than sediments above or below the zone. This zone forms a semiconfining layer and helps to limit the vertical flow of groundwater between the overlying surficial zone and the underlying main producing zone. The actual lithology of this zone is variable, ranging from poorly sorted sand and silt to sandy clay to clay beds. Locally, well-sorted, water-bearing sands can also occur within this zone. Poor sorting and a higher percentage of clays and silts distinguish this zone from the other zones. The thickness of this zone in the subsurface underlying the facility ranges from about 20 to 50 feet (Roaza, et al., 1993).

The thickness and lithology of this zone is important because of its effect on vertical permeability. The low vertical permeability of this zone maintains the hydraulic head difference between the surficial and main producing zones in certain areas. This head difference imparts the vertical gradient responsible for the transport of dissolved constituents downward from the surficial zone to the main producing zone beneath the OU-1 area of the Site (see **Figures 5** and **6**).

#### 3.1.3 Main Producing Zone

The main producing zone is the most productive portion of the Sand-and-Gravel aquifer and is the zone tapped by most water supply wells. The main producing zone is the deepest portion of the aquifer. The groundwater within this zone exists under semi-confined conditions. The main producing zone consists of moderate to well-sorted sand and gravel, along with minor interbedded layers of sandy clay and clay. Locally and regionally, variations occur in the lithology of the main producing zone. Changes with depth tend to be gradual and include varying grain size distribution and changes in the degree of sorting.

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The clay beds interbedded within this zone generally constitute 10 to 40 percent of the thickness. In some areas, the productive intervals can be correlated and appear to be continuous over many miles. The saturated thickness of the main producing zone near the Site is approximately 100 feet.

The main producing zone is recharged by leakage through the overlying low-permeability zone. The actual amount of recharge is determined by the hydraulic head difference between the surficial zone and the main producing zone, the vertical permeability of the low-permeability zone, and the presence of any pumping wells. Groundwater from this zone discharges into Bayou Texar from the east and the west, and the bayou represents a discharge boundary for groundwater in OU-2.

# 3.2 HYDRAULIC HEAD DIFFERENCES AND GROUNDWATER FLOW BOUNDARIES

Within the former Site boundary (OU-1), the hydraulic head for the surficial zone is slightly higher than the hydraulic head in the main producing zone, which causes the surficial zone to infiltrate and recharge the main producing zone. This causes the plume emanating from the Site to be transported and diverted to the main producing zone within about 0.4 mile of the Site. The surficial zone plume has limited areal extent; and with source control and ongoing source depletion, significant trends toward decreasing concentrations within the plume have occurred in the surficial zone. Near the bayou, the main producing zone hydraulic head is slightly higher than the surficial zone, causing the main producing zone to discharge into the bayou (see **Figures 4, 5,** and **6**). Bayou Texar is a groundwater discharge boundary; therefore, groundwater flow and plume transport. The Agrico plume discharges from the west into Bayou Texar along with the westerly groundwater flow component. Groundwater from the east (at least as far away as the Pensacola Airport) also discharges to the bayou. **Figure 4** shows the hydrogeologic conceptual model from the Agrico Site to Bayou Texar.

Within OU-2, groundwater generally flows laterally and vertically (both upward near the discharge boundary and downward in recharge areas) within the Sand-and-Gravel aquifer. The overall direction of groundwater flow is easterly toward Bayou Texar. Head variations between zones are important in controlling the vertical direction of groundwater flow. **Figures 5** and **6** show the potentiometric surfaces in November 2021 for the surficial zone and main producing zone, respectively. These surfaces are consistent with those measured historically.

The flow direction downgradient of the Agrico Site is primarily controlled by the Bayou Texar discharge boundary condition. Near the bayou, vertical head differences between aquifer zones cause groundwater to flow vertically from the main producing zone upwards, and groundwater discharges to the bayou. There is evidence that the bayou is a discharge boundary for both the surficial and main producing zones of the aquifer, and that groundwater does not pass under the bayou as underflow. Water levels within both zones to the north, east, and west of Bayou Texar indicate a groundwater flow direction toward the bayou boundary.

# 3.3 RAINFALL CONDITIONS

Rainfall records collected at the Pensacola Airport indicate that 2021 was characterized by about 25.67 inches above average normal rainfall (annual average is about 62.75 inches based on the 1900-2021 period of rainfall record), with a total accumulation of 88.42 inches during 2021. The total accumulation of rainfall in 2021 is approximately 11.93 inches more than occurred in 2020 and

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represents the third highest annual rainfall measured since 2001. Over the past 21 years, extremes in rainfall have occurred. Hurricanes produced abundant rainfall in 2005 (87.32 inches) followed by a drought in 2006. During 2006, the total rainfall was 45.26 inches, or 17.49 inches below normal. The 2017 rainfall represents a record annual rainfall total for the period starting in 1900 with a total of 91.91 inches, and rainfall in 2018 totaled 90.01 inches.

A significant storm event occurred in the Pensacola area during April 2014. Between April 29 and April 30, 2014, the area received rainfall totals ranging from 16 to 24 inches. Widespread flooding occurred in many parts of the county and within the vicinity of the Site. The rain ended about 6:30 am on April 30, 2014. The Site was inspected at 14:15 pm on April 30, 2014. The south drainage pond had topped the pond banks. Flood water was contained north of the Fairfield Drive railroad overpass and the railroad right-of-way. Flooding extended along the southern annex road to just east of the storage warehouse property where the storm water pond on this out parcel also topped the pond's banks. The north pond was full and topping its bank, but flooding was contained on Site. An inspection of the cap area indicated that the cap was intact, and no damage had occurred.

During 2021, rainfall was significantly above average for the year and higher than rainfall measured in 2020. **Figure 7** presents the annual rainfall data for the period of record from the NOAA Pensacola station. Also included on **Figure 7** is a graph showing the cumulative departure from normal rainfall. This cumulative departure graph generally mimics groundwater level trends.

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An annual advisory notice (**Appendix C**) is sent to contractors conducting work in southern Escambia County. The advisory notice is sent to water well contractors, irrigation system installers, and pool contractors informing them of groundwater conditions in the vicinity of the Agrico Site. The contractor listing is updated annually from returned "not deliverable – no forwarding address" notices. For the purposes of the advisory notice, the area identified is approximately bounded on the north by Fairfield Drive, on the west side by Palafox Street, on the south side by Bobe Street, and on the east side by Bayou Texar. The notice states that the construction of wells in this area, including lawn irrigation wells, may be restricted due to the occurrence of impacted groundwater. The contractors are advised to contact the NWFWMD, the Northwest District of FDEP, or the ECHD for further information. The annual advisory notice was distributed in December 2021 to the contractors listed in **Table 6**.

Currently, institutional controls are in place that provide protection to the public drinking water supply. As part of the OU-2 remedy, periodic checking is performed to determine the status of institutional controls established by local, regional, and state agencies. To verify that controls remain in place, annual letters are sent to the various agencies requesting information on any changes or proposed changes. Since these agencies also receive reports regarding groundwater conditions, the purposes of the communication are: 1) to address any questions the agencies have concerning groundwater conditions and 2) to receive a status report from the agencies concerning the existing regulations, planned rule changes, or new regulations which control groundwater use in the Agrico OU-2 area.

Institutional controls include the following:

1. Well construction and consumptive use approval (NWFWMD)

On February 22, 2001, the NWFWMD Board passed a moratorium on drilling new wells, including irrigation wells, in the Agrico and ETC areas. In a public meeting held on March 27, 2017, discussions with NWFWMD representatives indicated that they were not inclined to end the well construction moratorium. Therefore, the moratorium remained in effect during 2021 and is expected to continue since there is no expiration date for the moratorium.

The moratorium affects the west side of the bayou only because the Agrico plume does not extend across the bayou due to hydrogeologic boundary flow conditions. The bayou serves as a flow boundary to the Agrico plume and prevents flow farther east.

This moratorium is governed by the NWFWMD Rule 40A-3 which is incorporated into the rule as 40A-3.055 Prohibitions:

- (1) The construction of certain, specified types of water wells shall be prohibited in the following areas:
  - (a) Escambia Treating and Agrico Superfund Sites, South Escambia County permitting of all water wells other than monitor wells or aquifer restoration wells shall be prohibited with the area inside and bounded on the west by CSX railroad corridor, on the east by Bayou Texar, on the south by East Cross Street projected in a straight line until it intersects Bayou Texar, and on the north by Hyatt Street, North Davis Highway, Wynnehurst Street, Kenneth Street, Boxwood Drive, Ash Drive, Ninth Avenue, and Hillbrook Way projected in a straight line until it intersects Bayou Texar.

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2. Irrigation systems approval (ECHD):

A letter dated February 2, 2005 was received from the Director of the Environmental Health Services, ECHD, indicating that the ECHD no longer approves or disapproves irrigation systems. The coordination with the City of Pensacola Building Inspection office for installation of irrigation systems is *no longer* a function performed by ECHD.

Based on this information, the only regulatory control as it relates to groundwater within the OU-2 area is managed by the NWFWMD in their well construction permit program.

- 3. The location of the Agrico plume is well defined, and ECUA is on the distribution list for reports related to the Agrico plume. Therefore, a future supply well location in the vicinity of the Site is highly improbable.
- 4. Existing wells are regularly sampled by ECUA, which reports these data as part of their permit reporting to FDEP. Any potential impacts to the supply wells caused by existing plumes can be assessed. For example, existing impacts from Site 348 are under assessment by FDEP based on analytical results from ECUA wells (F & Scott Well, East Plant Well, Well No. 8, and Well No. 9).
- 5. The Northwest District of the FDEP has designated the area that encompasses both the Agrico plume area and the ETC plume area as a contaminated area under Chapter 62-524, Florida Administrative Code (FAC). The area is the same as the OU-2 area defined on **Figure 3**. The FDEP designated area also includes a portion to the north of the Agrico OU-2 area that is associated with the ETC plume. Chapter 62-524 FAC is closely tied to the NWFWMD well construction permit program since the designated area requires more stringent processes by the permit applicant before a well construction permit can be issued by the NWFWMD. Since there is a moratorium on the issuance of a well construction permits within the designated area, the moratorium provides more stringent restrictions than Chapter 62-254.
- 6. On February 9, 2022, the NWFWMD well construction database was queried, and no new wells were found confirming no new well construction for the moratorium area.
- 7. Deed restrictions on Agrico Property provide for certain future land use and subsurface limitations.

In March 2021, a memorandum was distributed to:

- Alex Webster– FDEP, Northwest District, Pensacola,
- Billy Hessman FDEP, Tallahassee
- Tim Haag ECUA
- Tom Brown– NWFWMD
- Derrick Owens City of Pensacola
- Mark Spitznagel ECHD
- Glenn Griffith, Escambia County
- Alan Hagans FDOT, District Three (Chipley)

No responses to the memorandum were received. Results from the 2022 memorandum will be reported in next years' report.

### 5.1 GROUNDWATER SAMPLING

Annual groundwater samples were collected from the modified long-term monitoring network in November 2021. A total of 10 monitoring wells were sampled.

Groundwater samples were collected in accordance with FDEP's SOPs for Field Sampling (Revised January 2017). Sample collection techniques, sample documentation, preservation requirements, sampling equipment decontamination procedures, the types and number of quality assurance/quality control (QA/QC) samples collected, and specifications that allow for the verification of the precision, accuracy, and completeness of data collected are all detailed in the sampling and analysis plan (SAP) included in the November 1998 O&M Plan.

#### 5.1.1 Monitoring Well Network

#### Monitoring Locations

Locations of monitoring wells installed either in the surficial or main producing zones of the Sand-and-Gravel aquifer are shown on **Figure 1**. **Table 1** lists the wells in the Agrico monitoring network, including long-term monitoring wells which are sampled annually (includes measuring groundwater levels) and periodic monitoring wells where groundwater levels are measured annually and wells that are sampled and gauged during the Five-Year Review. **Table 2** presents the well construction details for all monitoring wells associated with the groundwater monitoring program for the Agrico Site.

#### Sampling Constituents

Groundwater was sampled in 2021 for the following COCs in both the surficial and deep zones:

- Fluoride
- Arsenic, Total (only from monitoring well AC-2S)
- Chloride
- Sulfate
- Nitrate
- Radium 226 and Radium 228 (naturally occurring); also reported as the sum of combined radium 226 + 228 results

Lead and arsenic are no longer included as analytical parameters for all groundwater samples. Arsenic is only analyzed annually in AC-2S. Lead is not analyzed for any well locations.

#### 5.1.2 Well Purging

Each monitoring well associated with the modified monitoring network and sampled during November 2021 was purged and sampled with an electric, 2-inch, stainless steel, low-flow submersible pump and polyethylene tubing. All wells were purged a minimum of one and a half well volumes before sampling. No wells were purged dry during the November 2021 sampling event. Field parameters, including pH, specific conductivity, turbidity, temperature, dissolved oxygen, and oxidation reduction potential were collected from all wells during purging. A summary of groundwater field parameters is presented in **Table 3**.

#### 5.1.3 Investigation Derived Waste

Development and purge water pumped from each well was collected in a temporary storage tank installed on a field trailer. When the mobile storage tank was reached capacity, the recovered water was transferred to a larger temporary storage tank located on the Agrico OU-1 Site. In accordance with the FDEP guidelines, the wastewater is managed as industrial waste.

The IDW (non-hazardous groundwater purge water) is transported by Erwin Remediation, Inc. (Erwin) to their Mobile, Alabama facility (EPA ID Number ALO 000 859 421). There it is treated and disposed of in accordance with state and federal regulations. An attempt to remove the purge water, approximately 1,000 gallons, was made on February 15, 2022.

#### 5.1.4 Water Level Measurements

In November 2021, groundwater levels were measured in all Agrico network monitoring wells for OU-1 and OU-2 except AC-10D, which could not be located and appeared to have been buried following construction activities. Further attempts will be made to locate the well prior to the 2022 sampling event.

Water levels measurements were collected on a single day prior to purging of wells scheduled for sampling, and these data and contours are consistent with historical data. Water level measurements are used to evaluate water level fluctuations and groundwater flow direction, and they are used to prepare potentiometric maps for the surficial and main producing zones of the Sand-and-Gravel aquifer.

Static groundwater levels from all identified monitoring wells associated with the Agrico Site (**Figure 1**) were measured to within  $\pm 0.01$  ft. Measurements were collected with an electronic water level tape using the top of casing (TOC) as the measuring point. The measurements were subsequently referenced to the TOC elevations and used to calculate groundwater elevations. This information was used to confirm that groundwater flow direction remains similar to that measured during previous years. Groundwater elevations are presented in **Table 4**.

#### 5.2 BAYOU TEXAR SAMPLING

Three surface water sampling locations within the primary groundwater discharge reach of Bayou Texar were sampled as per the March 10, 2015, FDEP Memorandum. These locations are shown on **Figure 1**.

#### Surface Water Sampling

Three near-bottom surface water samples (BT-02, BT-107, and BT-127) are located within the brackish water locations that are tidally influenced. Saline water from Pensacola Bay is drawn into the bayou during high tide. All surface water samples are collected at low tide.

Surface water sampling is conducted in accordance with the November 1998 SAP. The samples are collected from a boat. A discrete sample is collected at the deepest section of each transect.

# **SECTION**FIVE

Samples are collected using a peristaltic pump and disposable polyethylene tubing attached to poly-vinyl chloride pipe, which is lowered to the appropriate depth. The depth of each sample collected is approximately 6 inches above the floor of the bayou. Field parameters, including pH, specific conductivity, turbidity, and temperature, are collected in conjunction with the surface water samples.

A summary of the 2021 surface water quality field parameters is presented in Table 5.

### Sampling Constituents

For sampling locations BT-02, BT-107, and BT-127, fluoride was the only constituent analyzed.

### 5.3 CHEMICAL ANALYSES

Groundwater and surface water quality samples collected during the November 2020 event were submitted to Eurofins/Test America Laboratories, Inc. (Eurofins), Pensacola, Florida. All analyses were performed by the Pensacola laboratory (Certification No. E81010), except radium 226 and radium 228 which was analyzed by Eurofins St. Louis (Certification No. E87689). All analyses were performed pursuant to NELAP requirements. Eurofins is certified by EPA and the State of Florida. All analytical reports were prepared in accordance with Eurofins's Level III report format. The following analytical methods were used to analyze the specific media in accordance with SW-846.

| CONSTITUENT | ANALYTICAL METHOD                              |
|-------------|--|
| Fluoride    | SM4500 F C                                     |
| Chloride    | 300.0 (Ion Chromatography)                     |
| Sulfate     | 300.0 (Ion Chromatography)                     |
| Nitrate     | 353.2 Nitrate by calculation                   |
| Arsenic     | 6010B  |
| Radium 226  | 903.1 Mod (RL-RA—001)(Alpha Scintillation)     |
| Radium 228  | 904 Mod (RL-RA—001)(Gas Proportional Counters) |

# 5.4 SAMPLING RESULTS

The November 2021 sampling activities completed the annual sampling requirement for the Agrico Site. A total of 10 annual monitoring network wells were sampled. **Figure 1** shows the required water quality sampling locations for the Agrico Site.

Field parameter details from the November 2021 sampling event are shown in **Table 3** and historical trends are shown on graphs within Section 5.5.

Results of the Bayou Texar sampling are presented in Table 5 and Table 9.

The groundwater sampling results for the identified COCs detected in the surficial and main producing zones for the site-wide required water quality monitoring wells are discussed in this section. Summaries of the results are provided in **Table 8**, **Figure 8**, and **Figure 9**.

Appendix A contains all laboratory analytical reports from the November 2021 sampling event.

# 5.5 GROUNDWATER FIELD PARAMETERS

In addition to the Agrico COCs, several field parameters are collected as part of the groundwater sampling program (**Table 3**). These parameters include water temperature, pH, dissolved oxygen, turbidity, specific conductance, and the oxidation-reduction potential. An understanding of these parameters can be important in understanding the relationships between COC concentrations and field parameter ranges in values, in defining and understanding ranges of background concentrations, and in evaluating overall COC concentration trends. A more detailed discussion of selected field parameters, including specific conductance, pH, dissolved oxygen, and the oxidation-reduction potential follows.

#### 5.5.1 Specific Conductance

Specific conductance (conductivity) is a measure of how well a water sample conducts an electrical current. It is a straightforward measurement that can be made with reasonable accuracy in the field. It is, therefore, often used as a proxy for the total dissolved solids (TDS) analysis. The conductance values are measured in the field with a hand-held instrument and are recorded in microSiemens per centimeter units ( $\mu$ S/cm).

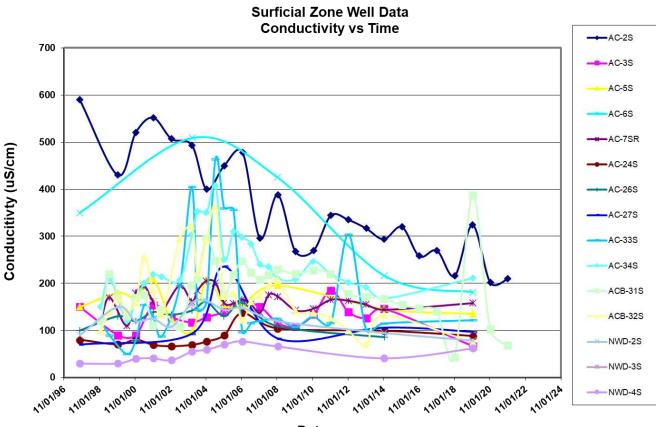
Within the main producing zone during 2021, the specific conductance values ranged from 86  $\mu$ S/cm to 1036  $\mu$ S/cm. Specific conductance increased slightly from the 2020 conductivity values in all main producing zone wells. In the surficial zone, the conductivity in AC-2C was similar to the 2020 value, while the conductivity in ACB-31S was lower than the 2020 conductivity.

As groundwater recharges the Sand-and-Gravel aquifer in Escambia County, it encounters relatively little soluble material, and the water has characteristically low hardness (soft) and is relatively unmineralized. The aquifer is composed of mostly quartz sand, which is not very soluble. The abundant rainfall and the aquifer's high permeability keep the groundwater moving, and the residence time is such that the water does not tend to contain a significant quantity of dissolved mineral matter. Values are generally consistent with those measured in 2020. Measurements will continue to be recorded during future events as trends are indicative of changes in groundwater conditions in the area. As shown below, the levels are generally declining or stable.

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#### Surficial Zone Groundwater:

The shallow groundwater conductivity vs. time chart is shown below.

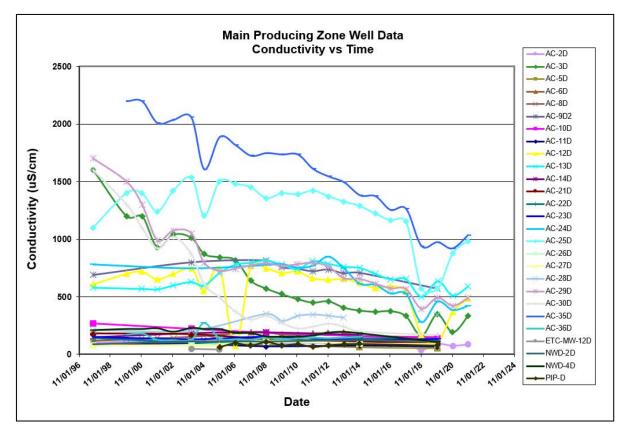


Date

# **SECTION**FIVE

#### Main Producing Zone Groundwater:

The deep groundwater conductivity vs. time chart is shown below.



#### 5.5.2 pH

Groundwater pH within the Sand-and-Gravel aquifer underlying Escambia County reflects generally acidic conditions (less than 7.0 standard units [su]). The reason for the acidic conditions is that rainwater has a pH generally less than 5.5 su in the Escambia County area (Trapp, 1973). This low rainfall pH, coupled with the high recharge from rainfall to the aquifer and the relatively inert nature of the sandy sediments that comprise the aquifer, yields a groundwater pH that is acidic.

Information from the U. S. Geological Survey (USGS) collected in Escambia County was reviewed for groundwater pH data. The period 1968 to 1980 was an extensive data collection time in Escambia County by the USGS. A total of 222 observations of pH (Coffin, 1982) were collected from 69 sites distributed throughout southern Escambia County. The sites were located to characterize general groundwater conditions and were not associated with any assessment of known contamination sites. The range of pH for the 222 observations was 3.4 to 8.9 su. The average pH for the 12-year period was 5.28 su. Background pH conditions are variable and are controlled by local recharge conditions, seasonal rainfall patterns, and whether the groundwater is from a shallow or deep source. Generally, the groundwater occurring at shallow depths (less than 100 feet below land surface) is more acidic than deeper groundwater that tends to approach neutral conditions.

In addition to review of the USGS groundwater pH data, a review was conducted of long-term pH data for a surface water gaging station on the Perdido River at Barrineau Park. The Perdido River

is the westernmost boundary for Escambia County. The station is located about the middle portion of the County and shows that base flow streamflow conditions have pH values generally less than 5 su. Since the base flow of this stream and other streams in the county are derived from groundwater, this is another line of evidence that groundwater pH conditions are acidic.

Geochemically, pH is an important factor in understanding the occurrence of radium in the groundwater beneath Escambia County. Historically, the impacts from radium are well documented within the County and many of these exceedances are not associated with known contaminated sites. As the USGS data indicate, the groundwater can have a naturally occurring background value as low as 3.4 su. Likewise, the data showed that 101 of the 222 observations of pH were less than 5 su indicating that acidic background conditions exist for the groundwater in southern Escambia County.

Exceedances of radium in Escambia County are believed to be associated with naturally occurring thorium minerals in the subsurface. USGS research (Zapecza and Szabo, 1988) at sites throughout the eastern United States indicate that when groundwater pH is approaching 4.5 to 5 su or lower and thorium is present, a process known as recoil mobilization is possible. This recoil process allows radium 228 to be released to the groundwater from the minerals containing thorium. For Escambia County as a whole, it is possible to activate this release with what are considered background groundwater conditions.

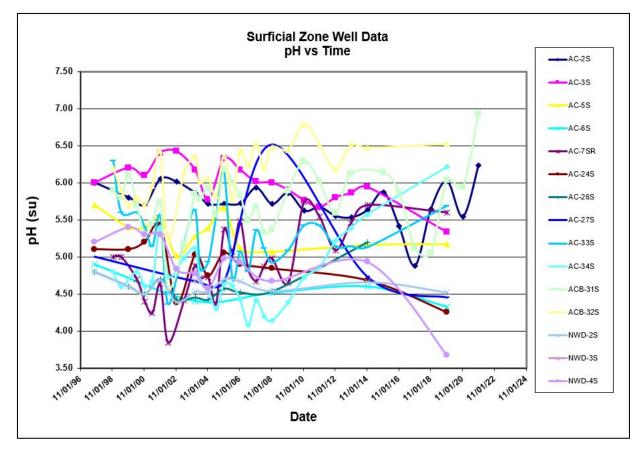
The acidity reflected by low pH in groundwater within the Agrico plume is most likely the result of former operational processes whereby wastewater was disposed in the former on-site impoundments at the former Agrico facility (Watts, et al, 1988). Since the completion of the OU-1 RA, the pH of shallow groundwater within the plume has improved, and in 2021 the pH values recorded are approaching a neutral condition.

The trends in groundwater pH from the Agrico network monitoring wells are reflected in the following graphs for the surficial and main producing zones of the aquifer. Measurements in 2021 in the main producing zone indicate that pH levels in more than half the wells were lower in 2021 than in 2020; but values were within historical ranges.

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#### Surficial Zone Groundwater:

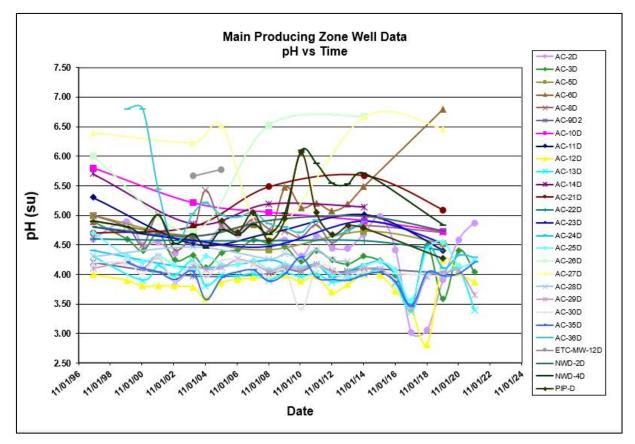
The surficial zone groundwater pH vs. time chart is shown below.



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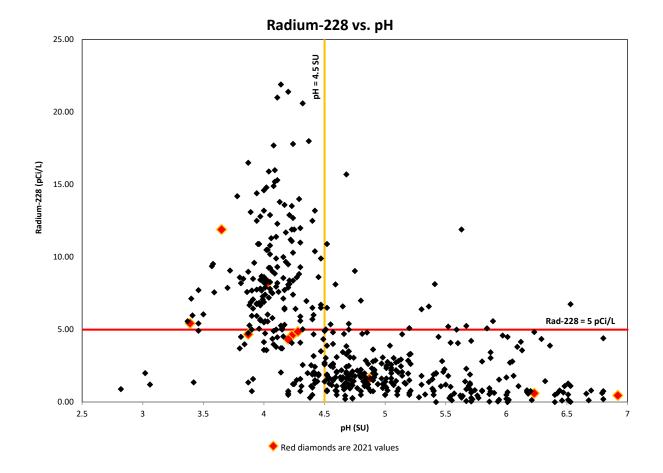
#### Main Producing Zone Groundwater:

The main producing zone groundwater pH vs. time chart is shown below.



The following graph is updated from the original graph (URS, 2007) to show data from all sampling events conducted for the Agrico Site. The data points marked as red diamonds represent results from the November 2021 sampling event. The graph shows the relationship between pH and radium 228 concentrations and illustrates that where the groundwater pH approaches about 5 to 4.5 su or lower, the radium 228 concentration generally increases and often exceeds the 5 pCi/L drinking water standard for combined radium 226 + radium 228. It should be noted that the use of a pH of 4.5 su to demonstrate this relationship is within the range of pH that the recoil process generally is activated. The recoil activation range is plus or minus a pH of 4.5 su (Zapecza and Szabo, 1988).

Data from the 2021 sampling also follow the trend.



Acidic groundwater conditions are also associated with Site 348. This site is located approximately 3,000 feet south of the Agrico Site. Assessment reports for Site 348 (MACTEC, 2010) present pH and radium 228 data which show that low pH conditions result in exceedances of the radium standard of 5 pCi/L for combined radium 226 and radium 228. Data from Site 348 indicates that radium 228 is the predominant isotope present in the groundwater beneath Site 348. Site 348 is near the former municipal water supply wells. A 2008 sample collected by ECUA from the F & Scott well reported a combined radium 226 + 228 concentration of 5 pCi/L (www.ecua.fl.org – 2010 Water Quality Report).

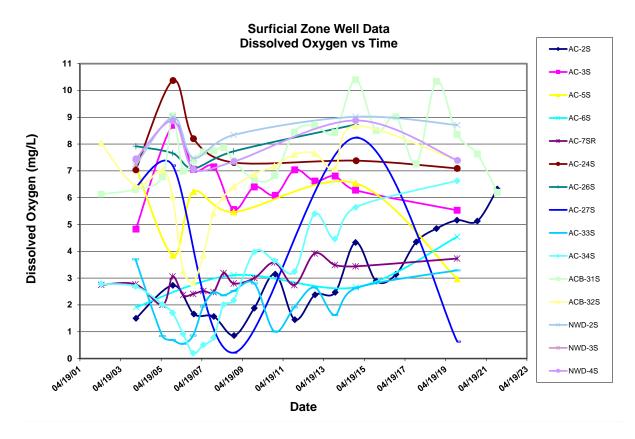
### 5.5.3 Dissolved Oxygen

The solubility limit (saturation concentration) of oxygen in water (in equilibrium with air) at the temperatures, pressures, and salinities encountered in shallow groundwater at the Site is on the order of 8.5 mg/L (ppm). Oxygen's solubility limit increases as temperature decreases. Dissolved oxygen (DO) concentrations greater than 1 mg/L (aerobic conditions) are considered to support aerobic microbial metabolism, and conversely, DO concentrations less than 1 mg/L (anaerobic conditions) support anaerobic microbial systems.

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#### Surficial Zone Groundwater:

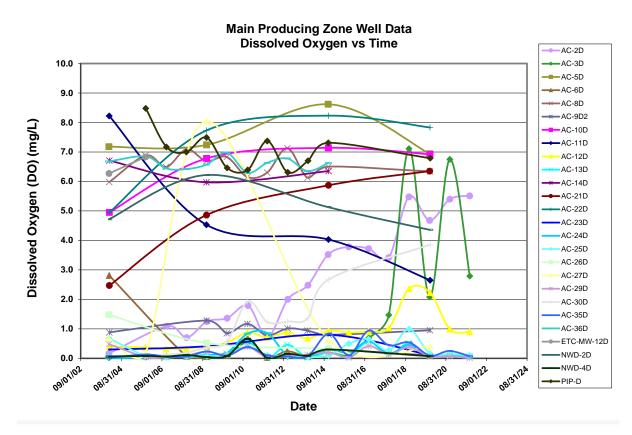
The shallow groundwater DO vs. time chart is shown below.



# **SECTION**FIVE

#### Main Producing Zone Groundwater:

The deep groundwater DO vs. time chart is shown below.



#### 5.5.4 Oxidation-Reduction Potential

Oxidation-reduction potential (ORP) reactions control the behavior of many chemical constituents in groundwater. ORP refers to the electric potential required to transfer electrons from one compound or element (the oxidant) to another compound (the reductant). The process of oxidation involves losing electrons, while reduction involves gaining electrons. ORP is used as a qualitative measure of the state of oxidation in aqueous solutions. ORP (and Eh) are typically given in terms of millivolts (mV).

Although similar to ORP, Eh is reserved for consideration where the redox potential is measured with a relatively fragile standard hydrogen electrode (SHE). Positive Eh values indicate an oxidizing environment, while negative Eh values indicate a reducing environment. For field applications, ORP is typically measured using silver/silver chloride (Ag/AgCl) reference electrodes.

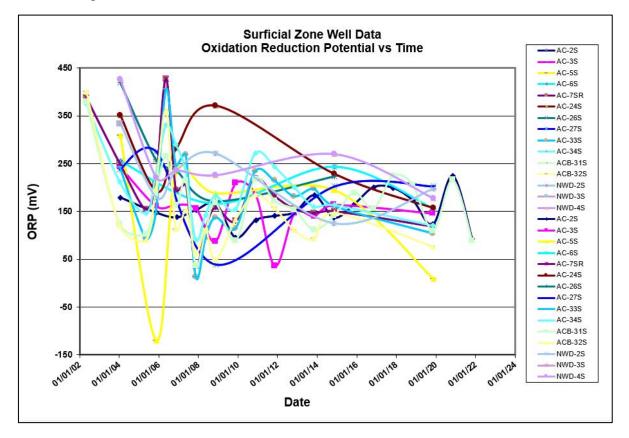
Field ORP readings can be converted to Eh values by adding the offset value provided by the manufacturer of the ORP calibration solution used (or by experimentation). ORP has been measured at the Site with an YSI (brand) instrument equipped with an Ag/AgCl electrode and calibrated against a Zobell 4 molar potassium chloride (KCl) solution where the offset to Eh is 200 mV. To convert the Site's field ORP readings to Eh, the offset value of 200 mV is added to the Site's ORP readings. For example, ORP readings of +150 and -172 mV translate to Eh values of

+350 and +28 mV, respectively. It is common for natural groundwater to present ORP between +300 mV to -400 mV (Eh between +500 mV to -200 mV).

Generally, oxygen-rich water is expected to exhibit positive ORP values (reflecting oxidizing conditions); and, conversely, anaerobic water often presents negative ORP values (reflecting reducing conditions). However, oxidation-reduction reaction couples are numerous and often competitive, so that natural environments affected by anthropogenic constituents can induce ORP behavior atypical of the otherwise classic correlation with DO. ORP is expected to reach equilibrium in groundwater that is at or approaching steady state. Changes in ORP can indicate a system that is out of equilibrium. ORP readings in 2021 are lower than those reported in 2020, but the values remain within the historical ranges.

#### Surficial Zone Groundwater:

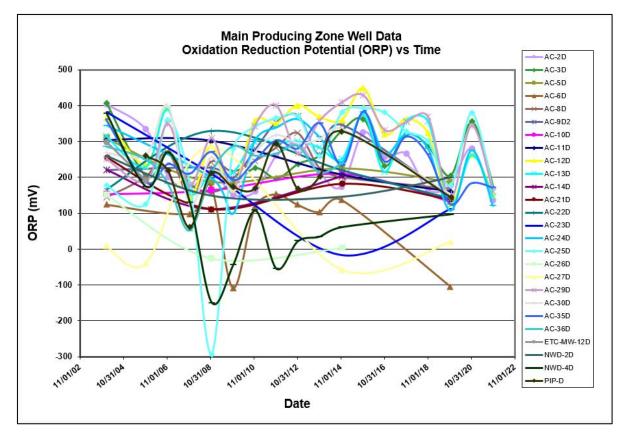
The shallow groundwater ORP vs. time chart is shown below.



# **SECTION**FIVE

#### Main Producing Zone Groundwater:

The deep groundwater ORP vs. time chart is shown below.



## 5.6 BAYOU TEXAR SAMPLING RESULTS

The modified surface water monitoring network is composed of three sampling locations within Bayou Texar. Freshwater from Carpenter's Creek flows into the saline estuary, Bayou Texar. **Figure 1** shows the locations of the surface water sampling sites. The samples are analyzed for fluoride only. Brackish water occurs at all three locations where samples are collected.

The surface water sampling results for fluoride at the three stations are shown in **Table 5** (field parameters) and **Table 9** (analytical results). The fluoride results did not exceed the surface water criteria of 5 mg/L at the sampling locations. Laboratory analytical reports are contained in **Appendix A**.

### 5.7 QA/QC REVIEW

Eurofins job numbers for this annual report are 400-210573-1 and 400-210716-1. The following laboratory narratives describe the sample conditions and associated analytical QA/QC issues.

#### Laboratory Report 400-210573-1:

All samples were received in good condition within temperature requirements, properly preserved and on ice. The sample collected from ACB-31S was mislabeled by the lab as ACB-315.

Method 300.0 – Chloride and Sulfate – Several samples were diluted to bring the concentration of target analytes within the calibration range and the elevated reporting limits are provided. Also, the matrix spike (MS)/matrix spike duplicate (MSD) recovery for several sulfate samples was outside control limits, but the associated laboratory control sample (LCS) recovery was within acceptance limits. Data have been reported and qualified in the laboratory report.

Method 903.0 – Radium – The method blank has activity above the minimum detectable concentration and the reporting limit. The associated samples are below the reporting limit for the contaminant; therefore, reanalysis is not required, and the data have been reported. Also, the LCSs/laboratory control sample duplicates (LCSD) recovered at 72% and 69% (below some state required limits). However, the laboratory's statistical limits of 61%-138% per method apply to these samples in Florida, so the LCS passes, and no further action is required.

Metals - No analytical or quality issues were noted.

Method 353.2 – Nitrate-Nitrite – Several samples were diluted to bring the concentration of target analytes within the calibration range and reporting limits are provided. Also, the MS/MSD recoveries were outside advisory control limits, but the associated LCS recovery was within acceptance limits. In addition, the native sample, MS, and MSD associated with an analytical batch was performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the analyte in the MS/MSD was above the instrument calibration range. The data have been reported and qualified in the laboratory report.

#### Laboratory Report 400-210716-1:

All water quality samples were received in good condition, properly preserved and within temperature requirements. No analytical or quality issues were noted.

Fluoride results for samples AC-13D, AC-24D, AC-25D, and AC-35D were well below the expected results based on historical values. In addition, the duplicate (DUP) sample DUP 1 at AC 2D was collected during the November 2021 sampling event. The duplicate sample did not show acceptable agreement with fluoride results. Discussions with the laboratory and subsequent investigation by the laboratory personnel indicated that the instrument stirring mechanism was not functioning properly during the analyses for this batch of samples. The malfunction led to the lower values and the discrepancy in the AC-2D duplicate result. For comparison, the laboratory did report the Method 300.0 ion chromatography (IC) results for these samples, for informational purposes only.

One equipment blank (EQ 1) was collected during the November 2021 sampling event. Target analyte chloride was reported above the laboratory detection limits in the equipment blank sample. Review of the chloride data did not result in qualification of the data based on the detection in the blank.

Results of the QA/QC samples are included with the laboratory reports in Appendix A.

## 5.8 GROUNDWATER SAMPLING RESULTS

The 2021 annual results continue to support that source control actions at the former Agrico Site are effective and that the MNA remedy is functioning as expected with Agrico COCs attenuating in groundwater under the former Site and down-gradient of the Site.

#### **Surficial Zone**

Within the surficial zone, historically the overall trend is downward and historically there has been an overall shrinking of the area of impacts for this zone. The downward trend in concentrations has been attributed to effective source control. The surficial zone plume is historically captured by the vertical hydraulic component of the contaminant transport within less than one-half mile downgradient of the former Site. Due to these conditions, the areal extent of impacts in the surficial zone is limited.

Presently, there are only two surficial monitoring wells being sampled annually for the Site, ACB-31S and AC-2S. Only AC-2S exhibits COC concentrations above target clean-up goals in the surficial zone. Historical results show that all Agrico monitoring well locations on the former Agrico property have achieved clean-up goals. Location AC-2S is directly down-gradient of the former Agrico Site and up-gradient of the area where the surficial zone is preferentially hydraulically connected to the deeper main producing zone. For 2021, fluoride (22 mg/L) exceeds the clean-up target level of 4 mg/L at this location. The fluoride concentrations in shallow groundwater are attenuating. The peak concentration of 210 mg/L occurred in 2002 at well AC-2S. Since that time, fluoride concentrations have been on a decreasing trend. For arsenic, the concentration is also decreasing. The highest total arsenic concentration of 0.74 mg/L occurred at well AC-2S in 1990. In 2021, arsenic was not detected above the performance standard.

#### **Main Producing Zone**

Within the main producing zone, the overall flattening of the trends is what was predicted in the *Evaluation of Monitored Natural Attenuation* by William Huber, Ph.D., Quantitative Decisions, (URS, 2009) and further confirmed by subsequent data evaluations by Huber in the October 23, 2013, Report #2 (URS, 2013b). This flattening should be expected to continue for some time and eventually evolve into a slowly decreasing trend, accelerating as time goes on. Slight upward or downward ticks in the trend for individual monitoring well results are to be expected. It is the long-term trend for each COC that is important. Radium appears to attenuate more slowly than the other Agrico COCs. Radium exceedances occur as the result of a secondary reaction and are not the direct result of infiltration into the groundwater from the source area. Instead, acidic wastewater infiltrated into the groundwater and contacted naturally occurring mineralogy with radium content. The radium in turn was released from the subsurface sediments to the groundwater as the acidic plume is transported downgradient contacting newly exposed aquifer material with the radium mineralogy. As the acidity approaches background conditions, this will stop the release of radium and attenuation of combined radium should progress on a faster path.

**Figure 8** and **Figure 9** show the 2021 results for the current monitoring locations for fluoride and combined radium 226 + 228, respectively. Fluoride values for several of the main producing zone wells (AC-13D, AC-24D, AC-25D, AC-35D) were reported below 1 mg/L, much lower than historical values. An inquiry was sent to the laboratory following receipt of the results, and the laboratory reported that an instrument malfunction led to the discrepancy. Fluoride results reported using an alternative laboratory method (300.0 IC) ranged from 10 mg/L to 130 mg/L and are closer

to expected values based on the historical levels. These results are not directly comparable to the historical results because they were reported by a different analytical method not approved for use at the site. However, these informational results do appear to indicate that no significant shift in groundwater concentrations in the monitored wells has occurred during the monitoring period. The 2021 results for these locations have not been included in **Figure 8** or in the trend charts in Figure 11. Additionally, results from AC-29D (located upgradient of AC-24D, AC-25D, and AC-35D) and from AC-12D (located upgradient of AC-13D) are consistent with historical results and are useful for their intended purpose. Fluoride in these two locations was slightly lower in 2021 than values reported in 2020. Review of these data in conjunction with review of the fluoride results from the 2021 surface water samples collected in Bayou Texar appear to confirm that no significant increases in the fluoride concentration in the main producing zone have occurred since 2021. Combined radium 226 + 228 concentrations from the 2021 sampling were slightly higher in most of the monitoring wells than those measured during 2020. However, all results were well below the historical maximums, and overall, the data show decreasing trends for these constituents. Figure 10 presents the trend graphs for fluoride in the surficial zone annual monitoring wells. Chloride, sulfate, nitrate and combined radium 226+ 228 trends are not included for the surficial zone since these parameters have remained below the performance standards in the surficial zone for over 5 years. Figure 11 shows the trend graphs for fluoride, chloride, sulfate, nitrate and combined radium 226 + 228 for each of the annual sampling monitoring well locations in the main producing zone. For the locations with questionable fluoride results, the reported values have been left off the charts so as not to skew the trends.

## 6.1 OU-1 REMEDY

The source area remedy was completed in 1997. Since that time, the property has remained secured; institutional controls have been filed on the property deed and are on record with Escambia County; the integrity of the constructed cap has not been compromised by erosion or settlement; the grass cover on the cap has matured and stabilized the soils; and the storm water controls remain intact, preventing storm water runoff from leaving the Site except through infiltration to groundwater in the North and South Ponds. Results of the water and sediment sampling in the infiltration ponds during January 2004 indicated that soils on-site are not affecting the quality of water infiltrating these ponds. Concentrations of all COCs in groundwater of the surficial zone immediately downgradient of the cap have decreased significantly since the remedial actions were completed. Based on the groundwater sampling results, the source area is controlled, and the remaining COC impacts are from residual impacts caused prior to the remedial action. **Results from the 2021 sampling of monitoring wells downgradient of the cap area indicate that the OU-1 remedy remains effective and that source zone depletion is ongoing.** 

## 6.2 OU-2 REMEDY

Annual groundwater and surface water monitoring has been performed at established long-term monitoring locations since 1999. Comprehensive sampling has been performed in conjunction with each Five-Year Review. The groundwater monitoring continues to be an effective means of evaluating the natural attenuation remedy as well as source zone depletion. The evaluation of the long-term groundwater monitoring network (URS, 2006d), approved by EPA on September 11, 2007, provides further information regarding the defined plume area and downgradient progression. The evaluations of monitored natural attenuation associated with the Agrico plume (URS, August 2009 and October 2013) further supports that the mechanisms for attenuation are in place throughout the area and the effects of the source zone remedy are evident in the surficial zone of the former source area (OU-1) and are also being observed downgradient (OU-2), as expected. **Results from the 2021 sampling of monitoring wells downgradient indicate that effective natural attenuation is proceeding as expected.** 

### 6.2.1 Notifications

As part of the annual scope of work, notifications are provided to select groups. This includes issuing an Advisory Notice to contractors, a memorandum to local and regional agency contracts; and querying of NWFWMD permit records to determine if any new wells have been installed within the well construction moratorium area.

A standard advisory notice was distributed to contractors who might be performing work related to new well installations around OU-2. This notice informs the contractor of the boundaries of the existing moratorium on well construction. It also directs them to the NWFWMD, FDEP, or the Escambia County Health Department for more information.

According to NWFWMD permit records, no new irrigation wells were installed within the monitoring area during 2021.

On February 22, 2001, the NWFWMD Board passed a moratorium on drilling wells, including irrigation wells, in the Agrico OU-2 and the ETC groundwater plume areas. The moratorium remains

in effect and provides the most stringent institutional controls for the area impacted by the plume. The moratorium has no termination date and is part of the Prohibitions in Rule 40A3. In March 2021, a coordination memorandum was distributed to local and regional agencies requesting input on any rule changes that may affect any institutional controls for the moratorium area (**Appendix C**). No responses indicating work that might affect the area were received.

### 6.2.2 Sampling Results – Groundwater and Surface Water

The natural attenuation remedy is proceeding as anticipated, with 24 of the estimated 70 years elapsed (remediation of OU-1 was certified complete in April 1997). Conclusions from the monitored natural attenuation evaluations (URS, August 2009 and October 2013) indicate that much of the groundwater is expected to reach the target concentrations within two to three decades. Within the area of the Bayou Texar discharge boundary, the time to reach the targets may be longer. Fluoride results continue to exemplify cleanup progress for the Agrico Site. While the fluoride data for several of the wells are questionable given the significant decrease over previous results reported by the laboratory, the results from the other wells analyzed continue to show that overall fluoride concentrations are decreasing with time. Additionally, it appears that the plume discharge area remains well defined and limited in areal extent. Groundwater results, except for the previously discussed fluoride concentrations, for November 2021 closely compare to historical results for both aquifer zones. Although slight increases in concentrations were detected at monitoring well locations for some COCs, the increases are well below the maximums detected and within the range of expected concentration fluctuations for a natural attenuation remedy where source control has been implemented and source-zone depletion is ongoing.

#### Surficial Zone

The surficial zone plume does not migrate to Bayou Texar. The plume in this zone infiltrates to the main producing zone within less than 0.4 mile downgradient of the Site (**Figure 4**). Monitoring of the groundwater within the surficial zone is limited to the OU-1 area and the vicinity of the vertical diversion area between AC-2S and AC-3S. The only impacts remaining for the surficial zone plume are in proximity of monitoring well AC-2S, and only fluoride was detected above the performance standard in this well during 2021. Historically, within the surficial zone, the overall trend in COC concentrations is downward and the overall area of impacts is shrinking. Due to the existing hydrogeologic/hydraulic conditions, the zone has limited areal impacts. For most of the OU-2 area, background conditions exist for the Agrico COCs within the surficial zone since the potential for downgradient impacts beyond the surficial zone diversion area are absent. Any exceptions to background concentrations in these downgradient surficial zone wells are due to non-Agrico sources.

### Main Producing Zone

Within the main producing zone, arsenic and lead plumes are not present. The primary indicator of the Agrico plume continues to be fluoride where concentrations exceed the performance standard of 4 mg/L. Also, elevated chloride and sulfate concentrations coexist with elevated fluoride concentrations at some locations. Radium appears to be attenuating more slowly than the other Agrico COCs. This is because radium (naturally occurring) exceedances occur as the result of a secondary geochemical reaction, not the direct result of infiltration into the groundwater from the source area. Instead, low pH acidic wastewater infiltrated into the groundwater and contacted

naturally occurring minerals with radium content. The naturally occurring radium was released from the subsurface saturated soil to the groundwater with the low pH acidic plume. As the pH approaches background conditions (neutralizes) downgradient, the release of the naturally occurring radium will subside, and both the pH and radium plumes will continue to shrink.

Historically, the main producing zone plume remains well defined, as the detailed evaluations (URS, 2006d, URS, August 2009, and URS, October 2013) confirmed, and exceedances of contaminant-specific performance standards only cover limited areal extents. Within the main producing zone, the stability and flattening of COC concentration trends is what was predicted and what is observed. At some locations, the flattening/COC stability is expected to continue for some time. This trend will eventually evolve into a slowly decreasing trend, accelerating with time as it has already developed in many locations. Except for the fluoride results that were reported to be much lower than historical concentrations, and that are not likely representative of current conditions, sampling results for 2021 showed slightly higher concentrations for some constituents at a few locations within the plume than measured in 2020. These increased concentrations were within the historical ranges, and overall concentrations trends are decreasing.

Slight upward or downward ticks in COC trends for individual monitoring well results are to be expected as site conditions change (e.g., water level fluctuations, aquifer heterogeneity, etc.). It is the long-term trend for each COC in the impacted area that is important.

### 6.2.3 Bayou Texar

The 1993 Bayou Texar Assessment (Entrix, 1993a, 1993b, and 1993c) presented fluoride data that indicated groundwater originating from the Agrico Site was discharging to the bayou. The data also indicated that the discharge zone appeared to be well defined and limited in areal extent. EPA's review of the data concluded that fluoride would have to be discharging at a concentration of 4,050 mg/L or greater to exceed the surface water standard of 5 mg/L in the bayou. The maximum fluoride concentration in 2020 in the groundwater well closest to the western edge of Bayou Texar, was estimated at 60 J mg/L in monitoring well AC-35D. The fluoride result for this well in 2021 was reported to be much lower. The maximum historical fluoride concentration recorded for the Agrico plume was 180 mg/L in the same well AC-35D in 2010. Furthermore, in the OU-2 ROD, EPA (1994) concluded that it is unlikely that the discharge of the groundwater plume into Bayou Texar would result in impacts to fish or wildlife.

There are more than 60 storm water outfalls into Bayou Texar. Several studies have identified impacts caused by storm water from other locations contributing contaminants to the bayou. Mohrherr, et al. (2005) concluded that Bayou Texar is an urban water body that is impacted by a variety of pollutants and pollution sources. Mohrherr, et al. (2005) further concluded that their results corroborate the studies conducted for the Agrico Site indicating that fluoride levels are highest and increase with depth in the northern portion of the bayou where the Agrico plume discharges to the bayou. Mohrherr, et al. (2005) also concluded, as the long-term monitoring data for the bayou confirm, that the fluoride concentrations in the waters of Bayou Texar are below the Chapter 62-302, Class III Marine standard of 5 mg/L.

### Surface Water

Surface water concentrations remain below Chapter 62-302, Class III Marine Surface Water Standards for Agrico COCs, indicating that sufficient precipitation for the case of fluoride

concentrations exists within the bayou. For other Agrico constituents, advection-dispersion is significantly affecting the COCs before and/or after it is discharged to the bayou so that the Agrico plume potential impacts are minimized with no significant risk to the bayou.

# Summary of Ecological Impact Evaluation of Bayou Texar Downgradient of Agrico's Groundwater Fluoride Plume

On September 4, 2009, the results of the Phase I and Phase II Bayou Texar sampling for August 2008 and May 2009 were submitted to EPA. The results of the investigations indicated the following:

- Fluoride in the top 10 cm of sediment (the bioactive zone) within the groundwater plume discharge zone ranged from about 32 to 339 micrograms per gram (μg/g).
- Fluoride in the near-bottom surface water (the primary exposure regime for demersal fish) within the groundwater plume discharge zone was consistently less than the Florida Surface Water Quality Criterion for Class III Marine waters for fluoride, 5 mg/L. The concentration of fluoride in most of the surface water samples was less than 1 mg/L.
- Fluoride in the sediment pore water in the bioactive zone (the primary exposure regime for benthic macro-invertebrates) within the groundwater plume discharge zone was less than 3 mg/L in 30 of the 40 stations sampled. Fluoride in pore water exceeded the 5 mg/L standard at only 3 of 40 stations. Spatial analysis determined that the surface area weighted average concentration of fluoride in the bioactive zone pore water was less than the 5 mg/L standard.

The conclusions of this assessment indicated that there is no significant risk to populations of demersal fish or to benthic macro-invertebrate communities that inhibit the reach of Bayou Texar where the Agrico groundwater discharges. Furthermore, the fluoride solubility in most of surface sediments and in all pore waters within the primary groundwater plume discharge reach is controlled by mineral precipitation reactions. These reactions are likely responsible for buffering dissolved concentrations of fluoride in near surface sediment pore water and the surface water in this reach of the bayou.

EPA has approved the ecological impact evaluation that was conducted for Bayou Texar (URS, 2009C). As part of the Third Five-Year review, EPA included four recommendations in the June 2010 Five-Year Report. These recommendations were as follows:

- 1. Continue annual groundwater monitoring.
- Continue annual near-bottom Bayou Texar surface water monitoring at multiple stations including the 3 locations with pore water greater than 5 milligrams per liter as reported in the September 4, 2009 "Conceptual Site Model Ecological Impact Evaluation of Bayou Texar Downgradient of Agrico's Groundwater Fluoride Plume" (Phase II results).
- 3. If the levels of fluoride in near-bottom surface water or in adjacent Bayou Texar groundwater monitoring well, AC-35D increase to levels significantly greater than that measured historically (maximum of 180 mg/L in 2010), submit a work plan to evaluate the increase.
- 4. Conduct further risk evaluation studies will be conducted if the surface area weighted average for pore water is predicted to be greater than 5 mg/L.

These first two recommendations are continuing tasks of the on-going long-term monitoring program for the Site. As of the November 2010 sampling event, the three locations where pore water results were greater than 5 mg/L were added to the long-term monitoring.

Since the surface water sampling was initiated for Bayou Texar and modified in 2010, no significant concentrations of fluoride have been detected as part of the near-bottom surface water sampling. For 2021, the fluoride concentrations are 0.72 mg/L (BT-107), 0.59 mg/L (BT-02), and 1.1 (BT-127). The value for BT-127 was slightly higher than the value detected during the 2020 sampling event. Results from the other two locations were lower than values reported in 2020. Results from all location continue to be well below the applicable SWS. Historical surface water fluoride concentrations further confirm that the Agrico groundwater discharges to Bayou Texar have no significant risk.

### 6.3 RECOMMENDATIONS

- Annual groundwater and surface water sampling continue for 2022 as stated in the March 10, 2015, FDEP Memorandum.
- Operations and maintenance including mowing related to OU-1 to continue in accordance with the OU-1 O&M Plan as amended November 18, 2009 and approved by EPA on January 25, 2010.
- The advisory notice to contractors and the query of the NWFWMD well construction permit database will continue annually.
- The Agency Coordination Memo and the FDOT inquiry for intrusive activity will continue annually.
- Continue to work to understand the impacts associated with Site 348 (a FDEP site) and work with EPA on gathering information pertaining to Site 348.

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# **TABLES**

**FIGURES** 

#### **TABLE 1 GROUNDWATER MONITORING WELL NETWORK** LONG-TERM AND PERIODIC MONITORING WELLS

#### **Agrico Site** Pensacola, Florida

| Well<br>I.D.          | Network<br>Component | Description   | Aquifer<br>Zone |
|-----------------------|----------------------|---|-----------------|
| AC-2D                 | OU-2 LTGWMW          | Downgradient Site, Below PS Concentration                   | MPZ             |
| AC-2S                 | OU-2 LTGWMW          | Elevated Concentration Area Well                            | SZ              |
| AC-3S                 | OU-2 LTGWMW          | Flow Path Well, Below PS Concentration                      | SZ              |
| AC-3D                 | OU-2 LTGWMW          | Elevated Concentrations, Flow Path Well                     | MPZ             |
| AC-5D                 | PERIODIC             | Outside of Plume  | MPZ             |
| AC-5S                 | PERIODIC             | Outside of Plume, Background                                | SZ              |
| AC-6D                 | OU-2 LTGWMW          | Outside of Plume; Potentially Impacted by Site 348 (Kaiser) | MPZ             |
| AC-6S                 | PERIODIC             | Outside of Plume; Potentially Impacted by Site 348 (Kaiser) | SZ              |
| AC-7SR                | OU-1 LTGWMW          | In Residual Plume Area                                      | SZ              |
| AC-8D                 | OU-2 LTGWMW          | Outside Plume, Sentry Well                                  | MPZ             |
| AC-9D2 <sup>(1)</sup> | OU-2 LTGWMW          | In Plume  | MPZ             |
| AC-10D                | PERIODIC             | Outside of Plume, Effects by Site 348 (Kaiser) Possible     | MPZ             |
| AC-11D                | PERIODIC             | Outside of Plume  | MPZ             |
| AC-12D                | OU-2 LTGWMW          | Flow Path Well Inside Plume                                 | MPZ             |
| AC-13D                | OU-2 LTGWMW          | Leading Edge of Plume                                       | MPZ             |
| AC-21D                | PERIODIC             | Outside of Plume, Potential Effects by Site 348 (Kaiser)    | MPZ             |
| AC-22D                | PERIODIC             | Outside of Plume, Effects by Site 348 (Kaiser) Possible     | MPZ             |
| AC-23D                | PERIODIC             | Sidegradient Fringe of Plume                                | MPZ             |
| AC-24D                | OU-2 LTGWMW          | Flow Path Well Inside Plume                                 | MPZ             |
| AC-24S                | PERIODIC             | Outside of Plume, Downgradient of Diversion Area            | SZ              |
| AC-25D                | OU-2 LTGWMW          | Flow Path Well Inside Plume                                 | MPZ             |
| AC-27D                | PERIODIC             | Located on East Side of Groundwater Divide                  | MPZ             |
| AC-27S                | PERIODIC             | Located on East Side of Groundwater Divide                  | SZ              |
| AC-28D                | OU-2 LTGWMW          | Flow Path Well Inside Plume                                 | MPZ             |
| AC-29D                | OU-2 LTGWMW          | Elevated Concentrations, Flow Path                          | MPZ             |
| AC-30D                | OU-2 LTGWMW          | Flow Path, Inside Plume                                     | MPZ             |
| ACB-31S               | OU-1 LTGWMW          | Upgradient but not necessarily Background                   | SZ              |
| ACB-32S               | OU-1 LTGWMW          | Upgradient but not necessarily Background                   | SZ              |
| AC-33S                | OU-1 LTGWMW          | Downgradient Cap Area                                       | SZ              |
| AC-34S                | OU-1 LTGWMW          | Downgradient Cap Area                                       | SZ              |
| AC-35D                | OU-2 LTGWMW          | Elevated Concentration, Flow Path                           | MPZ             |
| NWD-2D                | PERIODIC             | Outside of Plume, Effects by Site 348 (Kaiser) Possible     | MPZ             |
| NWD-2S                | PERIODIC             | Downgradient of Diversion Area, Outside of Plume            | SZ              |
| NWD-4D                | OU-2 LTGWMW          | Outside of Plume, Sentry Location                           | MPZ             |
| NWD-4S                | PERIODIC             | Outside of Plume, Sentry Location                           | SZ              |
| PIP-D                 | OU-2 LTGWMW          | Upgradient but not necessarily Background                   | MPZ             |

NOTES:

MPZ = Main Producing Zone

SZ = Surficial Zone

PS = Performance Standard

The following wells associated with the site were not located as of September 1997: AC-3D2, AC-21S, AC-23S, AC-25S, NWD-D, NWD-I.

Evaluation determined that the remaining wells were adequate for an accurate understanding of conditions at the Site.

Wells plugged with cement and abandoned according to NWFWMD regulations include AC-1S, AC-1D, AC-4S, AC-4D,

AC-7S, AC-7D, AC-9D.

Former Periodic Well NWD-3S destroyed between November 2005 and November 2006. New construction location covers the former monitoring well location. Evaluation determined that the remaining wells were adequate for an accurate understanding of conditions at the Site.

Former monitoring wells AC-14D, AC-26S, AC-26D, and AC-36D were destroyed by the City of Pensacola stormwater project construction. These wells were removed from the network prior to the 2020 sampling event.

LTGWMW = Long-Term Groundwater Monitoring Well

Periodic = Annual water levels and sampling during Five-Year Reviews. Annual = Beginning Nov. 2009; sampling will be conducted annually to assist in MNA evaluation; once MNA determinations made, these wells will revert to periodic. <sup>(1)</sup> AC-9D2 is replacement well for AC-9D. AC-9D was plugged and abandoned on October 21, 1993.

#### TABLE 2 MONITORING WELL CONSTRUCTION DETAILS

#### Agrico Site Pensacola, Florida

| Well<br>I.D.          | Elevation<br>Measuring<br>Point<br>(ft NGVD) <sup>5</sup> | Well<br>Depth<br>(ft bls) <sup>6</sup> | Screen<br>Interval<br>(ft bls) <sup>2</sup> | Diameter<br>(inches) <sup>2</sup> | Aquifer<br>Zone |
|-----------------------|---|--|---|-----------------------------------|-----------------|
| AC-2D <sup>(4)</sup>  | 92.74   | 149                                    | 147.2-149                                   | 4                                 | MPZ             |
| AC-2S                 | 88.65   | 70                                     | 50 - 70                                     | 4                                 | SZ              |
| AC-3S                 | 88.06   | 79                                     | 59 - 79                                     | 4                                 | SZ              |
| AC-3D                 | 88.07   | 170                                    | 150 - 170                                   | 4                                 | MPZ             |
| AC-5D                 | 82.4  | 171                                    | 151 - 171                                   | 4                                 | MPZ             |
| AC-5S                 | 82.34   | 69                                     | 49 - 69                                     | 4                                 | SZ              |
| AC-6D                 | 69.19   | 170                                    | 150 - 170                                   | 4                                 | MPZ             |
| AC-6S                 | 69.32   | 70                                     | 50 - 70                                     | 4                                 | SZ              |
| AC-7SR                | 90.59   | 70                                     | 50 - 70                                     | 2                                 | SZ              |
| AC-8D                 | 76.44   | 220                                    | 190 - 222                                   | 4                                 | MPZ             |
| AC-9D2 <sup>(1)</sup> | 64.13   | 198                                    | 179 - 198                                   | 4                                 | MPZ             |
| AC-10D                | 79.48   | 224                                    | 190 - 224                                   | 4                                 | MPZ             |
| AC-11D                | 73.17   | 200                                    | 200 - 220                                   | 4                                 | MPZ             |
| AC-12D                | 79.23   | 211                                    | 191 - 211                                   | 4                                 | MPZ             |
| AC-13D                | 74.65   | 223                                    | 203 - 223                                   | 4                                 | MPZ             |
| AC-14D <sup>(8)</sup> | 49.79   | 199                                    | 179 - 199                                   | 4                                 | MPZ             |
| AC-21D <sup>(7)</sup> | 75.47   | 170                                    | 160 - 169.5                                 | 4                                 | MPZ             |
| AC-22D                | 76.58   | 170                                    | 160 - 169.5                                 | 4                                 | MPZ             |
| AC-23D                | 79.51   | 170                                    | 160 - 169.5                                 | 4                                 | MPZ             |
| AC-24D                | 79.60   | 215                                    | 205 - 215                                   | 4                                 | MPZ             |
| AC-24S                | 79.50   | 80                                     | 70 - 80                                     | 4                                 | SZ              |
| AC-25D                | 39.75   | 180                                    | 170 - 180                                   | 4                                 | MPZ             |
| AC-26D <sup>(9)</sup> | 26.70   | 165                                    | 155 - 165                                   | 4                                 | MPZ             |
| AC-26S <sup>(9)</sup> | 26.75   | 35                                     | 25 - 35                                     | 4                                 | SZ              |
| AC-27D                | 18.55   | 150                                    | 140 - 150                                   | 4                                 | MPZ             |
| AC-27S                | 18.50   | 35                                     | 25 - 35                                     | 4                                 | SZ              |
| AC-28D                | 74.89   | 201                                    | 181 - 201                                   | 4                                 | MPZ             |
| AC-29D                | 82.26   | 211                                    | 191 - 211                                   | 4                                 | MPZ             |
| AC-30D                | 85.73   | 211                                    | 191 - 211                                   | 4                                 | MPZ             |
| ACB-31S               | 91.92   | 70                                     | 50 - 70                                     | 2                                 | SZ              |
| ACB-32S               | 88.16   | 69.5                                   | 49.5 - 69.5                                 | 2                                 | SZ              |
| AC-33S                | 89.18   | 69.5                                   | 49.5 - 69.5                                 | 2                                 | SZ              |
| AC-34S                | 89.09   | 70                                     | 50 - 70                                     | 2                                 | SZ              |
| AC-35D                | 10.49   | 145                                    | 125 - 145                                   | 4                                 | MPZ             |
| AC-36D <sup>(9)</sup> | 5.26  | 152                                    | 132 - 152                                   | 4                                 | MPZ             |
| NWD-2D <sup>(3)</sup> | 76.80   | 180                                    | 160 - 180                                   | 4                                 | MPZ             |
| NWD-2S <sup>(3)</sup> | 77.53   | 75                                     | 55 - 75                                     | 4                                 | SZ              |
| NWD-3S <sup>(7)</sup> | 80.40   | 75                                     | 55 - 75                                     | 4                                 | SZ              |
| NWD-4D                | 34.70   | 120                                    | 100 - 120                                   | 4                                 | MPZ             |
| NWD-4S                | 34.70   | 45                                     | 35 - 45                                     | 4                                 | SZ              |
| PIP-D                 | 39.10   | 180                                    | 160 - 180                                   | 4                                 | MPZ             |

NOTES:

ROW = Road Right-of-Way

MPZ = Main Producing Zone

SZ = Surficial Zone

ft bls = feet below land surface

(1) AC-9D2 is replacement well for AC-9D. AC-9D plugged and abandoned on October 21, 1993.

 $\ensuremath{_{(2)}}$  All wells are constructed of PVC casing and screen materials.

(3) Elevations for NWD-2D and NWD-2S were corrected in this Annual Report based on information from the NWFWMD database.

(4) Downhole Video Survey conducted in March 2004. Results indicate well filled in and only about 1 ft of screen remains.

(5) ft NGVD = feet above National Geodetic Vertical Datum of 1988.

(6) ft = feet

(7) NWD-3S destroyed as of 2006; AC-21D damaged as of 2007 (measured depth 163 ft bls; only 3 ft of screen remains). Evaluation determined that the remaining wells are adequate for an accurate understanding of conditions at the Site.

(8) AC-14D destroyed in 2018 during City of Pensacola stormwater system construction project.

(9) AC-26S, AC-26D, and AC-36D were not located during the 2019 sampling event, and based on recent City of Pensacola stormwater system construction, they appear to have been destroyed. EPA approved the 2019 report recommendation to remove these wells from the monitoring well network. However, should future groundwater data indicate the need, replacement can be implemented.

## Agrico Site Pensacola, Florida

| Well<br>I.D. | Date     | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|--------------|----------|------------|-------------------------|----------------------|----------------------------|---|--------------------|
|              | 11/23/98 | 5.90       | 120                     | 23.00                | NM                         | NM  | 6.00               |
|              | 05/25/99 | 5.80       | 220                     | 26.00                | NM                         | NM  | 2.00               |
|              | 11/16/99 | 6.10       | 170                     | 21.00                | NM                         | NM  | 8.00               |
|              | 05/16/00 | 5.70       | 130                     | 24.00                | NM                         | NM  | 7.00               |
|              | 11/14/00 | 5.30       | 170                     | 20.00                | NM                         | NM  | 3.00               |
|              | 05/08/01 | 5.45       | 176                     | 22.50                | NM                         | NM  | 999*               |
|              | 11/06/01 | 5.73       | 111                     | 22.10                | NM                         | NM  | 4.6                |
|              | 05/06/02 | 4.57       | 144                     | 22.60                | 6.13                       | 379   | 15.4               |
|              | 05/07/03 | 5.17       | 108                     | 22.83                | NM                         | NM  | 7.2                |
|              | 01/13/04 | 5.84       | 196                     | 23.86                | 6.31                       | 123   | 0.8                |
|              | 05/10/04 | 5.78       | 208                     | 24.76                | NM                         | NM  | 10.2               |
|              | 11/09/04 | 5.92       | 296                     | 23.70                | NM                         | NM  | 9.3                |
|              | 05/10/05 | 5.56       | 248                     | 23.12                | 6.78                       | 103   | 5.1                |
|              | 11/08/05 | 6.18       | 176                     | 23.71                | 9.06                       | 187   | 5.0                |
|              | 05/17/06 | 6.00       | 218                     | 23.19                | 6.99                       | 265   | 2.0                |
|              | 11/14/06 | 5.83       | 247                     | 23.25                | 7.39                       | 162   | 2.1                |
| ACB-31S      | 05/16/07 | 5.49       | 223                     | 23.14                | 7.71                       | 213   | 2.4                |
|              | 11/15/07 | 5.67       | 208                     | 22.50                | 7.75                       | 37  | 0.6                |
|              | 05/15/08 | 5.32       | 218                     | 23.19                | 7.87                       | 109   | 0.9                |
|              | 11/13/08 | 5.36       | 229                     | 23.43                | 7.38                       | 168   | 1.2                |
|              | 11/19/09 | 5.89       | 220                     | 23.38                | 6.66                       | 88  | 2.1                |
|              | 11/16/10 | 6.29       | 228                     | 22.59                | 6.82                       | 218   | 0.9                |
|              | 11/08/11 | 6.01       | 220                     | 23.61                | 8.45                       | 172   | 3.5                |
|              | 11/06/12 | 5.59       | 178                     | 23.73                | 8.69                       | 154   | 0.4                |
|              | 11/05/13 | 6.12       | 172                     | 23.83                | 8.43                       | 112   | 1.2                |
|              | 11/12/14 | 5.97       | 167                     | 20.84                | 10.40                      | 140.6                                       | 0.24               |
|              | 11/18/15 | 6.13       | 154                     | 21.73                | 8.50                       | 188.8                                       | 0.40               |
|              | 11/08/16 | 5.87       | 147                     | 23.45                | 9.02                       | 156.1                                       | 0.78               |
|              | 11/07/17 | 5.11       | 140                     | 23.69                | 7.26                       | 224.4                                       | 2.13               |
|              | 11/06/18 | 5.05       | 43                      | 24.01                | 10.34                      | 204.8                                       | 1.20               |
|              | 11/12/19 | 6.03       | 387                     | 23.49                | 8.36                       | 109.5                                       | 1.46               |
|              | 11/10/20 | 5.94       | 103                     | 23.77                | 7.63                       | 215.8                                       | 0.48               |
|              | 11/04/21 | 6.92       | 68                      | 23.83                | 6.20                       | 88.4  | 0.62               |

# Agrico Site Pensacola, Florida

| Well<br>I.D. | Date     | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|--------------|----------|------------|-------------------------|----------------------|----------------------------|---|--------------------|
|              | 09/27/97 | 6.00       | 590                     | 24.00                | 9.10                       | NM  | 2.00               |
|              | 11/16/99 | 5.80       | 430                     | 22.00                | NM                         | NM  | 1.00               |
|              | 11/21/00 | 5.70       | 520                     | 21.00                | NM                         | NM  | 1.00               |
|              | 11/15/01 | 6.05       | 552                     | 20.00                | NM                         | NM  | 39.50              |
|              | 11/26/02 | 6.01       | 507                     | 25.90                | NM                         | NM  | 4.90               |
|              | 01/23/04 | 5.86       | 493                     | 24.75                | 1.50                       | 179.2                                       | 2.50               |
|              | 11/17/04 | 5.71       | 400                     | 23.66                | NM                         | NM  | 3.31               |
|              | 11/15/05 | 5.71       | 450                     | 23.49                | 2.73                       | 147.6                                       | 9.31               |
|              | 11/28/06 | 5.72       | 478                     | 24.04                | 1.66                       | 137.8                                       | 0.81               |
|              | 11/21/07 | 5.93       | 296                     | 24.39                | 1.57                       | 153.3                                       | 0.00               |
|              | 11/19/08 | 5.71       | 388                     | 24.41                | 0.86                       | 166.2                                       | 1.01               |
|              | 11/18/09 | 5.86       | 268                     | 24.34                | 1.88                       | 95.8  | 1.18               |
| AC-2S        | 11/29/10 | 5.62       | 270                     | 24.48                | 3.15                       | 132.1                                       | 0.07               |
|              | 11/16/11 | 5.67       | 344                     | 24.77                | 1.45                       | 140.9                                       | 3.96               |
|              | 11/14/12 | 5.55       | 335                     | 23.71                | 2.38                       | 148.6                                       | 0.56               |
|              | 11/12/13 | 5.53       | 317                     | 23.99                | 2.47                       | 183.8                                       | 1.07               |
|              | 11/12/14 | 5.63       | 294                     | 21.51                | 4.33                       | 137.1                                       | 0.41               |
|              | 11/18/15 | 5.87       | 320                     | 22.21                | 2.89                       | 165.3                                       | 0.59               |
|              | 11/09/16 | 5.41       | 258                     | 23.87                | 3.14                       | 200.8                                       | 1.45               |
|              | 11/07/17 | 4.88       | 270                     | 23.92                | 4.35                       | 199.1                                       | 2.01               |
|              | 11/06/18 | 5.64       | 216                     | 23.79                | 4.85                       | 172.8                                       | 3.31               |
|              | 11/12/19 | 6.02       | 324                     | 23.19                | 5.16                       | 123.1                                       | 0.61               |
|              | 11/10/20 | 5.54       | 202                     | 23.99                | 5.13                       | 224.4                                       | 1.53               |
|              | 11/02/21 | 6.23       | 210                     | 23.86                | 6.32                       | 92.8  | 0.82               |
|              | 09/30/97 | 4.60       | 100                     | 24.00                | 9.70                       | NM  | 0.00               |
|              | 11/16/99 | 4.90       | 110                     | 22.00                | NM                         | NM  | 0.00               |
|              | 11/21/00 | 4.50       | 110                     | 21.00                | NM                         | NM  | 0.00               |
|              | 11/15/01 | 4.55       | 102                     | 21.20                | NM                         | NM  | 0.00               |
|              | 11/26/02 | 4.36       | 102                     | 23.70                | NM                         | NM  | 0.36               |
|              | 01/23/04 | 4.64       | 105                     | 23.07                | 0.17                       | 403.9                                       | 2.60               |
|              | 11/17/04 | 4.50       | 105                     | 22.40                | NM                         | NM  | 1.10               |
|              | 11/14/05 | 4.80       | 91                      | 23.32                | 2.41                       | 334.2                                       | 3.34               |
|              | 11/28/06 | 4.68       | 90                      | 23.30                | 1.09                       | 200.8                                       | 1.70               |
|              | 11/21/07 | 4.86       | 91                      | 22.86                | 0.70                       | 170.0                                       | 0.00               |
|              | 11/19/08 | 4.56       | 109                     | 23.65                | 1.25                       | 214.9                                       | 1.87               |
|              | 11/18/09 | 4.59       | 97                      | 23.37                | 1.36                       | 151.8                                       | 1.18               |
| AC-2D        | 11/29/10 | 4.30       | 99                      | 22.90                | 1.79                       | 161.0                                       | 0.65               |
|              | 11/16/11 | 4.65       | 99                      | 23.61                | 0.72                       | 260.9                                       | 3.14               |
|              | 11/14/12 | 4.45       | 96                      | 23.59                | 2.00                       | 293.8                                       | 2.15               |
|              | 11/12/13 | 4.44       | 95                      | 23.70                | 2.48                       | 212.1                                       | 2.71               |
|              | 11/12/14 | 4.68       | 94                      | 21.28                | 3.52                       | 173.6                                       | 1.31               |
|              | 11/18/15 | 4.98       | 94                      | 22.02                | 3.78                       | 325.1                                       | 2.11               |
|              | 11/09/16 | 4.42       | 88                      | 24.02                | 3.72                       | 257.9                                       | 2.08               |
|              | 11/07/17 | 3.02       | 99                      | 24.05                | 3.42                       | 265.9                                       | 6.36               |
|              | 11/06/18 | 3.06       | 40                      | 24.42                | 5.48                       | 165.3                                       | 6.94               |
|              | 11/13/19 | 3.91       | 90                      | 23.75                | 4.68                       | 178.6                                       | 3.45               |
|              | 11/11/20 | 4.59       | 75                      | 24.05                | 5.40                       | 280.5                                       | 6.45               |
|              | 11/02/21 | 4.87       | 86                      | 24.05                | 5.51                       | 135.1                                       | 4.00               |

# Agrico Site Pensacola, Florida

| Well<br>I.D. | Date     | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|--------------|----------|------------|-------------------------|----------------------|----------------------------|---|--------------------|
|              | 09/27/97 | 4.90       | 1600                    | 24.00                | 9.50                       | NM  | 0.00               |
|              | 11/19/99 | 4.60       | 1200                    | 23.00                | NM                         | NM  | 0.00               |
|              | 11/21/00 | 4.40       | 1200                    | 21.00                | NM                         | NM  | 0.00               |
|              | 11/14/01 | 4.70       | 930                     | 22.80                | NM                         | NM  | 0.00               |
|              | 11/26/02 | 4.24       | 1041                    | 23.80                | NM                         | NM  | 0.37               |
|              | 01/22/04 | 4.32       | 1013                    | 23.24                | 0.02                       | 407.2                                       | 2.60               |
|              | 11/17/04 | 4.11       | 872                     | 22.81                | NM                         | NM  | 3.24               |
|              | 11/15/05 | 4.37       | 844                     | 23.35                | 0.04                       | 202.3                                       | 2.96               |
|              | 11/22/06 | 4.42       | 819                     | 23.48                | 0.06                       | 270.9                                       | 1.30               |
|              | 11/21/07 | 4.59       | 640                     | 22.94                | 0.09                       | 181.3                                       | 0.00               |
|              | 11/13/08 | 4.52       | 572                     | 23.77                | 0.07                       | 158.7                                       | 2.20               |
| AC-3D        | 11/18/09 | 4.47       | 523                     | 23.61                | 0.10                       | 183.2                                       | 0.81               |
| AC-3D        | 11/29/10 | 4.21       | 480                     | 22.83                | 0.55                       | 225.2                                       | 1.43               |
|              | 11/15/11 | 4.40       | 451                     | 23.53                | 0.02                       | 196.5                                       | 2.04               |
|              | 11/13/12 | 4.24       | 462                     | 23.63                | 0.07                       | 237.2                                       | 0.79               |
|              | 11/12/13 | 4.18       | 407                     | 23.69                | 0.06                       | 260.9                                       | 1.25               |
|              | 11/11/14 | 4.30       | 382                     | 20.74                | 0.21                       | 329.5                                       | 0.16               |
|              | 11/19/15 | 4.23       | 371                     | 21.84                | 0.11                       | 362.0                                       | 0.65               |
|              | 11/11/16 | 3.99       | 377                     | 24.00                | 0.69                       | 232.5                                       | 0.71               |
|              | 11/08/17 | 3.46       | 333                     | 24.00                | 1.47                       | 321.0                                       | 1.71               |
|              | 11/06/18 | 4.49       | 163                     | 24.40                | 7.11                       | 285.8                                       | 1.11               |
|              | 11/13/19 | 3.58       | 348                     | 24.23                | 2.08                       | 204.2                                       | 0.54               |
|              | 11/10/20 | 4.41       | 194                     | 23.97                | 6.75                       | 355.1                                       | 0.72               |
|              | 11/04/21 | 4.03       | 336                     | 23.96                | 2.79                       | 170.2                                       | 0.86               |
|              | 09/27/97 | 4.00       | 610                     | 24.00                | 9.00                       | NM  | NM                 |
|              | 11/18/99 | 3.90       | 700                     | 23.00                | NM                         | NM  | 0.00               |
|              | 11/15/00 | 3.80       | 720                     | 23.00                | NM                         | NM  | 0.00               |
|              | 11/08/01 | 3.81       | 653                     | 21.30                | NM                         | NM  | 0.00               |
|              | 11/22/02 | 3.80       | 700                     | 24.00                | NM                         | NM  | 0.54               |
|              | 01/28/04 | 3.78       | 745                     | 23.36                | 0.40                       | 365.6                                       | 1.68               |
|              | 11/11/04 | 3.59       | 551                     | 22.93                | NM                         | NM  | 0.00               |
|              | 11/10/05 | 3.86       | 749                     | 23.85                | 0.37                       | 233.6                                       | 3.00               |
|              | 11/16/06 | 3.91       | 72                      | 23.67                | 0.32                       | 392.2                                       | 0.11               |
|              | 11/16/07 | 3.94       | 766                     | 22.92                | 0.33                       | 143.5                                       | 0.00               |
|              | 11/13/08 | 3.94       | 749                     | 23.83                | 0.41                       | 287.4                                       | 2.20               |
| AC-12D       | 11/12/09 | 3.98       | 708                     | 23.77                | 0.53                       | 166.4                                       | 0.52               |
| //0 12D      | 11/18/10 | 3.88       | 719                     | 23.02                | 0.87                       | 357.5                                       | 0.94               |
|              | 11/09/11 | 3.97       | 661                     | 24.04                | 0.71                       | 349.9                                       | 1.81               |
|              | 11/08/12 | 3.70       | 649                     | 23.77                | 0.87                       | 401.0                                       | 0.32               |
|              | 11/06/13 | 3.83       | 656                     | 23.85                | 0.68                       | 368.5                                       | 1.18               |
|              | 11/20/14 | 4.00       | 621                     | 21.08                | 0.93                       | 360.0                                       | 0.39               |
|              | 11/19/15 | 3.99       | 577                     | 21.92                | 0.88                       | 449.2                                       | 0.63               |
|              | 11/10/16 | 3.72       | 592                     | 23.93                | 0.91                       | 320.4                                       | 0.83               |
|              | 11/08/17 | 3.41       | 543                     | 23.84                | 1.03                       | 362.8                                       | 1.96               |
|              | 11/07/18 | 2.82       | 169                     | 24.38                | 2.36                       | 323.4                                       | 0.71               |
|              | 11/18/19 | 4.24       | 100                     | 23.97                | 2.23                       | 126.8                                       | 0.46               |
|              | 11/11/20 | 4.02       | 370                     | 23.63                | 0.99                       | 262.8                                       | 1.16               |
|              | 11/03/21 | 3.87       | 483                     | 23.82                | 0.90                       | 151.5                                       | 0.79               |

# Agrico Site Pensacola, Florida

| Well<br>I.D.    | Date     | pH<br>(su) | Conductivity<br>(µ <b>S/cm</b> ) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|-----------------|----------|------------|----------------------------------|----------------------|----------------------------|---|--------------------|
|                 | 09/27/97 | 4.30       | 580                              | 24.00                | 9.50                       | NM  | NM                 |
|                 | 11/15/00 | 3.90       | 570                              | 21.00                | NM                         | NM  | 0.00               |
|                 | 11/08/01 | 4.15       | 565                              | 23.10                | NM                         | NM  | 0.00               |
|                 | 11/21/02 | 3.97       | 599                              | 23.80                | NM                         | NM  | 0.00               |
|                 | 01/16/04 | 4.23       | 629                              | 23.29                | 0.08                       | 316.2                                       | 0.55               |
|                 | 11/11/04 | 3.81       | 598                              | 22.68                | NM                         | NM  | 0.00               |
|                 | 11/10/05 | 3.98       | 706                              | 23.81                | 0.07                       | 228.9                                       | 0.17               |
|                 | 11/16/06 | 3.97       | 780                              | 23.56                | 0.04                       | 390.3                                       | 0.02               |
|                 | 11/19/07 | 4.01       | 796                              | 22.82                | 0.05                       | 159.7                                       | 0.00               |
|                 | 11/11/08 | 3.90       | 815                              | 23.49                | 0.08                       | 211.1                                       | 0.13               |
|                 | 11/12/09 | 4.02       | 781                              | 23.66                | 0.16                       | 213.1                                       | 0.22               |
| AC-13D          | 11/18/10 | 3.96       | 741                              | 22.87                | 0.61                       | 299.5                                       | 0.53               |
|                 | 11/09/11 | 4.01       | 810                              | 23.97                | 0.01                       | 297.3                                       | 0.54               |
|                 | 11/07/12 | 3.87       | 787                              | 23.45                | 0.46                       | 300.7                                       | 0.15               |
|                 | 11/06/13 | 3.92       | 761                              | 23.66                | 0.03                       | 283.4                                       | 0.56               |
|                 | 11/19/14 | 4.00       | 751                              | 21.06                | 0.20                       | 251.3                                       | 0.10               |
|                 | 11/20/15 | 4.07       | 700                              | 21.81                | 0.06                       | 374.7                                       | 0.43               |
|                 | 11/10/16 | 3.84       | 652                              | 23.86                | 0.57                       | 215.3                                       | 0.37               |
|                 | 11/08/17 | 3.37       | 654                              | 23.62                | 0.12                       | 357.5                                       | 1.50               |
|                 | 11/07/18 | 4.01       | 500                              | 23.88                | 0.51                       | 356.5                                       | 0.67               |
|                 | 11/25/19 | 3.99       | 636                              | 23.41                | 0.06                       | 124.5                                       | 0.15               |
|                 | 11/12/20 | 4.08       | 512                              | 23.42                | 0.11                       | 262.9                                       | 0.31               |
|                 | 11/03/21 | 3.39       | 590                              | 23.58                | 0.06                       | 146.5                                       | 0.15               |
|                 | 09/26/97 | 4.40       | 780                              | 23.00                | 9.50                       | NM  | 0.00               |
|                 | 01/21/04 | 4.11       | 747                              | 23.09                | 0.00                       | 344.9                                       | 2.40               |
|                 | 11/18/08 | 4.24       | 776                              | 22.77                | 0.11                       | 198.5                                       | 0.32               |
|                 | 11/16/09 | 4.17       | 784                              | 23.58                | 0.19                       | 99.8  | 0.19               |
|                 | 11/23/10 | 4.12       | 753                              | 22.80                | 0.84                       | 303.8                                       | 0.30               |
|                 | 11/14/11 | 4.16       | 769                              | 23.76                | 0.85                       | 339.0                                       | 0.44               |
|                 | 11/09/12 | 3.95       | 848                              | 22.53                | 0.10                       | 362.1                                       | 1.17               |
| AC-24D          | 11/07/13 | 4.05       | 748                              | 23.56                | 0.05                       | 312.5                                       | 2.00               |
| 70 <b>-</b> 24D | 11/24/14 | 4.16       | 613                              | 23.58                | 0.29                       | 243.0                                       | 1.03               |
|                 | 11/19/15 | 4.21       | 604                              | 21.61                | 0.20                       | 381.4                                       | 0.61               |
|                 | 11/10/16 | 4.00       | 529                              | 23.69                | 0.58                       | 265.6                                       | 0.42               |
|                 | 11/08/17 | 3.50       | 527                              | 23.63                | 0.16                       | 321.3                                       | 2.61               |
|                 | 11/07/18 | 4.47       | 281                              | 23.81                | 0.45                       | 280.6                                       | 0.79               |
|                 | 11/21/19 | 4.10       | 458                              | 23.53                | 0.08                       | 107.4                                       | 0.10               |
|                 | 11/12/20 | 4.32       | 385                              | 23.33                | 0.08                       | 276.1                                       | 0.33               |
|                 | 11/03/21 | 4.28       | 422                              | 23.69                | 0.02                       | 120.6                                       | 0.35               |

# Agrico Site Pensacola, Florida

| Well<br>I.D. | Date     | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|--------------|----------|------------|-------------------------|----------------------|----------------------------|---|--------------------|
|              | 09/24/97 | 4.70       | 1100                    | 24.00                | 10.40                      | NM  | 0.00               |
|              | 11/19/99 | 4.30       | 1400                    | 23.00                | NM                         | NM  | 0.00               |
|              | 11/15/00 | 4.20       | 1400                    | 22.00                | NM                         | NM  | 1.00               |
|              | 11/08/01 | 4.31       | 1240                    | 21.00                | NM                         | NM  | 9.30               |
|              | 11/21/02 | 4.15       | 1420                    | 22.90                | NM                         | NM  | 0.05               |
|              | 01/22/04 | 4.06       | 1534                    | 22.61                | 0.68                       | 177.3                                       | 4.19               |
|              | 11/15/04 | 4.30       | 1204                    | 22.69                | NM                         | NM  | 4.49               |
|              | 11/10/05 | 4.17       | 1502                    | 23.28                | 0.08                       | 125.4                                       | 1.10               |
|              | 11/20/06 | 4.16       | 1481                    | 22.79                | 0.03                       | 360.9                                       | 1.50               |
|              | 11/20/07 | 4.23       | 1449                    | 22.26                | 0.07                       | 181.9                                       | 0.25               |
|              | 11/18/08 | 4.08       | 1356                    | 22.23                | 0.07                       | -292.3                                      | 0.82               |
| AC-25D       | 11/17/09 | 4.17       | 1398                    | 22.74                | 0.12                       | 279.6                                       | 0.29               |
| 10 200       | 11/23/10 | 4.11       | 1388                    | 22.31                | 0.42                       | 341.2                                       | 2.31               |
|              | 11/15/11 | 4.15       | 1422                    | 23.11                | 0.10                       | 364.9                                       | 0.47               |
|              | 11/14/12 | 4.00       | 1371                    | 23.07                | 0.09                       | 369.8                                       | 0.40               |
|              | 11/12/13 | 3.96       | 1326                    | 23.10                | 0.04                       | 258.7                                       | 0.78               |
|              | 11/20/14 | 4.14       | 1287                    | 20.74                | 0.10                       | 381.4                                       | 0.77               |
|              | 11/20/15 | 4.21       | 1222                    | 20.89                | 0.50                       | 393.3                                       | 0.54               |
|              | 11/09/16 | 4.07       | 1163                    | 23.11                | 0.65                       | 381.0                                       | 0.55               |
|              | 11/09/17 | 3.56       | 1152                    | 23.00                | 0.27                       | 328.5                                       | 1.36               |
|              | 11/07/18 | 4.41       | 573                     | 23.20                | 0.99                       | 300.4                                       | 0.70               |
|              | 11/20/19 | 4.55       | 573                     | 22.79                | 0.16                       | 177.5                                       | 0.12               |
|              | 11/12/20 | 4.14       | 877                     | 22.86                | 0.15                       | 379.8                                       | 0.31               |
|              | 11/02/21 | 4.23       | 984                     | 22.93                | 0.10                       | 165.4                                       | 0.22               |
|              | 09/27/97 | 4.10       | 1700                    | 23.00                | 9.10                       | NM  | NM                 |
|              | 11/18/99 | 4.20       | 1500                    | 22.00                | NM                         | NM  | 0.00               |
|              | 11/20/00 | 4.10       | 1300                    | 22.00                | NM                         | NM  | 1.00               |
|              | 11/13/01 | 4.29       | 990                     | 22.20                | NM                         | NM  | 0.00               |
|              | 11/25/02 | 3.87       | 1075                    | 24.00                | NM                         | NM  | 0.00               |
|              | 01/23/04 | 4.14       | 1050                    | 23.34                | 0.48                       | 251.7                                       | 0.00               |
|              | 11/12/04 | 4.08       | 797                     | 22.61                | NM                         | NM  | 2.74               |
|              | 11/16/05 | 4.11       | 723                     | 23.71                | 0.04                       | 188.7                                       | 2.57               |
|              | 11/17/06 | 4.25       | 744                     | 23.68                | 0.05                       | 348.8                                       | 0.00               |
|              | 11/20/07 | 4.18       | 772                     | 22.96                | 0.10                       | 178.0                                       | 0.45               |
|              | 11/18/08 | 4.05       | 790                     | 23.55                | 0.23                       | 309.6                                       | 0.11               |
| _            | 11/17/09 | 4.13       | 768                     | 23.58                | 0.11                       | 171.9                                       | 0.18               |
| AC-29D       | 11/19/10 | 4.08       | 782                     | 23.02                | 0.39                       | 343.5                                       | 0.62               |
|              | 11/11/11 | 4.17       | 794                     | 23.91                | 0.03                       | 399.9                                       | 0.78               |
|              | 11/13/12 | 4.04       | 762                     | 23.74                | 0.11                       | 267.0                                       | 0.30               |
|              | 11/07/13 | 4.04       | 661                     | 23.83                | 0.12                       | 357.3                                       | 0.56               |
|              | 11/17/14 | 4.02       | 655                     | 23.83                | 0.12                       | 408.3                                       | 0.30               |
|              | 11/19/15 | 4.09       | 613                     | 21.13                | 0.03                       | 408.3                                       | 0.81               |
|              |          |            |                         |                      | -                          |   |                    |
|              | 11/11/16 | 3.87       | 572                     | 23.95                | 0.42                       | 331.7                                       | 0.45               |
|              | 11/08/17 | 3.42       | 567                     | 23.85                | 0.13                       | 354.2                                       | 0.90               |
|              | 11/07/18 | 3.96       | 396                     | 24.16                | 0.38                       | 369.0                                       | 0.73               |
|              | 11/19/19 | 4.00       | 492                     | 24.00                | 0.06                       | 142.4                                       | 0.27               |
|              | 11/11/20 | 4.06       | 420                     | 23.61                | 0.07                       | 344.5                                       | 0.29               |
|              | 11/03/21 | 3.65       | 490                     | 23.93                | 0.01                       | 161.7                                       | 0.34               |

### Agrico Site Pensacola, Florida

| Well<br>I.D. | Date     | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( °C) | Dissolved Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) |
|--------------|----------|------------|-------------------------|----------------------|----------------------------|---|--------------------|
|              | 11/18/99 | 4.20       | 2200                    | 22.00                | NM                         | NM  | 8.00               |
|              | 11/15/00 | 4.10       | 2200                    | 22.00                | NM                         | NM  | 0.00               |
|              | 11/08/01 | 4.04       | 2010                    | 21.40                | NM                         | NM  | 3.80               |
|              | 11/21/02 | 3.91       | 2037                    | 22.80                | NM                         | NM  | 2.80               |
|              | 01/15/04 | 4.05       | 2060                    | 22.36                | 0.01                       | 362.0                                       | 0.80               |
|              | 11/15/04 | 3.57       | 1607                    | 21.95                | NM                         | NM  | 3.89               |
|              | 11/16/05 | 3.94       | 1889                    | 22.87                | 0.13                       | 187.8                                       | 9.20               |
|              | 11/20/06 | 4.04       | 1818                    | 22.89                | 0.05                       | 237.7                                       | 2.20               |
|              | 11/20/07 | 4.07       | 1725                    | 22.25                | 0.06                       | 210.8                                       | 0.00               |
|              | 11/19/08 | 3.88       | 1749                    | 22.75                | 0.23                       | 271.6                                       | 0.91               |
|              | 11/19/09 | 4.01       | 1736                    | 22.97                | 0.09                       | 193.1                                       | 1.43               |
| AC-35D       | 11/23/10 | 4.29       | 1737                    | 22.36                | 0.38                       | 247.7                                       | 8.99               |
|              | 11/16/11 | 3.94       | 1611                    | 22.98                | 0.10                       | 303.7                                       | 0.24               |
|              | 11/15/12 | 3.91       | 1545                    | 22.93                | 0.06                       | 281.4                                       | 0.28               |
|              | 11/13/13 | 3.90       | 1495                    | 23.00                | 0.08                       | 351.5                                       | 0.59               |
|              | 11/24/14 | 3.99       | 1381                    | 23.16                | 0.84                       | 233.6                                       | 0.65               |
|              | 11/20/15 | 4.03       | 1374                    | 20.76                | 0.10                       | 384.1                                       | 0.65               |
|              | 11/08/16 | 3.87       | 1254                    | 23.07                | 0.94                       | 244.5                                       | 0.54               |
|              | 11/09/17 | 3.46       | 1264                    | 23.02                | 0.44                       | 314.5                                       | 1.20               |
|              | 11/07/18 | 4.03       | 940                     | 23.14                | 0.54                       | 263.4                                       | 0.72               |
|              | 11/18/19 | 3.97       | 974                     | 23.10                | 0.09                       | 126.0                                       | 0.38               |
|              | 11/02/20 | 4.01       | 919                     | 22.98                | 0.25                       | 184.1                                       | 0.31               |
| NOTES        | 11/02/21 | 4.20       | 1035                    | 23.09                | 0.07                       | 171.9                                       | 0.16               |

NOTES:

su = standard units µS/cm=microSiemens per centimeter \* = turbidity reading above instrument capabilities

\*\* = Well purged with a bailer

Wells purged with a bailer during the May 2001 sampling event

<sup>0</sup>C = Degrees Celsius

mV = milliVolt

NTU = Nephelometric Turbidity Units

NM = Not Measured

| Well  |                  | Elevation                | Water Level    | Water Level           |
|-------|------------------|--------------------------|----------------|-----------------------|
| I.D.  | Date             | TOC                      | (ft btoc)      | Elevation             |
|       |                  | (ft NGVD)<br>SURFICIAL Z |                | (ft NGVD)             |
|       | May-97           | JUNI ICIAL 2             | NM             | NM                    |
|       | Sep-97           |                          | 51.40          | 37.25                 |
|       | Nov-97           |                          | NM             | NM                    |
|       | May-98<br>Nov-98 |                          | NM<br>NM       | NM<br>NM              |
|       | May-99           |                          | NM             | NM                    |
|       | Nov-99           |                          | 49.81          | 38.84                 |
|       | May-00           |                          | NM             | NM                    |
|       | Nov-00<br>May-01 |                          | 58.68<br>59.37 | 29.97<br>29.28        |
|       | Nov-01           |                          | 59.94          | 28.71                 |
|       | May-02           |                          | 61.29          | 27.36                 |
|       | Nov-02           |                          | 60.22          | 28.43                 |
|       | May-03<br>Jan-04 |                          | NM<br>53.90    | NM<br>34.75           |
|       | May-04           |                          | 54.44          | 34.21                 |
|       | Nov-04           |                          | 52.71          | 35.94                 |
|       | May-05           |                          | 46.87          | 41.78                 |
| AC-2S | Nov-05           | 88.65                    | 44.76          | 43.89                 |
|       | May-06<br>Nov-06 |                          | NM<br>50.61    | NM<br>38.04           |
|       | May-07           |                          | 52.94          | 35.71                 |
|       | Nov-07           |                          | 53.89          | 34.76                 |
|       | May-08           |                          | 53.02          | 35.63                 |
|       | Nov-08<br>Nov-09 |                          | 53.57<br>55.93 | 35.08<br>32.72        |
|       | Nov-10           |                          | 46.73          | 41.92                 |
|       | Nov-11           |                          | 46.73          | 41.92                 |
|       | Nov-12           |                          | 48.74          | 39.91                 |
|       | Nov-13<br>Nov-14 |                          | 49.19<br>44.74 | <u>39.46</u><br>43.91 |
|       | Nov-15           |                          | 48.39          | 40.26                 |
|       | Nov-16           |                          | 47.49          | 41.16                 |
|       | Nov-17           |                          | 44.45          | 44.20                 |
|       | Nov-18<br>Nov-19 |                          | 46.64<br>48.91 | 42.01<br>39.74        |
|       | Nov-20           |                          | 47.46          | 41.19                 |
|       | Nov-21           |                          | 42.03          | 46.62                 |
|       | May-97           |                          | 54.49          | 33.57                 |
|       | Sep-97<br>Nov-97 |                          | 55.44<br>NM    | 32.62<br>NM           |
|       | May-98           |                          | 50.19          | 37.87                 |
|       | Nov-98           |                          | 50.21          | 37.85                 |
|       | May-99           |                          | 56.37          | 31.69                 |
|       | Nov-99           |                          | 57.31<br>NM    | 30.75<br>NM           |
|       | May-00<br>Nov-00 |                          | 61.93          | 26.13                 |
|       | May-01           |                          | NM             | NM                    |
|       | Nov-01           |                          | 62.97          | 25.09                 |
|       | May-02           |                          | NM<br>62.27    | NM<br>24.60           |
|       | Nov-02<br>May-03 |                          | 63.37<br>NM    | 24.69<br>NM           |
|       | Jan-04           |                          | 56.37          | 31.69                 |
|       | May-04           |                          | 57.53          | 30.53                 |
|       | Nov-04           |                          | 56.10          | 31.96                 |
|       | May-05<br>Nov-05 | <b>AA AC</b>             | 41.03<br>47.79 | 47.03<br>40.27        |
| AC-3S | May-06           | 88.06                    | 50.15          | 37.91                 |
|       | Nov-06           |                          | 53.68          | 34.38                 |
|       | May-07           |                          | 56.20          | 31.86                 |
|       | Nov-07<br>May-08 |                          | 57.44<br>61.65 | 30.62<br>26.41        |
|       | Nov-08           |                          | 56.90          | 31.16                 |
|       | Nov-09           |                          | 55.84          | 32.22                 |
|       | Nov-10           |                          | 49.74          | 38.32                 |
|       | Nov-11<br>Nov-12 |                          | 49.74<br>52.24 | 38.32<br>35.82        |
|       | Nov-12<br>Nov-13 |                          | 52.24          | 35.82                 |
|       | Nov-14           |                          | 47.85          | 40.21                 |
|       | Nov-15           |                          | 51.75          | 36.31                 |
|       | Nov-16           |                          | 50.27          | 37.79                 |
|       | Nov-17<br>Nov-18 |                          | 47.35<br>49.77 | 40.71<br>38.29        |
|       | Nov-19           |                          | 51.95          | 36.11                 |
|       | Nov-20           |                          | 50.60          | 37.46                 |
| L     | Nov-21           |                          | 44.90          | 43.16                 |

| Well  |                  | Elevation                | Water Level    | Water Level            |
|-------|------------------|--------------------------|----------------|------------------------|
| I.D.  | Date             | TOC<br>(ft NGVD)         | (ft btoc)      | Elevation<br>(ft NGVD) |
|       |                  | (ft NGVD)<br>SURFICIAL Z |                | (ft NGVD)              |
|       | May-97           | SORTOINE 2               | 43.86          | 38.48                  |
| 1     | Sep-97           |                          | 43.87          | 38.47                  |
|       | Nov-97           |                          | NM             | NM                     |
|       | May-98           |                          | 42.60          | 39.74                  |
|       | Nov-98<br>May-99 |                          | 42.32<br>45.66 | 40.02<br>36.68         |
|       | Nov-99           |                          | 46.65          | 35.69                  |
|       | May-00           |                          | 49.45          | 32.89                  |
|       | Nov-00           |                          | 50.98          | 31.36                  |
|       | May-01           |                          | 51.58          | 30.76                  |
|       | Nov-01<br>May-02 |                          | 52.09<br>53.45 | 30.25<br>28.89         |
|       | Nov-02           |                          | 51.73          | 30.61                  |
|       | May-03           |                          | NM             | NM                     |
|       | Jan-04           |                          | 46.17          | 36.17                  |
|       | May-04<br>Nov-04 |                          | 46.71<br>44.94 | 35.63<br>37.40         |
|       | May-05           |                          | 38.01          | 44.33                  |
| AC-5S | Nov-05           | 82.34                    | 36.86          | 45.48                  |
| AC-55 | May-06           | 02.34                    | 39.01          | 43.33                  |
| 1     | Nov-06           |                          | 42.38          | 39.96                  |
|       | May-07<br>Nov-07 |                          | 44.83<br>45.34 | 37.51<br>37.00         |
| 1     | May-08           |                          | 45.34          | 37.48                  |
| 1     | Nov-08           |                          | 45.49          | 36.85                  |
| 1     | Nov-09           |                          | 44.35          | 37.99                  |
|       | Nov-10           |                          | 38.33          | 44.01                  |
|       | Nov-11<br>Nov-12 |                          | 42.20<br>40.62 | 40.14<br>41.72         |
|       | Nov-12<br>Nov-13 |                          | 40.02          | 41.29                  |
|       | Nov-14           |                          | 36.75          | 45.59                  |
|       | Nov-15           |                          | 39.77          | 42.57                  |
|       | Nov-16           |                          | 39.15          | 43.19                  |
|       | Nov-17<br>Nov-18 |                          | 35.78<br>38.54 | 46.56<br>43.80         |
|       | Nov-19           |                          | 40.57          | 41.77                  |
|       | Nov-20           |                          | 38.86          | 43.48                  |
|       | Nov-21           |                          | 33.07          | 49.27                  |
|       | May-97<br>Sep-97 |                          | NM<br>43.97    | NM<br>25.35            |
|       | Nov-97           |                          | +3.37<br>NM    | NM                     |
|       | May-98           |                          | NM             | NM                     |
|       | Nov-98           |                          | NM             | NM                     |
|       | May-99           |                          | NM<br>14.75    | NM<br>04.57            |
|       | Nov-99<br>May-00 |                          | 44.75<br>NM    | 24.57<br>NM            |
|       | Nov-00           |                          | 47.75          | 21.57                  |
|       | May-01           |                          | NM             | NM                     |
| 1     | Nov-01           |                          | 48.10          | 21.22                  |
| 1     | May-02           |                          | NM<br>10.05    | NM<br>01.07            |
| 1     | Nov-02<br>May-03 |                          | 48.25<br>NM    | 21.07<br>NM            |
| 1     | Jan-04           |                          | 41.81          | 27.51                  |
| 1     | May-04           |                          | NM             | NM                     |
| 1     | Nov-04           |                          | 41.10          | 28.22                  |
| 1     | May-05           |                          | NM<br>34.63    | NM<br>34.69            |
| AC-6S | Nov-05<br>May-06 | 69.32                    | 34.63<br>NM    | 34.69<br>NM            |
| 1     | Nov-06           |                          | 39.56          | 29.76                  |
| 1     | May-07           |                          | NM             | NM                     |
| 1     | Nov-07           |                          | 42.32          | 27.00                  |
| 1     | May-08<br>Nov-08 |                          | NM<br>41.17    | NM<br>28.15            |
| 1     | Nov-09           |                          | 40.47          | 28.85                  |
| 1     | Nov-10           |                          | 35.84          | 33.48                  |
| 1     | Nov-11           |                          | 39.58          | 29.74                  |
| 1     | Nov-12           |                          | 38.10          | 31.22                  |
| 1     | Nov-13           |                          | 37.59          | 31.73                  |
|       | Nov-14<br>Nov-15 |                          | 34.78<br>37.31 | 34.54<br>32.01         |
| 1     | Nov-16           |                          | 36.08          | 33.24                  |
| 1     | Nov-17           |                          | 33.75          | 35.57                  |
| 1     | Nov-18           |                          | 36.01          | 33.31                  |
| 1     | Nov-19           |                          | 37.62          | 31.70                  |
| 1     | Nov-20<br>Nov-21 |                          | 35.58<br>30.70 | 33.74<br>38.62         |
| L     | 1107-21          |                          | 30.70          | JU.UZ                  |

| Well   | Date             | Elevation<br>TOC | Water Level    | Water Level<br>Elevation |
|--------|------------------|------------------|----------------|--------------------------|
| I.D.   |                  | (ft NGVD)        | (ft btoc)      | (ft NGVD)                |
|        |                  | SURFICIAL Z      |                |                          |
|        | May-97           |                  | 52.58          | 38.01                    |
|        | Sep-97<br>Nov-97 |                  | NM<br>53.29    | NM<br>37.30              |
|        | May-98           |                  | 51.04          | 39.55                    |
|        | Nov-98           |                  | 51.05          | 39.54                    |
|        | May-99           |                  | 54.11          | 36.48                    |
|        | Nov-99<br>May-00 |                  | 54.76<br>57.93 | 35.83<br>32.66           |
|        | Nov-00           |                  | 59.70          | 30.89                    |
|        | May-01           |                  | 60.38          | 30.21                    |
|        | Nov-01           |                  | 60.90          | 29.69                    |
|        | May-02<br>Nov-02 |                  | 62.35          | 28.24                    |
|        | May-03           |                  | 61.09<br>59.64 | 29.50<br>30.95           |
|        | Jan-04           |                  | 54.99          | 35.60                    |
|        | May-04           |                  | 55.55          | 35.04                    |
|        | Nov-04           |                  | 53.70          | 36.89                    |
|        | May-05<br>Nov-05 |                  | 47.23<br>45.68 | 43.36<br>44.91           |
| AC-7SR | May-06           | 90.59            | 48.27          | 42.32                    |
|        | Nov-06           |                  | 51.46          | 39.13                    |
|        | May-07           |                  | 54.04          | 36.55                    |
|        | Nov-07           |                  | 55.04          | 35.55                    |
|        | May-08<br>Nov-08 |                  | 54.09<br>54.75 | 36.50<br>35.84           |
|        | Nov-09           |                  | 53.81          | 36.78                    |
|        | Nov-10           |                  | 47.79          | 42.80                    |
|        | Nov-11           |                  | 47.79          | 42.80                    |
|        | Nov-12<br>Nov-13 |                  | 49.71<br>50.23 | 40.88<br>40.36           |
|        | Nov-14           |                  | 45.79          | 44.80                    |
|        | Nov-15           |                  | 49.55          | 41.04                    |
|        | Nov-16           |                  | 48.61          | 41.98                    |
|        | Nov-17<br>Nov-18 |                  | 45.49          | 45.10<br>43.03           |
|        | Nov-19           |                  | 47.56<br>50.00 | 40.59                    |
|        | Nov-20           |                  | 48.33          | 42.26                    |
|        | Nov-21           |                  | 42.90          | 47.69                    |
|        | May-97<br>Sep-97 |                  | NM<br>57.32    | NM<br>22.18              |
|        | Nov-97           |                  | NM             | NM                       |
|        | May-98           |                  | NM             | NM                       |
|        | Nov-98           |                  | NM             | NM                       |
|        | May-99<br>Nov-99 |                  | NM<br>59.29    | NM<br>20.21              |
|        | May-00           |                  |                | NM                       |
|        | Nov-00           |                  | 62.81          | 16.69                    |
|        | May-01           |                  | NM             | NM                       |
|        | Nov-01<br>May 02 |                  | 63.35<br>NM    | 16.15<br>NM              |
|        | May-02<br>Nov-02 |                  | 63.86          | 15.64                    |
|        | May-03           |                  | NM             | NM                       |
|        | Jan-04           |                  | 57.97          | 21.53                    |
|        | May-04           |                  | NM             | NM                       |
|        | Nov-04<br>May-05 |                  | NM<br>NM       | NM<br>NM                 |
| 40.040 | Nov-05           | 30.50            | 51.10          | 28.40                    |
| AC-24S | May-06           | 79.50            | NM             | NM                       |
|        | Nov-06           |                  | 56.82          | 22.68                    |
|        | May-07<br>Nov-07 |                  | NM<br>59.45    | NM<br>20.05              |
|        | May-08           |                  | NM             | 20.05                    |
|        | Nov-08           |                  | 59.19          | 20.31                    |
|        | Nov-09           |                  | 57.75          | 21.75                    |
|        | Nov-10<br>Nov-11 |                  | 57.86          | 21.64                    |
|        | Nov-11<br>Nov-12 |                  | 57.08<br>54.74 | 22.42<br>24.76           |
|        | Nov-13           |                  | 54.86          | 24.64                    |
|        | Nov-14           |                  | 51.68          | 27.82                    |
|        | Nov-15           |                  | 55.72<br>CNI * | 23.78<br>CNI *           |
|        | Nov-16<br>Nov-17 |                  | CNL*<br>CNL*   | CNL*<br>CNL*             |
|        | Nov-18           |                  | 51.59          | 27.91                    |
|        | Nov-19           |                  | 55.45          | 24.05                    |
|        | Nov-20           |                  | 52.97          | 26.53                    |
|        | Nov-21           |                  | 47.79          | 31.71                    |

| May-97         SURFICIAL ZONE           May-97         19.62           Nov-97         NM           May-93         NM           May-99         NM           Nov-98         NM           May-00         NM           Nov-01         20.36           May-02         NM           Nov-01         20.88           May-02         NM           Nov-02         NM           May-04         NM           May-05         26.75           May-06         NM           Nov-07         19.54           May-08         NM  | (ft NGVD)<br>NM<br>7.13<br>NM<br>NM<br>NM<br>NM<br>6.39<br>NM<br>6.01<br>NM<br>6.01<br>NM<br>6.01<br>NM<br>6.17<br>NM<br>6.17<br>NM<br>6.17<br>NM<br>6.17<br>NM<br>6.39<br>NM<br>6.46<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.39<br>NM<br>7.15<br>NM<br>7.15<br>NM<br>7.21 |
|---|---|
| May-97         NM           Sep-97         19.62           Nov-97         NM           May-98         NM           Nov-98         NM           May-99         NM           May-90         NM           Nov-91         20.36           May-02         NM           Nov-01         20.88           May-02         NM           Nov-01         20.88           May-02         NM           May-03         20.04           Jan-04         NM           Nov-05         26.75           May-06         NM           Nov-05         18.29           May-06         NM           Nov-07         19.54 | 7.13<br>NM<br>NM<br>NM<br>6.39<br>NM<br>6.01<br>NM<br>6.01<br>NM<br>6.71<br>NM<br>6.71<br>NM<br>6.71<br>NM<br>8.46<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| Sep-97         19.62           Nov-97         NM           May-98         NM           Nov-99         NM           May-99         NM           Nov-99         20.36           May-00         NM           Nov-01         20.74           May-02         NM           Nov-04         20.74           May-02         NM           Nov-04         20.88           May-02         NM           Nov-04         20.04           May-05         NM           May-06         NM           Nov-05         26.75           May-06         NM           Nov-07         19.54                             | 7.13<br>NM<br>NM<br>NM<br>6.39<br>NM<br>6.01<br>NM<br>6.01<br>NM<br>6.71<br>NM<br>6.71<br>NM<br>6.71<br>NM<br>8.46<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| Nov-97         NM           May-98         NM           May-99         NM           May-00         NM           Nov-01         20.36           May-02         NM           May-03         NM           May-04         NM           Nov-05         26.75           May-06         NM           Nov-07         19.54                | NM           NM           NM           NM           6.39           NM           6.01           NM           6.17           NM           6.17           NM           6.71           NM           8.46           NM           7.15           NM   |
| Nov-98         NM           May-99         NM           Nov-99         20.36           May-00         NM           Nov-00         20.74           May-01         NM           Nov-02         20.38           May-03         NM           Jan-04         NM           Nov-05         26.75           May-06         NM           May-07         NM           Nov-07         19.54  | NM           NM           6.39           NM           6.01           NM           5.87           NM           6.17           NM           6.71           NM           6.71           NM           8.46           NM           7.15           NM   |
| May-99         NM           Nov-99         20.36           May-00         NM           Nov-00         20.74           May-01         NM           Nov-02         20.88           May-02         NM           Nov-02         20.58           May-03         NM           Nov-04         20.04           May-05         NM           May-05         18.29           May-06         NM           Nov-05         26.75           May-06         NM           Nov-07         19.54   | NM           6.39           NM           6.01           NM           5.87           NM           6.17           NM           6.71           NM           6.73           NM           8.46           NM           7.15           NM  |
| Nov-99         20.36           May-00         NM           Nov-01         20.74           May-01         NM           Nov-01         20.88           May-02         NM           Nov-02         20.58           May-03         NM           Jan-04         20.04           May-05         19.36           May-06         NM           Nov-05         18.29           May-07         NM           Nov-07         19.54   | 6.39<br>NM<br>6.01<br>NM<br>5.87<br>NM<br>6.17<br>NM<br>6.71<br>NM<br>7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| May-00         NM           Nov-00         20.74           May-01         NM           Nov-01         20.88           May-02         NM           May-03         NM           Jan-04         20.04           May-05         NM           May-05         NM           May-06         NM           May-07         19.54   | NM           6.01           NM           5.87           NM           6.17           NM           6.71           NM           6.71           NM           8.46           NM           7.15           NM  |
| Nov-00         20.74           May-01         NM           Nov-02         20.88           May-03         20.58           Jan-04         NM           Nov-05         20.04           May-05         NM           May-06         NM           May-07         19.54  | 6.01<br>NM<br>5.87<br>NM<br>6.17<br>NM<br>6.71<br>NM<br>7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| May-01         NM           Nov-01         20.88           May-02         NM           Nov-02         20.58           May-03         NM           Jan-04         20.04           May-05         20.04           Nov-05         18.29           May-06         NM           Nov-05         19.60           May-07         NM   | NM           5.87           NM           6.17           NM           6.71           NM           7.39           NM           8.46           NM           7.15           NM  |
| Nov-01         20.88           May-02         NM           Nov-02         20.58           May-03         NM           Jan-04         20.04           May-05         NM           May-05         NM           May-06         NM           May-06         NM           May-06         NM           May-06         NM           May-06         NM           May-06         NM           Nov-06         19.60           May-07         NM           Nov-07         19.54  | 5.87<br>NM<br>6.17<br>NM<br>6.71<br>NM<br>7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| Nov-02         20.58           May-03         NM           Jan-04         20.04           May-04         NM           Nov-05         19.36           May-05         NM           May-06         NM           Nov-06         19.60           May-07         NM           Nov-07         19.54  | 6.17<br>NM<br>6.71<br>NM<br>7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| May-03         NM           Jan-04         20.04           May-04         NM           Nov-04         19.36           May-05         NM           May-06         NM           May-06         NM           May-06         19.36           May-06         NM           May-06         19.60           May-07         NM           Nov-07         19.54  | NM           6.71           NM           7.39           NM           8.46           NM           7.15           NM  |
| Jan-04         20.04           May-04         NM           Nov-04         19.36           May-05         NM           May-06         NM           Mov-06         18.29           May-07         NM           Nov-07         19.54   | 6.71<br>NM<br>7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| May-04         NM           Nov-04         19.36           May-05         NM           May-06         NM           Nov-06         19.29           May-06         NM           May-06         NM           Nov-06         19.60           May-07         NM           Nov-07         19.54   | NM           7.39           NM           8.46           NM           7.15           NM  |
| Nov-04         19.36           May-05         NM           Mov-05         26.75           May-06         NM           Nov-06         19.60           May-07         NM           Nov-07         19.54   | 7.39<br>NM<br>8.46<br>NM<br>7.15<br>NM  |
| May-05         NM           Nov-05         26.75         18.29           May-06         NM         19.60           May-07         NM         19.54  | NM<br>8.46<br>NM<br>7.15<br>NM  |
| AC-26S Nov-05 26.75 18.29 18.29 NM 19.06 19.60 19.60 19.54  | 8.46<br>NM<br>7.15<br>NM  |
| May-06         NM           Nov-06         19.60           May-07         NM           Nov-07         19.54   | NM<br>7.15<br>NM  |
| Nov-06         19.60           May-07         NM           Nov-07         19.54   | 7.15<br>NM  |
| May-07 NM<br>Nov-07 19.54   | NM  |
| Nov-07 19.54  | 7.21  |
| May-08 NM   |   |
|   | NM  |
| Nov-08 19.61  | 7.14  |
| Nov-09 17.99  | 8.76  |
| Nov-10 18.26<br>Nov-11 19.80  | 8.49<br>6.95  |
| Nov-12 19.12  | 7.63  |
| Nov-13 18.82  | 7.93  |
| Nov-14 18.52  | 8.23  |
| Nov-15 17.95  | 8.80  |
| Nov-16 18.23  | 8.52  |
| Nov-17 17.35  | 9.40  |
| Nov-18 17.21  | 9.54  |
| Nov-19 Well Destroyed*<br>Nov-20 Well Destroyed*  |   |
| Nov-21 Well Destroyed*  |   |
| May-97 NM   | NM  |
| Sep-97 13.94  | 4.56  |
| Nov-97 NM   | NM  |
| May-98 NM   | NM  |
| Nov-98 NM   | NM  |
| May-99 NM<br>Nov-99 14.52   | NM<br>2.08  |
| Nov-99 14.52<br>May-00 NM   | 3.98<br>NM  |
| Nov-00 15.24  | 3.26  |
| May-01 NM   | NM  |
| Nov-01 15.53  | 2.97  |
| May-02 NM   | NM  |
| Nov-02 15.24  | 3.26  |
| May-03 NM   | NM  |
| Jan-04 14.55<br>May-04 NM   | 3.95<br>NM  |
| Nov-04 13.75  | 4.75  |
| May-05 NM   | NM  |
| Nov-05 12.63  | 5.87  |
| AC-27S May-06 18.50 NM  | NM  |
| Nov-06 14.19  | 4.31  |
| May-07 NM   | NM  |
| Nov-07 13.98  | 4.52  |
| May-08 NM   | NM<br>4.52  |
| Nov-08 13.98<br>Nov-09 11.78  | 4.52<br>6.72  |
| Nov-09 11.78 12.77  | 5.73  |
| Nov-10 12.17<br>Nov-11 14.09  | 4.41  |
| Nov-12 13.43  | 5.07  |
| Nov-13 13.63  | 4.87  |
| Nov-14 12.89  | 5.61  |
| Nov-15 12.32  | 6.18  |
| Nov-16 12.09  | 6.41  |
| Nov-17 11.42  | 7.08  |
| Nov-18         11.36           Nov-19         12.42   | 7.14<br>6.08  |
| Nov-19 12.42<br>Nov-20 10.84  | 7.66  |
| Nov-20 9.50   | 9.00  |

| Well   |                  | Elevation        | Water Level    | Water Level            |
|--------|------------------|------------------|----------------|------------------------|
| I.D.   | Date             | TOC<br>(ft NGVD) | (ft btoc)      | Elevation<br>(ft NGVD) |
|        |                  | SURFICIAL Z      | ONE            | (ILINGVD)              |
|        | May-97           | JUNITOIAL 2      | 50.54          | 38.64                  |
|        | Sep-97           |                  | NM             | NM                     |
|        | Nov-97           |                  | 51.25          | 37.93                  |
|        | May-98           |                  | 48.93          | 40.25                  |
|        | Nov-98<br>May-99 |                  | 48.86<br>52.12 | 40.32<br>37.06         |
|        | Nov-99           |                  | 52.80          | 36.38                  |
|        | May-00           |                  | 55.96          | 33.22                  |
|        | Nov-00           | 89.18            | 57.66          | 31.52                  |
|        | May-01           |                  | 58.32          | 30.86                  |
|        | Nov-01<br>May-02 |                  | 58.90<br>60.43 | 30.28<br>28.75         |
|        | Nov-02           |                  | 58.71          | 30.47                  |
|        | May-03           |                  | 57.60          | 31.58                  |
|        | Jan-04           |                  | 52.97          | 36.21                  |
|        | May-04<br>Nov-04 |                  | 53.56<br>51.60 | 35.62<br>37.58         |
|        | May-05           |                  | 45.37          | 43.81                  |
| AC-33S | Nov-05           |                  | 43.65          | 45.53                  |
| AC-333 | May-06           |                  | 46.42          | 42.76                  |
|        | Nov-06           |                  | 49.59          | 39.59                  |
|        | May-07<br>Nov-07 |                  | 52.17<br>52.89 | 37.01<br>36.29         |
|        | May-08           |                  | 52.12          | 37.06                  |
|        | Nov-08           |                  | 52.80          | 36.38                  |
|        | Nov-09           |                  | 51.79          | 37.39                  |
|        | Nov-10           |                  | 45.88          | 43.30                  |
|        | Nov-11<br>Nov-12 |                  | 45.88<br>47.70 | 43.30<br>41.48         |
|        | Nov-12           |                  | 48.30          | 40.88                  |
|        | Nov-14           |                  | 43.95          | 45.23                  |
|        | Nov-15           |                  | 47.62          | 41.56                  |
|        | Nov-16<br>Nov-17 |                  | 46.83<br>43.56 | 42.35<br>45.62         |
|        | Nov-18           |                  | 45.55          | 43.63                  |
|        | Nov-19           |                  | 48.25          | 40.93                  |
|        | Nov-20           |                  | 49.25          | 39.93                  |
|        | Nov-21<br>May-97 |                  | 40.74<br>51.35 | 48.44<br>37.74         |
|        | Sep-97           |                  | NM             | NM                     |
|        | Nov-97           |                  | 52.09          | 37.00                  |
|        | May-98           |                  | 49.89          | 39.20                  |
|        | Nov-98<br>May-99 |                  | 49.93<br>52.91 | 39.16<br>36.18         |
|        | Nov-99           |                  | 53.62          | 35.47                  |
|        | May-00           | 89.09            | 56.63          | 32.46                  |
|        | Nov-00           |                  | 58.46          | 30.63                  |
|        | May-01           |                  | 59.20          | 29.89                  |
|        | Nov-01<br>May-02 |                  | 59.73<br>61.13 | 29.36<br>27.96         |
|        | Nov-02           |                  | 60.01          | 29.08                  |
|        | May-03           |                  | 58.45          | 30.64                  |
|        | Jan-04           |                  | 53.74          | 35.35                  |
|        | May-04<br>Nov-04 |                  | 54.27<br>52.48 | 34.82<br>36.61         |
|        | May-05           |                  | 46.18          | 42.91                  |
| AC-246 | Nov-05           |                  | 44.42          | 44.67                  |
| AC-34S | May-06           |                  | 46.90          | 42.19                  |
|        | Nov-06<br>May-07 |                  | 52.69          | 38.95<br>36.40         |
|        | May-07<br>Nov-07 |                  | 52.69<br>53.47 | 35.62                  |
|        | May-08           |                  | 52.77          | 36.32                  |
|        | Nov-08           |                  | 53.34          | 35.75                  |
|        | Nov-09           |                  | 52.41          | 36.68                  |
|        | Nov-10<br>Nov-11 |                  | 46.39<br>46.39 | 42.70<br>42.70         |
|        | Nov-11<br>Nov-12 |                  | 46.39          | 42.70                  |
|        | Nov-12           |                  | 48.92          | 40.17                  |
|        | Nov-14           |                  | 44.44          | 44.65                  |
|        | Nov-15           |                  | 48.06          | 41.03                  |
|        | Nov-16<br>Nov-17 |                  | 47.21<br>44.06 | 41.88<br>45.03         |
|        | Nov-17<br>Nov-18 |                  | 44.06          | 45.03                  |
|        | Nov-19           |                  | 48.58          | 40.51                  |
|        | Nov-20           |                  | 47.01          | 42.08                  |
|        | Nov-21           |                  | 41.47          | 47.62                  |

| Well<br>I.D. | Date             | Elevation<br>TOC<br>(ft NGVD) | Water Level<br>(ft btoc) | Water Level<br>Elevation<br>(ft NGVD) |
|--------------|------------------|-------------------------------|--------------------------|---------------------------------------|
|              |                  | SURFICIAL 2                   | ONE                      | (((1015)                              |
|              | May-97           |                               | NM                       | NM                                    |
|              | Sep-97           | 77.53                         | 39.75                    | 37.78                                 |
|              | Nov-97           |                               | NM                       | NM                                    |
|              | May-98           |                               | NM                       | NM                                    |
|              | Nov-98           |                               | NM                       | NM                                    |
|              | May-99           |                               | NM                       | NM                                    |
|              | Nov-99<br>May-00 |                               | 41.72<br>NM              | 35.81<br>NM                           |
|              | Nov-00           |                               | 45.82                    | 31.71                                 |
|              | May-01           |                               | 43.02<br>NM              | NM                                    |
|              | Nov-01           |                               | 46.77                    | 30.76                                 |
|              | May-02           |                               | NM                       | NM                                    |
|              | Nov-02           |                               | 47.15                    | 30.38                                 |
|              | May-03           |                               | NM                       | NM                                    |
|              | Jan-04           |                               | 45.67                    | 31.86                                 |
|              | May-04           |                               | NM                       | NM                                    |
|              | Nov-04           |                               | 44.49                    | 33.04                                 |
|              | May-05           |                               | NM                       | NM                                    |
| NWD-2S       | Nov-05           |                               | 37.09                    | 40.44                                 |
|              | May-06           |                               | NM<br>42.60              | NM 24.02                              |
|              | Nov-06<br>May-07 |                               | 42.60<br>NM              | 34.93<br>NM                           |
|              | Nov-07           |                               | 46.25                    | 31.28                                 |
|              | May-08           |                               | 40.23<br>NM              | NM                                    |
|              | Nov-08           |                               | 45.55                    | 31.98                                 |
|              | Nov-09           |                               | 44.70                    | 32.83                                 |
|              | Nov-10           |                               | 38.84                    | 38.69                                 |
|              | Nov-11           |                               | 42.82                    | 34.71                                 |
|              | Nov-12           |                               | NM                       | NM                                    |
|              | Nov-13           |                               | 41.32                    | 36.21                                 |
|              | Nov-14           |                               | 37.36                    | 40.17                                 |
|              | Nov-15           |                               | 41.01                    | 36.52                                 |
|              | Nov-16           |                               | 39.45                    | 38.08                                 |
|              | Nov-17           |                               | 36.72                    | 40.81                                 |
|              | Nov-18           |                               | 45.05<br>41.15           | 32.48                                 |
|              | Nov-19<br>Nov-20 |                               | 39.41                    | 36.38<br>38.12                        |
|              | Nov-20           |                               | 33.83                    | 43.70                                 |
|              | May-97           | 34.70                         | NM                       | NM                                    |
|              | Sep-97           |                               | 19.33                    | 15.37                                 |
|              | Nov-97           |                               | NM                       | NM                                    |
|              | May-98           |                               | NM                       | NM                                    |
|              | Nov-98           |                               | NM                       | NM                                    |
|              | May-99           |                               | NM                       | NM                                    |
|              | Nov-99           |                               | 20.68                    | 14.02                                 |
|              | May-00           |                               | NM                       | NM                                    |
|              | Nov-00           |                               | 22.21                    | 12.49                                 |
|              | May-01<br>Nov-01 |                               | NM<br>22.58              | NM<br>12.12                           |
|              | Nov-01<br>May-02 |                               | 22.58<br>NM              | 12.12<br>NM                           |
|              | Nov-02           |                               | 21.89                    | 12.81                                 |
|              | May-03           |                               | NM                       | NM                                    |
|              | Jan-04           |                               | 20.16                    | 14.54                                 |
|              | May-04           |                               | NM                       | NM                                    |
|              | Nov-04           |                               | NM                       | NM                                    |
|              | May-05           |                               | NM                       | NM                                    |
| NWD-4S       | Nov-05           |                               | 16.59                    | 18.11                                 |
|              | May-06           |                               | NM<br>10.02              | NM                                    |
|              | Nov-06<br>May-07 |                               | 19.92<br>NM              | 14.78<br>NM                           |
|              | Nov-07           |                               | 20.22                    | 14.48                                 |
|              | May-08           |                               | NM                       | NM                                    |
|              | Nov-08           |                               | 16.59                    | 18.11                                 |
|              | Nov-09           |                               | 18.59                    | 16.11                                 |
|              | Nov-10           |                               | 17.17                    | 17.53                                 |
|              | Nov-11           |                               | 19.48                    | 15.22                                 |
|              | Nov-12           |                               | 17.96                    | 16.74                                 |
|              | Nov-13           |                               | 17.93                    | 16.77                                 |
|              | Nov-14           |                               | 16.61                    | 18.09                                 |
|              | Nov-15<br>Nov-16 |                               | 17.37<br>17.76           | 17.33<br>16.94                        |
|              | Nov-16<br>Nov-17 |                               | 15.54                    | 19.16                                 |
|              | Nov-18           |                               | 16.82                    | 17.88                                 |
|              | Nov-19           |                               | 18.43                    | 16.27                                 |
|              | Nov-20           |                               | 16.51                    | 18.19                                 |
|              | 1107-20          |                               |                          |                                       |

## Agrico Site Pensacola, Florida

| Well<br>I.D. | Date             | Elevation<br>TOC<br>(ft NGVD) | Water Level<br>(ft btoc) | Water Level<br>Elevation<br>(ft NGVD) |
|--------------|------------------|-------------------------------|--------------------------|---------------------------------------|
|              |                  | SURFICIAL Z                   | ONE                      | (((1015)                              |
|              | May-97           |                               | 50.26                    | 41.66                                 |
|              | Sep-97           |                               | NM                       | NM                                    |
|              | Nov-97           |                               | 51.22                    | 40.70                                 |
|              | May-98           |                               | 48.78                    | 43.14                                 |
|              | Nov-98           |                               | 48.50                    | 43.42                                 |
|              | May-99           |                               | 51.84                    | 40.08                                 |
|              | Nov-99           |                               | 52.74                    | 39.18                                 |
|              | May-00<br>Nov-00 |                               | 55.84<br>57.22           | 36.08<br>34.70                        |
|              | May-01           |                               | 57.94                    | 33.98                                 |
|              | Nov-01           |                               | 58.53                    | 33.39                                 |
|              | May-02           |                               | 60.31                    | 31.61                                 |
|              | Nov-02           |                               | 57.38                    | 34.54                                 |
|              | May-03           |                               | 57.36                    | 34.56                                 |
|              | Jan-04           |                               | 53.11                    | 38.81                                 |
|              | May-04           |                               | 53.62                    | 38.30                                 |
|              | Nov-04<br>May-05 |                               | 51.34<br>43.27           | 40.58<br>48.65                        |
|              | Nov-05           |                               | 43.34                    | 48.58                                 |
| ACB-31S      | May-06           | 91.92                         | 46.50                    | 45.42                                 |
|              | Nov-06           |                               | 49.48                    | 42.44                                 |
|              | May-07           |                               | 52.25                    | 39.67                                 |
|              | Nov-07           |                               | 50.98                    | 40.94                                 |
|              | May-08           |                               | 52.11                    | 39.81                                 |
|              | Nov-08           |                               | 52.37                    | 39.55                                 |
|              | Nov-09           |                               | 51.14                    | 40.78                                 |
|              | Nov-10<br>Nov-11 |                               | 45.76<br>45.76           | 46.16<br>46.16                        |
|              | Nov-12           |                               | 47.70                    | 44.22                                 |
|              | Nov-12           |                               | 48.28                    | 43.64                                 |
|              | Nov-14           |                               | 44.00                    | 47.92                                 |
|              | Nov-15           |                               | 46.38                    | 45.54                                 |
|              | Nov-16           |                               | 47.14                    | 44.78                                 |
|              | Nov-17           |                               | 43.18                    | 48.74                                 |
|              | Nov-18           |                               | 45.31                    | 46.61                                 |
|              | Nov-19<br>Nov-20 |                               | 48.36<br>45.83           | 43.56<br>46.09                        |
|              | Nov-20           |                               | 39.73                    | 52.19                                 |
|              | May-97           |                               | 48.11                    | 40.05                                 |
|              | Sep-97           |                               | NM                       | NM                                    |
|              | Nov-97           |                               | 48.92                    | 39.24                                 |
|              | May-98           |                               | 46.60                    | 41.56                                 |
|              | Nov-98           |                               | 46.52                    | 41.64                                 |
|              | May-99           |                               | 49.84                    | 38.32                                 |
|              | Nov-99           |                               | 50.62                    | 37.54                                 |
|              | May-00<br>Nov-00 |                               | 53.71<br>55.41           | 34.45                                 |
|              | May-01           |                               | 56.18                    | 32.75<br>31.98                        |
|              | Nov-01           |                               | 56.77                    | 31.39                                 |
|              | May-02           |                               | 58.30                    | 29.86                                 |
|              | Nov-02           |                               | 56.65                    | 31.51                                 |
|              | May-03           |                               | 55.49                    | 32.67                                 |
|              | Jan-04<br>May 04 |                               | 50.81                    | 37.35                                 |
|              | May-04<br>Nov-04 |                               | 51.26<br>49.25           | 36.90<br>38.91                        |
|              | May-05           |                               | 49.25                    | 47.03                                 |
| ACD 225      | Nov-05           | 99.16                         | 40.99                    | 47.17                                 |
| ACB-32S      | May-06           | 88.16                         | 43.50                    | 44.66                                 |
|              | Nov-06           |                               | 46.77                    | 41.39                                 |
|              | May-07           |                               | 49.56                    | 38.60                                 |
|              | Nov-07           |                               | 49.32                    | 38.84                                 |
|              | May-08<br>Nov-08 |                               | 49.64                    | 38.52                                 |
|              | Nov-08           |                               | 49.95<br>48.83           | 38.21<br>39.33                        |
|              | Nov-10           |                               | 40.03                    | 45.33                                 |
|              | Nov-11           |                               | 42.83                    | 45.33                                 |
|              | Nov-12           |                               | 45.18                    | 42.98                                 |
|              | Nov-13           |                               | 45.67                    | 42.49                                 |
|              | Nov-14           |                               | 41.20                    | 46.96                                 |
|              | Nov-15           |                               | 43.93                    | 44.23                                 |
| 1            | Nov-16<br>Nov-17 |                               | 44.11                    | 44.05<br>47.89                        |
|              | Nov-17<br>Nov-18 |                               | 40.27<br>42.67           | 47.89<br>45.49                        |
| 1            | Nov-19           |                               | 45.22                    | 42.94                                 |
|              | Nov-20           |                               | 43.42                    | 44.74                                 |
| 1            | Nov-21           |                               | 37.17                    | 50.99                                 |

NOTES:

NOTES: ft NGVD = feet above National Geodetic Vertical Datum of 1988. ft btoc = feet below top of casing. NM = Not measured CNL = could not locate \* AC-24S was not located during the November 2016 and 2017 sampling due to pavement blocking the area. \*\* AC-26S has been lost to City of Pensacola stormwater project construction efforts, and it has been removed from the monitoring well network.

| Sep-97         57.74         35.00           Nov-99         61.09         31.65           Nov-00         NMIN PRODUCING ZONE           Nov-01         63.02         29.72           Nov-02         62.53         30.21           Jan-04         57.36         35.38           Nov-05         49.02         43.72           Nov-06         57.49         35.25           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         53.03         39.71           Nov-13         53.03         39.71           Nov-16         51.76         40.92           Nov-17         48.57         44.17  |  |
|--|--|
| Sep-97         57.74         35.00           Nov-99         61.09         31.65           Nov-00         NM         NM           Nov-01         63.02         29.72           Nov-02         62.53         30.21           Jan-04         57.36         35.38           Nov-05         Nov-06         54.55           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         50.83         41.91           Nov-11         92.74         53.03         39.71           Nov-12         53.03         39.71         53.03         39.71           Nov-15         52.26         40.48         51.76         40.98 |  |
| Nov-99         61.09         31.65           Nov-00         NM         NM           Nov-01         63.02         29.72           Jan-04         63.02         29.72           Jan-04         57.36         35.38           Nov-05         49.02         43.72           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         50.83         41.91           Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-14         53.03         39.71           Nov-15         52.26         40.48           Nov-16         51.76         40.98                           |  |
| Nov-00         NM         NM           Nov-01         63.02         29.72           Nov-02         62.53         30.21           Jan-04         57.36         35.38           Nov-05         49.02         43.72           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         92.74         50.83         41.91           Nov-11         Nov-13         53.03         39.71           Nov-14         Nov-15         52.26         40.08           Nov-15         52.26         40.48         51.76         40.98  |  |
| Nov-01         63.02         29.72           Nov-02         62.53         30.21           Jan-04         57.36         35.38           Nov-05         49.02         43.72           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-09         52.65         40.09           Nov-10         92.74         53.03         39.71           Nov-11         49.11         43.63         53.03         39.71           Nov-12         53.03         39.71         53.03         39.71           Nov-15         52.26         40.48         51.76         40.98   |  |
| Jan-04         57.36         35.38           Nov-05         56.39         36.35           Nov-06         49.02         43.72           Nov-07         54.55         38.19           Nov-08         57.20         35.54           Nov-10         52.65         40.09           Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-15         52.26         40.08           Nov-15         52.26         40.49.8  |  |
| Nov-04         56.39         36.35           Nov-05         49.02         43.72           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         92.74         50.83         41.91           Nov-11         49.11         43.63         53.03         39.71           Nov-12         53.03         39.71         53.03         39.71           Nov-15         52.26         40.48         51.76         40.98   |  |
| Nov-05         49.02         43.72           Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-10         52.65         40.09           Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-14         49.20         43.54           Nov-09         52.65         40.09           52.265         40.09         50.83           Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-14         52.26         40.48           Nov-15         52.26         40.48           Nov-16         51.76         40.98                     |  |
| Nov-06         54.55         38.19           Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-09         92.74         52.65         40.09           Nov-11         49.11         43.63         53.03         39.71           Nov-12         53.03         39.71         53.03         39.71           Nov-15         52.26         40.49         49.20         43.54           Nov-16         51.76         40.98         51.76         40.98  |  |
| Nov-07         57.49         35.25           Nov-08         57.20         35.54           Nov-09         52.65         40.09           Nov-10         50.83         41.91           Nov-12         53.03         39.71           Nov-14         49.20         43.54           Nov-15         52.26         40.08           Nov-16         51.76         40.98  |  |
| Nov-08         57.20         35.54           Nov-09         92.74         52.65         40.09           Nov-10         92.74         50.83         41.91           Nov-11         49.11         43.63         53.03         39.71           Nov-12         53.03         39.71         53.03         39.71           Nov-15         52.26         40.48         51.76         40.98  |  |
| Nov-09         92.74         52.65         40.09           Nov-10         50.83         41.91           Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-13         53.03         39.71           Nov-14         49.20         43.54           Nov-15         52.26         40.48           Nov-16         51.76         40.98  |  |
| AC-2D Nov-10 92.74 50.83 41.91<br>Nov-11 49.11 43.63<br>Nov-12 53.03 39.71<br>Nov-13 53.03 39.71<br>Nov-14 49.20 43.54<br>Nov-15 52.26 40.48<br>Nov-16 51.76 40.98   |  |
| Nov-11         49.11         43.63           Nov-12         53.03         39.71           Nov-13         53.03         39.71           Nov-14         49.20         43.54           Nov-15         52.26         40.48           Nov-16         51.76         40.98  |  |
| Nov-12         53.03         39.71           Nov-13         53.03         39.71           Nov-14         49.20         43.54           Nov-15         52.26         40.48           Nov-16         51.76         40.98   |  |
| Nov-13         53.03         39.71           Nov-14         49.20         43.54           Nov-15         52.26         40.48           Nov-16         51.76         40.98  |  |
| Nov-14         49.20         43.54           Nov-15         52.26         40.48           Nov-16         51.76         40.98   |  |
| Nov-16 51.76 40.98   |  |
|  |  |
| Nov-17 48.57 44.17   |  |
|  |  |
| Nov-18 50.83 41.91   |  |
| Nov-19 53.05 39.69   |  |
| Nov-20 51.21 41.53   |  |
| Nov-21 45.74 47.00   |  |
| Sep-97         61.91         26.16           Nov-99         63.15         24.92  |  |
| Nov-99         63.15         24.92           Nov-00         66.42         21.65  |  |
| Nov-00 67.42 20.65   |  |
| Nov-02 67.09 20.98   |  |
| Jan-04 62.17 25.90   |  |
| Nov-04 61.35 26.72   |  |
| Nov-05 55.02 33.05   |  |
| Nov-06 59.95 28.12   |  |
| Nov-07 62.71 25.36   |  |
| Nov-08 62.17 25.90   |  |
| AC-3D Nov-09 88.07 60.78 27.29   |  |
| Nov-10 56.32 31.75   |  |
| Nov-11 60.06 28.01   |  |
| Nov-12         58.33         29.74           Nov-13         58.41         29.66  |  |
| Nov-14 54.90 33.17   |  |
| Nov-15 57.96 30.11   |  |
| Nov-16 57.03 31.04   |  |
| Nov-17 54.60 33.47   |  |
| Nov-18 56.18 31.89   |  |
| Nov-19 58.11 29.96   |  |
| Nov-20 56.60 31.47   |  |
| Nov-21 51.56 36.51   |  |
| Sep-97 50.16 32.24   |  |
| Nov-99 53.21 29.19   |  |
| Nov-00         54.83         27.57           Nov-01         57.58         24.82  |  |
| Nov-02 55.47 26.93   |  |
| Jan-04 50.67 31.73   |  |
| Nov-04 49.60 32.80   |  |
| Nov-05 44.83 37.57   |  |
| Nov-06 47.18 35.22   |  |
| Nov-07 51.22 31.18   |  |
| Nov-08 49.67 32.73   |  |
| AC-5D Nov-09 82.40 48.40 34.00   |  |
| Nov-10 43.27 39.13   |  |
| Nov-11 47.48 34.92   |  |
| Nov-12         47.24         35.16           Nov-13         46.90         35.50  |  |
| Nov-13         46.90         35.50           Nov-14         41.88         40.52  |  |
| Nov-15 45.43 36.97   |  |
| Nov-16 44.11 38.29   |  |
| Nov-17 41.32 41.08   |  |
| Nov-18 43.08 39.32   |  |
| Nov-19 45.22 37.18   |  |
| Nov-20 44.44 37.96   |  |
| Nov-21 37.90 44.50   |  |

| Well   |                  | Elevation        | Water Level    | Water Level            |
|--------|------------------|------------------|----------------|------------------------|
| I.D.   | Date             | TOC<br>(ft NGVD) | (ft btoc)      | Elevation<br>(ft NGVD) |
|        |                  | MAIN PRODUCING   | G ZONE         |                        |
|        | Sep-97           |                  | 55.72          | 13.47                  |
|        | Nov-99           |                  | 50.20          | 18.99                  |
|        | Nov-00<br>Nov-01 |                  | 52.26<br>53.43 | 16.93<br>15.76         |
|        | Nov-02           |                  | 51.26          | 17.93                  |
|        | Jan-04           |                  | 47.22          | 21.97                  |
|        | Nov-04           |                  | 42.26          | 26.93                  |
|        | Nov-05           |                  | 40.98          | 28.21                  |
|        | Nov-06<br>Nov-07 |                  | 45.13<br>47.60 | 24.06<br>21.59         |
|        | Nov-08           |                  | 46.76          | 22.43                  |
| AC-6D  | Nov-09           | 69.19            | 44.71          | 24.48                  |
| 10 00  | Nov-10           |                  | 40.76          | 28.43                  |
|        | Nov-11<br>Nov-12 |                  | 45.21          | 23.98                  |
|        | Nov-12<br>Nov-13 |                  | 43.92<br>43.74 | 25.27<br>25.45         |
|        | Nov-14           |                  | 41.25          | 27.94                  |
|        | Nov-15           |                  | 42.80          | 26.39                  |
|        | Nov-16           |                  | 42.37          | 26.82                  |
|        | Nov-17<br>Nov-18 | l.               | 40.00          | 29.19                  |
|        | Nov-18<br>Nov-19 | L.               | 43.18          | 1 - Damaged<br>26.01   |
|        | Nov-20           |                  | 41.21          | 27.98                  |
|        | Nov-21           |                  | 37.52          | 31.67                  |
|        | Sep-97           |                  | 66.97          | 9.47                   |
|        | Nov-99           |                  | 63.81          | 12.63                  |
|        | Nov-00<br>Nov-01 |                  | 65.67<br>65.88 | 10.77<br>10.56         |
|        | Nov-02           |                  | 65.29          | 11.15                  |
|        | Jan-04           |                  | 61.30          | 15.14                  |
|        | Nov-04           |                  | 59.91          | 16.53                  |
|        | Nov-05<br>Nov-06 |                  | 56.35<br>60.20 | 20.09<br>16.24         |
|        | Nov-07           |                  | 61.93          | 14.51                  |
|        | Nov-08           |                  | 61.33          | 15.11                  |
| AC-8D  | Nov-09           | 76.44            | 59.89          | 16.55                  |
|        | Nov-10<br>Nov-11 |                  | 57.41<br>60.63 | 19.03<br>15.81         |
|        | Nov-12           |                  | 59.26          | 17.18                  |
|        | Nov-13           |                  | 58.71          | 17.73                  |
|        | Nov-14           |                  | 57.05          | 19.39                  |
|        | Nov-15           |                  | 58.91          | 17.53                  |
|        | Nov-16<br>Nov-17 |                  | 57.62<br>55.71 | 18.82<br>20.73         |
|        | Nov-18           |                  | 57.22          | 19.22                  |
|        | Nov-19           |                  | 58.62          | 17.82                  |
|        | Nov-20           | l.               | 56.93          | 19.51                  |
|        | Nov-21           |                  | 53.16<br>55.27 | 23.28                  |
|        | Sep-97<br>Nov-99 | L.               | 55.27<br>55.39 | 8.86<br>8.74           |
|        | Nov-00           | ŀ                | 56.68          | 7.45                   |
|        | Nov-01           |                  | 57.01          | 7.12                   |
|        | Nov-02           | ļ.               | 56.87          | 7.26                   |
|        | Jan-04<br>Nov-04 | Ļ                | 54.56<br>54.02 | 9.57<br>10.11          |
|        | Nov-04           |                  | 54.02          | 12.76                  |
|        | Nov-06           |                  | 53.83          | 10.30                  |
|        | Nov-07           |                  | 54.73          | 9.40                   |
|        | Nov-08           | ļ                | 54.36          | 9.77                   |
| AC-9D2 | Nov-09<br>Nov-10 | 64.13            | 52.58<br>51.46 | 11.55<br>12.67         |
|        | Nov-10           |                  | 53.87          | 10.26                  |
|        | Nov-12           |                  | 52.88          | 11.25                  |
|        | Nov-13           |                  | 52.68          | 11.45                  |
|        | Nov-14<br>Nov-15 | Ļ                | 51.47<br>52.37 | 12.66<br>11.76         |
|        | Nov-15<br>Nov-16 |                  | 52.37          | 11.76                  |
|        | Nov-17           | ŀ                | 50.45          | 13.68                  |
|        | Nov-18           |                  | 51.31          | 12.82                  |
|        | Nov-19           |                  | 52.31          | 11.82                  |
|        | Nov-20<br>Nov-21 | ŀ                | 51.00<br>48.85 | 13.13<br>15.28         |
| L      | 1107-21          |                  | -0.00          | 10.20                  |

| Well<br>I.D. | Date             | Elevation<br>TOC<br>(ft NGVD) | Water Level<br>(ft btoc) | Water Level<br>Elevation<br>(ft NGVD) |
|--------------|------------------|-------------------------------|--------------------------|---------------------------------------|
|              |                  | MAIN PRODUCIN                 | G ZONE                   | (it iter b)                           |
|              | Sep-97           |                               | 70.39                    | 9.09                                  |
|              | Nov-99           |                               | 69.04                    | 10.44                                 |
|              | Nov-00           |                               | 70.67                    | 8.81                                  |
|              | Nov-01           |                               | 70.86                    | 8.62                                  |
|              | Nov-02<br>Jan-04 |                               | 70.53<br>67.28           | 8.95<br>12.20                         |
|              | Nov-04           |                               | 66.79                    | 12.69                                 |
|              | Nov-05           |                               | 63.20                    | 16.28                                 |
|              | Nov-06           |                               | 66.47                    | 13.01                                 |
|              | Nov-07           |                               | 67.72<br>67.24           | 11.76                                 |
|              | Nov-08<br>Nov-09 |                               | 65.67                    | 12.24<br>13.81                        |
| AC-10D       | Nov-10           | 79.48                         | 63.93                    | 15.55                                 |
|              | Nov-11           |                               | 66.79                    | 12.69                                 |
|              | Nov-12           |                               | 65.55                    | 13.93                                 |
|              | Nov-13           |                               | 65.13                    | 14.35                                 |
|              | Nov-14<br>Nov-15 |                               | 63.66<br>65.17           | 15.82<br>14.31                        |
|              | Nov-16           |                               | 64.12                    | 15.36                                 |
|              | Nov-17           |                               | 62.37                    | 17.11                                 |
|              | Nov-18           |                               | 63.68                    | 15.80                                 |
|              | Nov-19           |                               | 64.94                    | 14.54                                 |
|              | Nov-20           |                               | 63.24<br>CNL*            | 16.24<br>CNL*                         |
| <b> </b>     | Nov-21<br>Sep-97 |                               | 67.10                    | 6.07                                  |
|              | Nov-99           |                               | 66.69                    | 6.48                                  |
|              | Nov-00           |                               | 67.69                    | 5.48                                  |
|              | Nov-01           |                               | 67.72                    | 5.45                                  |
|              | Nov-02           |                               | 67.45                    | 5.72                                  |
|              | Jan-04<br>Nov-04 |                               | 65.01<br>64.58           | 8.16<br>8.59                          |
|              | Nov-04           |                               | 62.06                    | 11.11                                 |
|              | Nov-06           |                               | 64.73                    | 8.44                                  |
|              | Nov-07           |                               | 65.32                    | 7.85                                  |
|              | Nov-08           |                               | 65.03                    | 8.14                                  |
| AC-11D       | Nov-09<br>Nov-10 | 73.17                         | 63.38<br>62.65           | 9.79<br>10.52                         |
|              | Nov-10           |                               | 65.06                    | 8.11                                  |
|              | Nov-12           |                               | 64.01                    | 9.16                                  |
|              | Nov-13           |                               | 63.43                    | 9.74                                  |
|              | Nov-14           |                               | 62.44                    | 10.73                                 |
|              | Nov-15<br>Nov-16 |                               | 63.45<br>62.48           | 9.72<br>10.69                         |
|              | Nov-17           |                               | 61.00                    | 12.17                                 |
|              | Nov-18           |                               | 62.24                    | 10.93                                 |
|              | Nov-19           |                               | 63.28                    | 9.89                                  |
|              | Nov-20           |                               | 61.50                    | 11.67                                 |
|              | Nov-21           |                               | 58.95                    | 14.22                                 |
|              | Sep-97<br>Nov-99 |                               | 67.46<br>66.41           | 11.77<br>12.82                        |
|              | Nov-00           |                               | 68.29                    | 10.94                                 |
|              | Nov-01           |                               | 68.64                    | 10.59                                 |
|              | Nov-02           |                               | 68.38                    | 10.85                                 |
|              | Jan-04           |                               | 65.23                    | 14.00                                 |
|              | Nov-04<br>Nov-05 |                               | 64.78<br>60.25           | 14.45<br>18.98                        |
|              | Nov-06           |                               | 63.79                    | 15.44                                 |
|              | Nov-07           |                               | 65.29                    | 13.94                                 |
|              | Nov-08           |                               | 64.78                    | 14.45                                 |
| AC-12D       | Nov-09<br>Nov-10 | 79.23                         | 63.13                    | 16.10                                 |
|              | Nov-10<br>Nov-11 |                               | 60.87<br>63.93           | 18.36<br>15.30                        |
|              | Nov-12           |                               | 62.62                    | 16.61                                 |
|              | Nov-13           |                               | 62.35                    | 16.88                                 |
|              | Nov-14           |                               | 60.48                    | 18.75                                 |
|              | Nov-15           |                               | 62.35                    | 16.88                                 |
|              | Nov-16<br>Nov-17 |                               | 61.25<br>59.20           | 17.98<br>20.03                        |
|              | Nov-17           |                               | 60.75                    | 18.48                                 |
|              | Nov-19           |                               | 62.09                    | 17.14                                 |
|              | Nov-20           |                               | 60.39                    | 18.84                                 |
|              | Nov-21           |                               | 57.22                    | 22.01                                 |

| Well   | Date             | Elevation<br>TOC | Water Level                       | Water Level<br>Elevation |  |
|--------|------------------|------------------|-----------------------------------|--------------------------|--|
| I.D.   | Butt             | (ft NGVD)        | (ft btoc)                         | (ft NGVD)                |  |
|        | 1                | MAIN PRODUCINO   |                                   | Γ                        |  |
|        | Sep-97           |                  | 67.25                             | 7.40                     |  |
|        | Nov-99<br>Nov-00 |                  | 66.97<br>68.21                    | 7.68<br>6.44             |  |
|        | Nov-00           |                  | 68.43                             | 6.22                     |  |
|        | Nov-02           |                  | 68.23                             | 6.42                     |  |
|        | Jan-04           |                  | 65.99                             | 8.66                     |  |
|        | Nov-04           |                  | 65.44                             | 9.21                     |  |
|        | Nov-05           |                  | 63.01                             | 11.64<br>9.28            |  |
|        | Nov-06<br>Nov-07 |                  | 65.37<br>66.16                    | 8.49                     |  |
|        | Nov-08           |                  | 65.78                             | 8.87                     |  |
| AC-13D | Nov-09           | 74.65            | 63.87                             | 10.78                    |  |
| A0 105 | Nov-10           | 14.00            | 63.11                             | 11.54                    |  |
|        | Nov-11           |                  | 65.55                             | 9.10                     |  |
|        | Nov-12<br>Nov-13 |                  | 64.57<br>64.29                    | 10.08<br>10.36           |  |
|        | Nov-14           |                  | 63.24                             | 11.41                    |  |
|        | Nov-15           |                  | 64.01                             | 10.64                    |  |
|        | Nov-16           |                  | 63.35                             | 11.30                    |  |
|        | Nov-17           |                  | 61.98                             | 12.67                    |  |
|        | Nov-18           |                  | 62.91                             | 11.74                    |  |
|        | Nov-19<br>Nov-20 |                  | 63.88<br>62.44                    | 10.77<br>12.21           |  |
|        | Nov-20           |                  | 60.22                             | 14.43                    |  |
|        | Sep-97           |                  | 45.49                             | 4.30                     |  |
|        | Nov-99           |                  | 45.56                             | 4.23                     |  |
|        | Nov-00           |                  | 46.05                             | 3.74                     |  |
|        | Nov-01           |                  | 46.37                             | 3.42<br>3.66             |  |
|        | Nov-02<br>Jan-04 |                  | 46.13<br>44.91                    | 4.88                     |  |
|        | Nov-04           |                  | 44.30                             | 5.49                     |  |
|        | Nov-05           |                  | 42.88                             | 6.91                     |  |
|        | Nov-06           |                  | 44.52                             | 5.27                     |  |
|        | Nov-07           |                  | 44.59                             | 5.20                     |  |
|        | Nov-08<br>Nov-09 |                  | 44.45<br>42.57                    | 5.34<br>7.22             |  |
| AC-14D | Nov-10           | 49.79            | 42.73                             | 7.06                     |  |
|        | Nov-11           |                  | 44.63                             | 5.16                     |  |
|        | Nov-12           |                  | 43.93                             | 5.86                     |  |
|        | Nov-13           |                  | 43.57                             | 6.22                     |  |
|        | Nov-14<br>Nov-15 |                  | 43.16<br>43.03                    | 6.63<br>6.76             |  |
|        | Nov-16           |                  | 42.76                             | 7.03                     |  |
|        | Nov-17           |                  | 41.81                             | 7.98                     |  |
|        | Nov-18           |                  | We                                | II Destroyed**           |  |
|        | Nov-19           |                  |                                   | II Destroyed**           |  |
|        | Nov-20<br>Nov-21 |                  | Well Destroyed** Well Destroyed** |                          |  |
|        | Sep-97           |                  | 48.23                             | 27.24                    |  |
|        | Nov-99           |                  | 49.66                             | 25.81                    |  |
|        | Nov-00           |                  | 51.21                             | 24.26                    |  |
|        | Nov-01           |                  | 53.63                             | 21.84                    |  |
|        | Nov-02           |                  | 51.62                             | 23.85                    |  |
|        | Jan-04<br>Nov-04 |                  | 46.83<br>45.82                    | 28.64<br>29.65           |  |
|        | Nov-04           |                  | 40.22                             | 35.25                    |  |
|        | Nov-06           |                  | 43.75                             | 31.72                    |  |
|        | Nov-07           |                  | 60.11                             | 15.36                    |  |
|        | Nov-08           |                  | NM                                | NM                       |  |
| AC-21D | Nov-09<br>Nov-10 | 75.47            | 44.64<br>39.86                    | 30.83<br>35.61           |  |
|        | Nov-10<br>Nov-11 |                  | 44.03                             | 31.44                    |  |
|        | Nov-12           |                  | 43.52                             | 31.95                    |  |
|        | Nov-13           |                  | 43.20                             | 32.27                    |  |
|        | Nov-14           |                  | 38.50                             | 36.97                    |  |
|        | Nov-15           |                  | 41.63                             | 33.84                    |  |
|        | Nov-16<br>Nov-17 |                  | 40.49<br>37.89                    | 34.98<br>37.58           |  |
|        | Nov-17<br>Nov-18 |                  | 39.49                             | 37.56                    |  |
|        | Nov-19           |                  | 41.59                             | 33.88                    |  |
|        | Nov-20           |                  | 40.45                             | 35.02                    |  |
|        | Nov-21           |                  | 34.31                             | 41.16                    |  |

| Well<br>I.D. | Date             | Elevation<br>TOC | Water Level<br>(ft btoc) | Water Level<br>Elevation |
|--------------|------------------|------------------|--------------------------|--------------------------|
| 1.0.         |                  | (ft NGVD)        |                          | (ft NGVD)                |
|              | See 07           | MAIN PRODUCIN    |                          | 12.01                    |
|              | Sep-97<br>Nov-99 |                  | 63.27<br>NM              | 13.31<br>NM              |
|              | Nov-00           |                  | NM                       | NM                       |
|              | Nov-01           |                  | NM                       | NM                       |
|              | Nov-02           |                  | 61.81                    | 14.77                    |
|              | Jan-04           |                  | 57.22                    | 19.36                    |
|              | Nov-04<br>Nov-05 |                  | 56.59<br>51.17           | 19.99<br>25.41           |
|              | Nov-06           |                  | 55.56                    | 21.02                    |
|              | Nov-07           |                  | 57.86                    | 18.72                    |
|              | Nov-08           |                  | 57.04                    | 19.54                    |
| AC-22D       | Nov-09           | 76.58            | 55.70                    | 20.88                    |
|              | Nov-10           |                  | 52.15<br>55.81           | 24.43                    |
|              | Nov-11<br>Nov-12 |                  | 54.33                    | 20.77<br>22.25           |
|              | Nov-12           |                  | 54.11                    | 22.23                    |
|              | Nov-14           |                  | 51.68                    | 24.90                    |
|              | Nov-15           |                  | 53.84                    | 22.74                    |
|              | Nov-16           |                  | 52.79                    | 23.79                    |
|              | Nov-17           |                  | 50.51                    | 26.07                    |
|              | Nov-18<br>Nov-19 | ŀ                | 52.09<br>53.83           | 24.49<br>22.75           |
|              | Nov-20           |                  | 51.98                    | 24.60                    |
|              | Nov-21           |                  | 47.69                    | 28.89                    |
|              | Sep-97           |                  | 58.46                    | 21.05                    |
|              | Nov-99           |                  | 60.16                    | 19.35                    |
|              | Nov-00           |                  | 62.83                    | 16.68                    |
|              | Nov-01<br>Nov-02 |                  | 63.42<br>63.18           | 16.09<br>16.33           |
|              | Jan-04           |                  | 59.35                    | 20.16                    |
|              | Nov-04           |                  | 58.73                    | 20.78                    |
|              | Nov-05           |                  | 53.34                    | 26.17                    |
|              | Nov-06           |                  | 58.17                    | 21.34                    |
|              | Nov-07           |                  | 60.00                    | 19.51                    |
| AC-23D       | Nov-08<br>Nov-09 | 79.51            | 59.72<br>58.05           | 19.79<br>21.46           |
|              | Nov-10           |                  | 54.68                    | 24.83                    |
|              | Nov-11           |                  | 58.01                    | 21.50                    |
|              | Nov-12           |                  | 56.11                    | 23.40                    |
|              | Nov-13           |                  | 56.23                    | 23.28                    |
|              | Nov-14<br>Nov-15 |                  | 53.64<br>56.02           | 25.87<br>23.49           |
|              | Nov-16           |                  | 55.43                    | 24.08                    |
|              | Nov-17           |                  | 52.86                    | 26.65                    |
|              | Nov-18           |                  | 54.50                    | 25.01                    |
|              | Nov-19           | ļ                | 56.51                    | 23.00                    |
|              | Nov-21           |                  | 50.68<br>65.14           | 28.83<br>14.46           |
|              | Sep-97<br>Nov-99 |                  | 65.14                    | 13.43                    |
|              | Nov-00           |                  | 68.29                    | 11.31                    |
|              | Nov-01           | [                | 68.78                    | 10.82                    |
|              | Nov-02           | ļ.               | 68.55                    | 11.05                    |
|              | Jan-04           |                  | 65.33                    | 14.27                    |
|              | Nov-04<br>Nov-05 | ŀ                | 64.78<br>60.70           | 14.82<br>18.90           |
|              | Nov-06           | ŀ                | 64.35                    | 15.25                    |
|              | Nov-07           | [                | 69.78                    | 9.82                     |
|              | Nov-08           |                  | 65.50                    | 14.10                    |
| AC-24D       | Nov-09           | 79.60            | 63.84                    | 15.76                    |
|              | Nov-10<br>Nov-11 |                  | 61.46<br>64.41           | 18.14<br>15.19           |
|              | Nov-12           | ŀ                | 62.86                    | 16.74                    |
|              | Nov-13           |                  | 62.77                    | 16.83                    |
|              | Nov-14           | [                | 60.85                    | 18.75                    |
|              | Nov-15           | Ļ                | 62.64                    | 16.96                    |
|              | Nov-16           | ļ                | 61.93                    | 17.67                    |
|              | Nov-17<br>Nov-18 | ŀ                | 59.88<br>61.27           | 19.72<br>18.33           |
|              | Nov-18           | ŀ                | 62.80                    | 16.80                    |
|              | Nov-20           |                  | 61.05                    | 18.55                    |
|              | Nov-21           |                  | 57.92                    | 21.68                    |
|              |                  |                  |                          |                          |

|        |                  | Flovation        |                  | Water Level    |  |
|--------|------------------|------------------|------------------|----------------|--|
| Well   | Date             | Elevation<br>TOC | Water Level      | Elevation      |  |
| I.D.   | 5410             | (ft NGVD)        | (ft btoc)        | (ft NGVD)      |  |
|        |                  | MAIN PRODUCIN    | G ZONE           |                |  |
|        | Sep-97           |                  | 33.71            | 6.04           |  |
|        | Nov-99           |                  | 34.28            | 5.47           |  |
|        | Nov-00           |                  | 35.44            | 4.31           |  |
|        | Nov-01           |                  | 35.76            | 3.99           |  |
|        | Nov-02           |                  | 35.48            | 4.27           |  |
|        | Jan-04           |                  | 33.99            | 5.76           |  |
|        | Nov-04<br>Nov-05 |                  | 33.22<br>31.30   | 6.53<br>8.45   |  |
|        | Nov-06           |                  | 33.42            | 6.33           |  |
|        | Nov-07           |                  | 33.83            | 5.92           |  |
|        | Nov-08           |                  | 33.69            | 6.06           |  |
| AC-25D | Nov-09           | 39.75            | 32.07            | 7.68           |  |
| A0-23D | Nov-10           | 33.75            | 31.33            | 8.42           |  |
|        | Nov-11           |                  | 33.27            | 6.48           |  |
|        | Nov-12           |                  | 32.42            | 7.33           |  |
|        | Nov-13<br>Nov-14 |                  | 32.17<br>31.51   | 7.58<br>8.24   |  |
|        | Nov-14           |                  | 31.85            | 7.90           |  |
|        | Nov-16           |                  | 31.64            | 8.11           |  |
|        | Nov-17           |                  | 30.35            | 9.40           |  |
|        | Nov-18           |                  | 31.11            | 8.64           |  |
|        | Nov-19           |                  | 32.08            | 7.67           |  |
|        | Nov-20           |                  | 30.88            | 8.87           |  |
|        | Nov-21           |                  | 28.85            | 10.90          |  |
|        | Sep-97           |                  | 20.11            | 6.59           |  |
|        | Nov-99           |                  | 19.08<br>20.47   | 7.62<br>6.23   |  |
|        | Nov-00<br>Nov-01 |                  | 20.47            | 6.09           |  |
|        | Nov-02           |                  | 20.40            | 6.30           |  |
|        | Jan-04           |                  | 19.65            | 7.05           |  |
|        | Nov-04           |                  | 19.02            | 7.68           |  |
|        | Nov-05           |                  | 18.17            | 8.53           |  |
|        | Nov-06           |                  | 18.98            | 7.72           |  |
|        | Nov-07           |                  | 19.30            | 7.40           |  |
|        | Nov-08           |                  | 19.08            | 7.62           |  |
| AC-26D | Nov-09<br>Nov-10 | 26.70            | 17.23<br>17.27   | 9.47<br>9.43   |  |
|        | Nov-11           |                  | 18.96            | 7.74           |  |
|        | Nov-12           |                  | 18.53            | 8.17           |  |
|        | Nov-13           |                  | 18.55            | 8.15           |  |
|        | Nov-14           |                  | 17.94            | 8.76           |  |
|        | Nov-15           |                  | 17.88            | 8.82           |  |
|        | Nov-16           |                  | 17.70            | 9.00           |  |
|        | Nov-17<br>Nov-18 |                  | 16.65<br>17.09   | 10.05<br>9.61  |  |
|        | Nov-19           |                  |                  | Il Destroyed** |  |
|        | Nov-10           |                  |                  | Il Destroyed** |  |
|        | Nov-21           | ·                | Well Destroyed** |                |  |
|        | Sep-97           |                  | 13.57            | 4.98           |  |
|        | Nov-99           |                  | 13.46            | 5.09           |  |
|        | Nov-00           |                  | 14.97            | 3.58           |  |
|        | Nov-01<br>Nov-02 |                  | 15.05            | 3.50<br>3.65   |  |
|        | Jan-04           |                  | 14.90<br>14.13   | 3.65<br>4.42   |  |
|        | Nov-04           |                  | 13.66            | 4.89           |  |
|        | Nov-05           |                  | 12.42            | 6.13           |  |
|        | Nov-06           |                  | 14.13            | 4.42           |  |
|        | Nov-07           |                  | 13.91            | 4.64           |  |
|        | Nov-08           |                  | 13.46            | 5.09           |  |
| AC-27D | Nov-09           | 18.55            | 11.22            | 7.33           |  |
|        | Nov-10           |                  | 12.51            | 6.04           |  |
|        | Nov-11<br>Nov-12 |                  | 13.91<br>13.63   | 4.64<br>4.92   |  |
|        | Nov-12<br>Nov-13 |                  | 13.43            | 5.12           |  |
|        | Nov-14           |                  | 13.25            | 5.30           |  |
|        | Nov-15           |                  | 12.21            | 6.34           |  |
|        | Nov-16           |                  | 12.05            | 6.50           |  |
|        | Nov-17           |                  | 10.78            | 7.77           |  |
|        | Nov-18           |                  | 10.86            | 7.69           |  |
|        | Nov-19           |                  | 11.34            | 7.21           |  |
|        | Nov-20           |                  | 10.67            | 7.88           |  |
|        | Nov-21           |                  | 9.75             | 8.80           |  |

| Well<br>I.D. | Date             | Elevation<br>TOC<br>(ft NGVD) | Water Level<br>(ft btoc) | Water Level<br>Elevation<br>(ft NGVD) |
|--------------|------------------|-------------------------------|--------------------------|---------------------------------------|
|              |                  | MAIN PRODUCIN                 | G ZONE                   | (IT NOVD)                             |
|              | Sep-97           |                               | 65.34                    | 9.55                                  |
|              | Nov-99           |                               | 65.70                    | 9.19                                  |
|              | Nov-00           |                               | 67.07                    | 7.82                                  |
|              | Nov-01           |                               | 67.43                    | 7.46                                  |
|              | Nov-02           |                               | 67.29                    | 7.60                                  |
|              | Jan-04<br>Nov-04 |                               | 64.96<br>NM              | 9.93<br>NM                            |
|              | Nov-05           |                               | 61.72                    | 13.17                                 |
|              | Nov-06           |                               | 64.19                    | 10.70                                 |
|              | Nov-07           |                               | 65.12                    | 9.77                                  |
|              | Nov-08           |                               | 64.78                    | 10.11                                 |
| AC-28D       | Nov-09<br>Nov-10 | 74.89                         | 63.02<br>61.83           | 11.87<br>13.06                        |
|              | Nov-10           |                               | 64.21                    | 10.68                                 |
|              | Nov-12           |                               | 63.20                    | 11.69                                 |
|              | Nov-13           |                               | 63.02                    | 11.87                                 |
|              | Nov-14           |                               | NM                       | NM                                    |
|              | Nov-15           |                               | NM                       | NM                                    |
|              | Nov-16           |                               | 62.13                    | 12.76                                 |
|              | Nov-17<br>Nov-18 |                               | 60.76<br>61.69           | 14.13<br>13.20                        |
|              | Nov-18           |                               | 62.69                    | 13.20                                 |
|              | Nov-20           |                               | 61.35                    | 13.54                                 |
|              | Nov-21           |                               | 59.16                    | 15.73                                 |
|              | Sep-97           |                               | 62.17                    | 20.09                                 |
|              | Nov-99           |                               | 62.86                    | 19.40                                 |
|              | Nov-00           |                               | 65.62                    | 16.64                                 |
|              | Nov-01<br>Nov-02 |                               | 66.29<br>66.18           | 15.97<br>16.08                        |
|              | Jan-04           |                               | 61.62                    | 20.64                                 |
|              | Nov-04           |                               | 61.06                    | 21.20                                 |
|              | Nov-05           |                               | 55.47                    | 26.79                                 |
|              | Nov-06           |                               | 59.95                    | 22.31                                 |
|              | Nov-07           |                               | 62.30                    | 19.96                                 |
|              | Nov-08<br>Nov-09 |                               | 61.75<br>60.21           | 20.51<br>22.05                        |
| AC-29D       | Nov-10           | 82.26                         | 56.50                    | 25.76                                 |
|              | Nov-11           |                               | 60.12                    | 22.14                                 |
|              | Nov-12           |                               | 58.44                    | 23.82                                 |
|              | Nov-13           |                               | 58.37                    | 23.89                                 |
|              | Nov-14<br>Nov-15 |                               | 55.54<br>58.32           | 26.72<br>23.94                        |
|              | Nov-15           |                               | 57.08                    | 25.18                                 |
|              | Nov-17           |                               | 54.66                    | 27.60                                 |
|              | Nov-18           |                               | 56.47                    | 25.79                                 |
|              | Nov-19           |                               | 58.22                    | 24.04                                 |
|              | Nov-20           |                               | 56.49                    | 25.77                                 |
|              | Nov-21           |                               | 52.36<br>71.39           | 29.90<br>14.34                        |
|              | Sep-97<br>Nov-99 |                               | 71.39                    | 14.34                                 |
|              | Nov-00           |                               | 74.17                    | 11.56                                 |
|              | Nov-01           |                               | 74.64                    | 11.09                                 |
|              | Nov-02           |                               | 74.48                    | 11.25                                 |
|              | Jan-04           |                               | 71.28                    | 14.45                                 |
|              | Nov-04<br>Nov-05 |                               | 70.75<br>66.83           | 14.98<br>18.90                        |
|              | Nov-05           |                               | 70.27                    | 15.46                                 |
|              | Nov-07           |                               | 71.66                    | 14.07                                 |
|              | Nov-08           |                               | 71.35                    | 14.38                                 |
| AC-30D       | Nov-09           | 85.73                         | 69.72                    | 16.01                                 |
|              | Nov-10           |                               | 67.34                    | 18.39                                 |
|              | Nov-11<br>Nov-12 |                               | 70.33<br>68.92           | 15.40<br>16.81                        |
|              | Nov-12<br>Nov-13 |                               | 68.81                    | 16.92                                 |
|              | Nov-14           |                               | 66.94                    | 18.79                                 |
|              | Nov-15           |                               | 68.68                    | 17.05                                 |
|              | Nov-16           |                               | 67.88                    | 17.85                                 |
|              | Nov-17           |                               | 65.98                    | 19.75                                 |
|              | Nov-18           |                               | 67.29                    | 18.44<br>17.02                        |
|              | Nov-19<br>Nov-20 |                               | 68.71<br>67.03           | 17.02                                 |
|              | Nov-20           |                               | 64.05                    | 21.68                                 |
| R            | 1107 21          |                               |                          |                                       |

|                  | Elevation      |                          | Water Level    |  |
|------------------|----------------|--------------------------|----------------|--|
| Well Date        | TOC            | Water Level<br>(ft btoc) | Elevation      |  |
| I.D.             | (ft NGVD)      |                          | (ft NGVD)      |  |
|                  | MAIN PRODUCING | G ZONE                   |                |  |
| Sep-97           |                | NM                       | NM             |  |
| Nov-99           |                | 5.22                     | 5.27           |  |
| Nov-00<br>Nov-01 |                | 6.15<br>6.36             | 4.34<br>4.13   |  |
| Nov-02           |                | 6.27                     | 4.13           |  |
| Jan-04           |                | 5.11                     | 5.38           |  |
| Nov-04           |                | 4.68                     | 5.81           |  |
| Nov-05           |                | 3.50                     | 6.99           |  |
| Nov-06           |                | 4.68                     | 5.81           |  |
| Nov-07           |                | 5.07                     | 5.42           |  |
| Nov-08<br>Nov-09 |                | 4.67<br>3.06             | 5.82<br>7.43   |  |
| AC-35D Nov-10    | 10.49          | 2.88                     | 7.61           |  |
| Nov-11           |                | 4.30                     | 6.19           |  |
| Nov-12           |                | 4.13                     | 6.36           |  |
| Nov-13           |                | 4.06                     | 6.43           |  |
| Nov-14           |                | 3.33                     | 7.16           |  |
| Nov-15           |                | 3.29<br>3.25             | 7.20 7.24      |  |
| Nov-16<br>Nov-17 |                | 2.50                     | 7.99           |  |
| Nov-18           |                | 2.78                     | 7.71           |  |
| Nov-19           |                | 3.47                     | 7.02           |  |
| Nov-20           |                | 2.51                     | 7.98           |  |
| Nov-21           |                | 1.30                     | 9.19           |  |
| Sep-97           |                | NM                       | NM             |  |
| Nov-99           |                | 2.32                     | 2.94           |  |
| Nov-00<br>Nov-01 |                | 2.90<br>3.13             | 2.36<br>2.13   |  |
| Nov-02           |                | 2.90                     | 2.36           |  |
| Jan-04           |                | 2.24                     | 3.02           |  |
| Nov-04           |                | 1.66                     | 3.60           |  |
| Nov-05           |                | 1.01                     | 4.25           |  |
| Nov-06           |                | 1.98                     | 3.28           |  |
| Nov-07           |                | 1.84                     | 3.42           |  |
| Nov-08<br>Nov-09 |                | 1.72<br>0.00             | 3.54<br>5.26   |  |
| AC-36D Nov-10    | 5.26           | 0.50                     | 4.76           |  |
| Nov-11           |                | 1.93                     | 3.33           |  |
| Nov-12           |                | 1.55                     | 3.71           |  |
| Nov-13           |                | 1.23                     | 4.03           |  |
| Nov-14           |                | 1.21                     | 4.05           |  |
| Nov-15<br>Nov-16 |                | 0.45                     | 4.81<br>4.89   |  |
| Nov-17           |                | 0.00                     | 5.26           |  |
| Nov-18           |                | 0.08                     | 5.18           |  |
| Nov-19           |                |                          | Il Destroyed** |  |
| Nov-20           |                | Well Destroyed**         |                |  |
| Nov-21           |                | Well Destroyed**         |                |  |
| Sep-97           |                | 51.69                    | 25.11          |  |
| Nov-99           |                | 51.58                    | 25.22          |  |
| Nov-00<br>Nov-01 |                | 53.63<br>55.32           | 23.17<br>21.48 |  |
| Nov-02           |                | 53.89                    | 22.91          |  |
| Jan-04           |                | 51.37                    | 25.43          |  |
| Nov-04           |                | 50.51                    | 26.29          |  |
| Nov-05           |                | 44.75                    | 32.05          |  |
| Nov-06           |                | 48.84                    | 27.96          |  |
| Nov-07<br>Nov-08 |                | 52.14<br>50.87           | 24.66<br>25.93 |  |
| Nov-09           | _              | 49.51                    | 25.93          |  |
| NWD-2D Nov-10    | 76.80          | 45.09                    | 31.71          |  |
| Nov-11           |                | 49.11                    | 27.69          |  |
| Nov-12           |                | 48.02                    | 28.78          |  |
| Nov-13           |                | 47.73                    | 29.07          |  |
| Nov-14           |                | 44.15                    | 32.65          |  |
| Nov-15           |                | 46.92                    | 29.88          |  |
| Nov-16<br>Nov-17 |                | 45.94<br>43.30           | 30.86<br>33.50 |  |
| Nov-18           |                | 39.36                    | 37.44          |  |
| Nov-19           |                | 47.03                    | 29.77          |  |
| Nov-20           |                | 45.61                    | 31.19          |  |
| Nov-21           |                | 40.27                    | 36.53          |  |

#### Agrico Site Pensacola, Florida

| Well   | Date   | Elevation<br>TOC | Water Level    | Water Level<br>Elevation |  |
|--------|--------|------------------|----------------|--------------------------|--|
| I.D.   | Date   | (ft NGVD)        | (ft btoc)      | (ft NGVD)                |  |
|        |        | MAIN PRODUCIN    | G ZONE         | (((1070)                 |  |
|        | Sep-97 |                  | 19.52          | 15.18                    |  |
|        | Nov-99 |                  | 20.92          | 13.78                    |  |
|        | Nov-00 |                  | 22.36          | 12.34                    |  |
|        | Nov-01 | •                | 22.74          | 11.96                    |  |
|        | Nov-02 |                  | 22.12          | 12.58                    |  |
|        | Jan-04 |                  | 20.32          | 14.38                    |  |
|        | Nov-04 |                  | NM             | NM                       |  |
|        | Nov-05 |                  | 16.92          | 17.78                    |  |
|        | Nov-06 |                  | 20.11          | 14.59                    |  |
|        | Nov-07 |                  | 20.55          | 14.15                    |  |
|        | Nov-08 |                  | 16.92          | 17.78                    |  |
|        | Nov-09 |                  | 18.81          | 15.89                    |  |
| NWD-4D | Nov-10 | 34.70            | 17.32          | 17.38                    |  |
|        | Nov-11 |                  | 19.68          | 15.02                    |  |
|        | Nov-12 |                  | 18.21          | 16.49                    |  |
|        | Nov-13 |                  | 18.19          | 16.51                    |  |
|        | Nov-14 |                  | 16.91          | 17.79                    |  |
|        | Nov-15 |                  | 17.68          | 17.02                    |  |
|        | Nov-16 |                  | 18.02          | 16.68                    |  |
|        | Nov-17 |                  | 15.99          | 18.71                    |  |
|        | Nov-18 |                  | 17.08          | 17.62                    |  |
|        | Nov-19 |                  | 18.63          | 16.07                    |  |
|        | Nov-20 |                  | 17.85          | 16.85                    |  |
|        | Nov-21 |                  | 14.30          | 20.40                    |  |
|        | Sep-97 |                  | NM             | NM                       |  |
|        | Nov-99 |                  | NM             | NM                       |  |
|        | Nov-00 |                  | NM             | NM                       |  |
|        | Nov-01 |                  | NM             | NM                       |  |
|        | Nov-02 |                  | NM             | NM                       |  |
|        | Jan-04 |                  | NM             | NM                       |  |
|        | Nov-04 |                  | NM             | NM                       |  |
|        | Nov-05 |                  | NM             | NM                       |  |
|        | Nov-06 |                  | NM             | NM                       |  |
|        | Nov-07 | l.               | NM             | NM                       |  |
|        | Nov-08 | l.               | 47.63          | 38.42                    |  |
| PIP-D  | Nov-09 | 86.05            | 46.74          | 39.31                    |  |
|        | Nov-10 | ļ                | 41.05          | 45.00                    |  |
|        | Nov-11 |                  | 45.23          | 40.82                    |  |
|        | Nov-12 |                  | 43.24          | 42.81                    |  |
|        | Nov-13 |                  | 43.53          | 42.52                    |  |
|        | Nov-14 | l.               | 39.15          | 46.90                    |  |
|        | Nov-15 | l.               | 42.49<br>42.25 | 43.56<br>43.80           |  |
|        | Nov-16 | ŀ                | -              |                          |  |
|        | Nov-17 | ŀ                | 38.49          | 47.56                    |  |
|        | Nov-18 | ŀ                | 40.74          | 45.31<br>42.82           |  |
|        | Nov-19 | ŀ                | 43.23<br>41.59 | 42.82                    |  |
|        | Nov-20 |                  | 41.59<br>35.24 | 44.46                    |  |
| NOTES  | Nov-21 |                  | 33.24          | 30.01                    |  |

NOTES:

ft NGVD = feet above National Geodetic Vertical Datum of 1988.

ft btoc = feet below top of casing.

NM = Not Measured

CNL = Could not locate

\*AC-10D could not be located during the November 2021 sampling event. Further attempts to locate the well will

be made prior to the next sampling event. \*\* AC-14D, AC-26D, and AC-36D were not located during 2019. They were determined to have been destroyed by City of Pensacola stormwater project construction efforts and have been removed from the monitoring well network.

## TABLE 5 SURFACE WATER FIELD PARAMETER RESULTS

## Agrico Site Pensacola, Florida

| Surface<br>Water<br>Location | Date       | pH<br>(su) | Conductivity<br>(µS/cm) | Temperature<br>( <sup>º</sup> C) | Dissolved<br>Oxygen<br>(mg/L) | Oxidation<br>Reduction<br>Potential<br>(mV) | Turbidity<br>(NTU) | Salinity<br>(ppth) |
|------------------------------|------------|------------|-------------------------|----------------------------------|-------------------------------|---|--------------------|--------------------|
|                              | 11/17/2010 | 7.44       | 28,836                  | 21.43                            | 6.07                          | 180.4                                       | 7.98               | 17.74              |
|                              | 11/17/2011 | 7.63       | 33,288                  | 21.92                            | 8.15                          | -9.5  | 11.30              | 20.84              |
|                              | 11/8/2012  | 7.58       | 36,769                  | 22.35                            | 7.39                          | 70.8  | 12.10              | 23.24              |
|                              | 11/11/2013 | 7.08       | 27,605                  | 22.12                            | 7.39                          | 84.0  | 30.50              | NM                 |
| BT-02<br>Bayou Texar         | 11/21/2014 | 7.23       | 33,886                  | 17.31                            | 102.3                         | 122.0                                       | 5.67               | 21.49              |
|                              | 11/16/2015 | 7.53       | 9,987                   | 18.35                            | 83.3                          | 191.0                                       | 12.6               | 5.66               |
| (Brackish                    | 11/7/2016  | 7.07       | 22,000                  | 23.64                            | 6.2                           | 150.0                                       | 6.6                | 13.24              |
| Water)                       | 11/6/2017  | 6.87       | 10,662                  | 25.41                            | 5.59                          | 123.2                                       | 3.64               | 5.54               |
|                              | 11/8/2018  | 6.46       | 18,764                  | 6.26                             | 23.96                         | 171.6                                       | 25.8               | NM                 |
|                              | 11/13/2019 | 9.64       | 6,210                   | 11.73                            | 90.4                          | 213.9                                       | 6.73               | 3.46               |
|                              | 11/10/2020 | 7.24       | 21,779                  | 23.06                            | 5.79                          | 304.1                                       | 10.9               | NM                 |
|                              | 11/4/2021  | 7.30       | 13,609                  | 21.63                            | 5.77                          | 86.9  | 10.4               | 8.78               |
|                              | 11/17/2010 | 7.39       | 29,165                  | 21.45                            | 6.14                          | 193.5                                       | 5.30               | 18.05              |
|                              | 11/17/2011 | 7.51       | 32,523                  | 21.61                            | 7.96                          | 9.9   | 9.80               | 20.48              |
|                              | 11/8/2012  | 7.23       | 36,230                  | 22.27                            | 7.01                          | 73.6  | 10.80              | 22.94              |
|                              | 11/11/2013 | 6.89       | 28,619                  | 22.69                            | 6.37                          | 81.2  | 7.85               | NM                 |
| BT-107                       | 11/21/2014 | 7.85       | 35,026                  | 17.39                            | 92.9                          | 119.7                                       | 5.75               | 22.04              |
| BI-107<br>Bayou Texar        | 11/16/2015 | 7.09       | 7,907                   | 18.15                            | 77.1                          | 185.3                                       | 9.45               | 4.41               |
| (Brackish                    | 11/7/2016  | 6.99       | 18,967                  | 23.87                            | 6.4                           | 163.1                                       | 6.61               | 11.26              |
| Water)                       | 11/6/2017  | 6.82       | 10,606                  | 25.46                            | 4.77                          | 135.0                                       | 3.53               | 5.99               |
|                              | 11/8/2018  | 6.40       | 18,045                  | 23.95                            | 5.93                          | 179.6                                       | 9.13               | NM                 |
|                              | 11/13/2019 | 7.80       | 11,199                  | 13.13                            | 8.22                          | 192.1                                       | 6.54               | 6.26               |
|                              | 10/10/2020 | 7.21       | 21,559                  | 22.87                            | 5.92                          | 230.3                                       | 7.57               | NM                 |
|                              | 11/4/2021  | 7.19       | 14,759                  | 22.54                            | 5.71                          | 56.5  | 9.61               | 11.87              |
|                              | 11/17/2010 | 7.33       | 28,735                  | 21.31                            | 5.87                          | 240.7                                       | 6.21               | 17.64              |
|                              | 11/17/2011 | 7.69       | 35,000                  | 21.73                            | 7.94                          | -1.8  | 10.40              | 22.07              |
|                              | 11/8/2012  | 7.37       | 36,564                  | 22.60                            | 7.44                          | 67.5  | 10.30              | 22.95              |
|                              | 11/11/2013 | 6.87       | 28,952                  | 22.86                            | 6.53                          | 84.9  | 5.86               | NM                 |
| BT-127                       | 11/21/2014 | 6.96       | 34,062                  | 17.53                            | 7.73                          | 117.6                                       | 9.27               | 21.43              |
| BI-127<br>Bayou Texar        | 11/16/2015 | 5.38       | 18,851                  | 20.21                            | 63.1                          | 203.8                                       | 4.03               | 9.39               |
| (Brackish                    | 11/7/2016  | 6.92       | 18,618                  | 24.48                            | 8.7                           | 185.0                                       | 8.81               | 11.03              |
| Water)                       | 11/6/2017  | 6.70       | 11,683                  | 25.79                            | 5.25                          | 147.1                                       | 4.46               | 6.54               |
|                              | 11/8/2018  | 6.23       | 16,252                  | 23.79                            | 6.56                          | 187.7                                       | 12.3               | NM                 |
|                              | 11/13/2019 | 7.89       | 9,226                   | 13.71                            | 8.29                          | 199.5                                       | 7.66               | 5.28               |
|                              | 11/10/2020 | 7.21       | 21,288                  | 22.98                            | 5.61                          | 250.2                                       | 11.9               | NM                 |
|                              | 11/4/2021  | 7.19       | 14,759                  | 22.54                            | 5.71                          | 56.5  | 9.61               | 11.87              |

NOTES:

SU = Standard Units

µs/cm= microSiemens per centimeter

<sup>0</sup>C = Degrees Celsius

mg/L = milligram per Liter

mV = milliVolt

NTU = Nephelometric Turbidity Units ppth=parts per thousand

NM = not measured

#### TABLE 6

## ADVISORY NOTICE DISTRIBUTION LIST WATER WELL, IRRIGATION/PLUMBING, AND POOL CONTRACTORS

#### OU-2 AGRICO SITE PENSACOLA, FLORIDA

| NAME                         | COMPANY NAME                        | ADDRESS                     | CITY                   | STATE | POSTAL CODE |
|------------------------------|-------------------------------------|-----------------------------|------------------------|-------|-------------|
|                              | FLORIDA IRRIGATION SUPPLY INC       | 2810 COPTER ROAD            | PENSACOLA              | FL    | 32514       |
|                              | WALLACE SPRINKLER INC               | 3607 ANDREW AVE             | PENSACOLA              | FL    | 32505-4108  |
|                              | ALL SEASONS POOL SERVICE            | 29 ADKINSON DR              | PENSACOLA              | FL    | 32506       |
|                              | ALL SERVICES POOL SPA`              | 5585 WINDHAM RD             | MILTON                 | FL    | 32507       |
|                              | AVALON POOLS                        | 4230 TANFIELD RD            | MILTON                 | FL    | 32583       |
|                              | PACE POOL & SPA SERVICES, INC.      | 4873 WEST SPENCER FIELD RD. | PACE                   | FL    | 32571-1232  |
|                              | DOLPHIN POOLS                       | 3210 GULF BREEZE PKWY       | GULF BREEZE            | FL    | 32563-2730  |
|                              | FAMILY POOL AND SPA & BILLIARD CENT | 3920 N. DAVIS HIGHWAY       | PENSACOLA              | FL    | 32503       |
|                              | JOHNSON POOLS, INC                  | 401 MASSACHUSETTS AVE       | PENSACOLA              | FL    | 32505-4207  |
|                              | PARKER POOLS                        | PO BOX 11769                | PENSACOLA              | FL    | 32524-1769  |
|                              | PENSACOLA POOLS INC                 | 4412 HIGHWAY 90             | PACE                   | FL    | 32571       |
|                              | PENSACOLA POOLS INC                 | 3480 GULF BREEZE PKWY       | GULF BREEZE            | FL    | 32563-3406  |
|                              | PINCH A PENNY POOL PATIO SPA        | 3307 GULF BREEZE PKWY       | GULF BREEZE            | FL    | 32563       |
|                              | SUNSET POOLS SPAS & WHIRLPOOL BAT   | 4382 HIGHWAY 90             | PACE                   | FL    | 32571       |
|                              | BEDROCK WELLS - AAA SPRINKLERS & L  | 6201 N. BLUE ANGEL PKWY     | PENSACOLA              | FL    | 32526-8006  |
|                              | MCGOWAN WATER WORKS INC             | 3041 E. KINGSFIELD RD.      | PENSACOLA              | FL    | 32514-9753  |
|                              | COFFEY S G WELL SVCE                | 331 BURNT PINE RD           | BREWTON                | AL    | 36426-5817  |
|                              | COFFEY'S GEORGE WELL SERVICE        | 680 TRAVIS RD               | BREWTON                | AL    | 36426-5120  |
|                              | RUSSELLS WELL AND PUMP SERVICES     |                             |                        | FL    |             |
|                              |                                     | 4053 KENTWOOD ST.           | MILTON                 |       | 32571-2432  |
|                              | WINDHAM & SON PUMPING SUPPLY        | 5800 MULDOON RD.            | PENSACOLA              | FL    | 32526-1699  |
| ALAN ARD                     | ARD'S CLOSED LOOP                   | 1931 TILLIMAN LN            | PENSACOLA              | FL    | 32506       |
| GLENN ASHLEY                 | ASHLEY WELL DRILLING                | 8056 WAKULLA SPGS RD        | TALLAHASSEE            | FL    | 32305       |
| GREG BAILEY                  | GREG'S IRRIGATION                   | 4264 BARLOW RD              | CRESTVIEW              | FL    | 32536       |
| RONNIE BARLOW                |                                     | 4575 J BARLOW ROAD          | JAY                    | FL    | 32565       |
| BOBBY BARLOW                 | BARLOW WATER SERVICES               | P O BOX 539                 | WEWAHITCHKA            | FL    | 32465       |
| FREDERICK BASFORD            | BASFORD WELL DRILLING               | 4513 LAFAYETTE ST           | MARIANNA               | FL    | 32446       |
| CHARLES BASFORD              | BASFORD WELL DRILLING               | 4513 LAFAYETTE ST           | MARIANNA               | FL    | 32446       |
| LESTER BASFORD               | BASFORD WELL DRILLING               | 4513 LAFAYETTE ST           | MARIANNA               | FL    | 32446       |
| MACK H BEASLEY               | MACK H BEASLEY WATER WELL SERVICE   | 4940 BECK AVE               | JAY                    | FL    | 32565       |
| TERRY BERRY                  | BERRY'S WELL SERVICE                | 225 SPENCER DR              | FT WALTON BEACH        | FL    | 32547       |
| PAUL BRANSON                 | COFFEY'S WELL SERVICE               | P O BOX 564                 | JAY                    | FL    | 32565       |
| TERRY BRANTON                | BRANTON BROTHERS WELL DRILLING      | 755 MALVERN RD              | DOTHAN                 | AL    | 36301       |
| MORGAN BROWN                 |                                     | 28 MOONEY ROAD NE           | FT WALTON BEACH        | FL    | 32547       |
| DOCK L BRYANT JR             | B & B WELL DRILLING                 | 108 FETTING AVE             | FT WALTON BEACH        | FL    | 32547       |
| BYRON BUTLER                 |                                     | P O BOX 2820                | HAINES CITY            | FL    | 33845       |
| TROY E BYRD                  |                                     | P O BOX 371                 | ATMORE                 | AL    | 36504       |
| HERBERT CHRISTIAN            | CHRISTIAN TESTING LABS INC          | P O BOX 3218                | MONTGOMERY             | AL    | 36109       |
| JL CLANTON                   | CLANTON'S WELL DRILLING             | 6512 LOIS ST                | PANAMA CITY            | FL    | 32404       |
| MARK COBB                    | C & S WELL SERVICE                  | 2712 TWILIGHT AVE           | PANAMA CITY            | FL    | 32405       |
| SANDRA COFFEY                | S G COFFEY WELL SERVICE             | 409 BURNT PINE RD           | BREWTON                | AL    | 35425-5859  |
| JIMMY H COFIELD              | JIM'S WELL DRILLING                 | P O BOX 93                  | FLOMATON               | AL    | 36441       |
| TE COLLEY                    | SIN'S WELL DRIELING                 | 5558 ORIOLE ST              | MILTON                 | FL    | 32570       |
| ARTHUR COLLINGSWORTH         |                                     | 6806 KEITHLEY RD            | PANAMA CITY            | FL    | 32404       |
| JAMES R CONNER               | JAMIE CONNER WELL DRILLING SERVICE  | 1278 LEAVINS RD             | WESTVILLE              | FL    | 32464       |
|                              |                                     |                             |                        | FL    | 32404       |
| JOHN COOKE<br>VERNON CREAMER |                                     | 4924 SATIN DR               | BASCOM                 | FL    |             |
|                              |                                     | 11939 RACOON RD             | SOUTHPORT              |       | 32409       |
|                              | BILL DAVIS DRILLING SERVICES        | 342 FOREST ROAD 13          | SOPCHOPPY<br>DENSACOLA | FL    | 32355       |
| ROBERT DE VALCOURT           | PERDIDO HEATING & AIR               | 5555 BAUER RD               | PENSACOLA              | FL    | 32507       |
|                              | ROBIN DEAN WELL DRILLING            | 1904 WAX MYRTLE RD          | TALLAHASSEE            | FL    | 32310       |
| WESLEY DEAN                  | DEAN'S WELL DRILLING                | PO BOX 1469                 | WOODVILLE              | FL    | 32362-1469  |
| WESLEY DONALDSON             | DONALDSON WELL DRILLING             | 1321 BLUE ANGEL PKY         | PENSACOLA              | FL    | 32506       |
|                              |                                     | 5251 COY BURGESS RD         | DEFUNIAK SPRINGS       | FL    | 32435       |
| CURT DOYLE                   | GEOTECHNICAL SERVICES INC           | 904 BUTLER DR               | MOBILE                 | AL    | 36693       |
| 30B ECHOLD                   | NORTHWEST FLORIDA WATER MANGEME     |                             | MILTON                 | FL    | 32583-5329  |
| MATT GARCIA                  |                                     | 1426 LOLA DR                | TALLAHASSEE            | FL    | 32301       |
| DONALD GELDBAUGH             | SOUTHERN COMPANY SERVICES INC       | ONE ENERGY PLACE            | PENSACOLA              | FL    | 32520       |
| ALPHA GIPSON                 | ALPHA GIPSON                        | 6131 AGELINA RD             | PENSACOLA              | FL    | 32504       |
| TOMMIE GLASS                 |                                     | 5970 COLTER ROAD            | MILTON                 | FL    | 32583-2834  |
| WENDELL HALL                 |                                     | 6620 CHIPEWA ST             | PANAMA CITY            | FL    | 32404       |
| JOSEPH HARRELL JR            | GEO ENERGY DRILLING INC             | P O BOX 1454                | CRAWFORDVILLE          | FL    | 32326       |
| HOWARD HAYES                 |                                     | 20181 SE CL CAPPS RD        | BLOUNTSTOWN            | FL    | 32424       |
| STEVE HOLT                   | HOLT WELL SERVICE                   | 8331 HWY 189 N              | BAKER                  | FL    | 32531       |
| EDGAR HUGHES                 |                                     | 6302 CR 636                 | CHANCELLOR             | AL    | 36316       |

#### TABLE 6

## ADVISORY NOTICE DISTRIBUTION LIST WATER WELL, IRRIGATION/PLUMBING, AND POOL CONTRACTORS

#### OU-2 AGRICO SITE PENSACOLA, FLORIDA

| NAME                                  | COMPANY NAME | ADDRESS                                     | CITY                   | STATE | POSTAL CODE         |
|---------------------------------------|--------------|---|------------------------|-------|---------------------|
| S & S PLUMBING AND MECHANICAL INC     |              | 7845 PINE FOREST RD                         | PENSACOLA              | FL    | 32526               |
| SANTA ROSA PLUMBING                   |              | 5510 TOM SAWYER RD                          | MILTON                 | FL    | 32583               |
| SPIVEY & SON PLUMBING INC             |              | 9820 VONNA JO DR                            | PENSACOLA              | FL    | 32506               |
| VAN PLUMBING                          |              | 3248 CLEMSON RD                             | GULF BREEZE            | FL    | 32561               |
| WARRINGTON PLUMBING INC               |              | 910 W MAIN                                  | PENSACOLA              | FL    | 32501               |
| BRAUN'S SPRINKLER SERVICE             |              | 10852 BERRYHILL RD                          | PENSACOLA              | FL    | 32506               |
| GORMAN CO INC                         |              | 4149 WAREHOUSE LANE                         | PENSACOLA              | FL    | 32505               |
| PHOENIX LANDSCAPE & IRRIGATION INC    |              | P O BOX 924                                 | GULF BREEZE            | FL    | 32562               |
| RAINFALL LANDSCAPE & SPRINKLER        |              | 9850 NORTH LOOP RD                          | PENSACOLA              | FL    | 32507               |
| TIECO GULF COAST INC                  |              | 540 W MICHIGAN AVE                          | PENSACOLA              | FL    | 32505               |
| TRIM A LAWN LAWN & GARDEN CENTER      |              | 1405 GULF BEACH HIGHWAY                     | PENSACOLA              | FL    | 32507               |
| MCGOWAN IRRIGATION                    |              | 3041 E KINGSFIELD RD                        | PENSACOLA              | FL    | 32526               |
| GARVEY IRRIGATION                     |              | PO BOX 250                                  | MOLINO                 | FL    | 32577-0250          |
| KEN GRIFFIN LANDSCAPE CONTRACTORS INC |              | 3004 WESTFIELD RD                           | GULF BREEZE            | FL    | 32563               |
| WATER WORKS SPRINKLER SYSTEMS & PONDS |              | 4669 ANNA SIMPSON RD                        | MILTON                 | FL    | 32583               |
| C & H PLUMBING                        |              | 5239 OLD BERRYHILL RD                       | MILTON                 | FL    | 32570               |
| DEALE PLUMBING                        |              | 7019 WOODLEY DR                             | PENSACOLA              | FL    | 32503               |
| DOWNS PLUMBING & GAS                  | LARRY DOWNS  | 5840 MULDOON RD                             | PENSACOLA              | FL    | 32526               |
| FLORIDA AIR CONDITIONING & PLUMBING   |              | 9310 BRIDLEWOOD RD                          | PENSACOLA              | FL    | 32526               |
| HIGH TECH PLUMBING & HEATING          |              | 8375 RALEIGH CIRCLE                         | PENSACOLA              | FL    | 32534               |
| HOMEOWNERS' ASSURANCE INC             |              | 4382 HIGHWAY 90                             | PACE                   | FL    | 32571               |
| PACE PLUMBING                         |              | 4274 BELL LANE                              | PACE                   | FL    | 32571               |
| TERRY SMITH PLUMBING INC              |              | 22 W NINE & ONE HALF MILE RD                | PENSACOLA              | FL    | 32534               |
| ENSLEY SEPTIC TANK SERVICE            |              | 10491 BETMARK RD                            | PENSACOLA              | FL    | 32534               |
| ALTERNATE RAIN SYSTEMS                |              | 5353 N BLUE ANGEL PARKWAY                   | PENSACOLA              | FL    | 32526               |
| AMORE SPRINKLER CO                    |              | 3652 GARDENVIEW RD                          | PACE                   | FL    | 32571               |
| IRRIGATION ENGINEERING                |              | 920 E LLOYD ST                              | PENSACOLA              | FL    | 32503               |
| KILLER WELLS, INC.                    |              | 2600 W. MICHIGAN AVE, LOT 35E               | PENSACOLA              | FL    | 32525-2282          |
| PERDIDO IRRIGATION SYSTEMS            |              | 5555 BAUER ROAD                             | PENSACOLA              | FL    | 32507               |
| RIKER IRRIGATION                      |              | 1144 W NINE MILE RD                         | PENSACOLA              | FL    | 32534               |
|                                       |              | 440 W. HANNAH STREET                        | PENSACOLA              | FL    | 32534               |
| GULF COAST POOL & SPA INC             |              | 2461 LANGLEY AVE                            | PENSACOLA              | FL    | 32504<br>32534      |
| MANNING BROS POOL INC                 |              | 9465 PENSACOLA BLVD                         | PENSACOLA              |       |                     |
| PANAMA POOLS OF NORTHWEST FLORIDA     |              | 291 POWELL ADAMS RD                         | PENSACOLA              | FL    | 32413               |
|                                       |              | 8514 PENSACOLA BLVD                         | PENSACOLA              | FL    | 32534               |
| VAUGHN'S INC OF PENSACOLA<br>ALLPOOLS |              | 1290 NINE MILE ROAD<br>8062 BRIOR OAK DRIVE | PENSACOLA<br>PENSACOLA | FL    | 32534               |
|                                       |              |   |                        | FL    | 32514               |
| AVALON POOLS<br>COX POOLS             |              | 4230 TANFIELD ROAD<br>22656 F CANAL ROAD    | MILTON<br>ORANGE BEACH | AL    | 32583               |
| D K POOLS INC                         |              | 4111 LILLIAN HWY                            | PENSACOLA              | FL    | 36561<br>32505-2202 |
| L W POOLS                             |              | 11600 MOBILE HIGHWAY                        | PENSACOLA              | FL    | 32505-2202          |
| PINCH A PENNY POOL PATIO SPA          |              | 8090 N 9th AVE                              | PENSACOLA              | FL    | 32526               |
| SUNSET POOLS SPAS & WHIRLPOOL BATHS   |              | 4382 HIGHWAY 90                             | PACE                   | FL    | 32571               |
| SOUTH CENTRAL POOL SUPPLY             |              | 8808 Grow Dr                                | PENSACOLA              | FL    | 32514               |
|                                       |              |   | PENSACOLA              | FL    |                     |
| JOHNSON POOLS INC.                    |              | 401 Massachusetts Ave                       |                        | FL    | 32505<br>32506      |
| FAGANS CUSTOM POOLS INC.              |              | 13440 Serenity Cir                          | PENSACOLA              | FL    |                     |
| ATLANTIS POOL & SPA                   |              | 2075 Elaine Cir                             | PENSACOLA              |       | 32504               |
| SUPERIOR POOLS PRODUCTS               |              | 3338 Mclemore Dr                            | PENSACOLA              | FL    | 32514               |
| AFFORDABLE TREE LAWN & POOL           |              | 2011 W. Garden Street                       | PENSACOLA              | FL    | 32502               |
| EMERALD COAST IRRIGATION LLC          |              | 3041 Kingsfield Road                        | PENSACOLA              | FL    | 32514               |
| JERRY PATE TURF & IRRIGATION INC.     |              | 301 Schubert Drive                          | PENSACOLA              | FL    | 32504               |
| GULFSIDE LANDSCAPING INC              |              | 8221 Kipling Street                         | PENSACOLA              | FL    | 32514               |
| GONZALEZ PLUMBING & SPRINKLER         |              | 1801 Government Street                      | PENSACOLA              | FL    | 32502               |
| AIR DESIGN SYSTEMS INC.               |              | 400 Lurton St                               | PENSACOLA              | FL    | 32505               |
| ALL PRO PLUMBING & DRAIN              |              | 1765 E Nine Mile Rd Ste 1                   | PENSACOLA              | FL    | 32514               |
| ARTO'S SEWER & DRAIN SERVICE INC      |              | 2923 Rhythm St                              | PENSACOLA              | FL    | 32505               |
| CERTIFIED PLUMBING SEWER & GAS        |              | 7075 N Blue Angel Pkwy                      | PENSACOLA              | FL    | 32526               |
| PRICHARDS PLUMBING                    |              | 40 Olive Rd                                 | PENSACOLA              | FL    | 32514               |
| I NOTARDOT LONDING                    |              |   |                        |       |                     |
| AGGRESSIVE PLUMBING                   |              | 1220 Maura St                               | PENSACOLA              | FL    | 32503               |

#### TABLE 6

## ADVISORY NOTICE DISTRIBUTION LIST WATER WELL, IRRIGATION/PLUMBING, AND POOL CONTRACTORS

#### OU-2 AGRICO SITE PENSACOLA, FLORIDA

| NAME                                 | COMPANY NAME | ADDRESS                 | CITY        | STATE | POSTAL CODE |
|--------------------------------------|--------------|-------------------------|-------------|-------|-------------|
| KIMMON PLUMBING INC.                 |              | 2560 Gulf Breeze Ave    | PENSACOLA   | FL    | 32507       |
| GMC PLUMBING CONTRACTOR              |              | 664 Whitney Dr          | PENSACOLA   | FL    | 32503       |
| CASEY HYMAN PLUMBING INC             |              | 5650 Dixie Dr           | PENSACOLA   | FL    | 32503       |
| BALDWIN PLUMBING WORKS INC           |              | 3521 Bauer Rd           | PENSACOLA   | FL    | 32506       |
| PLUMBERSMITH                         |              | 9312 Bridlewood Rd      | PENSACOLA   | FL    | 32526       |
| VIP POOLS                            |              | 3303 N. Davis Hwy.      | PENSACOLA   | FL    | 32503       |
| POOL CARE                            |              | 600 Careondelay Drive   | PENSACOLA   | FL    | 32506       |
| KENNY SMITHS POOL CARE               |              | 7134 Inniswold Drive    | PENSACOLA   | FL    | 32526       |
| LORING IRRIGATION                    |              | 2406 Escambia Avenue    | PENSACOLA   | FL    | 32503       |
| THE FINISH LINE COMPANIES            |              | 3370 Pursell Lane       | PENSACOLA   | FL    | 32526       |
| GULF STREAM LANDSCAPING & IRRIGATION |              | 8449 Old Palafox Street | PENSACOLA   | FL    | 32504       |
| KEN GRIFFIN LANDSCAPE CONTRACTORS    |              | 3004 Westfield Road     | GULF BREEZE | FL    | 32563       |
| LAYNE CHRISTENSEN CO                 |              | 3720 N. Palafox Street  | PENSACOLA   | FL    | 32505       |
| K C W WATER WELL SERVICE             |              | 4765 Shelfer Road       | TALLAHASSEE | FL    | 32305       |
| DRILLING SOLUTIONS IINC.             |              | 5624 Pasture Lane       | JAY         | FL    | 32565       |
| AQUA POOL & PATIO                    |              | 5904 N. Palafox St      | PENSACOLA   | FL    | 32503       |
| SURFSIDE POOLS                       |              | 6677 Old Bagdad Hwy.    | MILTON      | FL    | 32583       |

## TABLE 7 **IRRIGATION WELL INFORMATION**

| ID | PERMIT   | NAME   | STREET                | DIAMETER<br>(INCHES) | DEPTH<br>FT. BLS | CASING<br>FT. BLS | AQUIFER | ABANDONMENT<br>OFFER LETTER SENT | IRRIGATION<br>WELL SAMPLED | DATE<br>SAMPLED | WELL<br>ABANDONED | REMARKS   |
|----|----------|--|-----------------------|----------------------|------------------|-------------------|---------|----------------------------------|----------------------------|-----------------|-------------------|---|
| 1  |          | C.E. Anderson                                  | 905 TEXAR DRIVE       | 2                    | 85               | 75                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 2  | 41(HC-1) | Holy Cross<br>Cemetary Diocese<br>of Pensacola | 1300 E. HAYES         | 4                    | 160              | 140               | MPZ     | YES                              | YES                        | 11/28/2000      |                   | Two wells exist for cemetary, for sampling purposes labeled HC-1 and HC-2 |
|    | 41(HC-2) | Holy Cross<br>Cemetary Diocese<br>of Pensacola | 1300 E. HAYES         | 4                    | 160              | 140               | MPZ     | YES                              | YES                        | 11/28/2000      |                   | Two wells exist for cemetary, for sampling purposes labeled HC-1 and HC-2 |
| 3  | 81       | C. Hass  | 349 SILVER ROAD       | 4                    | 82               | 82                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 4  | 82       | W.S. VanMetre                                  | 1221 TEXAR            | 4                    | 95               | 95                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 5  | 97       | O. English                                     | 3803 N. 10TH AVE.     | 4                    | 71               | 130               | 120     | yes                              | YES                        | 3/13/2001       |                   |   |
| 6  | 103      | Dr. D. McGraw                                  | 1680 TEXAR            | 4                    | 71               | 61                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 7  | 109      | K. Wolfersterger                               | 2700 MAGNOLIA AVE.    | 4                    | 115              | 100               | MPZ     | YES                              | NO                         |                 |                   |   |
| 8  | 110      | Edsel, Jr                                      | 2721 BLACKSHEAR       | 4                    | UNK              | UNK               | UNK     | RETURNED                         | NO                         |                 |                   |   |
| 9  | 111      | J. Colley                                      | 1750 E. TEXAR DR.     | 2                    | 85               | 80                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 10 |          | Curry  | 2701 N. 16TH AVE.     | 4                    | 158              | 143               | MPZ     | YES                              | YES                        | 3/15/2001       |                   |   |
| 11 |          |  | 3632 MENENDEZ DR.     | 4                    | 73               | 63                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 12 | 124      |  | 2909 BLACKSHEAR       | 4                    | 87               | 77                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 13 | 127      |  | 2706 BLACKSHEAR       | 4                    | 85               | 75                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 14 | 135      |  | 2914 BLACKSHEAR       | 2                    | 50               | 45                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 15 | 139      |  | 3970 MENENDEZ DR.     | 4                    | 110              | 100               | MPZ     | YES                              | NO                         |                 |                   | Well capped under land surface. Not Used                                  |
| 16 | 140      | M. Johnson                                     | 1650 E. HAYES ST.     | 4                    | 120              | 110               | MPZ     | YES                              | YES                        | 11/28/2000      |                   |   |
| 17 | 142      |  | 3003 MAGNOLIA AVE     | NA                   | NA               | NA                | NA      | YES                              | NA                         | NA              |                   | No well found at location   |
| 18 | 143      | F. Clayborn                                    | 1640 E. HAYES ST.     | 4                    | 125              | 110               | MPZ     | YES                              | NO                         |                 | 2/27/2001         | Well exists. Irrigation System Not Used.                                  |
| 19 | 144      | Dr. Willis (Family<br>Practice)                | 915 E. FAIRFIELD DR   | 4                    | 120              | 110               | MPZ     | YES                              | YES                        | 5/10/2001       |                   |   |
| 20 | 160      |  | 3966 MENENDEZ         | 4                    | 117              | 107               | MPZ     | YES                              | NO                         |                 |                   |   |
| 21 |          |  | 4130 MENENDEZ         | 2                    | 45               | 40                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 22 |          |  | 3080 BLACKSHEAR AVE   | 2                    | 68               | 63                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 23 | P9407748 | Henry Langhorn                                 | 1725 EAST MAURA ST    | 4                    | 140              | 120               | MPZ     | YES                              | NO                         |                 |                   |   |
| 24 | P9503948 | Floral Tree<br>Gardens                         | 3601 NORTH DAVIS HWY. | 4                    | 115              | 100               | MPZ     | YES                              | NO                         |                 |                   |   |
| 25 | T8301727 | Fred Levin                                     | 3600 MENENDEZ         | 2                    | 35               | 30                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                                |
| 26 | T8402575 | W.L. Glaze                                     | 2675 N. 17TH AVENUE   | 4                    | 140              | 120               | MPZ     | RETURNED                         | NO                         |                 |                   |   |
| 27 | T8403811 | Mrs. Dorothy<br>Bearman                        | 1501 GAMARA ROAD      | 4                    | 110              | 100               | MPZ     | YES                              | NO                         |                 |                   |   |
| 28 | T8707396 | Richard and Sarah<br>Sanchez                   | 1221 DURNFORD PLACE   | 4                    | 140              | 130               | MPZ     | YES                              | YES                        | 3/1/2001        |                   |   |
| 29 | T8800778 | William C. Baker                               | 1250 DRIFTWOOD DRIVE  | 4                    | 110              | 90                | MPZ     | YES                              | NO                         |                 |                   |   |

## TABLE 7 IRRIGATION WELL INFORMATION

| ID | PERMIT   | NAME                         | STREET                 | DIAMETER<br>(INCHES) | DEPTH<br>FT. BLS | CASING<br>FT. BLS | AQUIFER | ABANDONMENT<br>OFFER LETTER SENT | IRRIGATION<br>WELL SAMPLED | DATE<br>SAMPLED | WELL<br>ABANDONED | REMARKS  |
|----|----------|------------------------------|------------------------|----------------------|------------------|-------------------|---------|----------------------------------|----------------------------|-----------------|-------------------|--|
| 30 | T8905178 | Leroy Gamlin                 | 1005 TUNIS STREET      | 4                    | 116              | 106               | MPZ     | YES                              | NO                         |                 |                   |  |
| 31 | T9005951 | Joseph Bores                 | 4100 MENENDEZ DRIVE    | 4                    | 130              | 120               | MPZ     | YES                              | YES                        | 11/28/2000      |                   |  |
| 32 | T9103343 | Charles R. Earnest           | 1900 EAST LEONARD ST.  | 4                    | 151              | 121               | MPZ     | YES                              | YES                        | 11/28/2000      |                   | Well Resampled 5-10-01 to confirm PCE detection  |
|    |          | Dr. Peter C.                 |                        |                      |                  |                   |         |                                  |                            |                 |                   |  |
| 33 | T9104961 |                              | 1660 TEXAR DRIVE       | 2                    | 84               | 74                | SZ      | NO                               | NO                         |                 |                   |  |
| 34 |          |                              | 800 E. BAARS ST        | 4                    | 120              | 60                | MPZ     | YES                              | NO                         |                 |                   | 808 E. Baars sharing well at 800 E. Baars        |
| 35 | T9206908 | John C. Sowers               | 3090 BLACKSHEAR AVE    | 2                    | 90               | 80                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ       |
| 36 | T9304906 | J.E. Boatwright Jr.          | 2575 PARADISE POINT DR | 4                    | 120              | 100               | MPZ     | YES                              | YES                        | 3/1/2001        |                   |  |
| 37 | T9701332 | Elisabeth Holmes             | 1781 E. LEONARD ST.    | 2                    | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |  |
| 38 | T9800088 |                              | 1775 EAST TEXAR DR     | 4                    | UNK              | UNK               | UNK     | YES                              | YES                        | 11/29/2000      |                   |  |
| 39 | P9405922 | Randy Head                   | 2015 E. Maura St       | NA                   |                  |                   | NA      | YES                              | NA                         |                 |                   | No well found at location                        |
| 40 | 158      | N. Kinder                    | 1227 BARCIA DR.        | UNK                  | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |  |
| 41 | 162      | W. Veasie                    | 1271 DRIFTWOOD DR.     | 4                    | 96               | 73                | SZ      | NO                               | no                         |                 |                   | Outside of area of expected impacts for SZ       |
| 42 | 171      | D. Tringas                   | 2621 PARADISE POINT    | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 3/1/2001        |                   |  |
| 43 | 172      | B. Samples                   | 1009 EAST TUNIS        | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 11/28/2000      |                   |  |
| 44 | 178      | C. Davis                     | 1555 EAST CROSS ST.    | 2                    | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |  |
| 45 |          | Moss & Bessie<br>Wilson      | 3510 N. 9TH AVE        | NA                   | NA               | NA                | NA      | NO                               | NA                         |                 |                   | No well found at location                        |
| 46 |          | John & Priscilla<br>Snyder   | 2912 BLACKSHEAR AVE    | UNK                  | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |  |
| 47 |          | David & Jean Mayo            | 3030 BLACKSHEAR AVE    | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 3/1/2001        |                   |  |
| 48 |          | Neroy & Lois<br>Anderson     | 1301 E FISHER ST       | UNK                  | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |  |
| 49 |          | Jude & Nancy<br>White        | 1710 E CROSS ST        | 4                    | 140              |                   | UNK     | YES                              | YES                        | 8/25/1999       |                   | Results in the First annual report OU-2 (2/2000) |
| 50 |          | Mr. Glen McDonald            | 2860 BLACKSHEAR AVE    | UNK                  | UNK              | UNK               | UNK     | RETURNED                         | NO                         |                 |                   |  |
| 51 |          | John & Sue<br>Woodward       | 2710 BLACKSHEAR AVE    | 4                    | 100              | 90                | MPZ     | YES                              | YES                        | 3/1/2001        |                   |  |
| 52 | 159      | Amos &<br>Clementine Prevatt | 2712 BLACKSHEAR AVE    | 2                    | 55               | 45                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ       |
| 53 | 80       | Howard & Joyce<br>Rein       | 2101 E CROSS ST        | 4                    | 130              | 120               | MPZ     | YES                              | YES                        | 11/28/2001      |                   |  |
| 54 |          | Diocese of<br>Pensacola      | 1231 DURNFORD PL       | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 11/28/2001      |                   | Bishop's Residence                               |
| 55 |          | Larry & Catherine<br>Parks   | 1210 DURNFORD PL       | 4                    | 145              | 130               | MPZ     | YES                              | NO                         |                 | 2/27/2001         |  |

## TABLE 7 **IRRIGATION WELL INFORMATION**

## Agrico Site Pensacola, Florida

| ID | PERMIT | NAME                            | STREET             | DIAMETER<br>(INCHES) | DEPTH<br>FT. BLS | CASING<br>FT. BLS | AQUIFER | ABANDONMENT<br>OFFER LETTER SENT | IRRIGATION<br>WELL SAMPLED | DATE<br>SAMPLED | WELL<br>ABANDONED | REMARKS   |
|----|--------|---------------------------------|--------------------|----------------------|------------------|-------------------|---------|----------------------------------|----------------------------|-----------------|-------------------|---|
| 56 |        | Dennis & Betty<br>Peters        | 3990 MENENDEZ DR   | 4                    | 78               | 65                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                          |
|    |        | Jack & Carolyn                  |                    |                      |                  |                   |         |                                  |                            |                 |                   |   |
| 57 |        | Fleming                         | 4010 MENENDEZ DR   | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 11/28/2000      |                   |   |
| 58 |        | Richard & Page<br>Ciordia       | 4020 MENENDEZ DR   | 4                    | 92               | 82                | SZ      | NO                               | NO                         |                 |                   | Outside of area of expected impacts for SZ                          |
| 59 |        | Garrett & Joyce<br>Boyd         | 1261 STOW AVE      | UNK                  | UNK              | UNK               | UNK     | YES                              | NO                         |                 |                   |   |
| 60 |        |                                 | 4141 MENENDEZ DR   | 4                    | 115              | 100               | MPZ     | YES                              | YES                        | 11/29/2000      |                   |   |
| 62 |        | C.E. Davis                      | 808 BAARS ST.      | UNK                  | UNK              | UNK               | UNK     | YES                              | YES                        | 3/13/2001       |                   |   |
| 63 |        | Escambia County<br>Park Service | CARRIE MILLER PARK | 4                    | 90               | 70                | SZ      | NO                               | NO                         |                 |                   | Downgradient of FDEP Kaiser Site; drilled after moratory initiated. |

Notes:

Permit = Northwest Florida Water Management District Permit Number

Aquifer = SZ = Surficial zone of Sand-and-Gravel Aquifer; MPZ = Main producing zone of Sand-and-Gravel Aquifer;

Unknown = No well construction inform; UNK= Data Unknown

NA = Not Applicable

ft. bls = feet below land surface

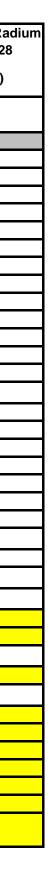
Data from the NWFWMD onlin mapping application : http://webapub.sjrwmd.com/agws10/nwwmdpermit/

No new wells found during the 2020 data query

| SUMMARY  | TOTAL |
|--|-------|
| NUMBER OF NOTIFICATIONS OF VOLUNTARY ABANDONMENT OFFER   | 41    |
| NUMBER OF LOCATIONS WHERE SURFICIAL ZONE IRRIGATION WELLS EXIST BUT<br>NO POTENTIAL FOR IMPACTS BY AGRICO-RELATED CONSTITUENTS | 8     |
| WRONG INFORMATION - NO WELL PRESENT AT LOCATION  | 1     |
| NUMBER OF ADDITIONAL IRRIGATION WELLS IDENTIFIED<br>(1 additional well identified at Holy Cross Cemetery)                      | 1     |
| TOTAL NUMBER OF IRRIGATION WELLS IDENTIFIED  | 60    |
| TOTAL NUMBER OF WELLS ABANDONED THROUGH FEBRUARY 2001.   | 0     |
| NUMBER OF WELLS SAMPLED THROUGH FEBRUARY 2001.   | 12    |

| Well ID | Date            | Fluoride | Arsenic  | Lead      | Chloride | Sulfate      | Nitrate-N | Radium 226                | Radium 228      | Combined Rac<br>226 + 228 |
|---------|-----------------|----------|----------|-----------|----------|--------------|-----------|---------------------------|-----------------|---------------------------|
| Weinid  | Date            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)       | (mg/L)    | (pCi/L)                   | (pCi/L)         | (pCi/L)                   |
| -       | RMANCE<br>NDARD | 4        | 0.01*    | 0.015     | 250      | 250          | 10        |                           |                 | 5                         |
|         |                 |          |          |           | Su       | rficial Zone |           |                           |                 |                           |
|         | 5/9/1997        | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/10/1997      | <0.2     | <0.010   | <0.0050   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/4/1998        | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/23/1998      | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/25/1999       | <0.2     | <0.01    | <0,005    | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/17/1999      | <0.2     | <0.010   | <0.0050   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/15/2000       | <0.2     | <0.010   | <0.0050   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/14/2000      | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/9/2001        | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/15/2001      | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/15/2002       | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/19/2002      | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/7/2003        | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 1/13/2004       | < 0.2 U  | < 0.01 U | < 0.005 U | 4.9      | 50           | 3.4 J     | 0.67 J+/- 0.21            | 5.08 +/- 0.92   | 5.8                       |
|         | 5/11/2004       | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/9/2004       | < 0.2    | < 0.01   | < 0.005   | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/10/2005       | 0.2      | 0.01     | 0.005     | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/8/2005       | < 0.2 U  | < 0.01 U | < 0.005 U | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/15/2006       | <0.2 U   | < 0.01 U | < 0.005 U | NA       | NA           | NA        | NA                        | NA              | NA                        |
| ACB-31S | 11/14/2006      | < 0.2 U  | < 0.01 U | < 0.005 U | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 5/16/2007       | < 0.1 U  | < 0.01 U | < 0.005 U | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/15/2007      | < 0.2 U  | < 0.01 U | < 0.005 U | 7.9      | 50           | 4.8       | 0.829 +/- 0.16            | 5.25 +/- 0.61   | 6.08                      |
|         | 5/15/2008       | < 0.2 U  | < 0.01 U | < 0.005 U | NA       | NA           | NA        | NA                        | NA              | NA                        |
|         | 11/13/2008      | < 0.2 U  | < 0.01 U | < 0.005 U | 5.1      | 51           | 6.5       | 0.68 +/- 0.16             | 6.59 +/- 0.63   | 7.27                      |
|         | 11/19/2009      | < 0.1 U  | < 0.01 U | NA        | 5.3      | 44           | 4.9       | 0.708 +/- 0.18            | 5.58 +/- 0.55   | 6.29                      |
|         | 11/16/2010      | <0.10    | NA       | NA        | 3.2      | 43           | 6.8       | 0.611 +/- 0.21            | 4.35 +/- 0.71   | 4.96                      |
|         | 11/8/2011       | <0.10    | NA       | NA        | 5.5      | 52           | 3.4       | 0.498 +/- 0.18            | 4.49 +/- 0.93   | 4.99                      |
|         | 11/6/2012       | <0.10    | NA       | NA        | 3.5      | 39           | 1.9       | 0.474 +/- 0.19            | 4.99 +/- 0.81   | 5.46                      |
|         | 11/5/2013       | <0.10    | NA       | NA        | 3.1      | 36           | 2.4       | 0.184 +/- 0.17            | 4.15 +/- 0.74   | 4.33                      |
|         | 11/12/2014      | <0.10    | NA       | NA        | 2.1      | 37           | 2.4       | 0.43 +/- 0.17             | 4.59 +/- 0.79   | 5.02                      |
|         | 11/18/2015      | < 0.032  | NA       | NA        | 2.6      | 38           | 1.4       | <0.292 +/- 0.20           | 3.28 +/- 0.68   | 3.57                      |
|         | 11/8/2016       | <0.10    | NA       | NA        | 1.9      | 35           | 1.9       | 0.464 +/- 0.25            | 3.04 +/- 0.57   | 3.5                       |
|         | 11/7/2017       | <0.10    | NA       | NA        | 2.1      | 29           | 1.7       | 0.228 +/- 0.17            | 2.83 +/- 0.58   | 3.06                      |
|         | 11/6/2018       | <0.10    | NA       | NA        | 2.6      | 21           | 1.2       | 0.252 +/- 0.109           | 2.58 +/- 0.468  | 2.83                      |
|         | 11/12/2019      | 0.11     | NA       | NA        | 4.8      | 120          | 3.9       | 0.521 +/- 0.147           | 2.72 +/- 0.564  | 3.24                      |
|         | 11/10/2020      | <0.10    | NA       | NA        | 4.4 J    | 17 J         | 1.1       | < 0.197 +/- 0.179         | 1.55 +/- 0.372  | 1.75                      |
|         | 11/4/2021       | 0.19     | NA       | NA        | 1.4      | 2.4          | 0.20      | < - 0.00405 +/-<br>0.0531 | 0.459 +/- 0.241 | 0.45                      |

## Agrico Site Pensacola, Florida



| Well ID | Date            | Fluoride | Arsenic | Lead      | Chloride | Sulfate      | Nitrate-N | Radium 226         | Radium 228        | Combined Rac<br>226 + 228 |
|---------|-----------------|----------|---------|-----------|----------|--------------|-----------|--------------------|-------------------|---------------------------|
| weirid  | Date            | (mg/L)   | (mg/L)  | (mg/L)    | (mg/L)   | (mg/L)       | (mg/L)    | (pCi/L)            | (pCi/L)           | (pCi/L)                   |
|         | RMANCE<br>NDARD | 4        | 0.01*   | 0.015     | 250      | 250          | 10        |                    |                   | 5                         |
|         |                 |          |         |           | Su       | rficial Zone |           |                    |                   |                           |
|         | 4/15/1987       | 16       | 0.010   | NA        | 7.4      | 143          | NA        | NA                 | NA                | NA                        |
|         | 10/1/1990       | 63       | 0.74    | <0.005    | 18       | 260          | 12        | NA                 | NA                | NA                        |
|         | 2/4/1992        | 94       | 0.164   | < 0.005   | 20       | 290          | 15        | 0.4 +/- 0.10       | 1.2 +/- 1         | 1.6                       |
|         | 9/28/1997       | 130      | 0.058   | NA        | 10       | 150          | 9         | < 0.6 +/- 0.03     | 1.7 +/- 0.48      | 2.3                       |
|         | 11/17/1999      | 98       | 0.029   | NA        | 7        | 57           | 5         | < 1. +/- 0.94      | < 1.5 +/- 0.90    | 2.5                       |
|         | 11/21/2000      | 150      | 0.048   | NA        | 6.8      | 48           | 5.6       | 0.5 +/- 0.20       | 1.9 +/- 1.50      | 2.4                       |
|         | 11/15/2001      | 190      | 0.036   | NA        | 6        | 23           | 3.8       | 0.1 +/- 0.07       | 2.8 +/- 1         | 2.9                       |
|         | 11/26/2002      | 210      | 0.042   | NA        | 5.7      | 22           | 3.6       | 0.1 +/- 0.07       | 0. +/- 0.60       | 0.1                       |
|         | 1/23/2004       | 170      | 0.046   | < 0.005 U | 5.7      | 15           | 3.5       | < 0.25 U+/- 0.17   | < 1.1 U+/- 0.66   | 0.79                      |
|         | 11/17/2004      | 100      | 0.027   | NA        | 7.1      | < 5.         | 3         | 0.134 +/- 0.08     | 0.286 +/- 0.31    | 0.420                     |
|         | 11/15/2005      | 73       | 0.021   | NA        | 8.8      | 59           | 3.9       | 0.103 J+/- 0.0690  | 0.649 J+/- 0.34   | 0.752                     |
|         | 11/28/2006      | 85       | 0.029   | NA        | 9.1      | 69           | 4         | 0.032 +/- 0.0750   | -0.382 +/- 0.19   | -0.35                     |
|         | 11/21/2007      | 50       | 0.016   | NA        | 5.3      | < 5. U       | 1.9       | 0.041 +/- 0.0790   | 0.0402 +/- 0.13   | 0.081                     |
| AC-2S   | 11/19/2008      | 54       | 0.02    | < 0.005 U | 7.6      | < 5. U       | 3.2       | 0.0442 +/- 0.0860  | -0.0882 +/- 0.21  | -0.0440                   |
|         | 11/18/2009      | 44       | 0.017   | NA        | 4.9      | 31           | 2.7       | 0.191 +/- 0.11     | 0.0314 +/- 0.19   | 0.222                     |
|         | 11/29/2010      | 48       | 0.024   | NA        | 6.1      | 44           | 3.4       | 0.0772 +/- 0.082   | 0.449 +/- 0.26    | 0.526                     |
|         | 11/16/2011      | 68       | 0.024   | NA        | 7.5      | 54           | 6.2       | 0.168 +/- 0.13     | 0.0656 +/- 0.27   | 0.234                     |
|         | 11/14/2012      | 43       | 0.016   | NA        | 4.3      | 62           | 4.6       | 0.0957 +/- 0.16    | 0.118 +/- 0.24    | 0.214                     |
|         | 11/12/2013      | 36       | 0.016   | NA        | 3.8      | 59           | 3.3       | 0.0439 +/- 0.13    | 0.273 +/- 0.27    | 0.317                     |
|         | 11/12/2014      | 34       | 0.02    | NA        | 4.2      | 73           | 3.1       | 0.0951 +/- 0.10    | 0.309 +/- 0.40    | 0.404                     |
|         | 11/18/2015      | 33       | 0.027   | NA        | 5.1      | 100          | 3.2       | 0.311 J+/- 0.17    | <0.472 U+/- 0.30  | 0.731                     |
|         | 11/9/2016       | 19       | 0.016   | NA        | 3.6      | 61           | 3.2       | 0.0622 +/- 0.19    | 0.813 +/- 0.30    | 0.875                     |
|         | 11/7/2017       | 20       | 0.013   | NA        | 4.2      | 75           | 3.4       | 0.205 +/- 0.19     | 0.757 +/- 0.32    | 0.962                     |
|         | 11/6/2018       | 23       | 0.014   | NA        | 4.1      | 73           | 2.8       | 0.193 +/- 0.102    | 0.424 +/- 0.238   | 0.617                     |
|         | 11/12/2019      | 29       | 0.020   | NA        | 3.8      | 80           | 2.6       | < 0.104 +/- 0.0786 | < 0.301 +/- 0.334 | 0.405                     |
|         | 11/10/2020      | 29 J     | 0.012   | NA        | 3.5 J    | 68 J         | 1.7       | < 0.123 +/- 0.178  | 0.406 +/- 0.213   | 0.529                     |
|         | 11/2/2021       | 22       | < 0.010 | NA        | 2.6      | 47           | 1.4       | < 0.124 +/- 0.107  | 0.611 +/- 0.272   | 0.735                     |

## Agrico Site Pensacola, Florida



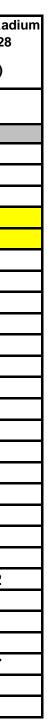
| Well ID | Date            | Fluoride   | Arsenic  | Lead      | Chloride | Sulfate     | Nitrate-N | Radium 226      | Radium 228      | Combined Rac<br>226 + 228 |
|---------|-----------------|------------|----------|-----------|----------|-------------|-----------|-----------------|-----------------|---------------------------|
| weirid  | Date            | (mg/L)     | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)      | (mg/L)    | (pCi/L)         | (pCi/L)         | (pCi/L)                   |
|         | RMANCE<br>NDARD | 4          | 0.01*    | 0.015     | 250      | 250         | 10        |                 |                 | 5                         |
|         |                 |            |          |           | Main P   | Producing Z | one       |                 |                 |                           |
|         | 4/15/1987       | 5.1        | <0.004   | NA        | 14.7     | 22          | 3.37      | NA              | NA              | NA                        |
|         | 10/1/1990       | 5.1        | <0.01    | <0.005    | 15       | 10          | 3.5       | NA              | NA              | NA                        |
|         | 2/4/1992        | 5.2        | < 0.01   | 0.0057    | 16       | 7.4         | 3.5       | 2.8 +/- 0.30    | 7. +/- 1.30     | 9.8                       |
|         | 9/30/1997       | 2.9        | < 0.01   | NA        | 12       | 26          | 5.6       | 0.6             | < 1. +/- 0.45   | 1.6                       |
|         | 11/17/1999      | <u>3.5</u> | < 0.01   | NA        | 11       | 15          | 3.6       | < 1. +/- 0.49   | < 1.5 +/- 0.83  | 2.5                       |
|         | 11/21/2000      | 3          | < 0.01   | NA        | 9.8      | 19          | 4.4       | 1. +/- 0.20     | 2.7 +/- 0.90    | 3.7                       |
|         | 11/15/2001      | 3          | < 0.01   | NA        | 9.4      | 17          | 3.5       | 1. +/- 0.20     | 2.5 +/- 1       | 3.5                       |
|         | 11/26/2002      | 3.2        | < 0.01   | NA        | 9.1      | 18          | 2.5       | 1.1 +/- 0.20    | 2. +/- 0.80     | 3.1                       |
|         | 1/23/2004       | 2.9        | < 0.01 U | < 0.005 U | 9        | 13          | 2.5       | 1.05 +/- 0.25   | 1.54 +/- 0.71   | 2.59                      |
|         | 11/17/2004      | 2.7        | < 0.01   | NA        | 9.1      | 14          | 2.6       | 1.09 +/- 0.17   | 1.42 +/- 0.37   | 2.51                      |
|         | 11/14/2005      | 2.3        | < 0.01 U | NA        | 9.2      | 16          | 2.8       | 0.983 J+/- 0.27 | 1.85 +/- 0.51   | 2.83                      |
|         | 11/28/2006      | 2.2        | < 0.01 U | NA        | 8.2      | 15          | 2.5       | 0.896 +/- 0.14  | 1.16 +/- 0.28   | 2.06                      |
|         | 11/21/2007      | 2.5        | < 0.01 U | NA        | 7.8      | 16          | 3.3       | 0.843 +/- 0.17  | 1.22 +/- 0.28   | 2.06                      |
| AC-2D   | 11/19/2008      | 2          | < 0.01 U | < 0.005 U | 8.8      | 13          | 2.5       | 0.994 +/- 0.16  | 1.17 +/- 0.31   | 2.16                      |
|         | 11/18/2009      | 2          | < 0.01 U | NA        | 8.4      | 15          | 2.3       | 1.2 +/- 0.18    | 1.7 +/- 0.34    | 2.9                       |
|         | 11/29/2010      | 2.3        | NA       | NA        | 8.3      | 16          | 2.6       | 1.31 +/- 0.39   | 1.59 +/- 0.39   | 2.90                      |
|         | 11/16/2011      | 2.3        | NA       | NA        | 7.6      | 17          | 2         | 1.06 +/- 0.22   | 1.71 +/- 0.42   | 2.77                      |
|         | 11/14/2012      | 2.2        | NA       | NA        | 6.9      | 17          | 2.1       | 0.744 +/- 0.27  | 1.94 +/- 0.54   | 2.68                      |
|         | 11/12/2013      | 2.3        | NA       | NA        | 7.0      | 17          | 5.3       | 0.887 +/- 0.27  | 1.43 +/- 0.41   | 2.32                      |
|         | 11/12/2014      | 2.2        | NA       | NA        | 6.8      | 16          | 2         | 0.911 +/- 0.25  | 1.31 +/- 0.45   | 2.22                      |
|         | 11/18/2015      | 2.1        | NA       | NA        | 6.4      | 18          | 1.8       | 1.24 +/- 0.42   | 1.84 +/- 0.48   | 3.08                      |
|         | 11/9/2016       | 1.5        | NA       | NA        | 6.5      | 17          | 1.7       | 0.661 +/- 0.31  | 1.92 +/- 0.44   | 2.58                      |
|         | 11/7/2017       | 1.8        | NA       | NA        | 5.3      | 18          | 1.7       | 1.05 +/- 0.32   | 2.00 +/- 0.45   | 3.05                      |
|         | 11/6/2018       | 2.3        | NA       | NA        | 4.6      | 20          | 1.6       | 0.813 +/- 0.210 | 1.21 +/- 0.307  | 2.02                      |
|         | 11/13/2019      | 2.0        | NA       | NA        | 5.0      | 19          | 1.4       | 1.30 +/- 0.230  | 1.59 +/- 0.421  | 2.89                      |
|         | 11/11/2020      | 2.5 J      | NA       | NA        | 4.8 J    | 21 J        | 1.1       | 1.22 +/- 0.357  | 0.793 +/- 0.267 | 2.01                      |
|         | 11/2/2021       | 2.1        | NA       | NA        | 4.9      | 21          | 1.1       | 1.05 +/- 0.259  | 1.62 +/- 0.432  | 2.67                      |

# Agrico Site Pensacola, Florida



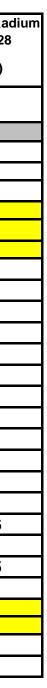
| Well ID | Date            | Fluoride | Arsenic  | Lead      | Chloride | Sulfate    | Nitrate-N | Radium 226      | Radium 228     | Combined Rac<br>226 + 228 |
|---------|-----------------|----------|----------|-----------|----------|------------|-----------|-----------------|----------------|---------------------------|
| Weinib  | Dale            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)     | (mg/L)    | (pCi/L)         | (pCi/L)        | (pCi/L)                   |
|         | RMANCE<br>NDARD | 4        | 0.01*    | 0.015     | 250      | 250        | 10        |                 |                | 5                         |
|         |                 | -        | -        |           | Main P   | roducing Z | one       |                 |                | _                         |
|         | 4/15/1987       | 105      | 0.041    | NA        | 376      | 686        | 52.2      | NA              | NA             | NA                        |
|         | 10/1/1990       | 75       | <0.01    | <0.005    | 150      | 680        | 47        | NA              | NA             | NA                        |
|         | 2/5/1992        | 80       | < 0.01   | 0.0059    | 270      | 500        | 42        | 8.4 +/- 0.40    | 12             | 20.4                      |
|         | 9/28/1997       | 46       | < 0.01   | NA        | 110      | 460        | 27        | 0.81 +/- 0.07   | NA             | 0.81                      |
|         | 11/19/1999      | 14       | < 0.01   | NA        | 19       | < 5.       | 12        | < 1. +/- 0.54   | 2.1            | 3.1                       |
|         | 11/21/2000      | 18       | < 0.01   | NA        | 32       | 240        | 15        | 1. +/- 0.20     | 6.5 +/- 1.20   | 7.5                       |
|         | 11/14/2001      | 13       | < 0.01   | NA        | 22       | 250        | 12        | 0.4 +/- 0.10    | 5.4 +/- 1.10   | 5.8                       |
|         | 11/26/2002      | 46       | < 0.01   | NA        | 64       | 380        | 16        | 1.3 +/- 0.20    | 17.8 +/- 2     | 19.1                      |
|         | 1/22/2004       | 34       | < 0.01 U | < 0.005 U | 48       | 300        | 13. J     | 5.04 +/- 0.77   | 20.6 +/- 2.50  | 25.6                      |
|         | 11/17/2004      | 36       | < 0.01   | NA        | 48       | 310        | 14        | 0.934 +/- 0.16  | 12.3 +/- 1.10  | 13.2                      |
|         | 11/15/2005      | 23       | < 0.01 U | NA        | 36       | 300        | 12        | 0.994 J+/- 0.28 | 18. +/- 2.30   | 19.0                      |
|         | 11/22/2006      | 27       | < 0.01 U | NA        | 39       | 330        | 12        | 0.939 +/- 0.27  | 13.2 +/- 0.89  | 14.1                      |
|         | 11/21/2007      | 22       | < 0.01 U | NA        | 24       | 220        | 7.8       | 1.06 +/- 0.22   | 8.12 +/- 0.56  | 9.18                      |
| AC-3D   | 11/13/2008      | 18       | < 0.01 U | < 0.005 U | 25       | 180        | 8.5       | 1.22 +/- 0.19   | 10.9 +/- 0.79  | 12.1                      |
|         | 11/18/2009      | 15       | < 0.01 U | NA        | 20       | 160        | 6.9       | 0.951 +/- 0.18  | 9.9 +/- 0.69   | 10.1                      |
|         | 11/29/2010      | 16       | NA       | NA        | 22       | 160        | 7.8       | 1.74 +/- 0.44   | 12.9 +/- 1.8   | 14.6                      |
|         | 11/15/2011      | 17       | NA       | NA        | 20       | 130        | 7.8       | 1.59 +/- 0.26   | 12.5 +/- 0.90  | 14.1                      |
|         | 11/13/2012      | 16       | NA       | NA        | 20       | 140        | 7.2       | 1.38 +/- 0.39   | 12.7 +/- 1.7   | 14.1                      |
|         | 11/12/2013      | 15       | NA       | NA        | 16       | 130        | 6.1       | 1.14 +/- 0.36   | 9.67 +/- 1.3   | 10.8                      |
|         | 11/11/2014      | 14       | NA       | NA        | 16       | 230        | 5.9       | 0.902 +/- 0.26  | 11.0 +/- 1.5   | 11.9                      |
|         | 11/19/2015      | 13       | NA       | NA        | 14       | 120        | 4.7       | 1.42 +/- 0.40   | 12.1 +/- 1.60  | 13.52                     |
|         | 11/11/2016      | 11       | NA       | NA        | 15       | 120        | 5.4       | 0.772 +/- 0.29  | 7.80 +/- 1.2   | 8.57                      |
|         | 11/8/2017       | 9.3      | NA       | NA        | 9.2      | 100        | 4.9       | 1.07 +/- 0.34   | 7.72 +/- 1.1   | 8.79                      |
|         | 11/6/2018       | 7.6      | NA       | NA        | 5.0      | 81         | 3.1       | 1.26 +/- 0.259  | 4.34 +/- 0.628 | 5.60                      |
|         | 11/13/2019      | 9.8      | NA       | NA        | 9.8      | 110        | 4.5       | 1.34 +/- 0.242  | 9.53 +/- 1.16  | 10.87                     |
|         | 11/10/2020      | 8.2 J    | NA       | NA        | 4.6 J    | 100 J      | 3.0       | 1.36 +/- 0.346  | 6.01 +/- 0.747 | 7.37                      |
|         | 11/4/2021       | 9.5      | NA       | NA        | 8.3      | 150        | 3.8       | 0.980 +/- 0.194 | 8.24 +/- 0.990 | 9.22                      |

## Agrico Site Pensacola, Florida



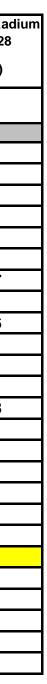
| Well ID | Date            | Fluoride | Arsenic  | Lead      | Chloride | Sulfate    | Nitrate-N | Radium 226      | Radium 228      | Combined Rac<br>226 + 228 |
|---------|-----------------|----------|----------|-----------|----------|------------|-----------|-----------------|-----------------|---------------------------|
| Weinib  | Date            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)     | (mg/L)    | (pCi/L)         | (pCi/L)         | (pCi/L)                   |
|         | RMANCE<br>NDARD | 4        | 0.01*    | 0.015     | 250      | 250        | 10        |                 |                 | 5                         |
|         |                 |          |          |           | Main P   | roducing Z | one       |                 |                 |                           |
|         | 10/1/1990       | 24       | <0.01    | <0.005    | 28       | 290        | 13        | NA              | NA              | NA                        |
|         | 4/9/1992        | 2.6      | < 0.01   | < 0.005   | 8.2      | 39         | 2.8       | NA              | NA              | NA                        |
|         | 9/27/1997       | 8.8      | 0.012    | NA        | 20       | 320        | 11        | 1.5 +/- 0.09    | 6.9 +/- 0.58    | 8.4                       |
|         | 11/19/1999      | 0.52     | < 0.01   | NA        | 6.4      | 7.8        | 2.4       | < 1. +/- 0.09   | < 1.5 +/- 0.68  | 2.5                       |
|         | 11/17/2000      | 6.7      | < 0.01   | NA        | 15       | 130        | 6.8       | 0.5 +/- 0.10    | 3.7 +/- 1       | 4.2                       |
|         | 11/8/2001       | 1.7      | < 0.01   | NA        | 7.3      | 30         | 3.7       | 0.4 +/- 0.20    | 4.5 +/- 1.10    | 4.9                       |
|         | 11/22/2002      | 11       | 0.011    | NA        | 22       | 310        | 10        | 1.9 +/- 0.30    | 8.6 +/- 1       | 10.5                      |
|         | 1/28/2004       | 10       | 0.015    | 0.0052    | 20       | 280        | 11        | 4.13 +/- 0.61   | 14.2 +/- 1.80   | 18.3                      |
|         | 11/11/2004      | 11       | < 0.01   | NA        | 20       | 310        | 12        | 1.84 +/- 0.22   | 7.57 +/- 0.59   | 9.41                      |
|         | 11/10/2005      | 15       | < 0.01 U | NA        | 23       | 290        | 12        | 1.65 +/- 0.40   | 7.59 +/- 1.10   | 9.24                      |
|         | 11/16/2006      | 13       | < 0.01 U | NA        | 21       | 310        | 12        | 1.26 +/- 0.18   | 7.08 +/- 0.65   | 8.34                      |
|         | 11/16/2007      | 20       | < 0.01 U | NA        | 22       | 300        | 12        | 1.62 +/- 0.21   | 7.76 +/- 0.60   | 9.38                      |
|         | 11/13/2008      | 17       | < 0.01 U | < 0.005 U | 23       | 310        | 12        | 1.73 +/- 0.21   | 6.75 +/- 0.59   | 8.48                      |
| AC-12D  | 11/12/2009      | 15       | < 0.01 U | NA        | 22       | 280        | 12        | 1.57 +/- 0.25   | 7.7 +/- 0.68    | 9.3                       |
|         | 11/18/2010      | 14       | NA       | NA        | 22       | 280        | 11        | 1.34 +/- 0.38   | 6.68 +/- 1.3    | 8.0                       |
|         | 11/9/2011       | 14       | NA       | NA        | 18       | 240        | 10        | 4.80 +/- 0.69   | 8.43 +/- 0.75   | 13.2                      |
|         | 11/8/2012       | 15       | NA       | NA        | 18       | 250        | 9.6       | 1.43 +/- 0.39   | 7.88 +/- 1.1    | 9.31                      |
|         | 11/6/2013       | 14       | NA       | NA        | 19       | 260        | 9.0       | 1.27 +/- 0.40   | 8.50 +/- 1.2    | 9.77                      |
|         | 11/20/2014      | 10       | NA       | NA        | 16       | 230        | 8.6       | 2.23 +/- 0.55   | 8.63 +/- 1.2    | 10.86                     |
|         | 11/19/2015      | 12       | NA       | NA        | 18       | 230        | 8.4       | 1.3 +/- 0.41    | 7.2 +/- 1.10    | 8.5                       |
|         | 11/10/2016      | 8.1      | NA       | NA        | 19       | 230        | 8.5       | 1.28 +/- 0.43   | 9.07 +/- 1.3    | 10.35                     |
|         | 11/8/2017       | 7.8      | NA       | NA        | 15       | 180        | 9.6       | 1.25 +/- 0.35   | 5.98 +/- 0.93   | 7.23                      |
|         | 11/7/2018       | 0.80     | NA       | NA        | 11       | 15         | 6.9       | 0.942 +/- 0.219 | 0.892 +/- 0.280 | 1.83                      |
|         | 11/18/2019      | < 0.10   | NA       | NA        | 11       | 1.5        | 7.1       | 0.594 +/- 0.147 | 1.24 +/- 0.341  | 1.83                      |
|         | 11/11/2020      | 9.1 J    | NA       | NA        | 14 J     | 150 J      | 7.9       | 1.49 +/- 0.361  | 3.58 +/- 0.522  | 5.07                      |
|         | 11/3/2021       | 7.4      | NA       | NA        | 13       | 150 F1     | 7.6       | 1.53 +/- 0.257  | 4.67 +/- 0.682  | 6.20                      |

## Agrico Site Pensacola, Florida



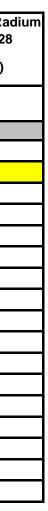
| Well ID | Date            | Fluoride | Arsenic  | Lead      | Chloride | Sulfate    | Nitrate-N | Radium 226     | Radium 228      | Combined Rac<br>226 + 228 |
|---------|-----------------|----------|----------|-----------|----------|------------|-----------|----------------|-----------------|---------------------------|
|         | Date            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)     | (mg/L)    | (pCi/L)        | (pCi/L)         | (pCi/L)                   |
|         | RMANCE<br>NDARD | 4        | 0.01*    | 0.015     | 250      | 250        | 10        |                |                 | 5                         |
|         |                 |          |          |           | Main P   | roducing Z | one       |                |                 | -                         |
|         | 10/1/1990       | 8.6      | <0.01    | <0.005    | 16       | 220        | 8.3       | NA             | NA              | NA                        |
|         | 2/3/1992        | 5.3      | < 0.01   | < 0.005   | 16       | 150        | 8.9       | 4.7 +/- 0.30   | 3.6 +/- 1.10    | 8.3                       |
|         | 9/27/1997       | 4.9      | < 0.01   | NA        | 20       | 260        | 12        | 1.3 +/- 0.09   | 4.1 +/- 0.59    | 5.4                       |
|         | 11/16/2000      | 4.6      | < 0.01   | NA        | 19       | 220        | 11        | 2.8 +/- 0.30   | 5               | 7.8                       |
|         | 11/8/2001       | 4.7      | < 0.01   | NA        | 17       | 210        | 10        | 1.9 +/- 0.20   | 3.7 +/- 1.10    | 5.6                       |
|         | 11/21/2002      | 6.7      | < 0.01   | NA        | 20       | 250        | 11        | 1.3 +/- 0.20   | 5.7 +/- 0.80    | 7                         |
|         | 1/16/2004       | 6.3      | < 0.01 U | < 0.005 U | 22       | 230        | 12        | 1.67 +/- 0.36  | 11.1 +/- 1.70   | 12.77                     |
|         | 11/11/2004      | 7.8      | < 0.01   | NA        | 23       | 260        | 12        | 1.55 +/- 0.19  | 8.2 +/- 0.64    | 9.75                      |
|         | 11/10/2005      | 11       | < 0.01 U | NA        | 25       | 260        | 12        | 2.18 +/- 0.53  | 8.68 +/- 1.20   | 10.86                     |
|         | 11/16/2006      | 14       | < 0.01 U | NA        | 28       | 290        | 14        | 1.55 +/- 0.22  | 7.83 +/- 0.78   | 9.38                      |
|         | 11/19/2007      | 17       | < 0.01 U | NA        | 27       | 300        | 18        | 1.64 +/- 0.23  | 7.41 +/- 0.67   | 9.05                      |
|         | 11/11/2008      | 15       | < 0.01 U | < 0.005 U | 28       | 360        | 13        | 1.32 +/- 0.21  | 5.95 +/- 0.59   | 7.27                      |
| AC-13D  | 11/12/2009      | 15       | 0.011    | NA        | 28       | 300        | 14        | 2.28 +/- 0.31  | 10.5 +/- 0.95   | 12.78                     |
|         | 11/18/2010      | 14       | NA       | NA        | 23       | 290        | 12        | 1.45 +/- 0.39  | 6.84 +/- 1.0    | 8.29                      |
|         | 11/9/2011       | 14       | NA       | NA        | 26       | 300        | 13        | 1.64 +/- 0.25  | 8.18 +/- 0.69   | 9.82                      |
|         | 11/7/2012       | 15       | NA       | NA        | 24       | 290        | 12        | 2.05 +/- 0.54  | 8.99 +/- 1.3    | 11.0                      |
|         | 11/6/2013       | 14       | NA       | NA        | 24       | 310        | 11        | 1.98 +/- 0.50  | 9.60 +/- 1.4    | 11.6                      |
|         | 11/19/2014      | 12       | NA       | NA        | 21       | 250        | 11        | 1.23 +/- 0.39  | 8.24 +/- 1.3    | 9.47                      |
|         | 11/20/2015      | 9.3      | NA       | NA        | 11       | 160        | 10        | 1.51 +/- 0.39  | 7.5 +/- 1.10    | 9.01                      |
|         | 11/10/2016      | 6.8      | NA       | NA        | 22       | 270        | 11        | 0.53 +/- 0.24  | 3.99 + /- 0.68  | 4.52                      |
|         | 11/8/2017       | 7.5      | NA       | NA        | 19       | 230        | 11        | 1.49 +/- 0.50  | 5.57 +/- 0.92   | 7.06                      |
|         | 11/7/2018       | 6.0      | NA       | NA        | 19       | 250        | 10        | 1.50 +/- 0.283 | 5.58 +/- 0.730  | 7.08                      |
|         | 11/25/2019      | 6.8      | NA       | NA        | 19       | 220        | 8.4       | 1.27 +/- 0.217 | 6.94* +/- 0.836 | 8.21                      |
|         | 11/12/2020      | 8 J      | NA       | NA        | 17 J     | 280 J      | 9.6       | 1.57 +/- 0.381 | 4.90 +/- 0.665  | 6.47                      |
|         | 11/3/2021       | < 0.10 * | NA       | NA        | 19       | 220        | 8.6       | 1.38 +/- 0.234 | 5.44 +/- 0.731  | 6.82                      |

## Agrico Site Pensacola, Florida



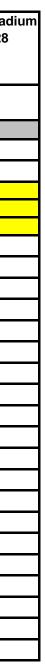
| Well ID                 | Date       | Fluoride | Arsenic  | Lead      | Chloride | Sulfate    | Nitrate-N | Radium 226     | Radium 228     | Combined Rac<br>226 + 228 |
|-------------------------|------------|----------|----------|-----------|----------|------------|-----------|----------------|----------------|---------------------------|
|                         |            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)     | (mg/L)    | (pCi/L)        | (pCi/L)        | (pCi/L)                   |
| PERFORMANCE<br>STANDARD |            | 4        | 0.01*    | 0.015     | 250      | 250        | 10        |                |                | 5                         |
|                         |            |          |          |           | Main P   | roducing Z | one       |                |                |                           |
|                         | 2/19/1992  | 36       | < 0.01   | 0.005     | 200      | 50         | 1.9       | NA             | NA             | NA                        |
|                         | 9/27/1997  | 8.5      | < 0.01   | NA        | 31       | 8.8        | 1.3       | 0.63 +/- 0.06  | < 1. +/- 0.42  | 1.63                      |
|                         | 1/21/2004  | 57       | < 0.01 U | < 0.005 U | 180      | 37         | 3.7       | 2.32 +/- 0.47  | 15.3 +/- 2.20  | 17.6                      |
|                         | 11/18/2008 | 56       | < 0.01 U | < 0.005 U | 200      | 65         | 6.8       | 2.98 +/- 0.28  | 7.41 +/- 0.62  | 10.4                      |
|                         | 11/16/2009 | 59       | < 0.01 U | NA        | 190      | 79         | 5.8       | 2.44 +/- 0.25  | 6.4 +/- 0.60   | 8.8                       |
|                         | 11/23/2010 | 77       | NA       | NA        | 190      | 84         | 6.4       | 2.09 +/- 0.50  | 7.60 +/- 1.1   | 9.7                       |
| 1                       | 11/14/2011 | 65       | NA       | NA        | 160      | 76         | 6.8       | 2.96 +/- 0.35  | 10.0 +/- 0.86  | 13.0                      |
|                         | 11/9/2012  | 67       | NA       | NA        | 190      | 78         | 5.5       | 1.48 +/- 0.42  | 10.9 +/- 1.5   | 12.4                      |
| AC-24D                  | 11/7/2013  | 68       | NA       | NA        | 170      | 86         | 4.5       | 2.02 +/- 0.53  | 10.2 +/- 1.4   | 12.2                      |
|                         | 11/24/2014 | 51       | NA       | NA        | 130      | 75         | 4.2       | 2.12 +/- 0.64  | 7.14 +/- 1.0   | 9.26                      |
|                         | 11/19/2015 | 47       | NA       | NA        | 140      | 77         | 4.4       | 1.17 +/- 0.37  | 7.22 +/- 1     | 8.39                      |
|                         | 11/10/2016 | 33       | NA       | NA        | 120      | 70         | 4.7       | 0.881 +/- 0.31 | 4.14 +/- 0.70  | 5.02                      |
|                         | 11/8/2017  | 45       | NA       | NA        | 96       | 74         | 5.0       | 1.61 +/- 0.47  | 6.05 +/- 0.90  | 7.66                      |
|                         | 11/7/2018  | 24       | NA       | NA        | 48       | 73         | 4.6       | 1.56 +/- 0.295 | 6.71 +/- 0.858 | 8.27                      |
|                         | 11/21/2019 | 30       | NA       | NA        | 86       | 59         | 4.6       | 1.71 +/- 0.278 | 6.81 +/- 0.893 | 8.52                      |
|                         | 11/12/2020 | 45 J     | NA       | NA        | 89 J     | 71 J       | 4.6       | 1.88 +/- 0.381 | 5.02 +/- 0.673 | 6.90                      |
|                         | 11/3/2021  | 0.47 *   | NA       | NA        | 79       | 77         | 3.5       | 1.29 +/- 0.229 | 4.86 +/- 0.685 | 6.15                      |

## Agrico Site Pensacola, Florida



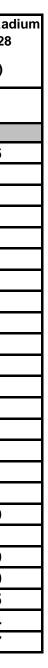
| Well ID | Date                    | Fluoride | Arsenic  | Lead      | Chloride | Sulfate | Nitrate-N | Radium 226     | Radium 228     | Combined Rad<br>226 + 228 |
|---------|-------------------------|----------|----------|-----------|----------|---------|-----------|----------------|----------------|---------------------------|
|         |                         | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)  | (mg/L)    | (pCi/L)        | (pCi/L)        | (pCi/L)                   |
|         | PERFORMANCE<br>STANDARD |          | 0.01*    | 0.015     | 250      | 250     | 10        |                |                | 5                         |
|         |                         |          |          |           |          |         |           |                |                |                           |
|         | 2/15/1992               | 19       | NA       | <0.0050   | 120      | 7.1     | 11        | NA             | NA             | 7.9                       |
|         | 9/24/1997               | 20       | < 0.01   | NA        | 270      | 44      | 2.1       | 2. +/- 0.10    | 3.5 +/- 0.52   | 5.5                       |
|         | 11/19/1999              | 2.6      | < 0.01   | NA        | 45       | < 5.    | 1.9       | < 1. +/- 0.62  | < 1.5 +/- 0.75 | 2.5                       |
|         | 11/17/2000              | 3.3      | < 0.01   | NA        | 46       | 13      | 5.5       | 0.6 +/- 0.10   | 0.6 +/- 0.80   | 1.2                       |
|         | 11/13/2001              | 2.9      | < 0.01   | NA        | 32       | 9.4     | 2.3       | 0.4 +/- 0.10   | 1.1 +/- 0.80   | 1.5                       |
|         | 11/21/2002              | 48       | < 0.01   | NA        | 410      | 80      | 2         | 2.9 +/- 0.30   | 5.1 +/- 0.80   | 8.0                       |
|         | 1/22/2004               | 52       | < 0.01 U | < 0.005 U | 410      | 65      | 2.3 J     | 4.48 +/- 0.72  | 7.6 +/- 1.20   | 12                        |
|         | 11/15/2004              | 57       | < 0.01   | NA        | 440      | 83      | 2.2       | 2.46 +/- 0.23  | 5.6 +/- 0.54   | 8.1                       |
|         | 11/10/2005              | 59       | < 0.01 U | NA        | 390      | 81      | 3.1       | 2.31 +/- 0.52  | 7.73 +/- 1.20  | 10.0                      |
|         | 11/20/2006              | 77       | < 0.01 U | NA        | 430      | 80      | 3.1       | 2.5 +/- 0.35   | 4.53 +/- 0.55  | 7.03                      |
|         | 11/20/2007              | 90       | < 0.01 U | NA        | 390      | 80      | 3.7       | 1.85 +/- 0.29  | 4.08 +/- 0.49  | 5.93                      |
|         | 11/18/2008              | 71       | < 0.01 U | < 0.005 U | 480      | 77      | 3.7       | 2.2 +/- 0.25   | 3.98 +/- 0.51  | 6.18                      |
| AC-25D  | 11/17/2009              | 77       | < 0.01 U | NA        | 420      | 88      | 3.5       | 1.84 +/- 0.24  | 5.33 +/- 0.55  | 7.17                      |
|         | 11/23/2010              | 110      | NA       | NA        | 440      | 89      | 4.3       | 2.29 +/- 0.62  | 4.47 +/- 0.73  | 6.76                      |
|         | 11/15/2011              | 100      | NA       | NA        | 390      | 78      | 4.7       | 2.31 +/- 0.29  | 5.0 +/- 0.56   | 7.3                       |
|         | 11/14/2012              | 100      | NA       | NA        | 370      | 94      | 4.2       | 2.38 +/- 0.55  | 5.50 +/- 0.85  | 7.88                      |
|         | 11/12/2013              | 96       | NA       | NA        | 370      | 80      | 4.4       | 2.64 +/- 0.75  | 5.06 +/- 0.83  | 7.70                      |
|         | 11/20/2014              | 76       | NA       | NA        | 320      | 91      | 3.7       | 1.7 +/- 0.52   | 5.27 +/- 0.88  | 6.97                      |
|         | 11/20/2015              | 91       | NA       | NA        | 360      | 120     | 4.5       | 2.09 +/- 0.54  | 6.05 +/- 0.97  | 8.14                      |
|         | 11/9/2016               | 68       | NA       | NA        | 380      | 87      | 4.4       | 1.55 +/- 0.46  | 4.36 +/- 0.77  | 5.91                      |
|         | 11/9/2017               | 93       | NA       | NA        | 300      | 95      | 5.1       | 1.93 +/- 0.50  | 4.92 +/- 0.77  | 6.85                      |
|         | 11/7/2018               | 68       | NA       | NA        | 230      | 100     | 5.0       | 1.64 +/- 0.301 | 4.65 +/- 0.663 | 6.29                      |
|         | 11/20/2019              | 40       | NA       | NA        | 220      | 81      | 5.3       | 1.64 +/- 0.259 | 5.36 +/- 0.737 | 7.00                      |
|         | 11/12/2020              | 99 J     | NA       | NA        | 280 J    | 110 J   | 4.7       | 1.70 +/- 0.403 | 3.72 +/- 0.559 | 5.42                      |
|         | 11/2/2021               | 0.45 *   | NA       | NA        | 260      | 120     | 3.7       | 1.71 +/- 0.293 | 4.59 +/- 0.655 | 6.30                      |

## Agrico Site Pensacola, Florida



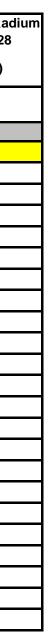
| Well ID             | Date            | Fluoride | Arsenic  | Lead      | Chloride | Sulfate | Nitrate-N | Radium 226     | Radium 228    | Combined Rac<br>226 + 228 |
|---------------------|-----------------|----------|----------|-----------|----------|---------|-----------|----------------|---------------|---------------------------|
|                     | Date            | (mg/L)   | (mg/L)   | (mg/L)    | (mg/L)   | (mg/L)  | (mg/L)    | (pCi/L)        | (pCi/L)       | (pCi/L)                   |
|                     | RMANCE<br>NDARD | 4        | 0.01*    | 0.015     | 250      | 250     | 10        |                |               | 5                         |
| Main Producing Zone |                 |          |          |           |          |         |           |                |               |                           |
|                     | 9/27/1997       | 65       | < 0.01   | NA        | 180      | 340     | 20        | 0.66 +/- 0.05  | 9.9 +/- 0.65  | 10.56                     |
|                     | 11/19/1999      | 65       | < 0.01   | NA        | 110      | < 5.    | 14        | 2.3            | 8.1           | 10.4                      |
|                     | 11/21/2000      | 45       | < 0.01   | NA        | 300      | 260     | 14        | 1.3 +/- 0.10   | 11.4 +/- 1.10 | 12.7                      |
|                     | 11/13/2001      | 48       | < 0.01   | NA        | 100      | 280     | 13        | 1.4 +/- 0.20   | 14. +/- 1.60  | 15                        |
|                     | 11/25/2002      | 59       | < 0.01   | NA        | 100      | 340     | 16        | 1.7 +/- 0.20   | 16.5 +/- 1.70 | 18                        |
|                     | 1/23/2004       | 52       | < 0.01 U | < 0.005 U | 93       | 310     | 16        | 3.42 +/- 0.55  | 21.9 +/- 2.50 | 25.3                      |
|                     | 11/12/2004      | 45       | < 0.01 U | NA        | 84       | 290     | 14        | 1.52 +/- 0.19  | 17.7 +/- 0.96 | 19.2                      |
|                     | 11/16/2005      | 30       | < 0.01 U | NA        | 58       | 220     | 9.8       | 1.53 +/- 0.37  | 21. +/- 2.70  | 22.5                      |
|                     | 11/17/2006      | 34       | < 0.01 U | NA        | 67       | 200     | 12        | 1.48 +/- 0.18  | 11.9 +/- 0.90 | 13.4                      |
| AC-29D              | 11/20/2007      | 42       | < 0.01 U | NA        | 63       | 220     | 12        | 1.45 +/- 0.26  | 11.7 +/- 0.77 | 13.2                      |
|                     | 11/18/2008      | 31       | < 0.01 U | < 0.005 U | 65       | 200     | 11        | 1.54 +/- 0.20  | 10.8 +/- 0.76 | 12.3                      |
|                     | 11/17/2009      | 30       | < 0.01 U | NA        | 61       | 220     | 9.5       | 1.54 +/- 0.21  | 13.8 +/- 0.83 | 15.3                      |
| AC-29D              | 11/19/2010      | 39       | NA       | NA        | 62       | 240     | 11        | 1.64 +/- 0.37  | 14.9 +/- 1.9  | 16.5                      |
|                     | 11/11/2011      | 41       | NA       | NA        | 54       | 220     | 12        | 1.76 +/- 0.27  | 13.6 +/- 0.81 | 15.4                      |
|                     | 11/13/2012      | 35       | NA       | NA        | 52       | 230     | 10        | 1.08 +/- 0.30  | 15.9 +/- 2/1  | 17.0                      |
|                     | 11/7/2013       | 36       | NA       | NA        | 45       | 220     | 8.1       | 0.836 +/- 0.27 | 14.8 +/- 2.0  | 15.6                      |
|                     | 11/17/2014      | 30       | NA       | NA        | 39       | 74      | 8.3       | 1.53 +/- 0.47  | 15.2 +/- 2.0  | 16.7                      |
|                     | 11/19/2015      | 30       | NA       | NA        | 42       | 200     | 7.5       | 1.49 +/- 0.44  | 14.5 +/- 1.90 | 15.99                     |
|                     | 11/11/2016      | 22       | NA       | NA        | 39       | 170     | 8.2       | 1.31 +/- 0.48  | 13.5 +/- 1.7  | 14.81                     |
|                     | 11/8/2017       | 25       | NA       | NA        | 32       | 170     | 8.2       | 1.39 +/- 0.35  | 13.6 +/- 1.8  | 14.99                     |
|                     | 11/7/2018       | 20       | NA       | NA        | 30       | 170     | 6.3       | 1.60 +/- 0.304 | 10.9 +/- 1.22 | 12.50                     |
|                     | 11/19/2019      | 18       | NA       | NA        | 27       | 150     | 6.6       | 1.65 +/- 0.263 | 13.2 +/- 1.47 | 14.85                     |
|                     | 11/11/2020      | 29 J     | NA       | NA        | 25 J     | 170 J   | 6.8       | 1.84 +/- 0.410 | 11.3 +/- 1.25 | 13.14                     |
|                     | 11/3/2021       | 18       | NA       | NA        | 27       | 190     | 5.9       | 1.17 +/- 0.213 | 11.9 +/- 1.34 | 13.07                     |

## Agrico Site Pensacola, Florida



| Well ID Date            | Fluoride   | Arsenic | Lead     | Chloride            | Sulfate | Nitrate-N | Radium 226 | Radium 228     | Combined Rac<br>226 + 228 |         |  |  |
|-------------------------|------------|---------|----------|---------------------|---------|-----------|------------|----------------|---------------------------|---------|--|--|
|                         | Date       | (mg/L)  | (mg/L)   | (mg/L)              | (mg/L)  | (mg/L)    | (mg/L)     | (pCi/L)        | (pCi/L)                   | (pCi/L) |  |  |
| PERFORMANCE<br>STANDARD |            | 4       | 0.01*    | 0.015               | 250     | 250       | 10         |                |                           | 5       |  |  |
|                         |            |         | -        | Main Producing Zone |         |           |            |                |                           |         |  |  |
|                         | 11/19/1999 | 23      | < 0.01   | NA                  | 160     | 130       | 3.1        | < 1. +/- 0.53  | < 1.5 +/- 0.95            | 2.5     |  |  |
|                         | 11/16/2000 | 150     | < 0.01   | NA                  | 120     | 220       | 12         | 1.5 +/- 0.20   | 5. +/- 1.20               | 6.5     |  |  |
|                         | 11/8/2001  | 160     | 0.012    | NA                  | 520     | 220       | 13         | 1.9 +/- 0.20   | 7.2 +/- 1.40              | 9.1     |  |  |
|                         | 11/21/2002 | 170     | < 0.01   | NA                  | 550     | 230       | 11         | 2. +/- 0.30    | 8.5 +/- 1                 | 10.5    |  |  |
|                         | 1/15/2004  | 160     | 0.015    | < 0.005 U           | 530     | 210       | 13         | 4.58 +/- 0.69  | 12.9 +/- 1.60             | 17.5    |  |  |
|                         | 11/15/2004 | 170     | < 0.01   | NA                  | 520     | 260       | 14         | 2.22 +/- 0.21  | 9.37 +/- 0.69             | 11.6    |  |  |
|                         | 11/16/2005 | 150     | < 0.01 U | NA                  | 430     | 260       | 12         | 2.01 +/- 0.50  | 14.4 +/- 1.90             | 16.4    |  |  |
|                         | 11/20/2006 | 160     | < 0.01 U | NA                  | 460     | 270       | 12         | 1.83 +/- 0.31  | 9.26 +/- 0.77             | 11.1    |  |  |
|                         | 11/20/2007 | 150     | < 0.01 U | NA                  | 420     | 190       | 12         | 2.01 +/- 0.29  | 5.8 +/- 0.53              | 7.81    |  |  |
|                         | 11/19/2008 | 120     | 0.01     | < 0.005 U           | 460     | 190       | 11         | 1.78 +/- 0.20  | 5.29 +/- 0.57             | 7.07    |  |  |
|                         | 11/19/2009 | 120     | < 0.01 U | NA                  | 430     | 200       | 9.3        | 2.33 +/- 0.28  | 8.44 +/- 0.68             | 10.8    |  |  |
| AC-35D                  | 11/23/2010 | 180     | NA       | NA                  | 580     | 240       | 13         | 2.52 +/- 0.64  | 8.83 +/- 1.2              | 11.4    |  |  |
|                         | 11/16/2011 | 130     | NA       | NA                  | 370     | 170       | 11         | 1.71 +/- 0.28  | 5.94 +/- 0.61             | 7.65    |  |  |
|                         | 11/15/2012 | 130     | NA       | NA                  | 350     | 200       | 9.6        | 1.91 +/- 0.51  | 6.45 +/- 0.98             | 8.36    |  |  |
|                         | 11/13/2013 | 120     | NA       | NA                  | 360     | 190       | 9.5        | 2.01 +/- 0.54  | 7.69 +/- 1.1              | 9.70    |  |  |
|                         | 11/24/2014 | 110     | NA       | NA                  | 300     | 190       | 9.6        | 2.59 +/- 0.64  | 7.28 +/- 1.1              | 9.87    |  |  |
|                         | 11/20/2015 | 110     | NA       | NA                  | 340     | 140       | 9.1        | 1.8 +/- 0.49   | 8.7 +/- 1.30              | 10.5    |  |  |
|                         | 11/9/2016  | 76      | NA       | NA                  | 310     | 160       | 8.8        | 1.6 +/- 0.53   | 4.76 +/- 0.85             | 6.4     |  |  |
|                         | 11/9/2017  | 120     | NA       | NA                  | 280     | 170       | 8.8        | 1.92 +/- 0.54  | 5.42 +/- 0.84             | 7.34    |  |  |
|                         | 11/7/2018  | 75      | NA       | NA                  | 270     | 170       | 7.6        | 1.97 +/- 0.337 | 5.56 +/- 0.734            | 7.53    |  |  |
|                         | 11/18/2019 | 40      | NA       | NA                  | 240     | 150       | 8.2        | 1.58 +/- 0.261 | 6.67 +/- 0.860            | 8.25    |  |  |
|                         | 11/12/2020 | 60 J    | NA       | NA                  | 230 J   | 190 J     | 8.2        | 2.04 +/- 0.426 | 4.74 +/- 0.631            | 6.78    |  |  |
|                         | 11/2/2021  | 0.59 *  | NA       | NA                  | 220     | 210       | 7.0        | 1.61 +/- 0.283 | 4.33 +/- 0.703            | 5.94    |  |  |

## Agrico Site Pensacola, Florida



#### Agrico Site Pensacola, Florida

#### Notes:

\* Fluoride results reported by SM4500 (approved Site method) are questionable due to laboratory equipment malfunction. Given that reported values are suspected to be abnormally low, these values are not highlighted as below performance standard.

Monitoring wells ACB-31S, ACB-32S, AC-33S, AC-34S, and AC-7SR sampled semiannually from May 1997 through May 2008 and samples analyzed for fluoride, arsenic, and lead only (OU-1 COCs); Beginning in November 2007, these wells were incorporated into OU-2 network and samples analyzed for fluoride, arsenic, lead, chloride, sulfate, nitrate, radium 226, and radium 228.

Radium samples analyzed by STL St Louis for the January 2004 event were determined by STL to be baised high results

Nitrite determined not to be part of Agrico plume constituents; Analysis changed to nitrate only as per 1/07 EPA approval

COC = constituent of concern

mg/L = milligrams per Liter

pCi/L = picocuries per Liter

BOLD = exceeds constituent performance standard

#### Highlight = Below performance standard.

NA = Not Analyzed

NS = Not Sampled

I = The reported value is between the laboratory method detection limit and the practical quantitation limit.

J = Estimated Value

Q = Sample was analyzed outside recommended analytical holdtime criteria.

V = The analyte was detected in both the sample and the associated method blank.

<, U = Analyzed for but not detected above limiting criteria of 0.256

1 = First date for arsenic is 1990 data results

F1 = The MS and/or MSD recovery is outside acceptance limits.

\*Rad Qualifier = LCS or LCSD outside acceptance limits and RPD of the LCS or LCSD exceeds the control limits

B = Compound was found in the blank and sample

#### Radium 226 + 228 Analytical Laboratories:

1987 State of Florida Department of Environmental Regulation Laboratory 1992 Savannah Laboratories - Contract Lab Unknown 1997 Savannah Laboratories - Contract Lab Unknown 1999 General Engineering Laboratory - Charleston, SC 2000 through 2002 KNL, Tampa, FL 1/2004 STL - St. Louis 11/2004 through 2017 - STL/TA Richland 2018 and 2021 - Eurofins/TA St. Louis

## TABLE 9 COMPARISON OF COC RESULTS AT LONG-TERM MONITORING LOCATIONS FOR SURFACE WATER

| Sample Location<br>ID    | Date     | Fluoride<br>(mg/L)<br>Class III Marine<br>SWS = 5 mg/L* |  |  |
|--------------------------|----------|---|--|--|
|                          | 08/2008  | 0.56  |  |  |
|                          | 11/2010  | 0.83  |  |  |
|                          | 11/2011  | 0.77  |  |  |
|                          | 11/2012  | 0.89  |  |  |
|                          | 11/2013  | 0.94  |  |  |
| BT-02 <sup>(3)</sup>     | 11/2014  | 1.30  |  |  |
| Bayou Texar<br>(Brackish | 11/2015  | 1.50  |  |  |
| Water)                   | 11/2016  | 0.52  |  |  |
|                          | 11/2017  | 0.68  |  |  |
|                          | 11/2018* | 1.40  |  |  |
|                          | 11/2019  | 0.63  |  |  |
|                          | 11/2020  | 0.72  |  |  |
|                          | 11/2021  | 0.59  |  |  |
|                          | 05/2009  | 0.58  |  |  |
|                          | 11/2010  | 0.89  |  |  |
|                          | 11/2011  | 0.81  |  |  |
|                          | 11/2012  | 1.30  |  |  |
|                          | 11/2013  | 0.99  |  |  |
| BT-107 <sup>(3)</sup>    | 11/2014  | 1.30  |  |  |
| Bayou Texar<br>(Brackish | 11/2015  | 1.30  |  |  |
| Water)                   | 11/2016  | 0.52  |  |  |
|                          | 11/2017  | 0.55  |  |  |
|                          | 11/2018  | 2.50  |  |  |
|                          | 11/2019  | 0.57  |  |  |
|                          | 11/2020  | 1.3   |  |  |
|                          | 11/2021  | 0.72  |  |  |
|                          | 05/2009  | 0.60  |  |  |
|                          | 11/2010  | 1.00  |  |  |
|                          | 11/2011  | 0.81  |  |  |
|                          | 11/2012  | 1.20  |  |  |
|                          | 11/2013  | 1.20  |  |  |
| BT-127 <sup>(3)</sup>    | 11/2014  | 1.30  |  |  |
| Bayou Texar<br>(Brackish | 11/2015  | 0.46  |  |  |
| Water)                   | 11/2016  | 0.49  |  |  |
|                          | 11/2017  | 0.93  |  |  |
|                          | 11/2018  | 2.30  |  |  |
|                          | 11/2019  | 0.73  |  |  |
|                          | 11/2020  | 0.90  |  |  |
|                          | 11/2021  | 1.10  |  |  |

## TABLE 9 COMPARISON OF COC RESULTS AT LONG-TERM MONITORING LOCATIONS FOR SURFACE WATER

## Agrico Site Pensacola, Florida

## Notes:

\* Chapter 62-302, Class III Marine Surface Water Standard for Fluoride is 5 mg/L

(1) Bayou Texar naturally occurring brackish water from Pensacola Bay

(2) Station Discontinued after 2009.

(3) Stations added in 2010; analysis is for fluoride only.

COC = constituent of concern

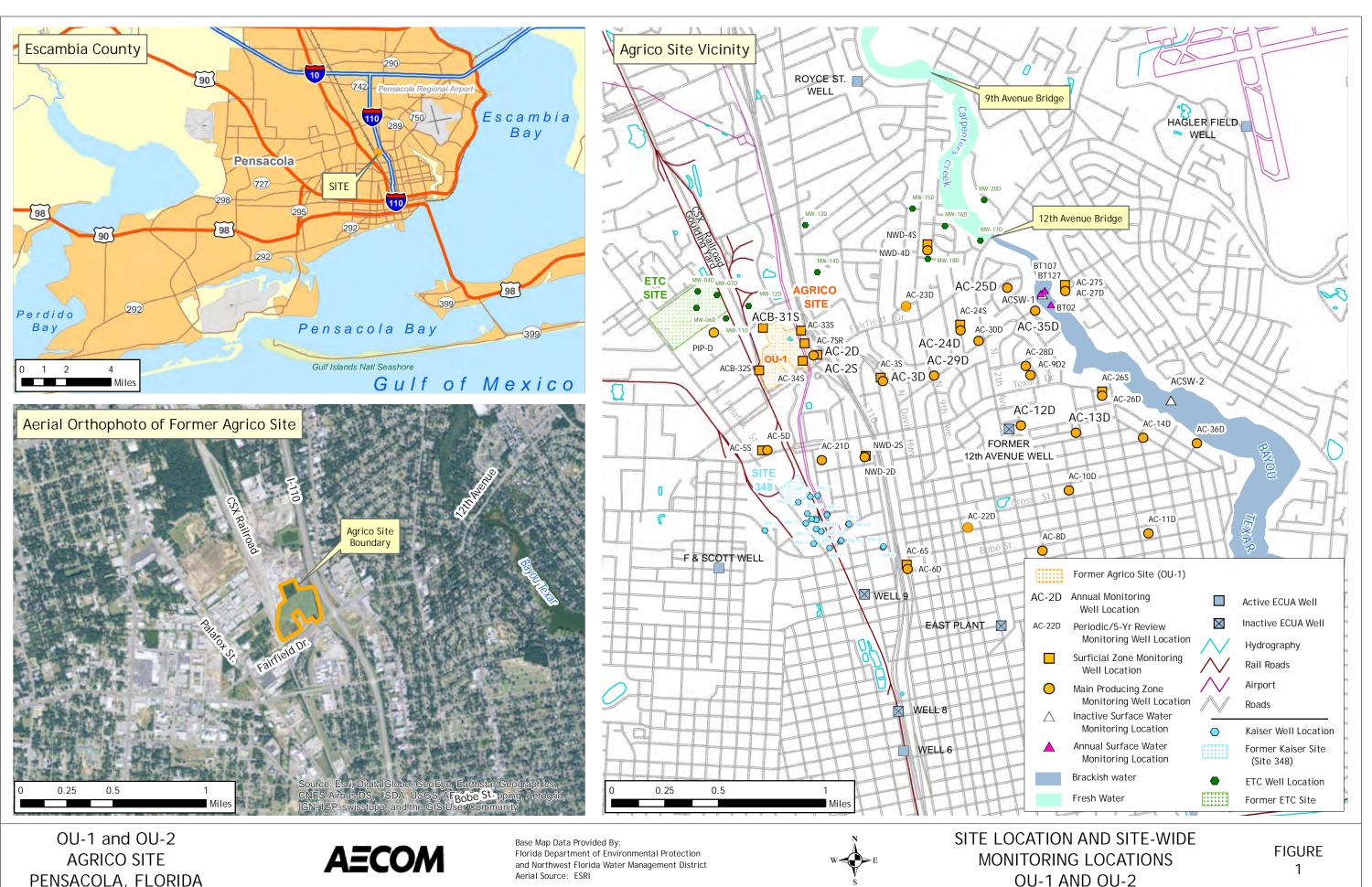
mg/L = milligrams per Liter

pCi/L = picoCuries per Liter

NA = Not Analyzed

\*Listed as BT-102 on lab report and chain-of-custudy

**FIGURES** 

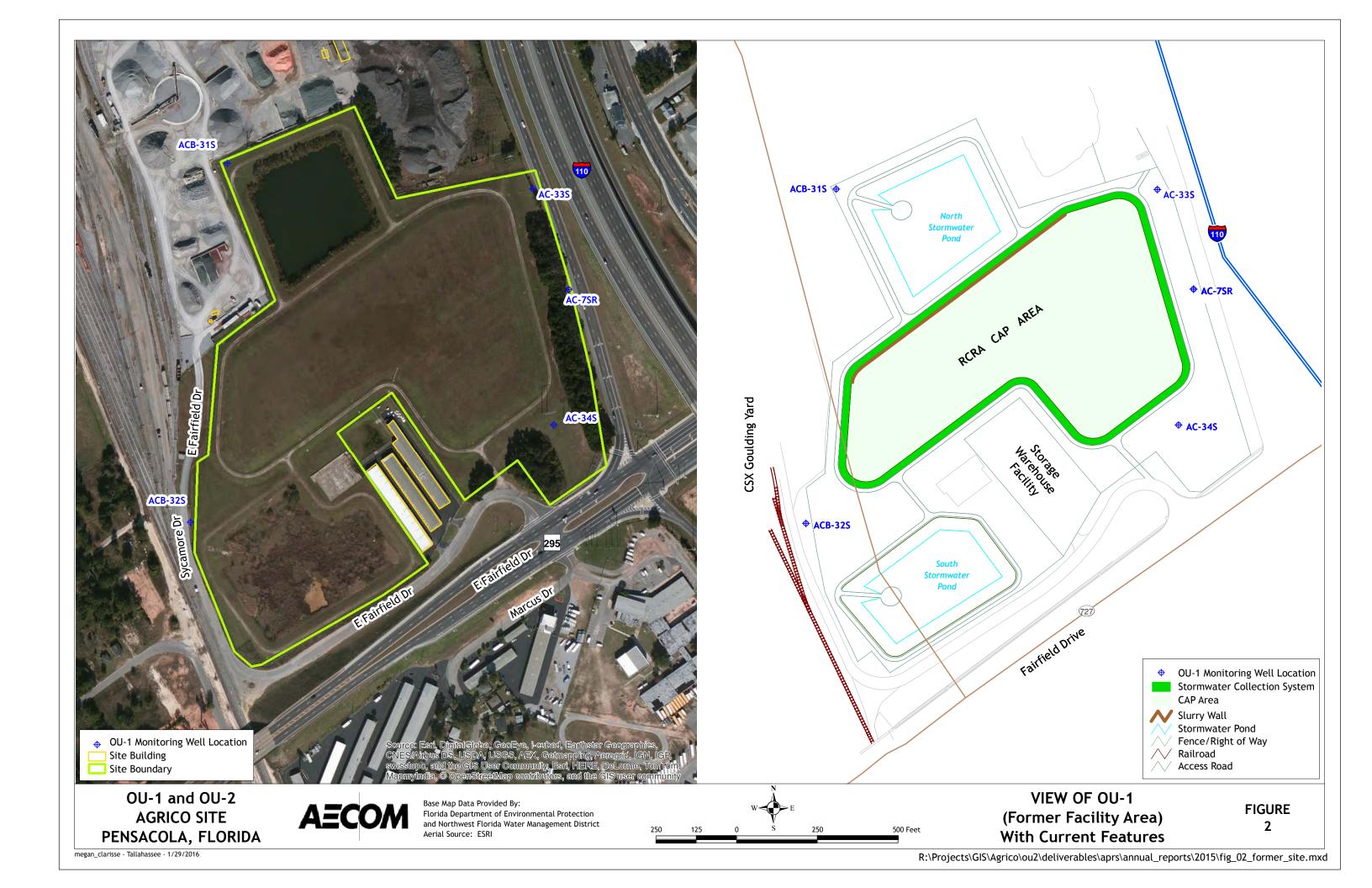


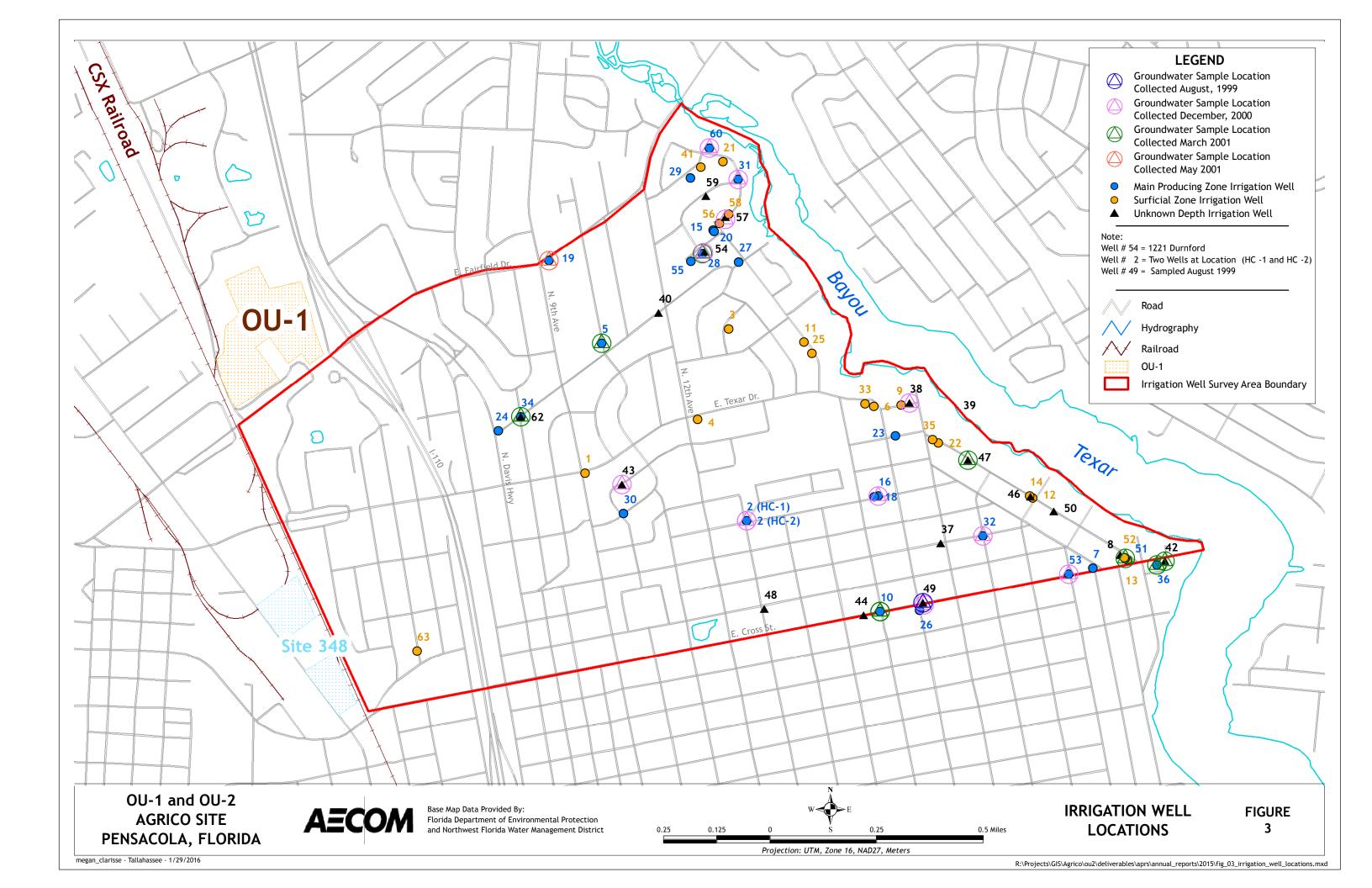
PENSACOLA, FLORIDA

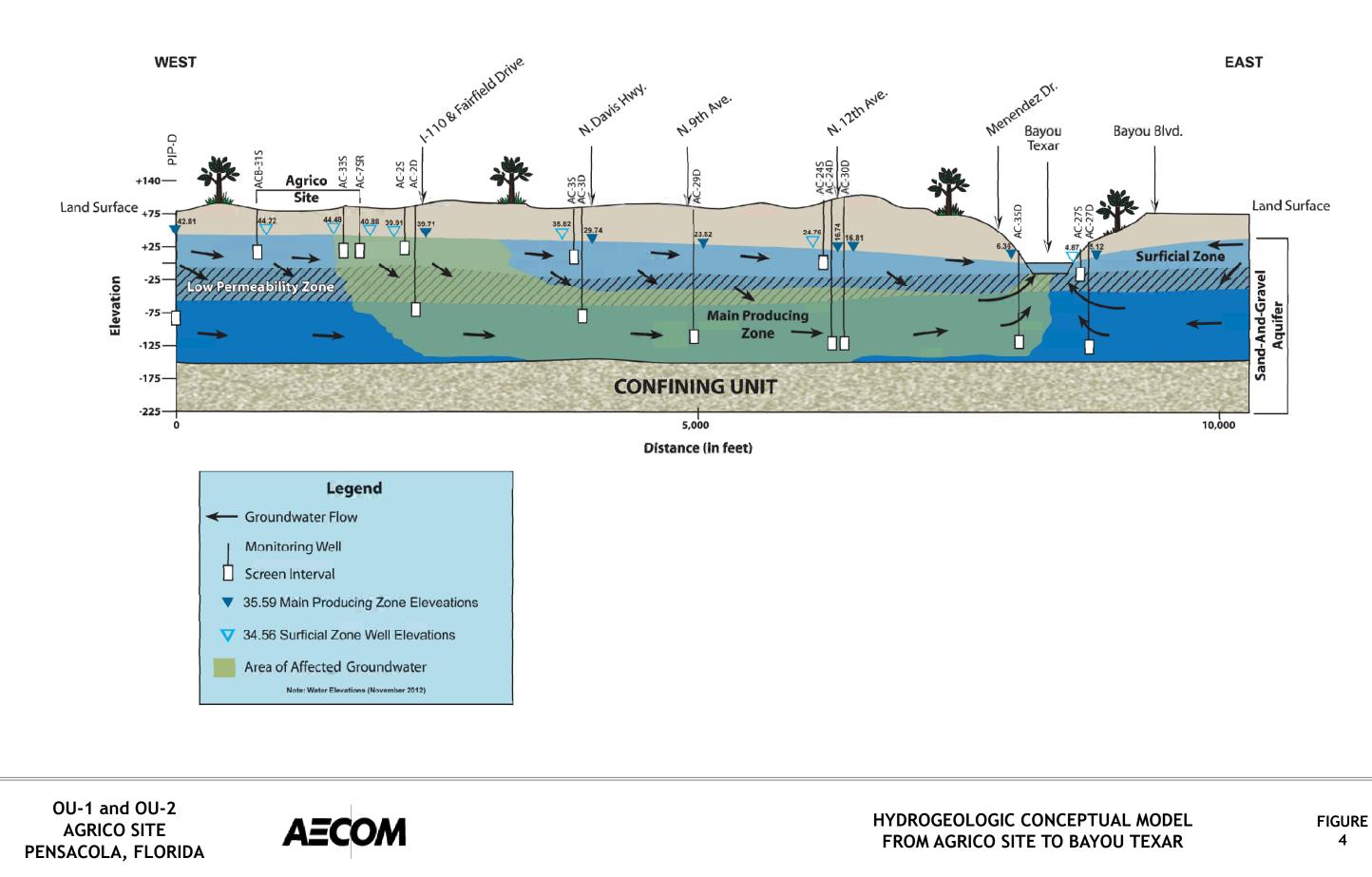


Candace\_Beauvais - Tallahassee - 3/4/2016

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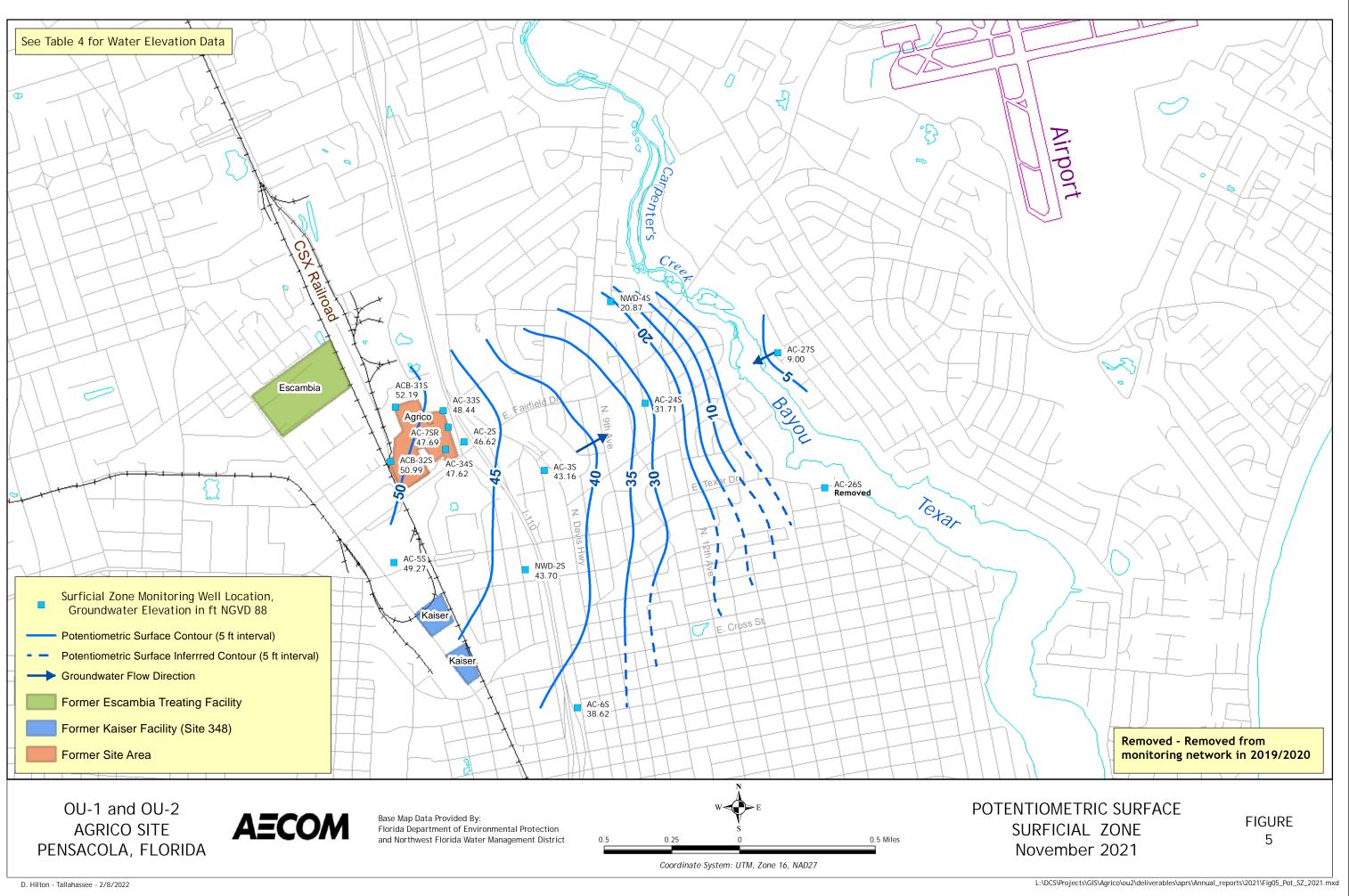


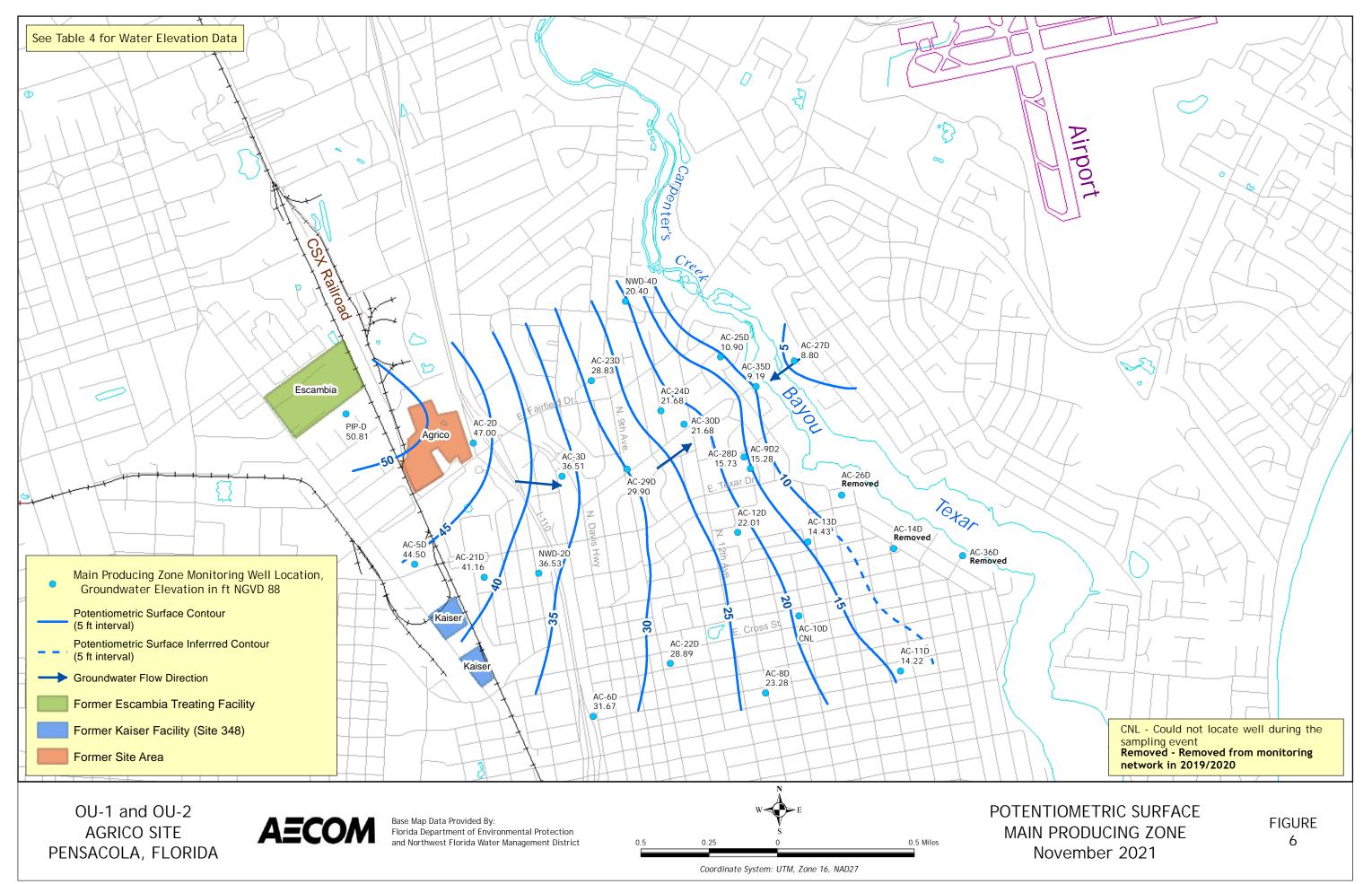






 $R: \label{eq:linear} R: \lab$ 





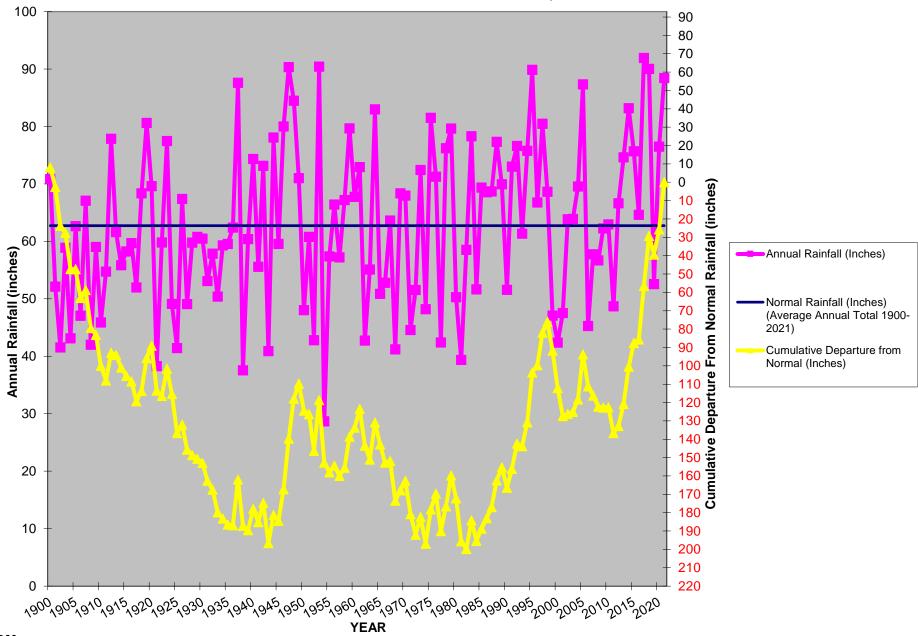
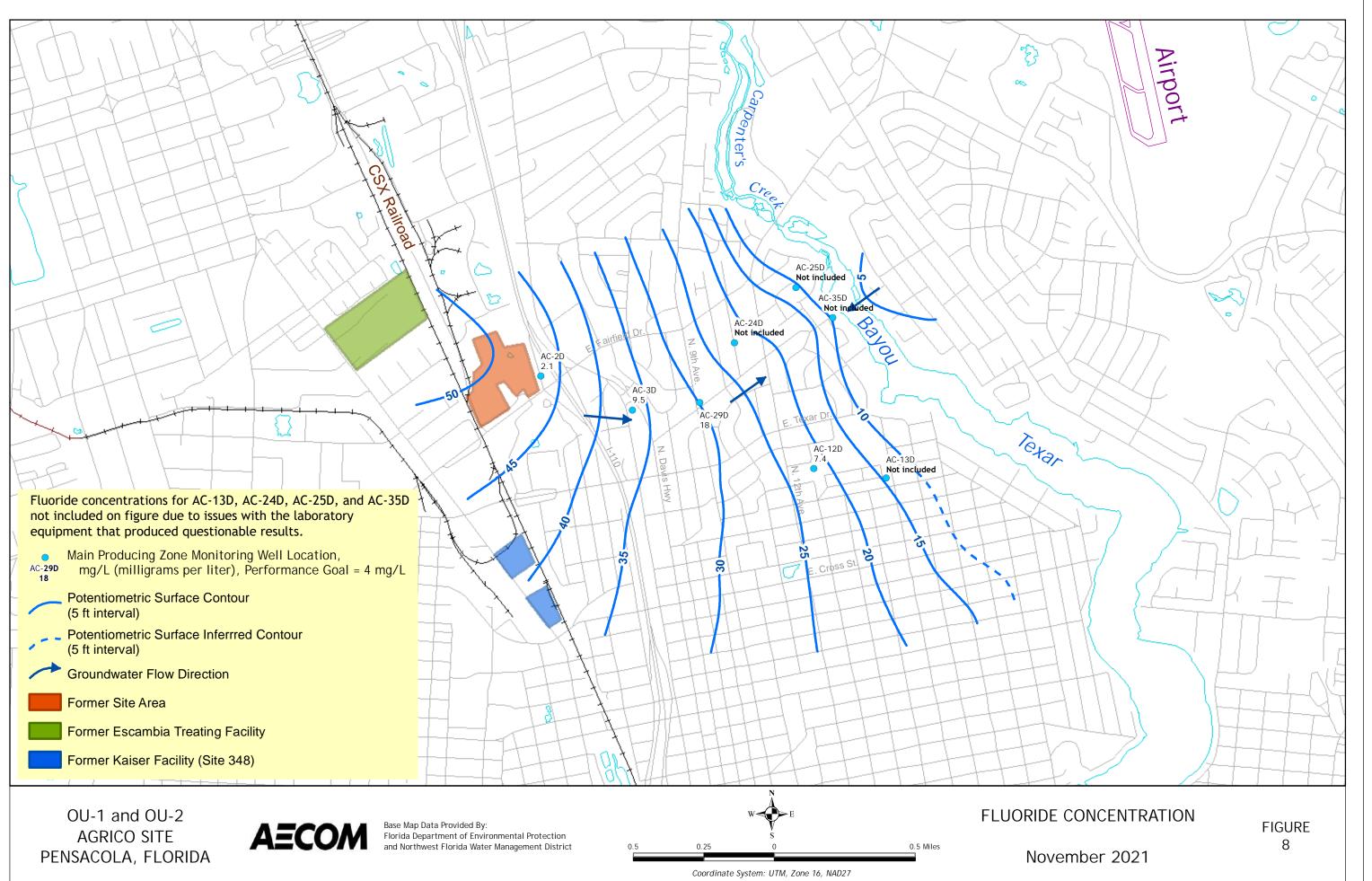


Figure 7 Annual Rainfall and Cumulative Departure from Normal NOAA Rainfall Station Pensacola, Florida



-

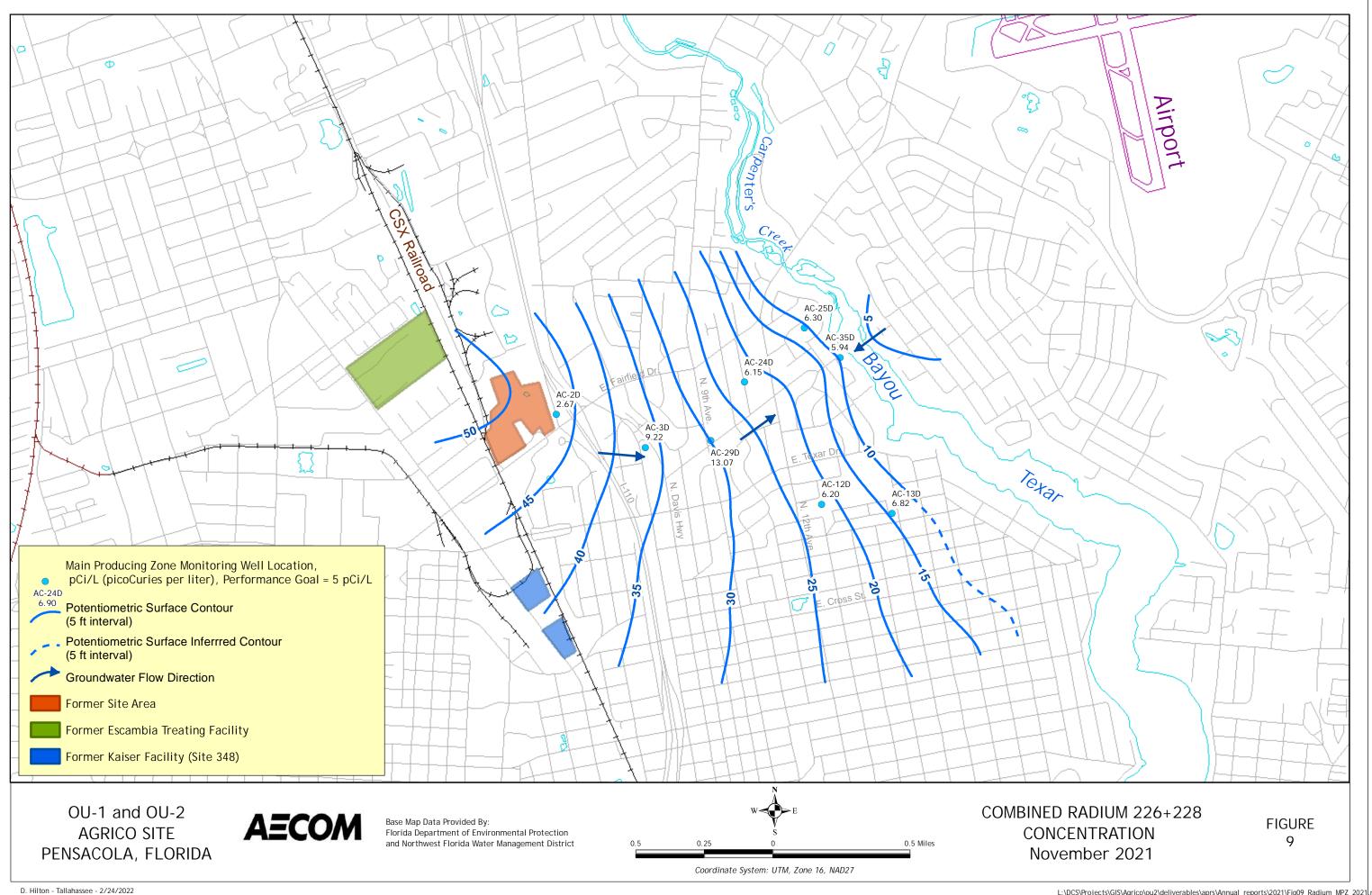
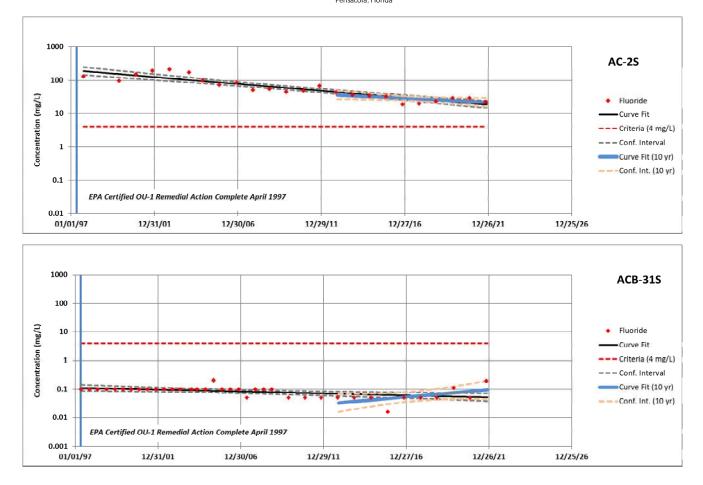
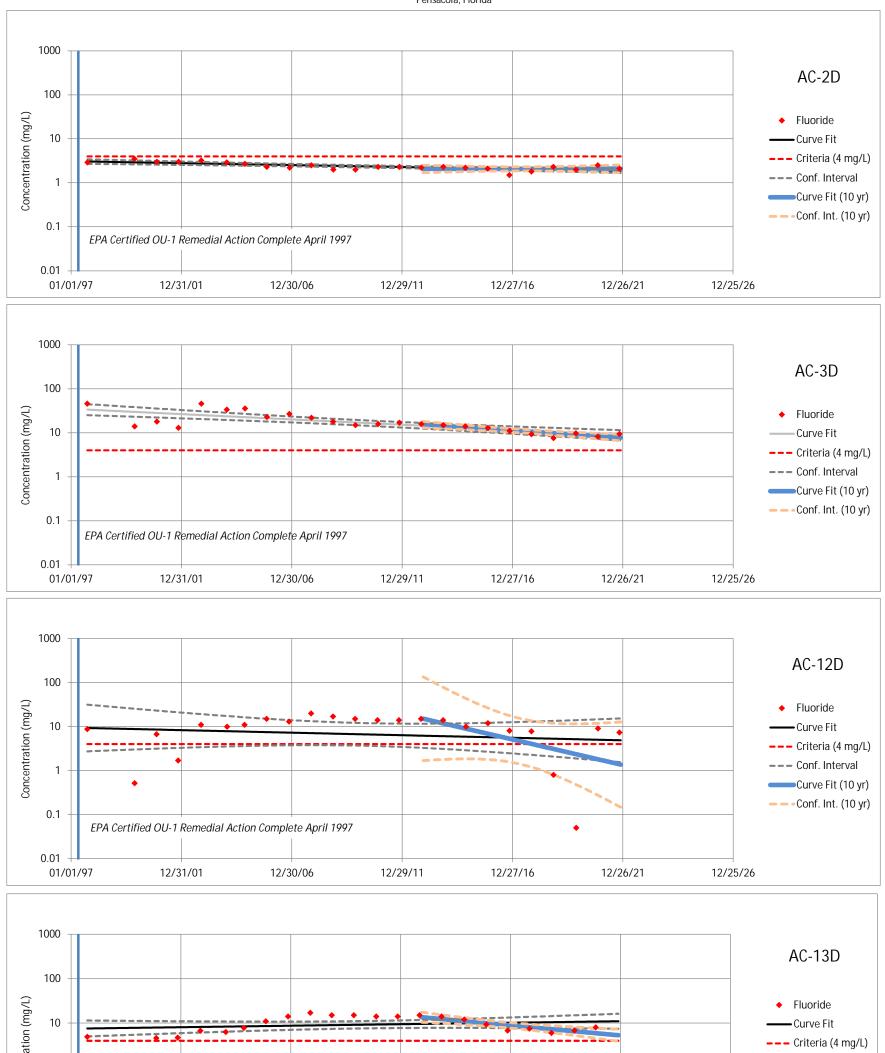


Figure 10



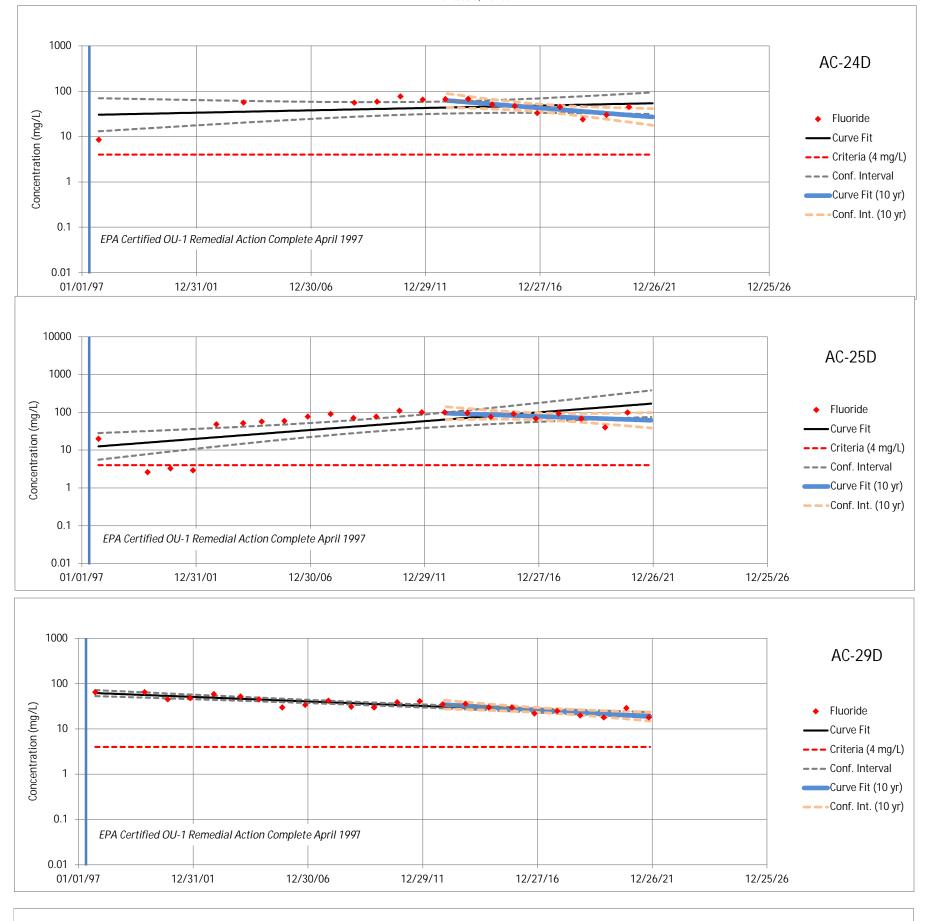
#### Figure 11

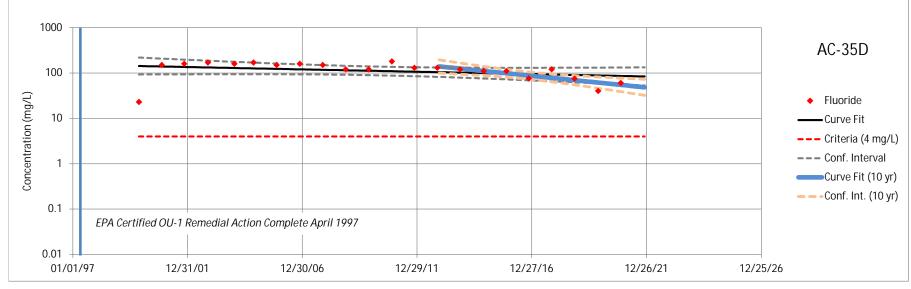
#### Concentration Trends Main Producing Zone Annual Network Wells



| entre   |               |                   |                        |          |          |          |          | Conf. Interval     |
|---------|---------------|-------------------|------------------------|----------|----------|----------|----------|--------------------|
| Concent |               |                   |                        |          |          |          | -        | Curve Fit (10 yr)  |
|         |               |                   |                        |          |          |          | -        | Conf. Int. (10 yr) |
| 0.1 —   | EPA Certified | OU-1 Remedial Act | ion Complete April 199 | 7        |          |          |          |                    |
| 0.01    | /97           | 12/31/01          | 12/30/06               | 12/29/11 | 12/27/16 | 12/26/21 | 12/25/26 |                    |

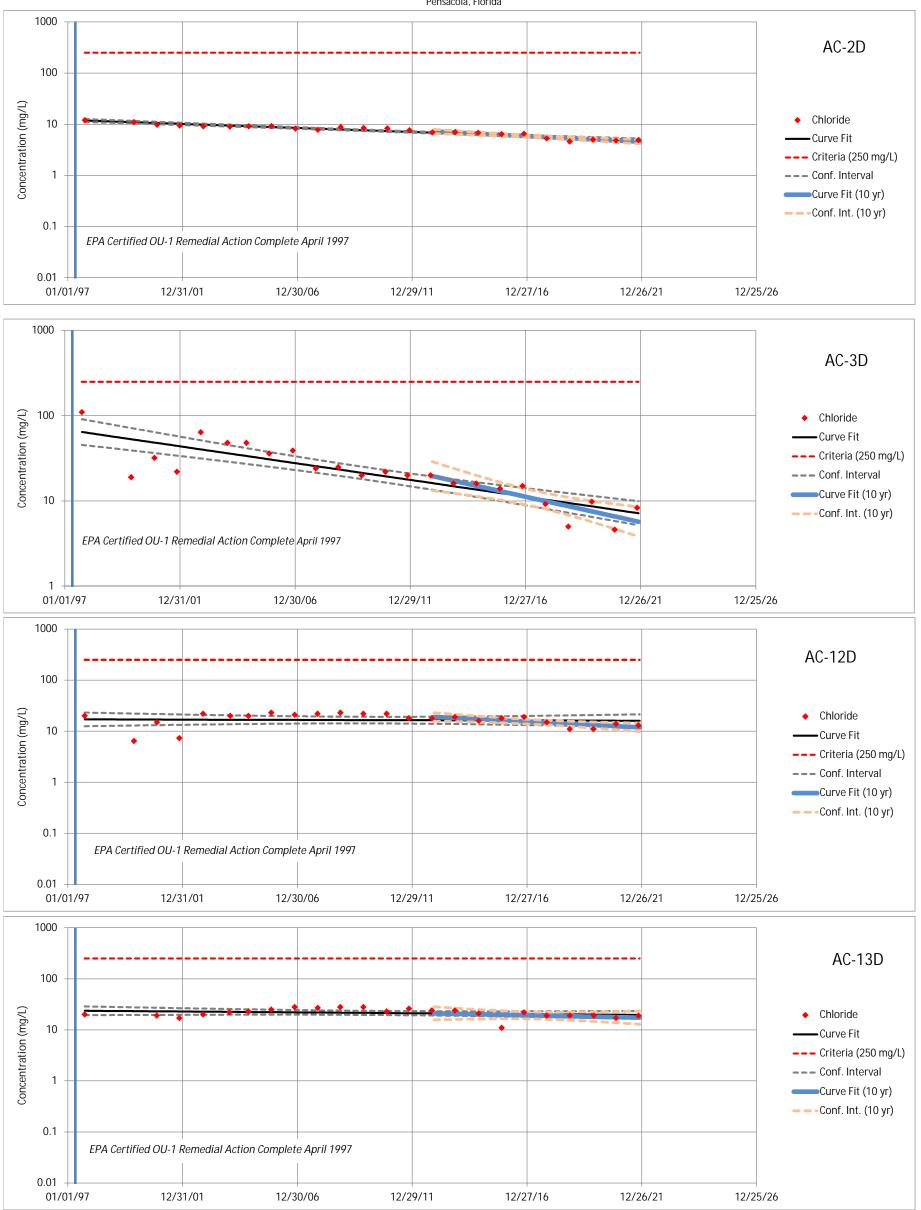
#### Concentration Trends Main Producing Zone Annual Network Wells



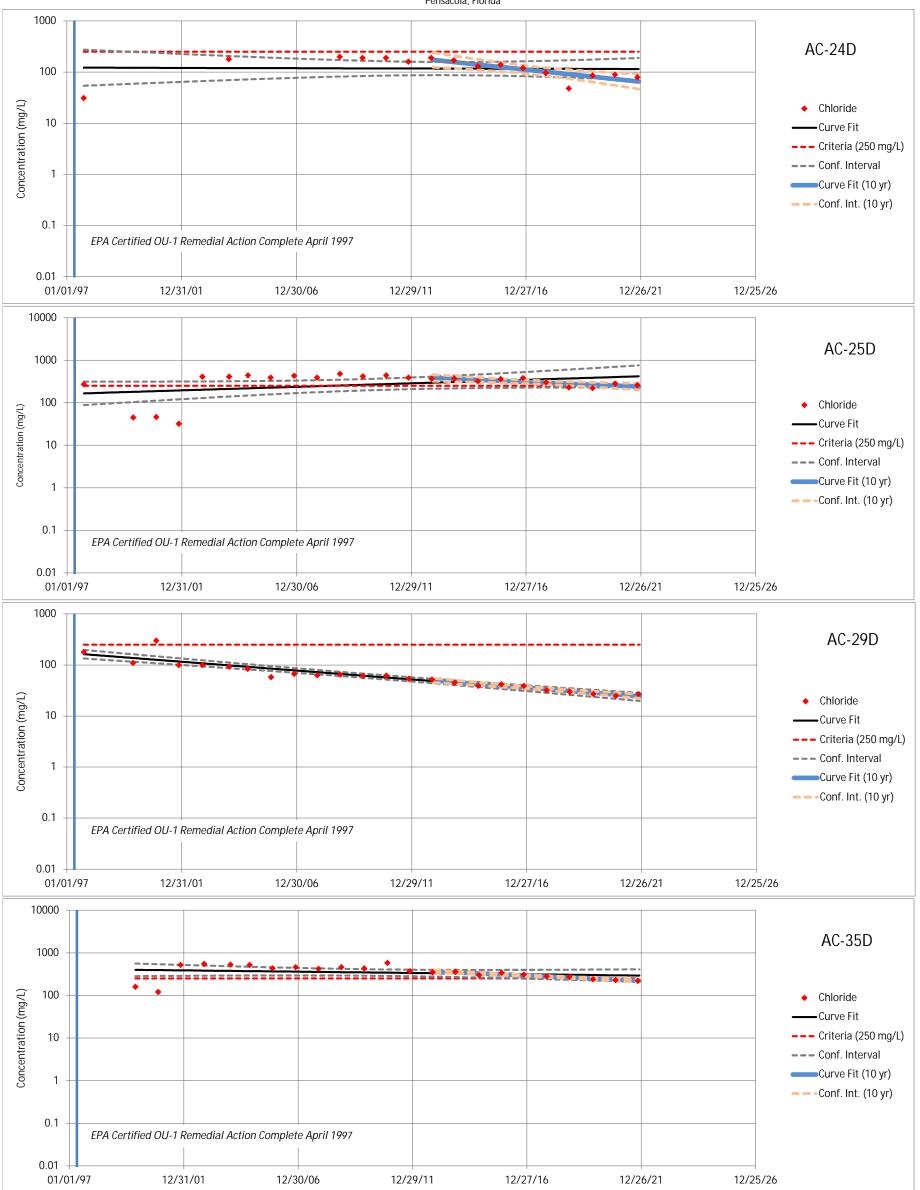


#### Concentration Trends Main Producing Zone Annual Network Wells



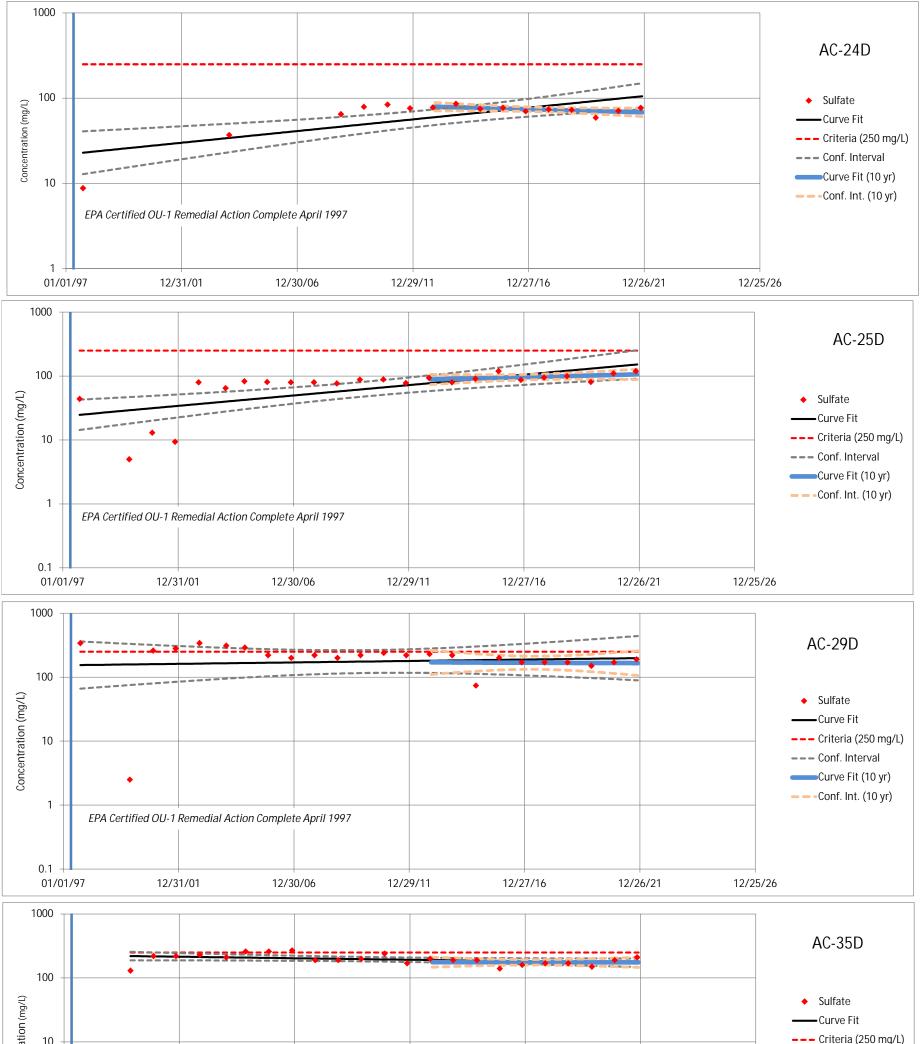


#### Concentration Trends Main Producing Zone Annual Network Wells



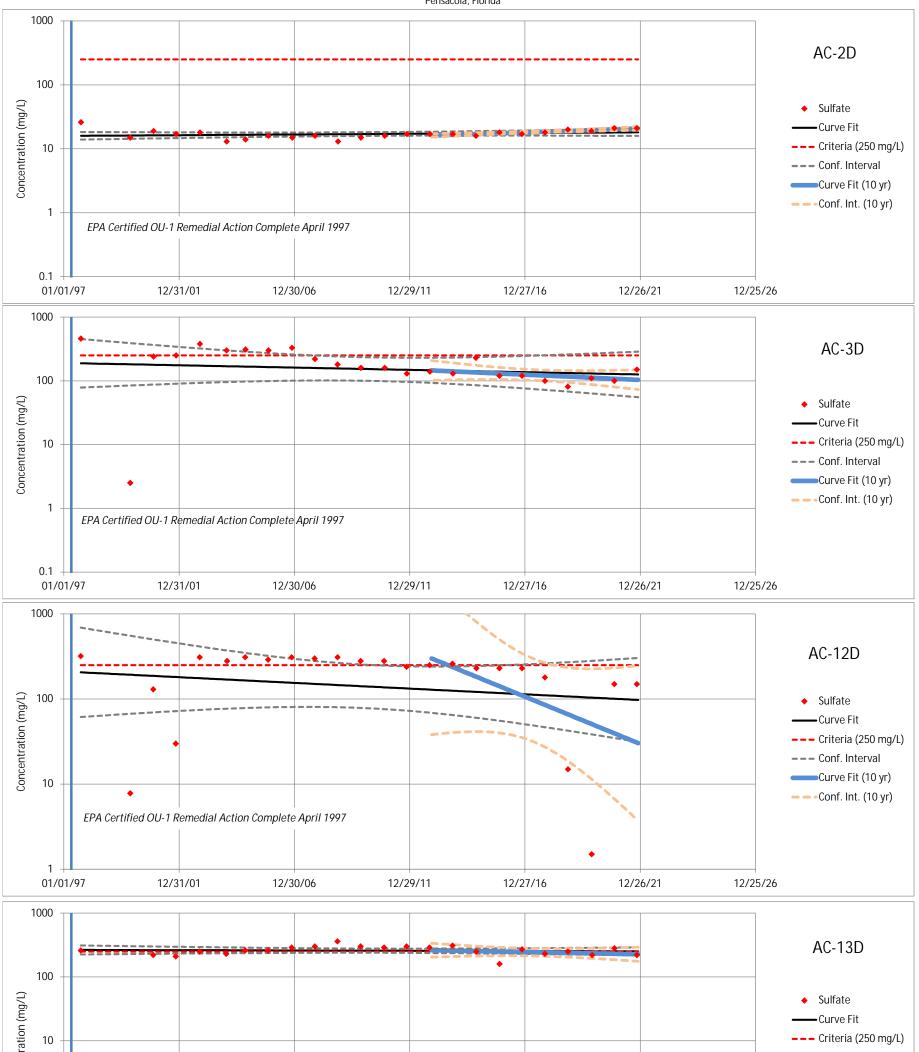
#### Concentration Trends Main Producing Zone Annual Network Wells





| atio     | 10 -  |                      |                         |              |            |            |               | Criteria (250 mg/L)             |
|----------|-------|----------------------|-------------------------|--------------|------------|------------|---------------|---------------------------------|
| Concentr |       |                      |                         |              |            |            |               | Conf. Interval                  |
| Conc     |       |                      |                         |              |            |            |               | Curve Fit (10 yr)               |
|          | 1     |                      |                         |              |            |            |               | <b>– – -</b> Conf. Int. (10 yr) |
|          |       | EPA Certified OU-1 F | Remedial Action Complet | e April 1997 |            |            |               |                                 |
|          |       |                      |                         |              |            |            |               |                                 |
|          | 0.1 + |                      | 1                       |              |            | 1          |               |                                 |
|          | 01/01 | /97 12/3             | 31/01 12/3              | 30/06 12/2   | 29/11 12/2 | 27/16 12/2 | 6/21 12/25/26 | 6                               |

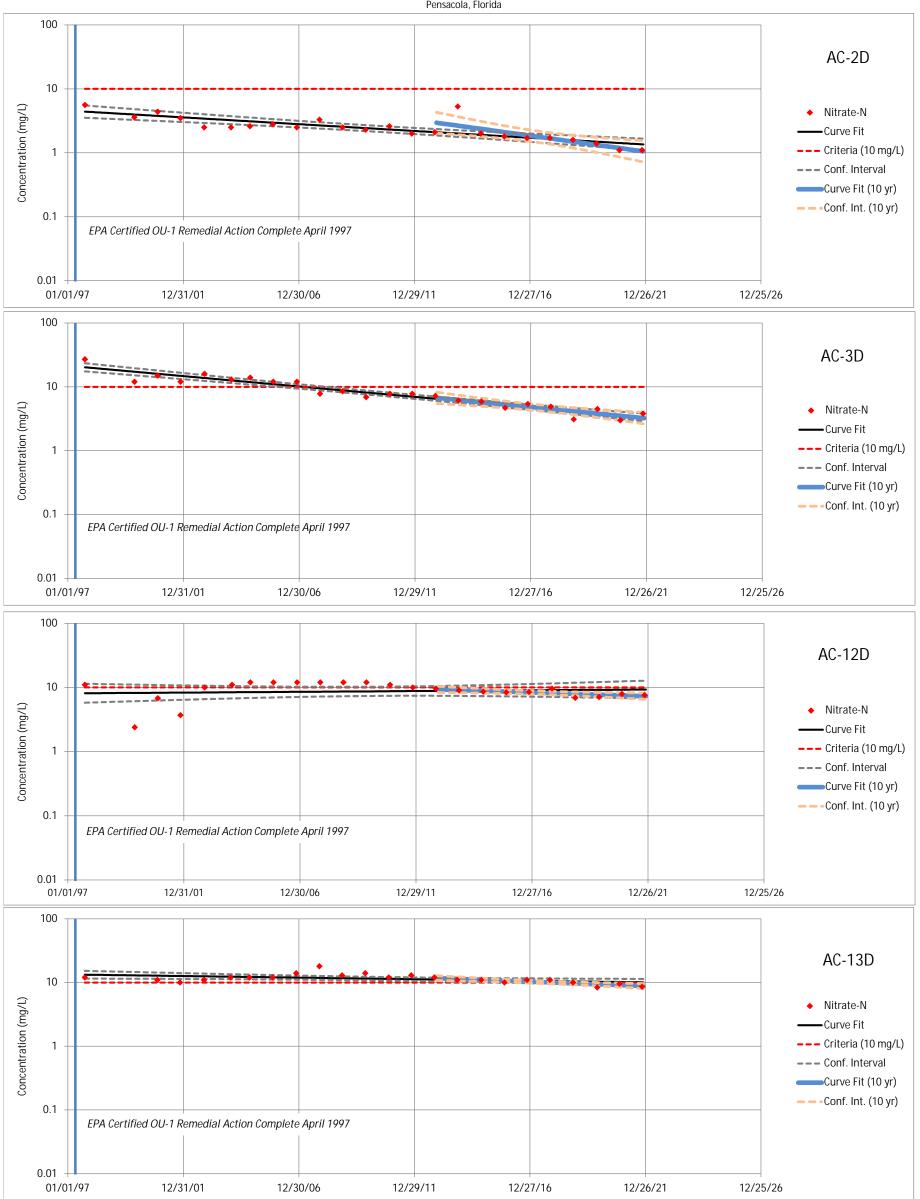
#### Concentration Trends Main Producing Zone Annual Network Wells



| entr  |                      |                         |              |            |           |                                       | Conf. Interval                  |
|-------|----------------------|-------------------------|--------------|------------|-----------|---------------------------------------|---------------------------------|
| Conc  |                      |                         |              |            |           |                                       | Curve Fit (10 yr)               |
|       |                      |                         |              |            |           |                                       | <b>– – -</b> Conf. Int. (10 yr) |
|       | EPA Certified OU-1 F | Remedial Action Complet | e April 1997 |            |           |                                       |                                 |
|       |                      |                         |              |            |           |                                       |                                 |
|       |                      |                         |              |            |           |                                       |                                 |
| 0.1 + | 10/2                 | 101                     | 12/2         | 12/2       | 7/1/ 12/2 | · · · · · · · · · · · · · · · · · · · | 10/                             |
| 01/01 | 1/9/ 12/3            | 31/01 12/3              | 30/06 12/2   | 29/11 12/2 | 7/16 12/2 | 6/21 12/25                            | 0/20                            |

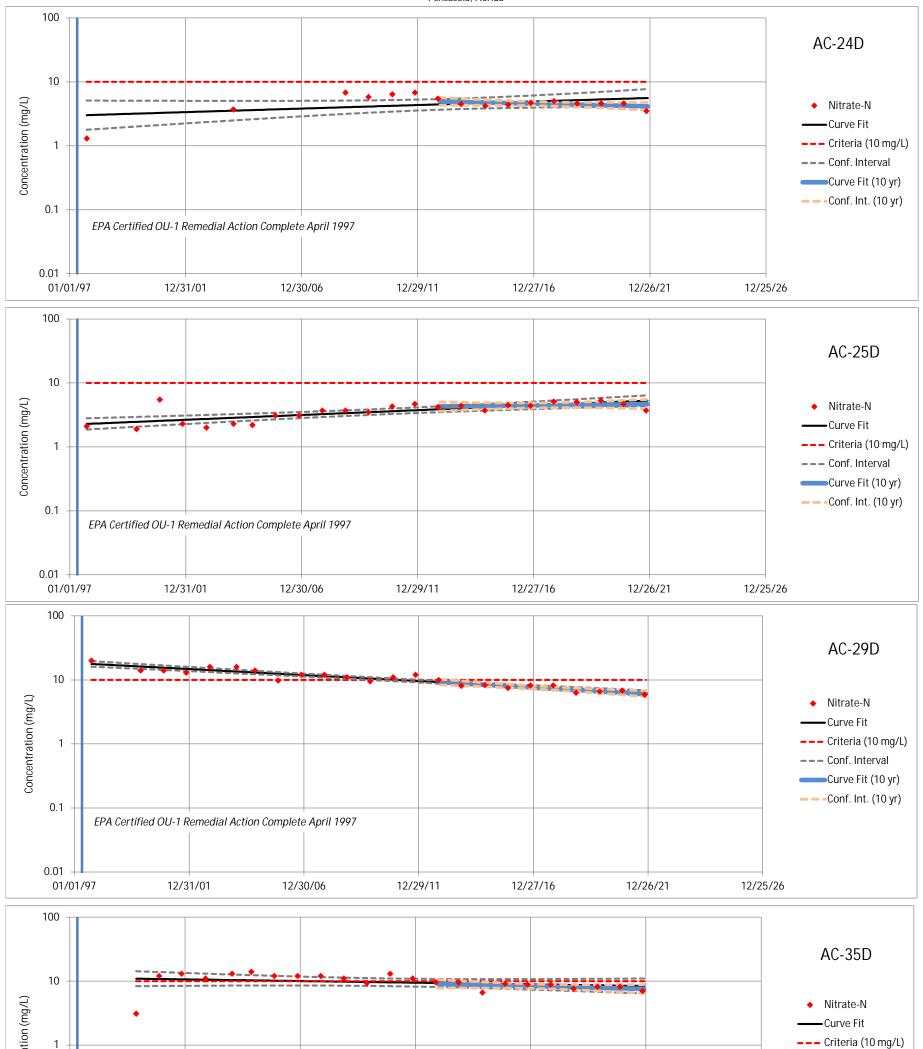
#### Concentration Trends Main Producing Zone Annual Network Wells





#### Concentration Trends Main Producing Zone Annual Network Wells

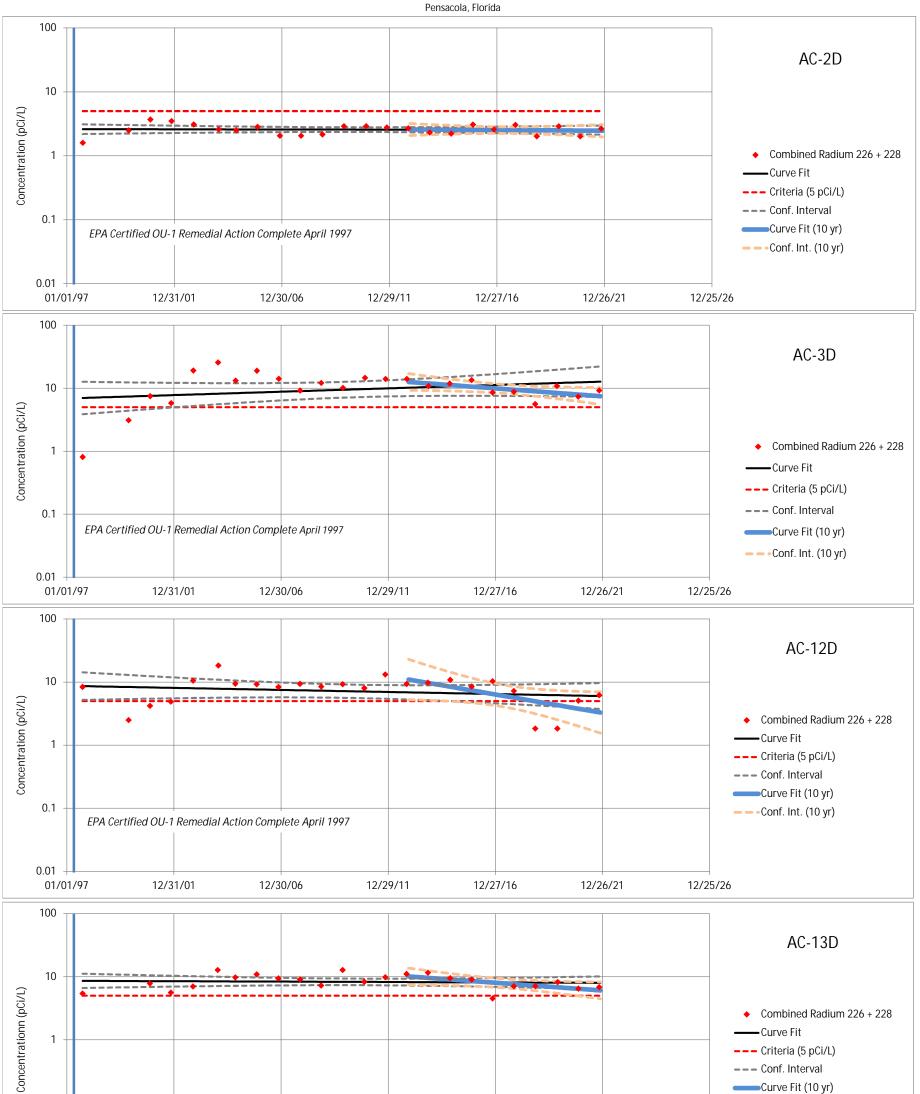
Agrico Site Pensacola, Florida

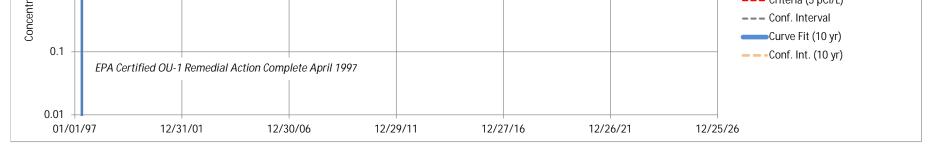


| entra  |                    |                         |              |            |           |             | Conf. Interval                  |
|--------|--------------------|-------------------------|--------------|------------|-----------|-------------|---------------------------------|
| Conce  |                    |                         |              |            |           |             | Curve Fit (10 yr)               |
| 0.1 -  |                    |                         |              |            |           |             | <b>– – -</b> Conf. Int. (10 yr) |
| 0.1    | EPA Certified OU-1 | Remedial Action Complet | e April 1997 |            |           |             |                                 |
| 0.01 - |                    |                         |              |            |           |             |                                 |
| 01/01/ | /97 12/3           | 1/01 12/3               | 0/06 12/2    | 29/11 12/2 | 7/16 12/2 | 6/21 12/25/ | 26                              |



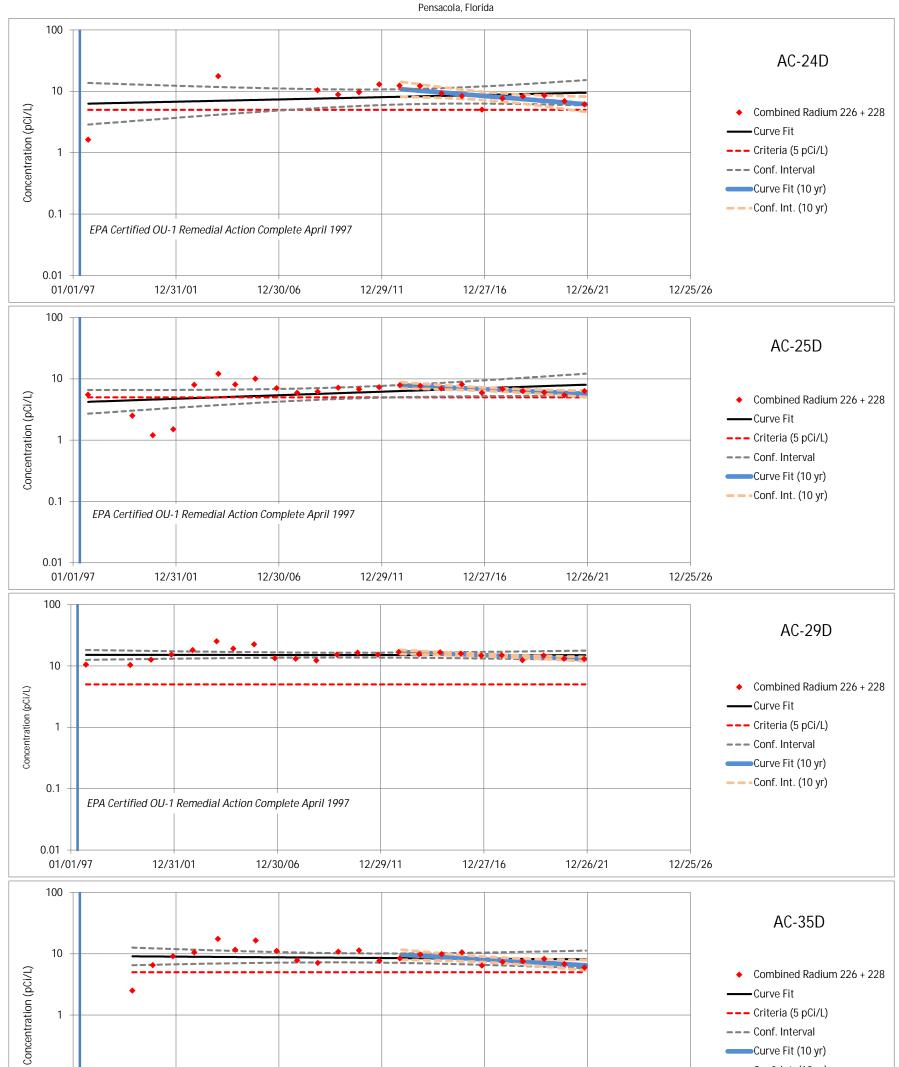


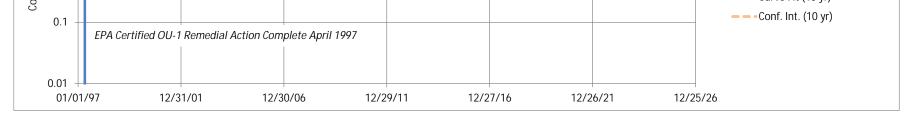




#### Concentration Trends Main Producing Zone Annual Network Wells







### **APPENDIX** A

## 🛟 eurofins

## Environment Testing America

## **ANALYTICAL REPORT**

Eurofins TestAmerica, Pensacola 3355 McLemore Drive Pensacola, FL 32514 Tel: (850)474-1001

#### Laboratory Job ID: 400-210573-1

Client Project/Site: Agrico Pensacola - Annual

#### For:

AECOM 1625 Summit Lake Drive Suite 200 Tallahassee, Florida 32317

Attn: Ms. Amy Mixon

oël Savoie

Authorized for release by: 12/21/2021 3:49:15 PM

Noel Savoie, Project Manager I (850)254-0107 Noel.Savoie@Eurofinset.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env

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|                       |    |

#### Job ID: 400-210573-1

#### Laboratory: Eurofins TestAmerica, Pensacola

#### Narrative

Job Narrative 400-210573-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/2/2021 4:43 PM, 11/3/2021 4:45 PM and 11/4/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.0° C, 4.2° C, 5.5° C and 11.5° C.

#### HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: AC-25D (400-210573-1), AC-35D (400-210573-2), AC-12D (400-210662-1), AC-12D (400-210662-1][MS]), AC-12D (400-210662-1][MS]), AC-13D (400-210662-2), AC-24D (400-210662-3), AC-29D (400-210662-4) and AC-3D (400-210714-1). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-555020 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### RAD

#### Method 903.0: Radium 226 batch 535218

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. AC-25D (400-210573-1), AC-35D (400-210573-2), AC-2D (400-210573-3), AC-2S (400-210573-4), DUP-1 (400-210573-5), (LCS 160-535218/1-A), (LCSD 160-535218/2-A) and (MB 160-535218/2-A)

#### Method 903.0: Radium 226 batch 535638

The method blank (MB) has activity above the MDC and RL. The following associated samples are below the reporting limit for the contaminant, therefore, re-analysis is not required. The data have been reported. (MB 160-535638/23-A)

#### Method 903.0: Radium 226 batch 535638

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. AC-3D (400-210714-1), ACB-315 (400-210714-2), EQ-1 (400-210714-3), (LCS 160-535638/1-A), (LCSD 160-535638/2-A) and (MB 160-535638/23-A)

#### Method 903.0: Radium 226 batch 538437

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. AC-12D (400-210662-1), AC-12D (400-210662-1[MS]), AC-12D (400-210662-1[MSD]), AC-13D (400-210662-2), AC-24D (400-210662-3), AC-29D (400-210662-4), (LCS 160-538437/1-A) and (MB 160-538437/23-A)

#### Method 904.0: Radium 228 batch 535642

The LCS/LCSD recovered at (72% & 69%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (61-138) per method requirements. The LCS passes, no further action is required. (LCS 160-535642/1-A) and (LCSD 160-535642/2-A)

#### Method 904.0: Radium 228 batch 535642

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time

#### Job ID: 400-210573-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Pensacola (Continued)

applied as the Activity Reference Date. AC-3D (400-210714-1), ACB-315 (400-210714-2), EQ-1 (400-210714-3), (LCS 160-535642/1-A), (LCSD 160-535642/2-A) and (MB 160-535642/23-A)

#### Method 904.0: Radium 228 batch 539795

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. AC-25D (400-210573-1), AC-35D (400-210573-2), AC-2D (400-210573-3), AC-2S (400-210573-4), DUP-1 (400-210573-5), (LCS 160-539795/1-A), (LCSD 160-539795/2-A) and (MB 160-539795/2-A)

#### Method 904.0: Radium 228 batch 538441

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. AC-12D (400-210662-1), AC-12D (400-210662-1[MS]), AC-12D (400-210662-1[MSD]), AC-13D (400-210662-2), AC-24D (400-210662-3), AC-29D (400-210662-4), (LCS 160-538441/1-A) and (MB 160-538441/23-A)

#### Method PrecSep\_0: Radium-228 Prep Batch 160-535234

The following samples were prepared at a reduced aliquot due to Matrix: AC-25D (400-210573-1), AC-35D (400-210573-2) and AC-2S (400-210573-4). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

#### Method PrecSep\_0: Radium-228 Prep Batch 160-539795

The following samples were prepared at a reduced aliquot due to Matrix: AC-35D (400-210573-2) and AC-2D (400-210573-3). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

#### Method PrecSep-21: Radium-226 Prep Batch 160-535218

The following samples were prepared at a reduced aliquot due to Matrix: AC-2D (400-210573-3) and DUP-1 (400-210573-5). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead of a sample duplicate (DUP) to demonstrate batch precision.

#### Method PrecSep-21: Radium-226 Prep Batch 160-535218

Insufficient sample volume was available to perform a sample duplicate for the following samples: AC-25D (400-210573-1), AC-35D (400-210573-2) and AC-2S (400-210573-4). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### **General Chemistry**

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-554556 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 353.2: The following samples were diluted to bring the concentration of target analytes within the calibration range: AC-25D (400-210573-1), AC-35D (400-210573-2), AC-12D (400-210662-1), AC-13D (400-210662-2), AC-24D (400-210662-3) and AC-29D (400-210662-4). Elevated reporting limits (RLs) are provided.

Methods 353.2, SM 4500 NO3 F: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-554573 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 353.2: The following sample was diluted to bring the concentration of target analytes within the calibration range: AC-12D (400-210662-1). Elevated reporting limits (RLs) are provided.

#### Job ID: 400-210573-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 353.2: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 400-554556 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Nitrate Nitrite as N in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Methods 353.2, SM 4500 NO3 F: The following sample was diluted to bring the concentration of target analytes within the calibration range: AC-3D (400-210714-1). Elevated reporting limits (RLs) are provided.

Methods 353.2, SM 4500 NO3 F: The matrix spike (MS) recoveries for analytical batch 400-555476 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### **Detection Summary**

PQL

10

10

0.10

0.050

0.10

PQL

10

10

0.25

0.050

0.10

MDL Unit

mg/L

MDL Unit

Result Qualifier

260

120

3.7

0.45

220

210

7.0

7.0

0.59

3.7 F1

Result Qualifier

#### Client: AECOM Project/Site: Agrico Pensacola - Annual

Client Sample ID: AC-35D

Analyte

Chloride

Sulfate

Fluoride

Analyte

Chloride

Sulfate

Fluoride

Nitrate Nitrite as N

Nitrate Nitrite as N

Nitrate as N

Nitrate as N

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Lab Sample ID: 400-210573-1

Lab Sample ID: 400-210573-2

Lab Sample ID: 400-210573-4

Lab Sample ID: 400-210573-5

Lab Sample ID: 400-210662-1

Dil Fac D Method

10

10

2

1

1

Dil Fac D

10

10

5

1

1

300.0

300.0

353.2

Method

300.0

300.0

353.2

Nitrate by calc SM 4500 F C

Nitrate by calc

SM 4500 F C

| 4 |
|---|
| 5 |
|   |
|   |
| 8 |
| 9 |

10 11

12 13

## Lab Sample ID: 400-210573-3

| Analyte              | Result C | Qualifier PQL | MDL | Unit | Dil Fac | D | Method          | Prep Type |
|----------------------|----------|---------------|-----|------|---------|---|-----------------|-----------|
| Chloride             | 4.9      | 1.0           |     | mg/L | 1       |   | 300.0           | Total/NA  |
| Sulfate              | 21       | 1.0           |     | mg/L | 1       |   | 300.0           | Total/NA  |
| Nitrate Nitrite as N | 1.1      | 0.050         |     | mg/L | 1       |   | 353.2           | Total/NA  |
| Nitrate as N         | 1.1      | 0.050         |     | mg/L | 1       |   | Nitrate by calc | Total/NA  |
| Fluoride             | 2.1      | 0.10          |     | mg/L | 1       |   | SM 4500 F C     | Total/NA  |

#### **Client Sample ID: AC-2S**

**Client Sample ID: AC-2D** 

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | Dil Fac | D | Method          | Prep Type |
|----------------------|--------|-----------|-------|-----|------|---------|---|-----------------|-----------|
| Chloride             | 2.6    |           | 1.0   |     | mg/L | 1       | _ | 300.0           | Total/NA  |
| Sulfate              | 47     |           | 1.0   |     | mg/L | 1       |   | 300.0           | Total/NA  |
| Nitrate Nitrite as N | 1.4    |           | 0.050 |     | mg/L | 1       |   | 353.2           | Total/NA  |
| Nitrate as N         | 1.4    |           | 0.050 |     | mg/L | 1       |   | Nitrate by calc | Total/NA  |
| Fluoride             | 22     |           | 0.10  |     | mg/L | 1       |   | SM 4500 F C     | Total/NA  |

#### Client Sample ID: DUP-1

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | Dil Fac | D | Method          | Prep Type |
|----------------------|--------|-----------|-------|-----|------|---------|---|-----------------|-----------|
| Chloride             | 4.9    |           | 1.0   |     | mg/L | 1       | _ | 300.0           | Total/NA  |
| Sulfate              | 22     |           | 1.0   |     | mg/L | 1       |   | 300.0           | Total/NA  |
| Nitrate Nitrite as N | 1.1    |           | 0.050 |     | mg/L | 1       |   | 353.2           | Total/NA  |
| Nitrate as N         | 1.1    |           | 0.050 |     | mg/L | 1       |   | Nitrate by calc | Total/NA  |
| Fluoride             | 0.54   |           | 0.10  |     | mg/L | 1       |   | SM 4500 F C     | Total/NA  |

#### Client Sample ID: AC-12D

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | Dil Fac | D | Method          | Prep Type |
|----------------------|--------|-----------|-------|-----|------|---------|---|-----------------|-----------|
| Chloride             | 13     |           | 10    |     | mg/L | 10      | _ | 300.0           | Total/NA  |
| Sulfate              | 150    | F1        | 10    |     | mg/L | 10      |   | 300.0           | Total/NA  |
| Nitrate Nitrite as N | 7.6    | F1        | 0.25  |     | mg/L | 5       |   | 353.2           | Total/NA  |
| Nitrate as N         | 7.6    |           | 0.050 |     | mg/L | 1       |   | Nitrate by calc | Total/NA  |
| Fluoride             | 7.4    |           | 0.10  |     | mg/L | 1       |   | SM 4500 F C     | Total/NA  |

This Detection Summary does not include radiochemical test results.

#### **Detection Summary**

PQL

1.0

10

0.25

0.050

PQL

5.0

5.0

0.10

0.050

0.10

MDL Unit

MDL Unit

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

Result Qualifier

19

220

8.6

8.6

Result

79

77

3.5

3.5

0.47

Qualifier

#### Client: AECOM Project/Site: Agrico Pensacola - Annual

#### **Client Sample ID: AC-13D**

Client Sample ID: AC-24D

Analyte

Chloride

Sulfate - DL

Nitrate as N

Analyte

Chloride

Sulfate

Nitrate as N

Fluoride

Nitrate Nitrite as N

Nitrate Nitrite as N

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Dil Fac D Method

1

5

1

Dil Fac D

5

5

2

1

1

10

300.0

300.0

353.2

Method

300.0

300.0

353.2

Nitrate by calc

SM 4500 F C

Lab Sample ID: 400-210714-1

Lab Sample ID: 400-210714-2

Nitrate by calc

# Lab Sample ID: 400-210662-4

#### Client Sample ID: AC-29D

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | Dil Fac | D M | ethod         | Prep Type |  |
|----------------------|--------|-----------|-------|-----|------|---------|-----|---------------|-----------|--|
| Chloride             | 27     |           | 1.0   |     | mg/L | 1       | 30  | 0.0           | Total/NA  |  |
| Sulfate - DL         | 190    |           | 10    |     | mg/L | 10      | 30  | 0.0           | Total/NA  |  |
| Nitrate Nitrite as N | 5.9    |           | 0.25  |     | mg/L | 5       | 35  | 53.2          | Total/NA  |  |
| Nitrate as N         | 5.9    |           | 0.050 |     | mg/L | 1       | Ni  | trate by calc | Total/NA  |  |
| Fluoride             | 18     |           | 0.10  |     | mg/L | 1       | S   | VI 4500 F C   | Total/NA  |  |

#### **Client Sample ID: AC-3D**

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | Dil Fac | DМ | ethod          | Prep Type |
|----------------------|--------|-----------|-------|-----|------|---------|----|----------------|-----------|
| Chloride             | 8.3    |           | 1.0   |     | mg/L | 1       | 30 | 0.0            | Total/NA  |
| Sulfate - DL         | 150    |           | 5.0   |     | mg/L | 5       | 30 | 0.0            | Total/NA  |
| Nitrate Nitrite as N | 3.8    |           | 0.25  |     | mg/L | 5       | 35 | 53.2           | Total/NA  |
| Nitrate as N         | 3.8    |           | 0.050 |     | mg/L | 1       | N  | itrate by calc | Total/NA  |
| Fluoride             | 9.5    |           | 0.10  |     | mg/L | 1       | S  | M 4500 F C     | Total/NA  |

#### **Client Sample ID: ACB-315**

| Analyte              | Result Qu | ualifier PQL | MDL | Unit | Dil Fac | D Method        | Prep Type |
|----------------------|-----------|--------------|-----|------|---------|-----------------|-----------|
| Chloride             | 1.4       | 1.0          |     | mg/L | 1       | 300.0           | Total/NA  |
| Sulfate              | 2.4       | 1.0          |     | mg/L | 1       | 300.0           | Total/NA  |
| Nitrate Nitrite as N | 0.20      | 0.050        |     | mg/L | 1       | 353.2           | Total/NA  |
| Nitrate as N         | 0.20      | 0.050        |     | mg/L | 1       | Nitrate by calc | Total/NA  |
| Fluoride             | 0.19      | 0.10         |     | mg/L | 1       | SM 4500 F C     | Total/NA  |

#### **Client Sample ID: EQ-1**

| Analyte  | Result Qua | lifier PQL | MDL Unit | Dil Fac | D Method | Prep Type |
|----------|------------|------------|----------|---------|----------|-----------|
| Chloride | 1.3        | 1.0        | mg/L     | 1       | 300.0    | Total/NA  |

This Detection Summary does not include radiochemical test results.

#### Client: AECOM Project/Site: Agrico Pensacola - Annual

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 400-210573-1  | AC-25D           | Water  | 11/02/21 09:55 | 11/02/21 16:43 |
| 400-210573-2  | AC-35D           | Water  | 11/02/21 11:09 | 11/02/21 16:43 |
| 400-210573-3  | AC-2D            | Water  | 11/02/21 15:15 | 11/02/21 16:43 |
| 400-210573-4  | AC-2S            | Water  | 11/02/21 15:55 | 11/02/21 16:43 |
| 400-210573-5  | DUP-1            | Water  | 11/02/21 00:00 | 11/02/21 16:43 |
| 400-210662-1  | AC-12D           | Water  | 11/03/21 10:58 | 11/03/21 16:45 |
| 400-210662-2  | AC-13D           | Water  | 11/03/21 09:33 | 11/03/21 16:45 |
| 400-210662-3  | AC-24D           | Water  | 11/03/21 14:58 | 11/03/21 16:45 |
| 400-210662-4  | AC-29D           | Water  | 11/03/21 13:39 | 11/03/21 16:45 |
| 400-210714-1  | AC-3D            | Water  | 11/04/21 11:01 | 11/04/21 17:00 |
| 400-210714-2  | ACB-315          | Water  | 11/04/21 13:08 | 11/04/21 17:00 |
| 400-210714-3  | EQ-1             | Water  | 11/04/21 13:38 | 11/04/21 17:00 |

#### **Client Sample Results**

| Client: AECOM                           |
|---|
| Project/Site: Agrico Pensacola - Annual |

Job ID: 400-210573-1

|                                  |        |           |            |     |              |          |          | 1 15 400 04    | 0.570 4  |   |
|----------------------------------|--------|-----------|------------|-----|--------------|----------|----------|----------------|----------|---|
| Client Sample ID: AC-25D         |        |           |            |     |              |          | Lab Sam  | ole ID: 400-21 | 0573-1   |   |
| Date Collected: 11/02/21 09:55   |        |           |            |     |              |          |          | Matrix         | x: Water |   |
| Date Received: 11/02/21 16:43    |        |           |            |     |              |          |          |                |          |   |
|                                  |        |           |            |     |              |          |          |                |          |   |
|                                  |        |           |            |     |              |          |          |                |          |   |
| Method: 300.0 - Anions, Ion Chro |        |           |            |     |              |          |          |                |          |   |
| Analyte                          |        | Qualifier | PQL        | MDL | Unit         | D        | Prepared | Analyzed       | Dil Fac  | 5 |
|                                  |        | Qualifier | <b>PQL</b> | MDL | Unit<br>mg/L | <u>D</u> | Prepared | Analyzed       | Dil Fac  | 5 |
| Analyte                          | Result | Qualifier |            | MDL |              | <u> </u> | Prepared |                |          |   |
| Analyte Chloride                 |        | Qualifier | 10         | MDL | mg/L         | <u>D</u> | Prepared | 11/08/21 19:22 | 10       | 4 |

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil |
|----------------------|--------|-----------|-------|-----|------|---|----------|----------------|-----|
| Nitrate Nitrite as N | 3.7    | F1        | 0.10  |     | mg/L |   |          | 11/04/21 13:32 |     |
| Nitrate as N         | 3.7    |           | 0.050 |     | mg/L |   |          | 11/03/21 21:29 |     |
| Fluoride             | 0.45   |           | 0.10  |     | mg/L |   |          | 11/08/21 13:41 |     |
| Nitrite as N         | <0.10  |           | 0.10  |     | mg/L |   |          | 11/03/21 21:29 |     |

| Method: 903.0 - Radiu | um-226 (GF | PC)       |          |                  |         |         |       |                |                |         |
|-----------------------|------------|-----------|----------|------------------|---------|---------|-------|----------------|----------------|---------|
|                       |            |           | Count    | Total            |         |         |       |                |                |         |
|                       |            |           | Uncert.  | Uncert.          |         |         |       |                |                |         |
| Analyte               | Result     | Qualifier | (2σ+/-)  | (2 <b>σ+/-</b> ) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226            | 1.71E+0    |           | 2.50E-1  | 2.93E-1          | 1.00E+0 | 1.47E-1 | pCi/L | 11/05/21 10:57 | 11/29/21 09:12 | 1       |
| Carrier               | %Yield     | Qualifier | Limits   |                  |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier            | 9.93E+1    |           | 40 - 110 |                  |         |         |       | 11/05/21 10:57 | 11/29/21 09:12 | 1       |

#### Method: 904.0 - Radium-228 (GFPC)

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 4.59E+0 |           | 5.01E-1  | 6.55E-1 | 1.00E+0 | 3.86E-1 | pCi/L | 12/02/21 08:56 | 12/07/21 13:47 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.10E+1 |           | 40 - 110 |         |         |         |       | 12/02/21 08:56 | 12/07/21 13:47 | 1       |
| Y Carrier  | 8.22E+1 |           | 40 - 110 |         |         |         |       | 12/02/21 08:56 | 12/07/21 13:47 | 1       |

#### **Client Sample ID: AC-35D**

#### Date Collected: 11/02/21 11:09

Date Received: 11/02/21 16:43

| Method: 300.0 - Anions, Ion Chrom | atography |           |     |     |      |   |          |                |         |
|-----------------------------------|-----------|-----------|-----|-----|------|---|----------|----------------|---------|
| Analyte                           | Result    | Qualifier | PQL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                          | 220       |           | 10  |     | mg/L |   |          | 11/08/21 19:47 | 10      |
| Sulfate                           | 210       |           | 10  |     | mg/L |   |          | 11/08/21 19:47 | 10      |

| General      | Chemistry |        |           |       |     |      |   |          |                |         |
|--------------|-----------|--------|-----------|-------|-----|------|---|----------|----------------|---------|
| Analyte      |           | Result | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate Nit  | rite as N | 7.0    |           | 0.25  |     | mg/L |   |          | 11/04/21 13:35 | 5       |
| Nitrate as   | N         | 7.0    |           | 0.050 |     | mg/L |   |          | 11/03/21 21:29 | 1       |
| Fluoride     |           | 0.59   |           | 0.10  |     | mg/L |   |          | 11/08/21 13:30 | 1       |
| Nitrite as N | 1         | <0.10  |           | 0.10  |     | mg/L |   |          | 11/03/21 21:29 | 1       |

#### Method: 903.0 - Radium-226 (GFPC)

|            |         |           | Count   | Total            |         |               |                |                |         |
|------------|---------|-----------|---------|------------------|---------|---------------|----------------|----------------|---------|
|            |         |           | Uncert. | Uncert.          |         |               |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-) | (2 <b>σ+/-</b> ) | RL      | MDC Unit      | Prepared       | Analyzed       | Dil Fac |
| Radium-226 | 1.61E+0 |           | 2.43E-1 | 2.83E-1          | 1.00E+0 | 1.50E-1 pCi/L | 11/05/21 10:57 | 11/29/21 09:12 | 1       |

Lab Sample ID: 400-210573-2

Matrix: Water

Total

Uncert.

(2**σ**+/-)

7.03E-1

RL

1.00E+0

MDC Unit

4.83E-1 pCi/L

Method: 904.0 - Radium-228 (GFPC)

%Yield Qualifier

Result Qualifier

%Yield Qualifier

9.83E+1

4.33E+0

9.13E+1

8.11E+1

Limits

40 - 110

Count Uncert.

(2**σ**+/-)

5.79E-1

Limits

40 - 110

40 - 110

**Client Sample ID: AC-35D** 

Date Collected: 11/02/21 11:09

Date Received: 11/02/21 16:43

Carrier

Ba Carrier

Analyte

Carrier

Ba Carrier

Y Carrier

Radium-228

Matrix: Water

Dil Fac

Dil Fac

1

1

Lab Sample ID: 400-210573-2

Analyzed

11/29/21 09:12

Analyzed

12/07/21 13:47

Analyzed

12/07/21 13:47

12/07/21 13:47

Prepared

11/05/21 10:57

Prepared

12/02/21 08:56

Prepared

12/02/21 08:56

12/02/21 08:56

## 2 3 4 5 6 7

Dil Fac 1 1 573-3

Lab Sample ID: 400-210573-3

Matrix: Water

Date Collected: 11/02/21 15:15 Date Received: 11/02/21 16:43

**Client Sample ID: AC-2D** 

|   | Result Qualifier | PQL | MDL Unit      | D                  | Prepared           | Analyzed           | Dil Fac                           |                                     |
|---|------------------|-----|---------------|--------------------|--------------------|--------------------|-----------------------------------|-------------------------------------|
|   |                  |     |               |                    |                    |                    |                                   |                                     |
| 9 | 4.9              | 1.0 | mg/L          |                    |                    | 11/06/21 16:04     | 1                                 |                                     |
|   | 21               | 1.0 | mg/L          |                    |                    | 11/06/21 16:04     | 1                                 |                                     |
|   |                  | 21  | <b>21</b> 1.0 | <b>21</b> 1.0 mg/L | <b>21</b> 1.0 mg/L | <b>21</b> 1.0 mg/L | <b>21</b> 1.0 mg/L 11/06/21 16:04 | <b>21</b> 1.0 mg/L 11/06/21 16:04 1 |

| Analyte              | Result Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|------------------|-------|-----|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | 1.1              | 0.050 |     | mg/L |   |          | 11/04/21 13:12 | 1       |
| Nitrate as N         | 1.1              | 0.050 |     | mg/L |   |          | 11/03/21 21:30 | 1       |
| Fluoride             | 2.1              | 0.10  |     | mg/L |   |          | 11/08/21 12:14 | 1       |
| Nitrite as N         | <0.10            | 0.10  |     | mg/L |   |          | 11/03/21 21:30 | 1       |

#### Method: 903.0 - Radium-226 (GFPC)

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226 | 1.05E+0 |           | 2.42E-1  | 2.59E-1 | 1.00E+0 | 2.14E-1 | pCi/L | 11/05/21 10:57 | 11/29/21 09:13 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.68E+1 |           | 40 _ 110 |         |         |         |       | 11/05/21 10:57 | 11/29/21 09:13 | 1       |

#### Method: 904.0 - Radium-228 (GFPC)

|            |           |          | Count    | Total            |         |         |       |                |                |         |
|------------|-----------|----------|----------|------------------|---------|---------|-------|----------------|----------------|---------|
|            |           |          | Uncert.  | Uncert.          |         |         |       |                |                |         |
| Analyte    | Result Qu | ualifier | (2σ+/-)  | (2 <b>σ+/-</b> ) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 1.62E+0   |          | 4.05E-1  | 4.32E-1          | 1.00E+0 | 4.80E-1 | pCi/L | 12/02/21 08:56 | 12/07/21 13:47 | 1       |
| Carrier    | %Yield Qu | ualifier | Limits   |                  |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.68E+1   |          | 40 _ 110 |                  |         |         |       | 12/02/21 08:56 | 12/07/21 13:47 | 1       |
| Y Carrier  | 8.15E+1   |          | 40 _ 110 |                  |         |         |       | 12/02/21 08:56 | 12/07/21 13:47 | 1       |

#### **Client Sample Results**

| liant: AECOM                                      |                   |              | Clie               | nt Sam             | ple Res       | sults |      |               |   |                            |                            | 10570 4 |
|---|-------------------|--------------|--------------------|--------------------|---------------|-------|------|---------------|---|----------------------------|----------------------------|---------|
| lient: AECOM<br>roject/Site: Agrico Pens          | sacola - Ani      | nual         |                    |                    |               |       |      |               |   |                            | Job ID: 400-2              | 10573-1 |
| Client Sample ID: A                               |                   |              |                    |                    |               |       |      |               |   | Lab Samp                   | le ID: 400-21              |         |
| ate Collected: 11/02/2<br>ate Received: 11/02/2   |                   |              |                    |                    |               |       |      |               |   |                            | Matrix                     | : Water |
| Method: 300.0 - Anion                             | s, Ion Chro       | omatography  |                    |                    |               |       |      |               |   |                            |                            |         |
| Analyte   |                   | Result       | Qualifier          | F                  | PQL           | MDL   | Unit |               | D | Prepared                   | Analyzed                   | Dil Fac |
| Chloride  |                   | 2.6          |                    |                    | 1.0           |       | mg/L |               |   |                            | 11/06/21 16:29             | 1       |
| Sulfate   |                   | 47           |                    |                    | 1.0           |       | mg/L |               |   |                            | 11/06/21 16:29             | 1       |
| Method: 6010C - Meta                              | ls (ICP) - To     |              |                    |                    |               | MDI   | 11   |               |   | Drenered                   | Analyzad                   |         |
| Analyte   |                   |              | Qualifier          |                    | PQL           | MDL   |      |               |   | Prepared                   | Analyzed                   | Dil Fac |
| Arsenic   |                   | <0.010       |                    | 0.                 | 010           |       | mg/L |               |   | 11/10/21 18:19             | 11/16/21 15:59             | 1       |
| General Chemistry<br>Analyte                      |                   | Rocult       | Qualifier          |                    | PQL           | MDL   | Unit |               | D | Prepared                   | Analyzed                   | Dil Fac |
| Nitrate Nitrite as N                              |                   | - <u>1.4</u> | guaino             |                    | 050           |       | mg/L |               |   |                            | 11/04/21 13:12             | 1       |
| Nitrate as N                                      |                   | 1.4          |                    |                    | 050           |       | mg/L |               |   |                            | 11/03/21 21:30             | 1       |
| Fluoride  |                   | 22           |                    |                    | 0.10          |       | mg/L |               |   |                            | 11/08/21 13:38             | 1       |
| Nitrite as N                                      |                   | <0.10        |                    |                    | ).10          |       | mg/L |               |   |                            | 11/03/21 21:30             | 1       |
| Method: 903.0 - Radiu                             | m-226 (GFI        | PC)          |                    |                    |               |       |      |               |   |                            |                            |         |
|   |                   |              | Count              | Total              |               |       |      |               |   |                            |                            |         |
|   |                   |              | Uncert.            | Uncert.            |               |       |      |               |   |                            |                            |         |
| Analyte   |                   | Qualifier    | (2σ+/-)            | (2σ+/-)            | RL            |       | MDC  |               |   | Prepared                   | Analyzed                   | Dil Fac |
| Radium-226  | 1.24E-1           | U            | 1.06E-1            | 1.07E-1            | 1.00E+0       | 1.64  | 4E-1 | pCi/L         |   | 11/05/21 10:57             | 11/29/21 09:13             | 1       |
| Carrier   | %Yield            | Qualifier    | Limits             |                    |               |       |      |               |   | Prepared                   | Analyzed                   | Dil Fac |
| Ba Carrier  | 9.53E+1           |              | 40 - 110           |                    |               |       |      |               |   | 11/05/21 10:57             | 11/29/21 09:13             | 1       |
| Method: 904.0 - Radiu                             | m-228 (GFI        | PC)          |                    |                    |               |       |      |               |   |                            |                            |         |
|   |                   |              | Count              | Total              |               |       |      |               |   |                            |                            |         |
| A   | Desult            | Qualifian    | Uncert.            | Uncert.            | ы             |       |      | 11            |   | Durant                     | A                          | D!!     |
| Analyte<br>Radium-228                             | Result<br>6.11E-1 | Qualifier    | (2σ+/-)<br>2.66E-1 | (2σ+/-)<br>2.72E-1 | RL<br>1.00E+0 |       |      | Unit<br>pCi/L |   | Prepared<br>12/02/21 08:56 | Analyzed<br>12/07/21 13:48 | Dil Fac |
| Carrier   | %Vield            | Qualifier    | Limits             |                    |               |       |      |               |   | Prepared                   | Analyzed                   | Dil Fac |
| Ba Carrier  | 1.00E+2           |              | 40 - 110           |                    |               |       |      |               |   | 12/02/21 08:56             | 12/07/21 13:48             | 1       |
| Y Carrier   | 8.04E+1           |              | 40 - 110           |                    |               |       |      |               |   | 12/02/21 08:56             | 12/07/21 13:48             | 1       |
| Client Sample ID: D                               | UP-1              |              |                    |                    |               |       |      |               |   | Lab Samp                   | le ID: 400-21              | 0573-5  |
| Date Collected: 11/02/2<br>Date Received: 11/02/2 |                   |              |                    |                    |               |       |      |               |   |                            | Matrix                     | : Water |
| -   |                   |              |                    |                    |               |       |      |               |   |                            |                            |         |
| Method: 300.0 - Anion<br>Analyte                  | s, Ion Chro       |              | Qualifier          |                    | PQL           | MDL   | Unit |               | D | Prepared                   | Analyzed                   | Dil Fac |
| Chloride  |                   | Kesuit<br>   | audiner            | r                  | 1.0           |       | mg/L |               |   | - ispaieu                  | 11/06/21 16:54             | 1       |
| Sulfate   |                   | 4.9<br>22    |                    |                    | 1.0           |       | mg/L |               |   |                            | 11/06/21 16:54             | 1       |
| General Chemistry                                 |                   |              |                    |                    |               |       |      |               |   |                            |                            |         |
| Analyte   |                   | Result       | Qualifier          | F                  | PQL           | MDL   | Unit |               | D | Prepared                   | Analyzed                   | Dil Fac |
| Nitrate Nitrite as N                              |                   | 1.1          |                    |                    | 050           |       | mg/L |               |   |                            | 11/04/21 13:13             | 1       |
| Nitrate as N                                      |                   | 1.1          |                    | 0.                 | 050           |       | mg/L |               |   |                            | 11/03/21 21:30             | 1       |
| Fluoride  |                   | 0.54         |                    |                    | ).10          |       | mg/L |               |   |                            | 11/08/21 13:33             | 1       |
| Thuomac   |                   | 0.01         |                    |                    |               |       |      |               |   |                            |                            |         |

Job ID: 400-210573-1

Matrix: Water

5

6

#### **Client Sample ID: DUP-1** Date Collected: 11/02/21 00:00 Date Received: 11/02/21 16:43

| <br>Method: 903.0 - F | Padium 226 (GE |           |                  |                  |         |         |       |                |                |        |
|-----------------------|----------------|-----------|------------------|------------------|---------|---------|-------|----------------|----------------|--------|
| Method: 303.0 - N     | aulum-220 (Or  | -0)       | Count<br>Uncert. | Total<br>Uncert. |         |         |       |                |                |        |
| Analyte               | Result         | Qualifier | (2σ+/-)          | (2 <b>σ</b> +/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fa |
| Radium-226            | 1.20E+0        |           | 2.60E-1          | 2.82E-1          | 1.00E+0 | 1.97E-1 | pCi/L | 11/05/21 10:57 | 11/29/21 09:13 |        |
| Carrier               | %Yield         | Qualifier | Limits           |                  |         |         |       | Prepared       | Analyzed       | Dil Fa |
| Ba Carrier            | 8.63E+1        |           | 40 - 110         |                  |         |         |       | 11/05/21 10:57 | 11/29/21 09:13 |        |

#### Method: 904.0 - Radium-228 (GFPC)

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 1.37E+0 |           | 4.22E-1  | 4.40E-1 | 1.00E+0 | 5.52E-1 | pCi/L | 12/02/21 08:56 | 12/07/21 13:48 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.33E+1 |           | 40 _ 110 |         |         |         |       | 12/02/21 08:56 | 12/07/21 13:48 | 1       |
| Y Carrier  | 8.07E+1 |           | 40 - 110 |         |         |         |       | 12/02/21 08:56 | 12/07/21 13:48 | 1       |

#### **Client Sample ID: AC-12D**

#### Date Collected: 11/03/21 10:58 Date Received: 11/03/21 16:45

| Method: 300.0 - Anions, Ion Ch | romatography |           |       |     |      |   |          |                |         |
|--------------------------------|--------------|-----------|-------|-----|------|---|----------|----------------|---------|
| Analyte                        | Result       | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                       | 13           |           | 10    |     | mg/L |   |          | 11/08/21 17:43 | 10      |
| Sulfate                        | 150          | F1        | 10    |     | mg/L |   |          | 11/08/21 17:43 | 10      |
| General Chemistry              |              |           |       |     |      |   |          |                |         |
| Analyte                        | Result       | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate Nitrite as N           | 7.6          | F1        | 0.25  |     | mg/L |   |          | 11/04/21 14:59 | 5       |
| Nitrate as N                   | 7.6          |           | 0.050 |     | mg/L |   |          | 11/03/21 20:57 | 1       |
| Fluoride                       | 7.4          |           | 0.10  |     | mg/L |   |          | 11/08/21 11:41 | 1       |

0.10

mg/L

<0.10

#### Method: 903.0 - Radium-226 (GFPC)

Nitrite as N

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226 | 1.53E+0 |           | 2.17E-1  | 2.57E-1 | 1.00E+0 | 1.25E-1 | pCi/L | 11/24/21 09:32 | 12/17/21 11:25 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 8.63E+1 |           | 40 - 110 |         |         |         |       | 11/24/21 09:32 | 12/17/21 11:25 | 1       |

#### Method: 904.0 - Radium-228 (GFPC)

|            |         |           | Count    | Total            |         |         |       |                |                |         |
|------------|---------|-----------|----------|------------------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert.          |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2 <b>σ+/-</b> ) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 4.67E+0 |           | 5.30E-1  | 6.82E-1          | 1.00E+0 | 3.70E-1 | pCi/L | 11/24/21 10:09 | 12/02/21 12:58 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |                  |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 8.63E+1 |           | 40 - 110 |                  |         |         |       | 11/24/21 10:09 | 12/02/21 12:58 | 1       |
| Y Carrier  | 8.11E+1 |           | 40 _ 110 |                  |         |         |       | 11/24/21 10:09 | 12/02/21 12:58 | 1       |

Eurofins TestAmerica, Pensacola

11/03/21 20:57

Lab Sample ID: 400-210573-5

1

#### **Client Sample Results**

PQL

PQL

PQL

0.25

0.050

0.10

0.10

10

1.0

MDL Unit

MDL Unit

MDL Unit

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

D

D

D

Prepared

Prepared

Prepared

Result Qualifier

Result Qualifier

Result Qualifier

19

220

8.6

8.6

<0.10

<0.10

Client: AECOM Project/Site: Agrico Pensacola - Annual

Method: 300.0 - Anions, Ion Chromatography

Method: 300.0 - Anions, Ion Chromatography - DL

**Client Sample ID: AC-13D** 

Date Collected: 11/03/21 09:33

Date Received: 11/03/21 16:45

Analyte

Chloride

Analyte

Sulfate

Analyte

Fluoride

Nitrite as N

Nitrate as N

**General Chemistry** 

Nitrate Nitrite as N

Job ID: 400-210573-1

Lab Sample ID: 400-210662-2

Analyzed

11/03/21 20:57

11/08/21 13:22

11/03/21 20:57

## 1 2 3 4 5 6 7 8

| 11/05/21 17:15             | 1                    | 6 |
|----------------------------|----------------------|---|
| Analyzed                   | <b>Dil Fac</b><br>10 | 7 |
|                            |                      | 8 |
| Analyzed<br>11/04/21 13:39 | Dil Fac<br>5         | ç |

Dil Fac

Matrix: Water

1

1

1

#### Method: 903.0 - Radium-226 (GFPC)

|            |         |           | Count    | Total          |         |         |       |                |                |         |   |
|------------|---------|-----------|----------|----------------|---------|---------|-------|----------------|----------------|---------|---|
|            |         |           | Uncert.  | Uncert.        |         |         |       |                |                |         |   |
| Analyte    | Result  | Qualifier | (2σ+/-)  | <b>(2σ+/-)</b> | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac | 1 |
| Radium-226 | 1.38E+0 |           | 1.98E-1  | 2.34E-1        | 1.00E+0 | 1.11E-1 | pCi/L | 11/24/21 09:32 | 12/17/21 12:08 | 1       | ļ |
| Carrier    | %Yield  | Qualifier | Limits   |                |         |         |       | Prepared       | Analyzed       | Dil Fac |   |
| Ba Carrier | 9.35E+1 |           | 40 _ 110 |                |         |         |       | 11/24/21 09:32 | 12/17/21 12:08 | 1       |   |

#### Method: 904.0 - Radium-228 (GFPC)

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 5.44E+0 |           | 5.33E-1  | 7.31E-1 | 1.00E+0 | 3.47E-1 | pCi/L | 11/24/21 10:09 | 12/02/21 12:51 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.35E+1 |           | 40 _ 110 |         |         |         |       | 11/24/21 10:09 | 12/02/21 12:51 | 1       |
| Y Carrier  | 8.45E+1 |           | 40 _ 110 |         |         |         |       | 11/24/21 10:09 | 12/02/21 12:51 | 1       |

#### **Client Sample ID: AC-24D**

Date Collected: 11/03/21 14:58

Date Received: 11/03/21 16:45

| Method: 300.0 - Anions, Ion C | hromatography |           |       |     |      |   |          |                |         |
|-------------------------------|---------------|-----------|-------|-----|------|---|----------|----------------|---------|
| Analyte                       | Result        | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                      | 79            |           | 5.0   |     | mg/L |   |          | 11/08/21 18:33 | 5       |
| Sulfate                       | 77            |           | 5.0   |     | mg/L |   |          | 11/08/21 18:33 | 5       |
| General Chemistry             |               |           |       |     |      |   |          |                |         |
| Analyte                       | Result        | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate Nitrite as N          | 3.5           |           | 0.10  |     | mg/L |   |          | 11/04/21 13:40 | 2       |
| Nitrate as N                  | 3.5           |           | 0.050 |     | mg/L |   |          | 11/03/21 20:57 | 1       |
| Fluoride                      | 0.47          |           | 0.10  |     | mg/L |   |          | 11/08/21 13:26 | 1       |
| Nitrite as N                  | <0.10         |           | 0.10  |     | mg/L |   |          | 11/03/21 20:57 | 1       |

Lab Sample ID: 400-210662-3

Matrix: Water

Total

Uncert.

(2**σ**+/-)

2.29E-1

Total

Uncert.

(2**σ**+/-)

6.85E-1

RL

RL

1.00E+0

1.00E+0

MDC Unit

MDC Unit

3.87E-1 pCi/L

1.25E-1 pCi/L

Count

Uncert.

(2**σ**+/-)

1.97E-1

Limits

40 - 110

Count

Uncert.

(2σ+/-)

5.19E-1

Limits

40 - 110

40 - 110

7.68E-1

Method: 903.0 - Radium-226 (GFPC)

Method: 904.0 - Radium-228 (GFPC)

Result Qualifier

%Yield Qualifier

**Result Qualifier** 

Qualifier

1.29E+0

9.00E+1

4.86E+0

%Yield

9.00E+1

8.64E+1

Date Received: 11/03/21 16:45

Analyte

Carrier

Analyte

Carrier

Ba Carrier

Y Carrier

Radium-228

Ba Carrier

Radium-226

#### Lab Sample ID: 400-210662-3 Matrix: Water

Analyzed

12/17/21 12:09

Analyzed

12/17/21 12:09

Analyzed

12/02/21 12:51

Analyzed

12/02/21 12:51

12/02/21 12:51

Prepared

11/24/21 09:32

Prepared

11/24/21 09:32

Prepared

11/24/21 10:09

Prepared

11/24/21 10:09

11/24/21 10:09

Dil Fac

Dil Fac

Dil Fac

Dil Fac

1

1

1

1

#### Lab Sample ID: 400-210662-4 Matrix: Water

**Client Sample ID: AC-29D** Date Collected: 11/03/21 13:39 Date Received: 11/03/21 16:45

| Analyte                     | Result           | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------------|-----------|-------|-----|------|---|----------|----------------|---------|
| Chloride                    | 27               |           | 1.0   |     | mg/L |   |          | 11/05/21 18:05 | 1       |
| Method: 300.0 - Anions, Ion | Chromatography - | DL        |       |     |      |   |          |                |         |
| Analyte                     | Result           | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Sulfate                     | 190              |           | 10    |     | mg/L |   |          | 11/08/21 18:58 | 10      |
| General Chemistry           |                  |           |       |     |      |   |          |                |         |
| Analyte                     | Result           | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate Nitrite as N        | 5.9              |           | 0.25  |     | mg/L |   |          | 11/04/21 13:41 | 5       |
| Nitrate as N                | 5.9              |           | 0.050 |     | mg/L |   |          | 11/03/21 21:29 | 1       |
| Fluoride                    | 18               |           | 0.10  |     | mg/L |   |          | 11/08/21 12:18 | 1       |
| Nitrite as N                | <0.10            |           | 0.10  |     | mg/L |   |          | 11/03/21 21:29 | 1       |

#### Method: 903.0 - Radium-226 (GFPC)

1.19E+1

Radium-228

|                   |               |           | Count    | Total   |         |         |       |                |                |         |
|-------------------|---------------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|                   |               |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte           | Result        | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226        | 1.17E+0       |           | 1.85E-1  | 2.13E-1 | 1.00E+0 | 1.12E-1 | pCi/L | 11/24/21 09:32 | 12/17/21 12:09 | 1       |
| Carrier           | %Yield        | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier        | 9.03E+1       |           | 40 - 110 |         |         |         |       | 11/24/21 09:32 | 12/17/21 12:09 | 1       |
| Method: 904.0 - R | adium-228 (GF | PC)       |          |         |         |         |       |                |                |         |
|                   |               |           | Count    | Total   |         |         |       |                |                |         |
|                   |               |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte           | Result        | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |

1.34E+0

12/02/21 12:51

11/24/21 10:09

1.00E+0

3.56E-1 pCi/L

1

**Client Sample ID: AC-29D** 

Job ID: 400-210573-1

Lab Sample ID: 400-210662-4

## 2 3 4 5 6 7 8 9

| ate Collected: 11/03/                         | 21 13:39     |              |                  |         |         |     |      |       |            | Matrix: Wat    |                |                |  |
|---|--------------|--------------|------------------|---------|---------|-----|------|-------|------------|----------------|----------------|----------------|--|
| ate Received: 11/03/2                         | 21 16:45     |              |                  |         |         |     |      |       |            |                |                |                |  |
| Carrier                                       | %Vield       | Qualifier    | Limits           |         |         |     |      |       |            | Prepared       | Analyzed       | Dil Fa         |  |
| Ba Carrier                                    | 9.03E+1      |              | 40 - 110         |         |         |     |      |       |            | 11/24/21 10:09 | 12/02/21 12:51 |                |  |
| Y Carrier                                     | 8.67E+1      |              | 40 - 110         |         |         |     |      |       |            | 11/24/21 10:09 | 12/02/21 12:51 |                |  |
|   | 0.07 2       |              |                  |         |         |     |      |       |            |                |                |                |  |
| lient Sample ID: /                            | AC-3D        |              |                  |         |         |     |      |       |            | Lab Samp       | le ID: 400-21  | <b>0714-</b> 1 |  |
| ate Collected: 11/04/                         | 21 11:01     |              |                  |         |         |     |      |       |            |                | Matrix         | k: Wate        |  |
| ate Received: 11/04/2                         | 21 17:00     |              |                  |         |         |     |      |       |            |                |                |                |  |
| Method: 300.0 - Anio                          | ns, Ion Chro | matography   |                  |         |         |     |      |       |            |                |                |                |  |
| Analyte                                       |              | Result       | Qualifier        | F       | PQL     | MDL | Unit |       | _ <u>D</u> | Prepared       | Analyzed       | Dil Fa         |  |
| Chloride                                      |              | 8.3          |                  |         | 1.0     |     | mg/L |       |            |                | 11/06/21 17:19 |                |  |
| Method: 300.0 - Anio                          | ns Ion Chro  | matography - | ы                |         |         |     |      |       |            |                |                |                |  |
| Analyte                                       |              |              | Qualifier        | F       | PQL     | MDL | Unit |       | D          | Prepared       | Analyzed       | Dil Fa         |  |
| Sulfate                                       |              | 150          |                  |         | 5.0     |     | mg/L |       |            |                | 11/08/21 20:12 |                |  |
|   |              |              |                  |         |         |     | 5 -  |       |            |                |                |                |  |
| General Chemistry                             |              |              |                  |         |         |     |      |       |            |                |                |                |  |
| Analyte                                       |              | Result       | Qualifier        |         | PQL     | MDL | Unit |       | D          | Prepared       | Analyzed       | Dil Fa         |  |
| Nitrate Nitrite as N                          |              | 3.8          |                  | (       | ).25    |     | mg/L |       |            |                | 11/11/21 11:21 | :              |  |
| Nitrate as N                                  |              | 3.8          |                  | 0.      | 050     |     | mg/L |       |            |                | 11/04/21 18:41 |                |  |
| Fluoride                                      |              | 9.5          |                  | (       | ).10    |     | mg/L |       |            |                | 11/08/21 12:10 |                |  |
| Nitrite as N                                  |              | <0.10        |                  | (       | 0.10    |     | mg/L |       |            |                | 11/04/21 18:41 |                |  |
| Method: 903.0 - Radi                          | um-226 (GFI  | PC)          | Count            | Total   |         |     |      |       |            |                |                |                |  |
|   |              |              | Uncert.          | Uncert. |         |     |      |       |            |                |                |                |  |
| Analyte                                       | Posult       | Qualifier    | (2σ+/-)          | (2σ+/-) | RL      |     | MDC  | Unit  |            | Prepared       | Analyzed       | Dil Fa         |  |
| Radium-226                                    | 9.80E-1      |              | 1.73E-1          | 1.94E-1 | 1.00E+0 |     |      | pCi/L |            | 11/09/21 10:24 | 12/02/21 19:53 |                |  |
|   |              |              |                  |         |         |     |      | F -   |            |                |                |                |  |
| Carrier                                       | %Yield       | Qualifier    | Limits           |         |         |     |      |       |            | Prepared       | Analyzed       | Dil Fa         |  |
| Ba Carrier                                    | 1.02E+2      |              | 40 - 110         |         |         |     |      |       |            | 11/09/21 10:24 | 12/02/21 19:53 |                |  |
| Method: 904.0 - Radi                          | um-228 (GFI  | PC)          |                  |         |         |     |      |       |            |                |                |                |  |
|   |              | -,           | Count            | Total   |         |     |      |       |            |                |                |                |  |
|   |              |              | Uncert.          | Uncert. |         |     |      |       |            |                |                |                |  |
| Analyte                                       | Result       | Qualifier    | (2 <b>σ+/-</b> ) | (2σ+/-) | RL      |     | MDC  | Unit  |            | Prepared       | Analyzed       | Dil Fa         |  |
| Radium-228                                    | 8.24E+0      |              | 6.36E-1          | 9.90E-1 | 1.00E+0 | 3.9 | 4E-1 | pCi/L |            | 11/09/21 11:17 | 11/24/21 13:22 |                |  |
| Carrier                                       | % Viold      | Qualifier    | Limits           |         |         |     |      |       |            | Prepared       | Analyzed       | Dil Fa         |  |
| Ba Carrier                                    | 1.02E+2      |              | 40 - 110         |         |         |     |      |       |            | 11/09/21 11:17 | 11/24/21 13:22 |                |  |
| Y Carrier                                     | 8.71E+1      |              | 40 - 110         |         |         |     |      |       |            | 11/09/21 11:17 | 11/24/21 13:22 |                |  |
|   |              |              |                  |         |         |     |      |       |            |                |                |                |  |
| lient Sample ID:                              |              |              |                  |         |         |     |      |       |            | Lab Samp       | le ID: 400-21  | 0714-2         |  |
| ate Collected: 11/04/<br>ate Received: 11/04/ |              |              |                  |         |         |     |      |       |            |                | Matri          | k: Wate        |  |
|   |              |              |                  |         |         |     |      |       |            |                |                |                |  |
| Method: 300.0 - Anio                          | ns, Ion Chro |              |                  |         |         |     |      |       |            |                |                |                |  |
| Analyte                                       |              |              | Qualifier        | F       | 2QL     | MDL | Unit |       | D          | Prepared       | Analyzed       | Dil Fa         |  |
| Chloride                                      |              | 1.4          |                  |         | 1.0     |     | mg/L |       |            |                | 11/06/21 17:44 |                |  |
| Sulfate                                       |              | 2.4          |                  |         | 1.0     |     | mg/L |       |            |                | 11/06/21 17:44 |                |  |
| • • • • • •                                   |              |              |                  |         |         |     |      |       |            |                |                |                |  |
| General Chemistry                             |              |              |                  |         |         |     |      |       |            |                |                |                |  |
| General Chemistry<br>Analyte                  |              | Result       | Qualifier        | F       | PQL     | MDL | Unit |       | D          | Prepared       | Analyzed       | Dil Fa         |  |

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#### **Client Sample Results**

Job ID: 400-210573-1

Matrix: Water

Lab Sample ID: 400-210714-2

Lab Sample ID: 400-210714-3

Matrix: Water

#### Client: AECOM Project/Site: Agrico Pensacola - Annual

#### **Client Sample ID: ACB-315 Date Collected:**

| Date Collected: 11/04/21 13:08 |  |
|--------------------------------|--|
| Date Received: 11/04/21 17:00  |  |

| General Chem | histry (Continued) |               |          |     |          |                |         |
|--------------|--------------------|---------------|----------|-----|----------|----------------|---------|
| Analyte      | Result             | Qualifier PQL | MDL Unit | : D | Prepared | Analyzed       | Dil Fac |
| Nitrate as N | 0.20               | 0.050         | mg/      |     |          | 11/04/21 18:41 | 1       |
| Fluoride     | 0.19               | 0.10          | mg/      | L   |          | 11/08/21 11:51 | 1       |
| Nitrite as N | <0.10              | 0.10          | mg/      | L   |          | 11/04/21 18:41 | 1       |

#### Method: 903.0 - Radium-226 (GFPC)

|            |          |           | Count    | Total   |         |         |       |                |                |         |
|------------|----------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |          |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result   | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226 | -4.05E-3 | U         | 5.31E-2  | 5.31E-2 | 1.00E+0 | 1.09E-1 | pCi/L | 11/09/21 10:24 | 12/02/21 19:53 | 1       |
| Carrier    | %Yield   | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 1.03E+2  |           | 40 - 110 |         |         |         |       | 11/09/21 10:24 | 12/02/21 19:53 | 1       |

#### Method: 904.0 - Radium-228 (GFPC)

|            |         |           | Count    | Total   |         |         |       |                |                |         |
|------------|---------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|            |         |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte    | Result  | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228 | 4.59E-1 |           | 2.41E-1  | 2.45E-1 | 1.00E+0 | 3.56E-1 | pCi/L | 11/09/21 11:17 | 11/24/21 13:22 | 1       |
| Carrier    | %Yield  | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 1.03E+2 |           | 40 _ 110 |         |         |         |       | 11/09/21 11:17 | 11/24/21 13:22 | 1       |
| Y Carrier  | 8.90E+1 |           | 40 - 110 |         |         |         |       | 11/09/21 11:17 | 11/24/21 13:22 | 1       |

#### **Client Sample ID: EQ-1**

Date Collected: 11/04/21 13:38

Date Received: 11/04/21 17:00

| Method: 300.0 - Anions, Ion C | hromatography    |     |       |      |   |          |                |         |
|-------------------------------|------------------|-----|-------|------|---|----------|----------------|---------|
| Analyte                       | Result Qualifier | PQL | MDL U | Jnit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                      | 1.3              | 1.0 | m     | ng/L |   |          | 11/06/21 18:09 | 1       |
| Sulfate                       | <1.0             | 1.0 | m     | ng/L |   |          | 11/06/21 18:09 | 1       |
| General Chemistry             |                  |     |       |      |   |          |                |         |

| Analyte              | Result | Qualifier | PQL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-------|-----|------|---|----------|----------------|---------|
| Nitrate Nitrite as N | <0.050 |           | 0.050 |     | mg/L |   |          | 11/11/21 11:04 | 1       |
| Nitrate as N         | <0.050 |           | 0.050 |     | mg/L |   |          | 11/04/21 19:13 | 1       |
| Fluoride             | <0.10  |           | 0.10  |     | mg/L |   |          | 11/08/21 11:54 | 1       |
| Nitrite as N         | <0.10  |           | 0.10  |     | mg/L |   |          | 11/04/21 19:13 | 1       |
|                      |        |           |       |     |      |   |          |                |         |

#### Method: 903.0 - Radium-226 (GFPC)

|            |          |           | Count    | Total            |         |         |       |                |                |         |
|------------|----------|-----------|----------|------------------|---------|---------|-------|----------------|----------------|---------|
|            |          |           | Uncert.  | Uncert.          |         |         |       |                |                |         |
| Analyte    | Result   | Qualifier | (2σ+/-)  | (2 <b>σ+/-</b> ) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-226 | -1.14E-2 | U         | 5.60E-2  | 5.60E-2          | 1.00E+0 | 1.18E-1 | pCi/L | 11/09/21 10:24 | 12/02/21 19:53 | 1       |
| Carrier    | %Yield   | Qualifier | Limits   |                  |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier | 9.85E+1  |           | 40 - 110 |                  |         |         |       | 11/09/21 10:24 | 12/02/21 19:53 | 1       |

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#### Client Sample ID: EQ-1 Date Collected: 11/04/21 13:38

Date Received: 11/04/21 17:00

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| Method: 904.0 - F | Radium-228 (GFI | PC)       | Count    | Total   |         |         |       |                |                |         |
|-------------------|-----------------|-----------|----------|---------|---------|---------|-------|----------------|----------------|---------|
|                   |                 |           | Uncert.  | Uncert. |         |         |       |                |                |         |
| Analyte           | Result          | Qualifier | (2σ+/-)  | (2σ+/-) | RL      | MDC     | Unit  | Prepared       | Analyzed       | Dil Fac |
| Radium-228        | -1.24E-1        | U         | 2.21E-1  | 2.21E-1 | 1.00E+0 | 4.19E-1 | pCi/L | 11/09/21 11:17 | 11/24/21 13:23 | 1       |
| Carrier           | %Yield          | Qualifier | Limits   |         |         |         |       | Prepared       | Analyzed       | Dil Fac |
| Ba Carrier        | 9.85E+1         |           | 40 - 110 |         |         |         |       | 11/09/21 11:17 | 11/24/21 13:23 | 1       |
| Y Carrier         | 8.30E+1         |           | 40 _ 110 |         |         |         |       | 11/09/21 11:17 | 11/24/21 13:23 | 1       |

Lab Sample ID: 400-210714-3

Job ID: 400-210573-1

Matrix: Water

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#### Client: AECOM Project/Site: Agrico Pensacola - Annual

#### Qualifiors

| Qualifiers     |   |    |
|----------------|---|----|
| HPLC/IC        |   |    |
| Qualifier      | Qualifier Description   |    |
| F1             | MS and/or MSD recovery exceeds control limits.  |    |
| General Chen   | nistry  | 5  |
| Qualifier      | Qualifier Description   |    |
| F1             | MS and/or MSD recovery exceeds control limits.  |    |
| Rad            |   |    |
| Qualifier      | Qualifier Description   | 7  |
| U              | Result is less than the sample detection limit.   |    |
| Glossary       |   | 8  |
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 | 9  |
| ¤              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |    |
| %R             | Percent Recovery  |    |
| CFL            | Contains Free Liquid  |    |
| CFU            | Colony Forming Unit   |    |
| CNF            | Contains No Free Liquid   |    |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |    |
| Dil Fac        | Dilution Factor   |    |
| DL             | Detection Limit (DoD/DOE)   | 12 |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | 13 |
| DLC            | Decision Level Concentration (Radiochemistry)   |    |
| EDL            | Estimated Detection Limit (Dioxin)  |    |
| LOD            | Limit of Detection (DoD/DOE)  |    |
| LOQ            | Limit of Quantitation (DoD/DOE)   |    |
| MCL            | EPA recommended "Maximum Contaminant Level"   |    |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |    |
|                |   |    |

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

ML Minimum Level (Dioxin)

MPN Most Probable Number

MQL Method Quantitation Limit NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent

POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

Relative Error Ratio (Radiochemistry) RER

- Reporting Limit or Requested Limit (Radiochemistry) RL
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

#### Client: AECOM Project/Site: Agrico Pensacola - Annual

#### HPLC/IC

#### Analysis Batch: 554758

| Lab Sample ID        | Client Sample ID       | Ргер Туре | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-210573-3         | AC-2D                  | Total/NA  | Water  | 300.0  |            |
| 400-210573-4         | AC-2S                  | Total/NA  | Water  | 300.0  |            |
| 400-210573-5         | DUP-1                  | Total/NA  | Water  | 300.0  |            |
| 400-210662-2         | AC-13D                 | Total/NA  | Water  | 300.0  |            |
| 400-210662-4         | AC-29D                 | Total/NA  | Water  | 300.0  |            |
| 400-210714-1         | AC-3D                  | Total/NA  | Water  | 300.0  |            |
| 400-210714-2         | ACB-315                | Total/NA  | Water  | 300.0  |            |
| 400-210714-3         | EQ-1                   | Total/NA  | Water  | 300.0  |            |
| MB 400-554758/24     | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 400-554758/85     | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-554758/22    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 400-554758/83    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-554758/23   | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| LCSD 400-554758/84   | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| MRL 400-554758/25    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| MRL 400-554758/86    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| nalysis Batch: 55502 | 0                      |           |        |        |            |
| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batc  |
| 400-210573-1         | AC-25D                 | Total/NA  | Water  | 300.0  |            |
| 400-210573-2         | AC-35D                 | Total/NA  | Water  | 300.0  |            |
| 400-210662-1         | AC-12D                 | Total/NA  | Water  | 300.0  |            |
| 400-210662-2 - DL    | AC-13D                 | Total/NA  | Water  | 300.0  |            |
| 400-210662-3         | AC-24D                 | Total/NA  | Water  | 300.0  |            |

| 400-210662-2 - DL  | AC-13D                 | Total/NA | Water | 300.0 |  |
|--------------------|------------------------|----------|-------|-------|--|
| 400-210662-3       | AC-24D                 | Total/NA | Water | 300.0 |  |
| 400-210662-4 - DL  | AC-29D                 | Total/NA | Water | 300.0 |  |
| 400-210714-1 - DL  | AC-3D                  | Total/NA | Water | 300.0 |  |
| MB 400-555020/46   | Method Blank           | Total/NA | Water | 300.0 |  |
| MB 400-555020/7    | Method Blank           | Total/NA | Water | 300.0 |  |
| LCS 400-555020/44  | Lab Control Sample     | Total/NA | Water | 300.0 |  |
| LCS 400-555020/5   | Lab Control Sample     | Total/NA | Water | 300.0 |  |
| LCSD 400-555020/45 | Lab Control Sample Dup | Total/NA | Water | 300.0 |  |
| LCSD 400-555020/6  | Lab Control Sample Dup | Total/NA | Water | 300.0 |  |
| MRL 400-555020/47  | Lab Control Sample     | Total/NA | Water | 300.0 |  |
| MRL 400-555020/8   | Lab Control Sample     | Total/NA | Water | 300.0 |  |
| 400-210662-1 MS    | AC-12D                 | Total/NA | Water | 300.0 |  |
| 400-210662-1 MSD   | AC-12D                 | Total/NA | Water | 300.0 |  |
|                    |                        |          |       |       |  |

#### **Metals**

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#### Prep Batch: 555398

| Lab Sample ID<br>400-210573-4 | Client Sample ID<br>AC-2S | Prep Type Total Recoverable    | _ Matrix<br>Water | Method 3005A           | Prep Batch           |  |  |
|-------------------------------|---------------------------|--------------------------------|-------------------|------------------------|----------------------|--|--|
| MB 400-555398/1-A             | Method Blank              | Total Recoverable              | Water             | 3005A                  |                      |  |  |
| LCS 400-555398/2-A            | Lab Control Sample        | Total Recoverable              | Water             | 3005A                  |                      |  |  |
| Analysis Batch: 556211        |                           |                                |                   |                        |                      |  |  |
| Lab Sample ID<br>400-210573-4 | Client Sample ID<br>AC-2S | Prep Type<br>Total Recoverable | _ Matrix<br>Water | <u>Method</u><br>6010C | Prep Batch<br>555398 |  |  |
| MB 400-555398/1-A             | Method Blank              | Total Recoverable              | Water             | 6010C                  | 555398               |  |  |
| LCS 400-555398/2-A            | Lab Control Sample        | Total Recoverable              | Water             | 6010C                  | 555398               |  |  |

#### General Chemistry

#### Analysis Batch: 554452

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-210573-1      | AC-25D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210573-2      | AC-35D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210573-3      | AC-2D              | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210573-4      | AC-2S              | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210573-5      | DUP-1              | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-1      | AC-12D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-2      | AC-13D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-3      | AC-24D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-4      | AC-29D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| MB 400-554452/6   | Method Blank       | Total/NA  | Water  | SM 4500 NO2 B |            |
| LCS 400-554452/48 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO2 B |            |
| MRL 400-554452/3  | Lab Control Sample | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-1 MS   | AC-12D             | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210662-1 MSD  | AC-12D             | Total/NA  | Water  | SM 4500 NO2 B |            |

#### Analysis Batch: 554556

| Lab Sample ID    | Client Sample ID   | Ргер Туре | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 400-210573-1     | AC-25D             | Total/NA  | Water  | 353.2  |            |
| 400-210573-2     | AC-35D             | Total/NA  | Water  | 353.2  |            |
| 400-210573-3     | AC-2D              | Total/NA  | Water  | 353.2  |            |
| 400-210573-4     | AC-2S              | Total/NA  | Water  | 353.2  |            |
| 400-210573-5     | DUP-1              | Total/NA  | Water  | 353.2  |            |
| 400-210662-2     | AC-13D             | Total/NA  | Water  | 353.2  |            |
| 400-210662-3     | AC-24D             | Total/NA  | Water  | 353.2  |            |
| 400-210662-4     | AC-29D             | Total/NA  | Water  | 353.2  |            |
| MB 400-554556/1  | Method Blank       | Total/NA  | Water  | 353.2  |            |
| LCS 400-554556/2 | Lab Control Sample | Total/NA  | Water  | 353.2  |            |
| 400-210573-1 MS  | AC-25D             | Total/NA  | Water  | 353.2  |            |
| 400-210573-1 MSD | AC-25D             | Total/NA  | Water  | 353.2  |            |

#### Analysis Batch: 554573

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 400-210662-1     | AC-12D             | Total/NA  | Water  | 353.2  |            |
| MB 400-554573/1  | Method Blank       | Total/NA  | Water  | 353.2  |            |
| LCS 400-554573/2 | Lab Control Sample | Total/NA  | Water  | 353.2  |            |
| 400-210662-1 MS  | AC-12D             | Total/NA  | Water  | 353.2  |            |
| 400-210662-1 MSD | AC-12D             | Total/NA  | Water  | 353.2  |            |

#### Analysis Batch: 554628

| Lab Sample ID     | Client Sample ID   | Ргер Туре | Matrix | Method        | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 400-210714-1      | AC-3D              | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210714-2      | ACB-315            | Total/NA  | Water  | SM 4500 NO2 B |            |
| 400-210714-3      | EQ-1               | Total/NA  | Water  | SM 4500 NO2 B |            |
| MB 400-554628/9   | Method Blank       | Total/NA  | Water  | SM 4500 NO2 B |            |
| LCS 400-554628/36 | Lab Control Sample | Total/NA  | Water  | SM 4500 NO2 B |            |
| MRL 400-554628/6  | Lab Control Sample | Total/NA  | Water  | SM 4500 NO2 B |            |

#### Analysis Batch: 555001

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 400-210573-1  | AC-25D           | Total/NA  | Water  | SM 4500 F C |            |
| 400-210573-2  | AC-35D           | Total/NA  | Water  | SM 4500 F C |            |

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### **QC Association Summary**

### Client: AECOM Project/Site: Agrico Pensacola - Annual

### **General Chemistry (Continued)**

### Analysis Batch: 555001 (Continued)

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method      | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 400-210573-3     | AC-2D              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210573-4     | AC-2S              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210573-5     | DUP-1              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-1     | AC-12D             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-2     | AC-13D             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-3     | AC-24D             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-4     | AC-29D             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210714-1     | AC-3D              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210714-2     | ACB-315            | Total/NA  | Water  | SM 4500 F C |            |
| 400-210714-3     | EQ-1               | Total/NA  | Water  | SM 4500 F C |            |
| MB 400-555001/3  | Method Blank       | Total/NA  | Water  | SM 4500 F C |            |
| LCS 400-555001/6 | Lab Control Sample | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-1 MS  | AC-12D             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210662-1 MSD | AC-12D             | Total/NA  | Water  | SM 4500 F C |            |

### Analysis Batch: 555097

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method          | Prep Batch |  |
|---------------|------------------|-----------|--------|-----------------|------------|--|
| 400-210714-1  | AC-3D            | Total/NA  | Water  | Nitrate by calc |            |  |
| 400-210714-2  | ACB-315          | Total/NA  | Water  | Nitrate by calc |            |  |
| 400-210714-3  | EQ-1             | Total/NA  | Water  | Nitrate by calc |            |  |

### Analysis Batch: 555270

| Lab Sample ID    | Client Sample ID | Ргер Туре | Matrix | Method          | Prep Batch |
|------------------|------------------|-----------|--------|-----------------|------------|
| 400-210573-1     | AC-25D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210573-2     | AC-35D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210573-3     | AC-2D            | Total/NA  | Water  | Nitrate by calc |            |
| 400-210573-4     | AC-2S            | Total/NA  | Water  | Nitrate by calc |            |
| 400-210573-5     | DUP-1            | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-1     | AC-12D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-2     | AC-13D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-3     | AC-24D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-4     | AC-29D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-1 MS  | AC-12D           | Total/NA  | Water  | Nitrate by calc |            |
| 400-210662-1 MSD | AC-12D           | Total/NA  | Water  | Nitrate by calc |            |

### Analysis Batch: 555476

| Lab Sample ID     | Client Sample ID   | Ргер Туре | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 400-210714-1      | AC-3D              | Total/NA  | Water  | 353.2  |            |
| 400-210714-2      | ACB-315            | Total/NA  | Water  | 353.2  |            |
| 400-210714-3      | EQ-1               | Total/NA  | Water  | 353.2  |            |
| MB 400-555476/84  | Method Blank       | Total/NA  | Water  | 353.2  |            |
| LCS 400-555476/85 | Lab Control Sample | Total/NA  | Water  | 353.2  |            |
| MRL 400-555476/13 | Lab Control Sample | Total/NA  | Water  | 353.2  |            |

### Rad

### Prep Batch: 535218

| Lab Sample ID<br>400-210573-1 | Client Sample ID<br>AC-25D | Prep Type<br>Total/NA | Matrix<br>Water | Method<br>PrecSep-21 | Prep Batch |
|-------------------------------|----------------------------|-----------------------|-----------------|----------------------|------------|
| 400-210573-2                  | AC-35D                     | Total/NA              | Water           | PrecSep-21           |            |
| 400-210573-3                  | AC-2D                      | Total/NA              | Water           | PrecSep-21           |            |

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

### Client: AECOM Project/Site: Agrico Pensacola - Annual

**Client Sample ID** 

Method Blank

Lab Control Sample

**Client Sample ID** 

Lab Control Sample Dup

AC-2S

DUP-1

AC-3D

EQ-1

ACB-315

Method Blank

Lab Control Sample

Lab Control Sample Dup

Prep Batch: 535218 (Continued)

**Rad (Continued)** 

Lab Sample ID

400-210573-4

400-210573-5

MB 160-535218/23-A

LCS 160-535218/1-A

LCSD 160-535218/2-A

Prep Batch: 535638

Lab Sample ID

400-210714-1

400-210714-2

400-210714-3

Method

PrecSep-21

PrecSep-21

PrecSep-21

PrecSep-21

PrecSep-21

Method

PrecSep-21

PrecSep-21

PrecSep-21

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PrecSep-21

PrecSep-21

Matrix

Water

Water

Water

Water

Water

Matrix

Water

Water

Water

Water

Water

Water

Prep Batch

Prep Batch

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### LCSD 160-535638/2-A Prep Batch: 535642

MB 160-535638/23-A

LCS 160-535638/1-A

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 400-210714-1        | AC-3D                  | Total/NA  | Water  | PrecSep_0 |            |
| 400-210714-2        | ACB-315                | Total/NA  | Water  | PrecSep_0 |            |
| 400-210714-3        | EQ-1                   | Total/NA  | Water  | PrecSep_0 |            |
| MB 160-535642/23-A  | Method Blank           | Total/NA  | Water  | PrecSep_0 |            |
| LCS 160-535642/1-A  | Lab Control Sample     | Total/NA  | Water  | PrecSep_0 |            |
| LCSD 160-535642/2-A | Lab Control Sample Dup | Total/NA  | Water  | PrecSep_0 |            |

### Prep Batch: 538437

| Lab Sample ID      | Client Sample ID   | Ргер Туре | Matrix | Method     | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 400-210662-1       | AC-12D             | Total/NA  | Water  | PrecSep-21 | ·          |
| 400-210662-2       | AC-13D             | Total/NA  | Water  | PrecSep-21 |            |
| 400-210662-3       | AC-24D             | Total/NA  | Water  | PrecSep-21 |            |
| 400-210662-4       | AC-29D             | Total/NA  | Water  | PrecSep-21 |            |
| MB 160-538437/23-A | Method Blank       | Total/NA  | Water  | PrecSep-21 |            |
| LCS 160-538437/1-A | Lab Control Sample | Total/NA  | Water  | PrecSep-21 |            |
| 400-210662-1 MS    | AC-12D             | Total/NA  | Water  | PrecSep-21 |            |
| 400-210662-1 MSD   | AC-12D             | Total/NA  | Water  | PrecSep-21 |            |

### Prep Batch: 538441

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method    | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 400-210662-1       | AC-12D             | Total/NA  | Water  | PrecSep_0 |            |
| 400-210662-2       | AC-13D             | Total/NA  | Water  | PrecSep_0 |            |
| 400-210662-3       | AC-24D             | Total/NA  | Water  | PrecSep_0 |            |
| 400-210662-4       | AC-29D             | Total/NA  | Water  | PrecSep_0 |            |
| MB 160-538441/23-A | Method Blank       | Total/NA  | Water  | PrecSep_0 |            |
| LCS 160-538441/1-A | Lab Control Sample | Total/NA  | Water  | PrecSep_0 |            |
| 400-210662-1 MS    | AC-12D             | Total/NA  | Water  | PrecSep_0 |            |
| 400-210662-1 MSD   | AC-12D             | Total/NA  | Water  | PrecSep_0 |            |

### Prep Batch: 539795

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method Prep Bat | tch |
|---------------|------------------|-----------|--------|-----------------|-----|
| 400-210573-1  | AC-25D           | Total/NA  | Water  | PrecSep_0       |     |
| 400-210573-2  | AC-35D           | Total/NA  | Water  | PrecSep_0       |     |
| 400-210573-3  | AC-2D            | Total/NA  | Water  | PrecSep_0       |     |

### Rad (Continued)

### Prep Batch: 539795 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| 400-210573-4        | AC-2S                  | Total/NA  | Water  | PrecSep_0 |            |
| 400-210573-5        | DUP-1                  | Total/NA  | Water  | PrecSep_0 |            |
| MB 160-539795/23-A  | Method Blank           | Total/NA  | Water  | PrecSep_0 |            |
| LCS 160-539795/1-A  | Lab Control Sample     | Total/NA  | Water  | PrecSep_0 |            |
| LCSD 160-539795/2-A | Lab Control Sample Dup | Total/NA  | Water  | PrecSep_0 |            |

Lab Sample ID: MB 400-554758/24

Method: 300.0 - Anions, Ion Chromatography

**Client Sample ID: Method Blank** 

| Lab Sample ID: INB 400-554756/24  |        |           |              |     |              |      |       |              |         |     | Client S  | ample ID:                                  | wethoa   | Біалк   |
|-----------------------------------|--------|-----------|--------------|-----|--------------|------|-------|--------------|---------|-----|-----------|--|----------|---------|
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   | МВ     | МВ        |              |     |              |      |       |              |         |     |           |  |          |         |
| Analyte                           | Result | Qualifier |              | PQL |              | MDL  | Unit  |              | D       | P   | repared   | Analyz                                     | ed       | Dil Fac |
| Chloride                          | <1.0   |           |              | 1.0 |              |      | mg/L  |              |         |     |           | 11/05/21                                   | 15:10    | 1       |
| Sulfate                           | <1.0   |           |              | 1.0 |              |      | mg/L  |              |         |     |           | 11/05/21                                   | 15:10    | 1       |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Lab Sample ID: MB 400-554758/85   |        |           |              |     |              |      |       |              |         |     | Client S  | ample ID:                                  | Method   | Blank   |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   | MB     | MB        |              |     |              |      |       |              |         |     |           |  |          |         |
| Analyte                           | Result | Qualifier |              | PQL |              | MDL  | Unit  |              | D       | P   | repared   | Analyz                                     | ed       | Dil Fac |
| Chloride                          | <1.0   |           |              | 1.0 |              |      | mg/L  |              |         |     |           | 11/06/21                                   | 06:31    | 1       |
| Sulfate                           | <1.0   |           |              | 1.0 |              |      | mg/L  |              |         |     |           | 11/06/21                                   | 06:31    | 1       |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Lab Sample ID: LCS 400-554758/22  |        |           |              |     |              |      |       |              | Clie    | ent | Sample    | ID: Lab Co                                 |          |         |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   |        |           | Spike        |     | LCS          | LCS  |       |              |         |     |           | %Rec.                                      |          |         |
| Analyte                           |        |           | Added        |     | Result       | Qual | ifier | Unit         |         | D   | %Rec      | Limits                                     |          |         |
| Chloride                          |        |           | 10.0         |     | 9.72         |      |       | mg/L         |         |     | 97        | 90 - 110                                   |          |         |
| Sulfate                           |        |           | 10.0         |     | 9.21         |      |       | mg/L         |         |     | 92        | 90 _ 110                                   |          |         |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Lab Sample ID: LCS 400-554758/83  |        |           |              |     |              |      |       |              | Clie    | ent | Sample    | ID: Lab Co                                 | ontrol S | ample   |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | уре: То  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   |        |           | Spike        |     | LCS          | LCS  |       |              |         |     |           | %Rec.                                      |          |         |
| Analyte                           |        |           | Added        |     | Result       | Qual | ifier | Unit         |         | D   | %Rec      | Limits                                     |          |         |
| Chloride                          |        |           | 10.0         |     | 9.82         |      |       | mg/L         |         |     | 98        | 90 - 110                                   |          |         |
| Sulfate                           |        |           | 10.0         |     | 9.78         |      |       | mg/L         |         |     | 98        | 90 _ 110                                   |          |         |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Lab Sample ID: LCSD 400-554758/23 |        |           |              |     |              |      |       | CI           | lient S | am  | ple ID: I | ab Contro                                  |          |         |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   |        |           | Spike        |     | LCSD         |      |       |              |         |     |           | %Rec.                                      |          | RPD     |
| Analyte                           |        |           | Added        |     | Result       | Qual | ifier | Unit         |         | D   | %Rec      | Limits                                     | RPD      | Limit   |
| Chloride                          |        |           | 10.0         |     | 9.81         |      |       | mg/L         |         |     | 98        | 90 - 110                                   | 1        | 15      |
| Sulfate                           |        |           | 10.0         |     | 9.34         |      |       | mg/L         |         |     | 93        | 90 _ 110                                   | 1        | 15      |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Lab Sample ID: LCSD 400-554758/84 |        |           |              |     |              |      |       | C            | lient S | am  | ple ID: I | _ab Contro                                 |          |         |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
|                                   |        |           | Spike        |     | LCSD         |      |       |              |         |     |           | %Rec.                                      |          | RPD     |
| Analyte                           |        |           | Added        |     | Result       | Qual | ifier | Unit         |         | D   | %Rec      | Limits                                     | RPD      | Limit   |
| Chloride                          |        |           | 10.0         |     | 9.80         |      |       | mg/L         |         |     | 98        | 90 _ 110                                   | 0        | 15      |
| Sulfate                           |        |           | 10.0         |     | 9.89         |      |       | mg/L         |         |     | 99        | 90 - 110                                   | 1        | 15      |
|                                   |        |           |              |     |              |      |       |              |         |     | <u> </u>  |  |          |         |
| Lab Sample ID: MRL 400-554758/25  |        |           |              |     |              |      |       |              | Cli     | ent | Sample    | ID: Lab Co                                 |          |         |
| Matrix: Water                     |        |           |              |     |              |      |       |              |         |     |           | Prep 1                                     | ype: To  | otal/NA |
| Analysis Batch: 554758            |        |           | • •          |     |              |      |       |              |         |     |           | ~-   |          |         |
|                                   |        |           | Spike        |     | MRL          |      |       |              |         | _   |           | %Rec.                                      |          |         |
| Analyte                           |        |           | Added        |     | Result       | Qual | ifier | Unit         |         | D   | %Rec      | Limits                                     |          |         |
|                                   |        |           |              |     |              |      |       |              |         |     |           |  |          |         |
| Chloride<br>Sulfate               |        |           | 1.00<br>1.00 |     | <1.0<br><1.0 |      |       | mg/L<br>mg/L |         |     | 80<br>72  | 50 <sub>-</sub> 150<br>50 <sub>-</sub> 150 |          |         |

### Method: 300.0 - Anions, Ion Chromatography

| Lab Sample ID: MRL 400-554758/86<br>Matrix: Water   |        |           |   |     |  |                                     |                     |  | CI       | lient                              | Sample   | ID: Lab Con<br>Prep Ty   |  |   |
|---|--------|-----------|---|-----|--|-------------------------------------|---------------------|--|----------|------------------------------------|--|--|--|---|
| Analysis Batch: 554758  |        |           | 0   |     | MDI  |                                     |                     |  |          |                                    |  | 0/ <b>D</b>  |  |   |
| Analyta   |        |           | Spike<br>Added  |     | MRL<br>Result  | MRL                                 | fior                | Unit   |          | D                                  | %Rec   | %Rec.<br>Limits  |  |   |
| Analyte   |        |           | 1.00  |     | <1.0   | Quai                                | mer                 |  |          | _                                  | 83   |  |  |   |
| Sulfate   |        |           | 1.00  |     | <1.0   |                                     |                     | mg/L<br>mg/L   |          |                                    | 63<br>83   | 50 - 150<br>50 - 150   |  |   |
|   |        |           |   |     |  |                                     |                     | U  |          |                                    |  |  |  |   |
| Lab Sample ID: MB 400-555020/46   |        |           |   |     |  |                                     |                     |  |          |                                    | Client S   | ample ID: Me   |  |   |
| Matrix: Water   |        |           |   |     |  |                                     |                     |  |          |                                    |  | Prep Typ   | be: To   | tal/NA  |
| Analysis Batch: 555020  |        |           |   |     |  |                                     |                     |  |          |                                    |  |  |  |   |
|   |        | MB        |   |     |  |                                     |                     |  | _        | _                                  |  |  |  |   |
| Analyte   |        | Qualifier |   | PQL |  | MDL                                 |                     |  | <u>D</u> | P                                  | repared  | Analyzed   |  | Dil Fac   |
| Chloride  | <1.0   |           |   | 1.0 |  |                                     | mg/L                |  |          |                                    |  | 11/09/21 06:   |  | 1   |
| Sulfate   | <1.0   |           |   | 1.0 |  |                                     | mg/L                |  |          |                                    |  | 11/09/21 06:   | 58   | 1   |
| Lab Sample ID: MB 400-555020/7  |        |           |   |     |  |                                     |                     |  |          |                                    | Client S   | ample ID: Me   | thod   | Blank   |
| Matrix: Water   |        |           |   |     |  |                                     |                     |  |          |                                    |  | Prep Ty  | e: To  | tal/NA  |
| Analysis Batch: 555020  |        |           |   |     |  |                                     |                     |  |          |                                    |  |  |  |   |
|   | MB     | МВ        |   |     |  |                                     |                     |  |          |                                    |  |  |  |   |
| Analyte   | Result | Qualifier |   | PQL |  | MDL                                 | Unit                |  | D        | P                                  | repared  | Analyzed   |  | Dil Fac   |
| Chloride  | <1.0   |           |   | 1.0 |  |                                     | mg/L                |  |          |                                    |  | 11/08/21 14:   | 49   | 1   |
| Sulfate   | <1.0   |           |   | 1.0 |  |                                     | mg/L                |  |          |                                    |  | 11/08/21 14:   | 49   | 1   |
| Lab Sample ID: LCS 400 555020/44  |        |           |   |     |  |                                     |                     |  | <b>C</b> | liont                              | Sample   |  | tral C   | omole   |
| Lab Sample ID: LCS 400-555020/44  |        |           |   |     |  |                                     |                     |  |          | ient                               | Sample   | ID: Lab Con  |  |   |
| NA - Autor AAA-Autor  |        |           |   |     |  |                                     |                     |  |          |                                    |  | Pron IV  | <u>)e. 10</u>  | tai/N/  |
| Matrix: Water   |        |           |   |     |  |                                     |                     |  |          |                                    |  | Prep Typ   |  |   |
| Matrix: Water<br>Analysis Batch: 555020   |        |           | 0   |     | 1.00   | 1.00                                |                     |  |          |                                    |  |  |  | can rer   |
| Analysis Batch: 555020  |        |           | Spike   |     |  | LCS                                 |                     | 11   |          |                                    | % <b>D</b>   | %Rec.  |  |   |
| Analysis Batch: 555020<br>Analyte   |        |           | Added   |     | Result   |                                     | ifier               | Unit   |          | <u>D</u>                           | %Rec   | %Rec.<br>Limits  |  |   |
| Analysis Batch: 555020 Analyte Chloride   |        |           | <b>Added</b><br>10.0  |     | Result<br>9.78   |                                     | ifier               | mg/L   |          | <u>D</u>                           | 98   | %Rec.<br>Limits<br>90 - 110  |  |   |
| Analysis Batch: 555020<br>Analyte   |        |           | Added   |     | Result   |                                     | ifier               |  |          | <u>D</u>                           |  | %Rec.<br>Limits  |  |   |
| Analysis Batch: 555020 Analyte Chloride   |        |           | <b>Added</b><br>10.0  |     | Result<br>9.78   |                                     | ifier               | mg/L   |          | _                                  | 98<br>98   | %Rec.<br>Limits<br>90 - 110  |  |   |
| Analysis Batch: 555020 Analyte Chloride Sulfate   |        |           | <b>Added</b><br>10.0  |     | Result<br>9.78   |                                     | ifier               | mg/L   | CI       | _                                  | 98<br>98   | %Rec.<br>Limits<br>90 - 110<br>90 - 110  | trol Sa  | ample   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5   |        |           | <b>Added</b><br>10.0  |     | Result<br>9.78   |                                     | ifier               | mg/L   | CI       | _                                  | 98<br>98   | %Rec.<br>Limits<br>90 - 110<br>90 - 110<br>91D: Lab Con  | trol Sa  | ample   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water  |        |           | <b>Added</b><br>10.0  |     | <b>Result</b><br>9.78<br>9.84  |                                     | ifier               | mg/L   | CI       | _                                  | 98<br>98   | %Rec.<br>Limits<br>90 - 110<br>90 - 110<br>91D: Lab Con  | trol Sa  | ample   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water  |        |           | Added<br>10.0<br>10.0   |     | <b>Result</b><br>9.78<br>9.84  | Qual                                |                     | mg/L   | CI       | _                                  | 98<br>98   | %Rec.<br>Limits<br>90 - 110<br>90 - 110<br>90 - 110<br>PID: Lab Con<br>Prep Typ  | trol Sa  | ample   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020  |        |           | Added<br>10.0<br>10.0<br>Spike  |     | <b>Result</b><br>9.78<br>9.84  | Qual                                |                     | mg/L<br>mg/L   | CI       | lient                              | 98<br>98<br>Sample   | %Rec.<br>Limits<br>90 - 110<br>90 - 110<br>90 - 110<br>PID: Lab Con<br>Prep Typ<br>%Rec.   | trol Sa  | ample   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added   |     | Result<br>9.78<br>9.84<br>LCS<br>Result  | Qual                                |                     | mg/L<br>mg/L<br>Unit   | CI       | lient                              | 98<br>98<br>Sample   | %Rec.           Limits           90 - 110           90 - 110           90 - 110           PID: Lab Con           Prep Type           %Rec.           Limits  | trol Sa  | ample   |
| Analysis Batch: 555020 Analyte Chloride Sulfate Lab Sample ID: LCS 400-555020/5 Matrix: Water Analysis Batch: 555020 Analyte Chloride Sulfate   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0   |     | Result           9.78           9.84           LCS           Result           9.67   | Qual                                |                     | mg/L<br>mg/L<br><u>Unit</u><br>mg/L<br>mg/L                    |          | _<br>lient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98  | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Tyj           %Rec.           Limits           90 - 110           90 - 110   | trol Sabe: To  | ample<br>tal/NA   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0   |     | Result           9.78           9.84           LCS           Result           9.67   | Qual                                |                     | mg/L<br>mg/L<br><u>Unit</u><br>mg/L<br>mg/L                    |          | _<br>lient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98  | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           20 - 110           90 - 110           90 - 110  | trol Sampl   | ample<br>tal/NA<br>e Dup  |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water  |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0   |     | Result           9.78           9.84           LCS           Result           9.67   | Qual                                |                     | mg/L<br>mg/L<br><u>Unit</u><br>mg/L<br>mg/L                    |          | _<br>lient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98  | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Tyj           %Rec.           Limits           90 - 110           90 - 110   | trol Sampl   | ample<br>tal/NA<br>e Dup  |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0   |     | Result           9.78           9.84           LCS           Result           9.67   | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br><u>Unit</u><br>mg/L<br>mg/L                    |          | _<br>lient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98  | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           20 - 110           90 - 110           90 - 110  | trol Sampl   | ample<br>tal/NA<br>e Dup  |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water  |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0   |     | Result           9.78           9.84           LCS           Result           9.67           9.77  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br><u>Unit</u><br>mg/L<br>mg/L                    |          | _<br>lient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98  | %Rec.           10           90 - 110           90 - 110           91 D: Lab Con           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           Prep Typ           %Rec.           Limits           90 - 110           Prep Typ   | trol Sampl   | ample<br>tal/NA<br>e Dup<br>tal/NA  |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water<br>Analysis Batch: 555020  |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike  |     | Result           9.78           9.84           LCS           Result           9.67           9.77  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C                              |          | _<br>iient                         | 98<br>98<br>Sample<br><u>%Rec</u><br>97<br>98<br>98  | %Rec.           10           90 - 110           90 - 110           91D: Lab Con           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           90 - 110           90 - 10           WRec.           WRec.   | trol Sabe: To<br>Sampl<br>be: To   | ample<br>tal/NA<br>e Dup<br>tal/NA<br>RPD   |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added                                   |     | Result<br>9.78<br>9.84<br>LCS<br>Result<br>9.67<br>9.77<br>LCSD<br>Result  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br>Mg/L<br>mg/L<br>C<br>Unit                      |          | _<br>iient                         | 98<br>98<br>Sample<br>%Rec<br>97<br>98<br>ple ID: I  | %Rec.           10           90 - 110           90 - 110           91D: Lab Con           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           90 - 110           WRec.           Limits           90 - 110           Limits           90 - 110           WRec.           Limits  | Samploe: To  | e Dup<br>tal/NA<br>tal/NA<br>RPD<br>Limit   |
| Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCS 400-555020/5 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/45 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Chloride Sulfate   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0                           |     | Result           9.78           9.84           LCS           Result           9.67           9.77  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L      | lient    | _<br>lient<br>Sam                  | 98<br>98<br>Sample<br>97<br>97<br>98<br>98<br><b>ople ID: I</b><br>%Rec<br>98<br>99                              | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Tyj           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           %Rec.           Limits           90 - 110           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110  | Samploe: To<br>RPD<br>0<br>0   | e Dup<br>tal/NA<br>tal/NA<br>RPD<br>Limit<br>15                                   |
| Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCS 400-555020/5 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/45 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/6   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0                           |     | Result           9.78           9.84           LCS           Result           9.67           9.77  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L      | lient    | _<br>lient<br>Sam                  | 98<br>98<br>Sample<br>97<br>97<br>98<br>98<br><b>ople ID: I</b><br>%Rec<br>98<br>99                              | %Rec.           Limits           90 - 110           90 - 110           90 - 110           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           wRec.           Limits           90 - 110           %Rec.           Limits           90 - 110           wRec.           Limits           90 - 110           90 - 110           90 - 110  | Sampl<br>be: To  | e Dup<br>tal/NA<br>tal/NA<br>RPD<br>Limit<br>15<br>15<br>15                       |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/6<br>Matrix: Water |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0                           |     | Result           9.78           9.84           LCS           Result           9.67           9.77  | Qual<br>LCS<br>Qual                 | ifier               | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L      | lient    | _<br>lient<br>Sam                  | 98<br>98<br>Sample<br>97<br>97<br>98<br>98<br><b>ople ID: I</b><br>%Rec<br>98<br>99                              | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con           Prep Tyj           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110           %Rec.           Limits           90 - 110           %Rec.           Limits           90 - 110           90 - 110           90 - 110           90 - 110  | Sampl<br>be: To  | e Dup<br>tal/NA<br>tal/NA<br>RPD<br>Limit<br>15<br>15<br>15                       |
| Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCS 400-555020/5 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/45 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/6   |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0                           |     | Result           9.78           9.84           LCS           Result           9.67           9.77           LCSD           Result           9.77           9.89                | Qual<br>LCS<br>Qual<br>LCSI<br>Qual | ifier<br>D          | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L      | lient    | _<br>lient<br>Sam                  | 98<br>98<br>Sample<br>97<br>97<br>98<br>98<br><b>ople ID: I</b><br>%Rec<br>98<br>99                              | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con<br>Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           WRec.           Limits           90 - 110           Lab Control S           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110 | Sampl<br>be: To  | e Dup<br>tal/NA<br>e Dup<br>tal/NA<br>RPD<br>Limit<br>15<br>15<br>e Dup<br>tal/NA |
| Analysis Batch: 555020  Analyte  Chloride Sulfate  Lab Sample ID: LCS 400-555020/5 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/45 Matrix: Water Analysis Batch: 555020  Analyte Chloride Sulfate Lab Sample ID: LCSD 400-555020/6 Matrix: Water Analysis Batch: 555020                        |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added |     | Result           9.78           9.84           LCS           Result           9.67           9.77           LCSD           Result           9.77           9.89           LCSD | Qual<br>LCS<br>Qual<br>LCSI         | ifier<br>)<br>jfier | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L<br>C | lient    | _<br>lient<br>_<br>Sam<br>_<br>Sam | 98<br>98<br><b>Sample</b><br>97<br>98<br><b>ople ID: I</b><br>98<br><b>ople ID: I</b><br>99<br><b>ople ID: I</b> | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con<br>Prep Typ           %Rec.           Limits           90 - 110           90 - 110           WRec.           Limits           90 - 110           ARec.           Limits           90 - 110           Limits           90 - 110           90 - 110           90 - 110           90 - 110           90 - 110           90 - 110           WRec.           Virgital           WRec.                            | Samploe: To<br>RPD<br>0<br>0<br>Samploe: To<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | e Dup<br>tal/NA<br>RPD<br>Limit<br>15<br>15<br>e Dup<br>tal/NA<br>RPD             |
| Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCS 400-555020/5<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/45<br>Matrix: Water<br>Analysis Batch: 555020<br>Analyte<br>Chloride<br>Sulfate<br>Lab Sample ID: LCSD 400-555020/6<br>Matrix: Water |        |           | Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0<br>10.0<br>Spike<br>Added<br>10.0                           |     | Result           9.78           9.84           LCS           Result           9.67           9.77           LCSD           Result           9.77           9.89                | Qual<br>LCS<br>Qual<br>LCSI         | ifier<br>)<br>jfier | mg/L<br>mg/L<br>mg/L<br>mg/L<br>C<br>Unit<br>mg/L<br>mg/L      | lient    | _<br>lient<br>Sam                  | 98<br>98<br>Sample<br>97<br>97<br>98<br>98<br><b>ople ID: I</b><br>%Rec<br>98<br>99                              | %Rec.           Limits           90 - 110           90 - 110           91 D: Lab Con<br>Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           WRec.           Limits           90 - 110           Lab Control S           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110           Prep Typ           %Rec.           Limits           90 - 110           90 - 110           90 - 110 | Sampl<br>be: To  | e Dup<br>tal/NA<br>e Dup<br>tal/NA<br>RPD<br>Limit<br>15<br>15<br>e Dup<br>tal/NA |

12/21/2021

MRL MRL

<1.0

<1.0

Result Qualifier

Unit

mg/L

mg/L

Spike

Added

1.00

1.00

Spike

Added

1.00

1.00

Lab Sample ID: MRL 400-555020/47

Lab Sample ID: MRL 400-555020/8

Lab Sample ID: 400-210662-1 MS

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Chloride

Sulfate

Analyte

Chloride

Sulfate

Analysis Batch: 555020

Analysis Batch: 555020

Analysis Batch: 555020

Method: 300.0 - Anions, Ion Chromatography

%Rec.

Limits

50 - 150

50 - 150

### **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

9

### **Client Sample ID: Lab Control Sample** Prep Type: Total/NA MRL MRL %Rec. Result Qualifier Unit D %Rec Limits <1.0 80 50 - 150 mg/L <1.0 mg/L 78 50 - 150 Client Sample ID: AC-12D Prep Type: Total/NA

D

%Rec

81

79

|          | Sample | Sample    | Spike | MS     | MS        |      |   |      | %Rec.    |  |
|----------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   |  |
| Chloride | 13     |           | 100   | 133    |           | mg/L |   | 120  | 80 - 120 |  |
| Sulfate  | 150    | F1        | 100   | 464    | F1        | mg/L |   | 311  | 80 - 120 |  |
|          |        |           |       |        |           |      |   |      |          |  |

| Lab Sample ID: 400-210662-1 | MSD    |           |       |        |           |      |   | C    | lient Sam | ple ID: A | C-12D  |
|-----------------------------|--------|-----------|-------|--------|-----------|------|---|------|-----------|-----------|--------|
| Matrix: Water               |        |           |       |        |           |      |   |      | Prep      | Type: To  | tal/NA |
| Analysis Batch: 555020      |        |           |       |        |           |      |   |      |           |           |        |
|                             | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.     |           | RPD    |
| Analyte                     | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits    | RPD       | Limit  |
| Chloride                    | 13     |           | 100   | 131    |           | mg/L |   | 119  | 80 - 120  | 1         | 20     |
| Sulfate                     | 150    | F1        | 100   | 458    | F1        | mg/L |   | 305  | 80 - 120  | 1         | 20     |

### Method: 6010C - Metals (ICP)

| Lab Sample ID: MB 400-555398/1-A<br>Matrix: Water<br>Analysis Batch: 556211 | МВ     | мв        |       |       |        |      |       |      |     |      |            | ample ID: Metho<br>Type: Total Reco<br>Prep Batch: | overable |
|---|--------|-----------|-------|-------|--------|------|-------|------|-----|------|------------|--|----------|
| Analyte   | Result | Qualifier |       | PQL   |        | MDL  | Unit  |      | D   | P    | repared    | Analyzed   | Dil Fac  |
| Arsenic   | <0.010 |           |       | 0.010 |        |      | mg/L  |      |     | 11/1 | 0/21 18:19 | 11/16/21 15:49                                     | 1        |
|   |        |           |       |       |        |      |       |      | Cli | ent  | Sample     | ID: Lab Control                                    | Sample   |
| Matrix: Water   |        |           |       |       |        |      |       |      |     |      | Prep 1     | Type: Total Reco                                   | overable |
| Analysis Batch: 556211  |        |           |       |       |        |      |       |      |     |      |            | Prep Batch:  | 555398   |
|   |        |           | Spike |       | LCS    | LCS  |       |      |     |      |            | %Rec.  |          |
| Analyte   |        |           | Added |       | Result | Qual | ifier | Unit |     | D    | %Rec       | Limits   |          |
| Arsenic   |        |           | 1.00  |       | 1.01   |      |       | mg/L |     | _    | 101        | 80 - 120   |          |

PQL

0.050

Spike

Added

0.500

Spike

Added

2.00

MDL Unit

LCS LCS

MS MS

4.37 F1

Result Qualifier

0.514

**Result Qualifier** 

mg/L

Unit

mg/L

Unit

mg/L

D

D

D

Prepared

%Rec

%Rec

35

С

103

MB MB

<0.050

Sample Sample

3.7 F1

Result Qualifier

Result Qualifier

Lab Sample ID: MB 400-554556/1

Lab Sample ID: LCS 400-554556/2

Lab Sample ID: 400-210573-1 MS

Lab Sample ID: 400-210573-1 MSD

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Analyte

Analyte

Analyte

Analysis Batch: 554556

Analysis Batch: 554556

Analysis Batch: 554556

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Job ID: 400-210573-1

Prep Type: Total/NA

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

Analyzed

11/04/21 13:05

**Client Sample ID: Lab Control Sample** 

%Rec.

Limits

90 - 110

%Rec.

Limits

90 - 110

Dil Fac

1

9 10 11

| lient Sample ID: AC-25D |
|-------------------------|
| Prep Type: Total/NA     |
|                         |

**Client Sample ID: AC-25D** 

Prep Type: Total/NA

| Analysis Batch: 554556 |        |           |       |        |           |      |   |      |          |     |       |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
|                        | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.    |     | RPD   |
| Analyte                | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| Nitrate Nitrite as N   | 3.7    | F1        | 2.00  | 4.28   | F1        | mg/L |   | 30   | 90 _ 110 | 2   | 4     |

| Lab Sample ID: MB 400-554<br>Matrix: Water | 573/1  |           |       |     |      |   | Client Sa | ample ID: Metho<br>Prep Type: 1 |         |
|--|--------|-----------|-------|-----|------|---|-----------|---------------------------------|---------|
| Analysis Batch: 554573                     |        |           |       |     |      |   |           |                                 |         |
|  | МВ     | МВ        |       |     |      |   |           |                                 |         |
| Analyte                                    | Result | Qualifier | PQL   | MDL | Unit | D | Prepared  | Analyzed                        | Dil Fac |
| Nitrate Nitrite as N                       | <0.050 |           | 0.050 |     | mg/L |   |           | 11/04/21 14:35                  | 1       |

| Lab Sample ID: LCS 400-554573/2<br>Matrix: Water |        |           |       |        |           |      | Client | trol Sample<br>be: Total/NA |              |             |
|--|--------|-----------|-------|--------|-----------|------|--------|-----------------------------|--------------|-------------|
| Analysis Batch: 554573                           |        |           |       |        |           |      |        |                             |              |             |
|  |        |           | Spike | LCS    | LCS       |      |        |                             | %Rec.        |             |
| Analyte  |        |           | Added | Result | Qualifier | Unit | D      | %Rec                        | Limits       |             |
| Nitrate Nitrite as N                             |        |           | 0.500 | 0.513  |           | mg/L |        | 103                         | 90 - 110     |             |
| Lab Sample ID: 400-210662-1 MS                   |        |           |       |        |           |      |        | с                           | lient Sample | ID: AC-12D  |
| Matrix: Water                                    |        |           |       |        |           |      |        |                             | Prep Typ     | e: Total/NA |
| Analysis Batch: 554573                           |        |           |       |        |           |      |        |                             |              |             |
|  | Sample | Sample    | Spike | MS     | MS        |      |        |                             | %Rec.        |             |
| Analyte  | Result | Qualifier | Added | Result | Qualifier | Unit | D      | %Rec                        | Limits       |             |
| Nitrate Nitrite as N                             | 7.6    | F1        | 5.00  | 8.14   | F1        | mg/L |        | 11                          | 90 - 110     |             |

| Lab Sample ID: 400-210662-1 N | ISD    |           |       |        |           |      |   | C    | lient Sam | ple ID: A | C-12D  |
|-------------------------------|--------|-----------|-------|--------|-----------|------|---|------|-----------|-----------|--------|
| Matrix: Water                 |        |           |       |        |           |      |   |      | Prep      | Type: To  | tal/NA |
| Analysis Batch: 554573        |        |           |       |        |           |      |   |      |           |           |        |
|                               | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.     |           | RPD    |
| Analyte                       | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits    | RPD       | Limit  |
| Nitrate Nitrite as N          | 7.6    | F1        | 5.00  | 8.15   | F1        | mg/L |   | 11   | 90 - 110  | 0         | 4      |

PQL

0.050

Spike

Added

0.500

Spike

Added

0.0500

MDL Unit

LCS LCS

MRL MRL

Result Qualifier

0.497

0.0510

Result Qualifier

mg/L

Unit

mg/L

Unit

mg/L

D

D

D

Prepared

%Rec

99

MB MB

<0.050

Result Qualifier

Lab Sample ID: MB 400-555476/84

Lab Sample ID: LCS 400-555476/85

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Nitrate Nitrite as N

Analyte

Analyte

Analyte

Analysis Batch: 555476

Analysis Batch: 555476

Analysis Batch: 555476

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Prep Type: Total/NA

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

Analyzed

11/11/21 10:54

**Client Sample ID: Lab Control Sample** 

%Rec.

Limits

90 - 110

**Client Sample ID: Lab Control Sample** 

### 2 3 4 5 6 7 8

Dil Fac

1

 %Rec.

 %Rec.

 102

 50 - 150

### 9 10 11 12

### Method: SM 4500 F C - Fluoride

Lab Sample ID: MRL 400-555476/13

| Lab Sample ID: MB 400-555001/3<br>Matrix: Water<br>Analysis Batch: 555001 |        |           |       |      |        |      |       |      |     |     | Client S | ample ID: Metho<br>Prep Type: <sup>-</sup> |          |
|---|--------|-----------|-------|------|--------|------|-------|------|-----|-----|----------|--|----------|
|   | МВ     | МВ        |       |      |        |      |       |      |     |     |          |  |          |
| Analyte   | Result | Qualifier |       | PQL  |        | MDL  | Unit  |      | D   | Р   | repared  | Analyzed                                   | Dil Fac  |
| Fluoride  | <0.10  |           |       | 0.10 |        |      | mg/L  |      |     |     |          | 11/08/21 11:27                             | 1        |
| -<br>Lab Sample ID: LCS 400-555001/6                                      |        |           |       |      |        |      |       |      | Cli | ent | Sample   | ID: Lab Control                            | Sample   |
| Matrix: Water   |        |           |       |      |        |      |       |      |     |     |          | Prep Type: <sup>-</sup>                    | Total/NA |
| Analysis Batch: 555001  |        |           |       |      |        |      |       |      |     |     |          |  |          |
|   |        |           | Spike |      | LCS    | LCS  |       |      |     |     |          | %Rec.                                      |          |
| Analyte   |        |           | Added |      | Result | Qual | ifier | Unit |     | D   | %Rec     | Limits                                     |          |
| Fluoride  |        |           | 5.00  |      | 5.39   |      |       | mg/L |     | _   | 108      | 90 _ 110                                   |          |

### Method: SM 4500 NO2 B - Nitrogen, Nitrite

| Lab Sample ID: MB 400-554452/6<br>Matrix: Water<br>Analysis Batch: 554452 |        |           |       |      |        |       |       |      |      |     | Client S | ample ID: Meth<br>Prep Type: |          |
|---|--------|-----------|-------|------|--------|-------|-------|------|------|-----|----------|------------------------------|----------|
| Analysis Batch. 334432  | МВ     | МВ        |       |      |        |       |       |      |      |     |          |                              |          |
| Analyte   | Result | Qualifier |       | PQL  |        | MDL   | Unit  |      | D    | Pr  | epared   | Analyzed                     | Dil Fac  |
| Nitrite as N  | <0.10  |           |       | 0.10 |        |       | mg/L  |      |      |     |          | 11/03/21 20:57               | 1        |
| -<br>Lab Sample ID: LCS 400-554452/48                                     |        |           |       |      |        |       |       |      | Clie | ənt | Sample   | ID: Lab Contro               | I Sample |
| Matrix: Water   |        |           |       |      |        |       |       |      |      |     |          | Prep Type:                   | Total/NA |
| Analysis Batch: 554452  |        |           |       |      |        |       |       |      |      |     |          |                              |          |
|   |        |           | Spike |      | LCS    | LCS   |       |      |      |     |          | %Rec.                        |          |
| Analyte   |        |           | Added |      | Result | Quali | ifier | Unit |      | D   | %Rec     | Limits                       |          |
| Nitrite as N  |        |           | 0.300 |      | 0.294  |       |       | mg/L |      |     | 98       | 90 _ 110                     |          |

Ba Carrier

1.01E+2

Job ID: 400-210573-1

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

| Lab Sample ID: MRL 400-5 | 554452               | /3        |                 |                  |         |           |       | Clie | nt Sample                       | ID: Lab Contro  | ol Sample  |
|--------------------------|----------------------|-----------|-----------------|------------------|---------|-----------|-------|------|---------------------------------|-----------------|------------|
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      | Total/NA   |
| Analysis Batch: 554452   |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
|                          |                      |           |                 | Spike            | MRL     | MRL       |       |      |                                 | %Rec.           |            |
| Analyte                  |                      |           |                 | Added            | Result  | Qualifier | Unit  | D    | %Rec                            | Limits          |            |
| Nitrite as N             |                      |           |                 | 0.100            | 0.137   |           | mg/L  |      | 137                             | 50 - 150        |            |
| Lab Sample ID: 400-21066 | 2-1 MS               | 6         |                 |                  |         |           |       |      | c                               | lient Sample ID | : AC-12D   |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      | Total/NA   |
| Analysis Batch: 554452   |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
|                          |                      | Sample    | Sample          | Spike            | MS      | MS        |       |      |                                 | %Rec.           |            |
| Analyte                  |                      | Result    | Qualifier       | Added            | Result  | Qualifier | Unit  | D    | %Rec                            | Limits          |            |
| Nitrite as N             |                      | <0.10     |                 | 0.200            | 0.204   |           | mg/L  |      | 92                              | 80 - 118        |            |
| Lab Sample ID: 400-21066 | 2-1 MS               | SD        |                 |                  |         |           |       |      | c                               | lient Sample ID | : AC-12D   |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      | Total/NA   |
| Analysis Batch: 554452   |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
|                          |                      | Sample    | Sample          | Spike            | MSD     | MSD       |       |      |                                 | %Rec.           | RPD        |
| Analyte                  |                      | Result    | Qualifier       | Added            | Result  | Qualifier | Unit  | D    | %Rec                            | Limits RF       | PD Limit   |
| Nitrite as N             |                      | <0.10     |                 | 0.200            | 0.204   |           | mg/L  |      | 92                              | 80 - 118        | 0 9        |
| _ab Sample ID: MB 400-55 | 4628/9               | •         |                 |                  |         |           |       |      | Client S                        | ample ID: Meth  | od Blank   |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      |            |
| Analysis Batch: 554628   |                      |           |                 |                  |         |           |       |      |                                 |                 | . otali tu |
|                          |                      |           | МВ МВ           |                  |         |           |       |      |                                 |                 |            |
| Analyte                  |                      | R         | esult Qualifier |                  | PQL     | MDL Unit  |       | D    | Prepared                        | Analyzed        | Dil Fac    |
| Nitrite as N             |                      |           | <0.10           |                  | 0.10    | mg/l      |       |      |                                 | 11/04/21 13:08  | 1          |
|                          |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
| Lab Sample ID: LCS 400-5 | 54628/               | /36       |                 |                  |         |           |       | Clie | nt Sample                       | ID: Lab Contro  | I Sample   |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      | Total/NA   |
| Analysis Batch: 554628   |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
|                          |                      |           |                 | Spike            | LCS     | LCS       |       |      |                                 | %Rec.           |            |
| Analyte                  |                      |           |                 | Added            | Result  | Qualifier | Unit  | D    | %Rec                            | Limits          |            |
| Nitrite as N             |                      |           |                 | 0.300            | 0.299   |           | mg/L  |      | 100                             | 90 - 110        |            |
| Lab Sample ID: MRL 400-5 | 54628                | /6        |                 |                  |         |           |       | Clie | nt Sample                       | ID: Lab Contro  | ol Sample  |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      | Total/NA   |
| Analysis Batch: 554628   |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
|                          |                      |           |                 | Spike            | MRL     | MRL       |       |      |                                 | %Rec.           |            |
| Analyte                  |                      |           |                 | Added            | Result  | Qualifier | Unit  | D    | %Rec                            | Limits          |            |
| Nitrite as N             |                      |           |                 | 0.100            | 0.103   |           | mg/L  |      | 103                             | 50 - 150        |            |
| lethod: 903.0 - Radium   | 1-226                | (GEPC)    |                 |                  |         |           |       |      |                                 |                 |            |
| etilou. 505.0 - Madian   | 1-220                |           |                 |                  |         |           |       |      |                                 |                 |            |
| Lab Sample ID: MB 160-53 | 85218/2              | 23-A      |                 |                  |         |           |       |      | Client S                        | ample ID: Meth  |            |
| Matrix: Water            |                      |           |                 |                  |         |           |       |      |                                 | Prep Type:      |            |
| Analysis Batch: 539049   |                      |           |                 |                  |         |           |       |      |                                 | Prep Batch      | n: 535218  |
|                          |                      |           | Count           | Total            |         |           |       |      |                                 |                 |            |
|                          | MB                   | MB        | Uncert.         | Uncert.          |         |           |       |      |                                 |                 |            |
| Analyte                  | Result               | Qualifier | (2σ+/-)         | (2 <b>σ+/-</b> ) | RL      | MDC       | Unit  |      | Prepared                        | Analyzed        | Dil Fac    |
| ·                        |                      |           |                 |                  |         |           |       |      |                                 |                 |            |
| Radium-226 4.            | 799E-2               | U         | 9.95E-2         | 9.96E-2          | 1.00E+0 | 1.77E-1   | pCi/L | 11   | /05/21 10:57                    | 11/29/21 09:18  | 1          |
| Radium-226 4.            | .799E-2<br><i>MB</i> | U<br>MB   | 9.95E-2         | 9.96E-2          | 1.00E+0 | 1.77E-1   | pCi/L | 11   | /05/21 10:57                    | 11/29/21 09:18  | 1          |
|                          | МВ                   |           | 9.95E-2         | 9.96E-2          | 1.00E+0 | 1.77E-1   | pCi/L | 11   | /05/21 10:57<br><b>Prepared</b> | 11/29/21 09:18  | Dil Fac    |

Eurofins TestAmerica, Pensacola

11/05/21 10:57 11/29/21 09:18

40 - 110

Job ID: 400-210573-1

Method: 903.0 - Radium-226 (GFPC) (Continued)

| Lab Sample ID:  | LCS 160   | )-535218/   | /1- <b>A</b>   |   |                               |   |         |                         | Clien  | t Sample I  | D: Lab Co  | ntrol S   | ample  |
|---|---|---|--|---|-------------------------------|---|---------|-------------------------|--|---|--|---|--|
| Matrix: Water   |   |   |  |   |                               |   |         |                         |  |   | Prep Ty  |   |  |
| Analysis Batch:   | 539046  |   |  |   |                               |   |         |                         |  |   | Prep B   |   |  |
|   |   |   |  |   |                               | Total   |         |                         |  |   |  |   |  |
|   |   |   | Spike  | LCS   | LCS                           | Uncert.   |         |                         |  |   | %Rec.  |   |  |
| Analyte   |   |   | Added  | Result  | Qual                          | (2 <b>σ</b> +/-)                                      | RL      | MDC                     | Unit   | %Rec  | Limits   |   |  |
| Radium-226  |   |   | 1.51E+1  | 1.327E+1  |                               | 1.43E+0   | 1.00E+0 | 2.06E-1                 | pCi/L  | 88  | 75 _ 125   |   |  |
|   | LCS   | LCS   |  |   |                               |   |         |                         |  |   |  |   |  |
| Carrier   |   | Qualifier   | Limits   |   |                               |   |         |                         |  |   |  |   |  |
| Ba Carrier  | 8.95E+1   |   | 40 - 110   | -   |                               |   |         |                         |  |   |  |   |  |
|   |   |   |  |   |                               |   |         |                         |  |   |  |   |  |
| Lab Sample ID:  | LCSD 10   | 60-53521  | 8/2-A  |   |                               |   |         | Cli                     | ent Sar  | nple ID: La   |  | -   |  |
| Matrix: Water   |   |   |  |   |                               |   |         |                         |  |   | Prep Ty  |   |  |
| Analysis Batch:   | 539046  |   |  |   |                               | Total   |         |                         |  |   | Prep B   | atch: 5   | 35218  |
|   |   |   | Spike  |   | LCSD                          | Uncert.   |         |                         |  |   | %Rec.  |   | DER  |
| Analyte   |   |   | Added  | Result  |                               | (2σ+/-)   | RL      | MDC                     | Unit   | %Rec  | Limits   | DER   | Limit  |
| Radium-226  |   |   |  | 1.319E+1  |                               | 1.41E+0   | 1.00E+0 | 2.05E-1                 |  |   | 75 - 125   | 8.12  | 3  |
|   |   |   |  |   |                               |   |         |                         | P  |   |  | E-2   |  |
|   | LCSD  | 1050  |  |   |                               |   |         |                         |  |   |  |   |  |
| Carrier   |   | Qualifier   | Limits   |   |                               |   |         |                         |  |   |  |   |  |
| Ba Carrier  | 9.83E+1   | Quanner   | 40 - 110   | -   |                               |   |         |                         |  |   |  |   |  |
| _   |   |   |  |   |                               |   |         |                         |  |   |  |   |  |
| Lab Sample ID:  | MB 160-   | 535638/2  | 23-A   |   |                               |   |         |                         |  | <b>Client Sa</b>  | mple ID: N   | lethod  | Blank  |
| Matrix: Water   |   |   |  |   |                               |   |         |                         |  |   | Prep T   | /pe: To   | tal/NA   |
|   |   |   |  |   |                               |   |         |                         |  |   |  |   |  |
| Analysis Batch:   | 539993  |   |  |   |                               |   |         |                         |  |   | Prep B   |   |  |
| Analysis Batch:   | 539993  |   |  | Count   | Total                         |   |         |                         |  |   |  |   |  |
| -   | 539993  | МВ  | МВ   | Uncert.   | Uncert.                       |   |         |                         |  |   | Prep B   | atch: 5   | 35638  |
| Analyte   | 539993  | Result  | MB<br>Qualifier  | Uncert.<br>(2σ+/-)  | Uncert.<br>(2σ+/-)            | RL  | MDC     |                         |  | Prepared  | Prep B<br>Analyze  | atch: 5   | 35638<br>Dil Fac   |
| -   | 539993  |   |  | Uncert.   | Uncert.                       | RL<br>1.00E+0   |         |                         |  | Prepared<br>09/21 10:24                                   | Prep B   | atch: 5   | 35638<br>Dil Fac   |
| Analyte   | 539993  | Result  |  | Uncert.<br>(2σ+/-)  | Uncert.<br>(2σ+/-)            |   |         |                         |  |   | Prep B<br>Analyze  | atch: 5   | 35638<br>Dil Fac   |
| Analyte   | 539993  | <b>Result</b><br>1.309E+0   | Qualifier  | Uncert.<br>(2σ+/-)  | Uncert.<br>(2σ+/-)            |   |         |                         | 11/0   |   | Prep B<br>Analyze  | atch: 5   |  |
| Analyte<br>Radium-226   | : 539993<br>  | Result<br>1.309E+0<br><i>MB</i>   | Qualifier  | Uncert.<br>(2σ+/-)<br>2.44E-1   | Uncert.<br>(2σ+/-)            |   |         |                         | 11/0   | 09/21 10:24   | Prep B<br>Analyze<br>12/02/21 2  | atch: 5   | <b>Dil Fac</b>   |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier  |   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier  | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i>  | Uncert.<br>(2σ+/-)            |   |         |                         |  | 09/21 10:24 Prepared 09/21 10:24                          | Analyze           12/02/21 2           Analyze           12/02/21 2  | atch: 5<br>d<br>0:41 -<br>ed<br>0:41 -                  | Dil Fac<br>1<br>Dil Fac<br>1<br>Dil Fac                                |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:  |   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier  | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i>  | Uncert.<br>(2σ+/-)            |   |         |                         |  | 09/21 10:24 Prepared                                      | Prep B<br><u>Analyze</u><br>12/02/21 2<br><u>Analyze</u><br>12/02/21 2<br>D: Lab Co  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S            | Dil Fac  |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier  | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i>  | Uncert.<br>(2σ+/-)            |   |         |                         |  | 09/21 10:24 Prepared 09/21 10:24                          | Analyze           12/02/21 2           Analyze           12/02/21 2           D: Lab Co           Prep Ty  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br><i>Dil Fac</i><br>1<br>ample<br>tal/NA |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:  | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier  | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i>  | Uncert.<br>(2σ+/-)            | 1.00E+0   |         |                         |  | 09/21 10:24 Prepared 09/21 10:24                          | Prep B<br><u>Analyze</u><br>12/02/21 2<br><u>Analyze</u><br>12/02/21 2<br>D: Lab Co  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br><i>Dil Fac</i><br>1<br>ample<br>tal/NA |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier<br>MB<br>Qualifier<br>/1-A   | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110                              | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0   |         |                         |  | 09/21 10:24 Prepared 09/21 10:24                          | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B   | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br><i>Dil Fac</i><br>1<br>ample<br>tal/NA |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:  | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier<br>MB<br>Qualifier<br>(1-A<br>Spike  | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110                              | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.                           | 1.82E-1 | pCi/L                   | 11//<br>11//<br>11//<br>Clien                        | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I     | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA                        |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1  | Qualifier<br>MB<br>Qualifier<br>/1-A   | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110                              | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0   |         | pCi/L                   | 11/0<br>11/0<br>11/0<br>Clien<br>Unit                | 09/21 10:24 Prepared 09/21 10:24                          | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B   | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA                        |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/                                 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added   | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC            | 11/0<br>11/0<br>11/0<br>Clien<br>Unit                | 09/21 10:24 Prepared 09/21 10:24 t Sample I               | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA                        |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/                                 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1                                | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC            | 11/0<br>11/0<br>11/0<br>Clien<br>Unit                | 09/21 10:24 Prepared 09/21 10:24 t Sample I               | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA                        |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier  | LCS 160<br>539784<br>LCS<br>%Yield                              | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/                                 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits                      | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC            | 11/0<br>11/0<br>11/0<br>Clien<br>Unit                | 09/21 10:24 Prepared 09/21 10:24 t Sample I               | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br><i>Dil Fac</i><br>1<br>ample<br>tal/NA |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226   | LCS 160   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/                                 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1                                | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC            | 11/0<br>11/0<br>11/0<br>Clien<br>Unit                | 09/21 10:24 Prepared 09/21 10:24 t Sample I               | Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits  | atch: 5<br>ad<br>0:41 -<br>0:41 -<br>ntrol S<br>/pe: To | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA                        |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier<br>Ba Carrier                                    | LCS 160<br>539784<br>LCS<br>%Yield<br>1.07E+2                   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier             | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110          | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24 Prepared 09/21 10:24 t Sample I               | Prep B<br><u>Analyze</u><br>12/02/21 2<br><u>Analyze</u><br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br><u>Limits</u><br>75 - 125               | atch: 5<br>atch: 5<br>atch: 5<br>atch: 5                | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>335638              |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier  | LCS 160<br>539784<br>LCS<br>%Yield<br>1.07E+2                   | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier             | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110          | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I<br> | Prep B<br><u>Analyze</u><br>12/02/21 2<br><u>Analyze</u><br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br><u>Limits</u><br>75 - 125               | atch: 5<br>atch: 5<br>atch: 5<br>atch: 5<br>Sampl       | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>335638              |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Ba Carrier                      | LCS 160<br>539784<br><i>LCS</i><br>%Yield<br>1.07E+2<br>LCSD 10 | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier<br>60-53563 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110          | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I<br> | Prep B<br>Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>75 - 125                                    | atch: 5<br>ad<br>0:41                                   | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>35638               |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water | LCS 160<br>539784<br><i>LCS</i><br>%Yield<br>1.07E+2<br>LCSD 10 | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier<br>60-53563 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110          | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result             | Uncert.<br>(2σ+/-)<br>2.71E-1 | 1.00E+0<br>Total<br>Uncert.<br>(2σ+/-)                | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I<br> | Prep B<br>Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>75 - 125                                    | atch: 5<br>ad<br>0:41                                   | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>35638               |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water | LCS 160<br>539784<br><i>LCS</i><br>%Yield<br>1.07E+2<br>LCSD 10 | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier<br>60-53563 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110          | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result<br>1.259E+1 | Uncert.<br>(2σ+/-)<br>2.71E-1 | Total         Uncert.         (2σ+/-)         1.33E+0 | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I<br> | Prep B<br>Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>75 - 125                                    | atch: 5<br>ad<br>0:41                                   | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>35638               |
| Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch:<br>Analyte<br>Radium-226<br>Carrier<br>Ba Carrier<br>Lab Sample ID:<br>Matrix: Water | LCS 160<br>539784<br><i>LCS</i><br>%Yield<br>1.07E+2<br>LCSD 10 | Result<br>1.309E+0<br><i>MB</i><br>%Yield<br>9.77E+1<br>0-535638/<br>LCS<br>Qualifier<br>60-53563 | Qualifier<br>MB<br>Qualifier<br>/1-A<br>Spike<br>Added<br>1.51E+1<br>Limits<br>40 - 110<br>8/2-A | Uncert.<br>(2σ+/-)<br>2.44E-1<br><i>Limits</i><br>40 - 110<br>LCS<br>Result<br>1.259E+1 | Uncert.<br>(2σ+/-)<br>2.71E-1 | Total         Uncert.         (2σ+/-)         1.33E+0 | 1.82E-1 | pCi/L<br>MDC<br>1.73E-1 | 11/0<br>11/0<br><b>Clien</b><br><u>Unit</u><br>pCi/L | 09/21 10:24<br>Prepared<br>09/21 10:24<br>It Sample I<br> | Prep B<br>Analyze<br>12/02/21 2<br>Analyze<br>12/02/21 2<br>D: Lab Co<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>75 - 125<br>Ab Control<br>Prep Ty<br>Prep B | atch: 5<br>ad<br>0:41                                   | Dil Fac<br>1<br>Dil Fac<br>1<br>ample<br>tal/NA<br>35638               |

Eurofins TestAmerica, Pensacola

E-2

Carrier

Ba Carrier

Method: 903.0 - Radium-226 (GFPC) (Continued)

Limits

40 - 110

LCSD LCSD %Yield Qualifier

9.97E+1

Job ID: 400-210573-1

|  | D: MB 160-   | 538437/2   | 23-A  |                                     |                  |  |                      |                |               | Client Sa                | mple ID: M   |   |  |
|--|--|--|---|-------------------------------------|------------------|--|----------------------|----------------|---------------|--------------------------|--|---|--|
| Matrix: Water  |  |  |   |                                     |                  |  |                      |                |               |                          | Prep Ty  |   |  |
| Analysis Bate  | ch: 542558   |  |   | Count                               | Total            |  |                      |                |               |                          | Prep B   | atch: 5   | 538437   |
|  |  | МВ   | MD  | Count<br>Uncert.                    | Total<br>Uncert. |  |                      |                |               |                          |  |   |  |
| Analyte  |  |  | Qualifier   | (2σ+/-)                             | (2σ+/-)          | RL   | MDC                  | Unit           |               | Prepared                 | Analyze  | Ч   | Dil Fac  |
| Radium-226   |  | 6.878E-2   |   | 5.66E-2                             | 5.70E-2          | 1.00E+0  | 8.01E-2              |                |               | /24/21 09:32             | 12/17/21 12  |   | 1  |
|  |  | 0.0702 2   | 0   | 0.002 2                             | 0.702 2          | 1.002.0  | 0.012 2              | powe           |               | /L //L / 00.0L           | ,,   |   |  |
|  |  | MB   | МВ  |                                     |                  |  |                      |                |               |                          |  |   |  |
| Carrier  |  | %Yield   | Qualifier   | Limits                              |                  |  |                      |                |               | Prepared                 | Analyze  |   | Dil Fac  |
| Ba Carrier   |  | 8.66E+1  |   | 40 - 110                            |                  |  |                      |                | 11            | /24/21 09:32             | 12/17/21 1   | 2:11  | 1  |
| -<br>Lab Sample II   | D. I CS 160  | -538437  | 1_ <b>Δ</b>   |                                     |                  |  |                      |                | Clie          | nt Sample I              | D: Lah Co  | ntrol S   | amnlo  |
| Matrix: Water  |  | -0004017   |   |                                     |                  |  |                      |                | one           |                          | Prep Ty  |   |  |
| Analysis Bato  |  |  |   |                                     |                  |  |                      |                |               |                          | Prep B   |   |  |
|  |  |  |   |                                     |                  | Total  |                      |                |               |                          |  |   |  |
|  |  |  | Spike   | LCS                                 | LCS              | Uncert.  |                      |                |               |                          | %Rec.  |   |  |
| Analyte  |  |  | Added   | Result                              | Qual             | (2 <b>σ+/-</b> )   | RL                   | MDC            | Unit          | %Rec                     | Limits   |   |  |
| Radium-226   |  |  | 1.13E+1   | 1.061E+1                            |                  | 1.10E+0  | 1.00E+0              | 1.02E-1        | pCi/L         | 94                       | 75 <sub>-</sub> 125  |   |  |
|  | LCS  | 105  |   |                                     |                  |  |                      |                |               |                          |  |   |  |
|  |  |  | Limits  |                                     |                  |  |                      |                |               |                          |  |   |  |
| Carrier  | %Yield   |  |   |                                     |                  |  |                      |                |               |                          |  |   |  |
| Carrier<br>Ba Carrier<br>Lab Sample II   |  |  | 40 - 110  | -                                   |                  |  |                      |                |               | Cli                      | ent Sample   |   |  |
| Ba Carrier   | 8.96E+1<br>D: 400-210  |  | 40 - 110  | -                                   |                  | Total  |                      |                |               | Cli                      | ent Sample<br>Prep Ty<br>Prep Ba   | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water   | 8.96E+1<br>D: 400-210<br>ch: 542558  | 662-1 MS   | 40 - 110  | MS                                  | MS               | Total<br>Uncert  |                      |                |               | Cli                      | Prep Ty<br>Prep B  | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato  | 8.96E+1<br>D: 400-210<br>ch: 542558<br>Sample  | 662-1 MS<br>e Sample   | 40 - 110  |                                     | MS<br>Qual       | Uncert.  | RL                   | MDC            | Unit          |                          | Prep Ty  | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water   | 8.96E+1<br>D: 400-210<br>ch: 542558<br>Sample  | 662-1 MS<br>e Sample<br>t Qual   | 40 - 110  | MS<br>                              |                  |  | <b>RL</b><br>1.00E+0 | MDC<br>9.80E-2 | -             | Cli<br><u>%Rec</u>       | Prep Ty<br>Prep Ba<br>%Rec.  | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato  | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br><u>Resul</u><br>1.53E+0  | 662-1 MS<br>e Sample<br>t Qual   | 40 - 110<br>Spike<br>Added  | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec                     | Prep Ty<br>Prep B<br>%Rec.<br>Limits   | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-226   | 8.96E+1<br>D: 400-210<br>ch: 542558<br>Sample<br>Resul<br>1.53E+(<br>MS  | 662-1 MS<br>e Sample<br>t Qual   | 40 - 110<br>Spike<br>Added<br>1.13E+1   | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec                     | Prep Ty<br>Prep B<br>%Rec.<br>Limits   | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-226<br>Carrier  | 8.96E+1<br>D: 400-2100<br>Ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield   | 662-1 MS<br>e Sample<br>t Qual   | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits                                     | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec                     | Prep Ty<br>Prep B<br>%Rec.<br>Limits   | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-226   | 8.96E+1<br>D: 400-210<br>ch: 542558<br>Sample<br>Resul<br>1.53E+(<br>MS  | 662-1 MS<br>e Sample<br>t Qual   | 40 - 110<br>Spike<br>Added<br>1.13E+1   | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec                     | Prep Ty<br>Prep B<br>%Rec.<br>Limits   | pe: To  | tal/NA   |
| Ba Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-226<br>Carrier  | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1  | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier  | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110                         | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec<br>93               | Prep Ty<br>Prep B<br>%Rec.<br>Limits   | rpe: To<br>atch: 5                                | otal/NA<br>538437  |
| Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analyte Radium-226 Carrier Ba Carrier   | 8.96E+1<br>D: 400-2100<br>Ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-210  | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier  | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110                         | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec<br>93               | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140   | rpe: To<br>atch: 5                                | .C-12D   |
| Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analyte Radium-226 Carrier Ba Carrier Lab Sample II   | 8.96E+1<br>D: 400-2100<br>Ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100   | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier  | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110                         | Result                              |                  | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec<br>93               | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140   | e ID: A   | C-12D otal/NA  |
| Ba Carrier Lab Sample II Matrix: Water Analysis Bato Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water                                     | 8.96E+1<br>D: 400-2100<br>Ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100   | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier  | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110                         | Result<br>1.205E+1                  | Qual             | Uncert.<br>(2σ+/-)   |                      |                | -             | %Rec<br>93               | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty                              | e ID: A   | C-12D<br>btal/NA<br>538437   |
| Ba Carrier Lab Sample II Matrix: Water Analysis Bato Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water Analysis Bato                       | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100<br>ch: 542558<br>Sample   | 662-1 MS<br>e Sample<br>t Qual<br>0<br><i>MS</i><br><i>Qualifier</i><br>662-1 MS<br>e Sample           | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110<br>SD<br>Spike          | Result<br>1.205E+1                  | Qual             | Uncert.<br>(2σ+/-)<br>1.23E+0<br>Total<br>Uncert.            | 1.00E+0              | 9.80E-2        | pCi/L         | <u>%Rec</u><br>93<br>Cli | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty<br>Prep B<br>%Rec.           | e ID: A<br>pe: To<br>atch: 5                      | C-12D<br>otal/NA<br>538437<br>DER  |
| Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analysis Batc Analyte | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul  | 662-1 MS<br>e Sample<br>t Qual<br>0<br><i>MS</i><br><i>Qualifier</i><br>662-1 MS<br>e Sample<br>t Qual | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110<br>SD<br>Spike<br>Added | Result<br>1.205E+1<br>MSD<br>Result | Qual             | Uncert.<br>(2σ+/-)<br>1.23E+0<br>Total<br>Uncert.<br>(2σ+/-) | 1.00E+0<br>RL        | 9.80E-2        | pCi/L<br>Unit | %Rec<br>93<br>Cli        | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits | e ID: A<br>pe: To<br>atch: 5<br>Pe: To<br>atch: 5 | C-12D<br>otal/NA<br>538437<br>C-12D<br>otal/NA<br>538437<br>DER<br>Limit |
| Ba Carrier Lab Sample II Matrix: Water Analysis Bato Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water Analysis Bato                       | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100<br>ch: 542558<br>Sample   | 662-1 MS<br>e Sample<br>t Qual<br>0<br><i>MS</i><br><i>Qualifier</i><br>662-1 MS<br>e Sample<br>t Qual | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110<br>SD<br>Spike          | Result<br>1.205E+1                  | Qual             | Uncert.<br>(2σ+/-)<br>1.23E+0<br>Total<br>Uncert.            | 1.00E+0              | 9.80E-2        | pCi/L<br>Unit | <u>%Rec</u><br>93<br>Cli | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty<br>Prep B<br>%Rec.           | e ID: A<br>pe: To<br>atch: 5                      | C-12D<br>otal/NA<br>538437<br>DER  |
| Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analysis Batc Analyte | 8.96E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul<br>1.53E+0<br>MS<br>%Yield<br>8.91E+1<br>D: 400-2100<br>ch: 542558<br>Sample<br>Resul  | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier<br>662-1 MS<br>e Sample<br>t Qual                    | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110<br>SD<br>Spike<br>Added | Result<br>1.205E+1<br>MSD<br>Result | Qual             | Uncert.<br>(2σ+/-)<br>1.23E+0<br>Total<br>Uncert.<br>(2σ+/-) | 1.00E+0<br>RL        | 9.80E-2        | pCi/L<br>Unit | %Rec<br>93<br>Cli        | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits | e ID: A<br>pe: To<br>atch: 5<br>Pe: To<br>atch: 5 | C-12D<br>otal/NA<br>538437<br>C-12D<br>otal/NA<br>538437<br>DER<br>Limit |
| Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analyte Radium-226 Carrier Ba Carrier Lab Sample II Matrix: Water Analysis Batc Analysis Batc Analyte | 8.96E+1         D: 400-210         ch: 542558         Sample         -         Result         1.53E+0         MS         %Yield         8.91E+1         D: 400-2100         ch: 542558         Sample         Ch: 542558         Sample         Image: Sample         Result         1.53E+0         MSD | 662-1 MS<br>e Sample<br>t Qual<br>MS<br>Qualifier<br>662-1 MS<br>e Sample<br>t Qual                    | 40 - 110<br>Spike<br>Added<br>1.13E+1<br>Limits<br>40 - 110<br>SD<br>Spike<br>Added | Result<br>1.205E+1<br>MSD<br>Result | Qual             | Uncert.<br>(2σ+/-)<br>1.23E+0<br>Total<br>Uncert.<br>(2σ+/-) | 1.00E+0<br>RL        | 9.80E-2        | pCi/L<br>Unit | %Rec<br>93<br>Cli        | Prep Ty<br>Prep B<br>%Rec.<br>Limits<br>60 - 140<br>ent Sample<br>Prep Ty<br>Prep B<br>%Rec.<br>Limits | e ID: A<br>pe: To<br>atch: 5<br>Pe: To<br>atch: 5 | C-12D<br>otal/NA<br>538437<br>C-12D<br>otal/NA<br>538437<br>DER<br>Limit |

### Method: 904.0 - Radium-228 (GFPC)

| Lab Sample II<br>Matrix: Water  |   | -535642/2  | 23-A   |  |                                     |                               |                      |                |               | Client Sa                                    | mple ID: M<br>Prep Ty   | pe: To  | tal/N/   |
|---|---|--|--|--|-------------------------------------|-------------------------------|----------------------|----------------|---------------|--|---|---|--|
| Analysis Batc   | ch: 538450                              |  | мв   | Count<br>Uncert.                       | Total<br>Uncert.                    |                               |                      |                |               |  | Prep Ba   |   |  |
| Analyte   |   |  | Qualifier  | (2σ+/-)                                | (2σ+/-)                             | RL                            |                      | Unit           |               | Prepared                                     | Analyzed  |   | Dil Fa   |
| Radium-228  |   | 6.999E-1   |  | 3.47E-1                                | 3.53E-1                             | 1.00E+0                       | 5.09E-1              | pCi/L          | 11            | /09/21 11:17                                 | 11/24/21 13   | :18   |  |
| Carrier   |   | MB<br>%Yield   | MB<br>Qualifier  | Limits                                 |                                     |                               |                      |                |               | Prepared                                     | Analyzed  |   | Dil Fa   |
| Ba Carrier  |   | 9.77E+1  |  | 40 - 110                               |                                     |                               |                      |                |               | 1/09/21 11:17                                | 11/24/21 13   |   | 01110  |
| Y Carrier   |   | 8.75E+1  |  | 40 - 110                               |                                     |                               |                      |                |               | 1/09/21 11:17                                | 11/24/21 13   |   |  |
| Lab Sample II<br>Matrix: Water<br>Analysis Bato   |   | )-535642/  | /1- <b>A</b>   |  |                                     |                               |                      |                | Clie          | nt Sample I                                  | D: Lab Con<br>Prep Ty<br>Prep Ba  | pe: To  | tal/N  |
| Analysis Date   |   |  |  |  |                                     | Total                         |                      |                |               |  | Перве   |   | 000-   |
|   |   |  | Spike  | LCS                                    | LCS                                 | Uncert.                       |                      |                |               |  | %Rec.   |   |  |
| Analyte   |   |  | Added  | Result                                 | Qual                                | (2σ+/-)                       | RL                   | MDC            | Unit          | %Rec   | Limits  |   |  |
| Radium-228  |   |  | 1.22E+1  | 8.813E+0                               |                                     | 1.13E+0                       | 1.00E+0              | 5.61E-1        | pCi/L         | 72   | 75 - 125  |   |  |
|   |   | LCS  |  |  |                                     |                               |                      |                |               |  |   |   |  |
| Carrier   | %Yield                                  | Qualifier  | Limits   | -                                      |                                     |                               |                      |                |               |  |   |   |  |
|   | 4.075.0                                 |  |  |  |                                     |                               |                      |                |               |  |   |   |  |
| Y Carrier<br>Lab Sample II<br>Matrix: Water   |   | 60-53564   | 40 - 110<br>40 - 110<br><b>2/2-A</b>   |  |                                     |                               |                      | Cli            | ent Sa        | Imple ID: La                                 | Prep Ty   | pe: To  | tal/N  |
| Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bate  | 7.89E+1<br>D: LCSD 10                   | 60-53564   | 40 <sub>-</sub> 110<br><b>2/2-A</b>  | LCSD                                   | LCSD                                | Total<br>Uncert.              |                      | Cli            | ent Sa        | Imple ID: La                                 | Prep Ty<br>Prep Ba  | pe: To  | tal/N<br>3564  |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato  | 7.89E+1<br>D: LCSD 10                   | 60-53564   | 40 - 110   | LCSD<br>Result                         | LCSD<br>Qual                        | Uncert.                       | RL                   | Cli            |               | -  | Prep Ty   | pe: To  | tal/N<br>3564<br>DE  |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte   | 7.89E+1<br>D: LCSD 10                   | 60-53564   | 40 - 110<br>2/2-A<br>Spike   |  |                                     |                               | <b>RL</b><br>1.00E+0 |                | Unit          | mple ID: La<br>                              | Prep Ty<br>Prep Ba<br>%Rec.   | pe: To<br>atch: 5   | tal/N<br>3564<br>DE  |
| Y Carrier<br>Lab Sample II<br>Matrix: Water   | 7.89E+1<br>D: LCSD 16<br>ch: 538449     | 60-53564<br>   | 40 - 110<br>2/2-A<br>Spike<br>Added  | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec   | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits   | <b>DER</b><br>5.07  | tal/N<br>3564<br>DE  |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte   | 7.89E+1<br>D: LCSD 16<br>ch: 538449<br> |  | 40 - 110<br>2/2-A<br>Spike<br>Added  | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec   | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits   | <b>DER</b><br>5.07  | tal/N<br>3564<br>DE<br>Lim                                       |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228   | 7.89E+1<br>D: LCSD 16<br>ch: 538449<br> | LCSD   | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1   | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec   | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits   | <b>DER</b><br>5.07  | tal/N<br>3564<br>DE<br>Lim                                       |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228<br>Carrier  | 7.89E+1<br>D: LCSD 16<br>               | LCSD   | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits   | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec   | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits   | <b>DER</b><br>5.07  | tal/N<br>3564<br>DE<br>Lim                                       |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II  | 7.89E+1<br>D: LCSD 10                   | LCSD<br>Qualifier  | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110                                       | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec69                                       | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | DER<br>5.07<br>E-1  | tal/N<br>3564<br>DE<br>Lim                                       |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Batc<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water   | 7.89E+1<br>D: LCSD 10<br>ch: 538449<br> | LCSD<br>Qualifier  | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110                                       | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec69                                       | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | DER<br>5.07<br>E-1<br>ethod<br>pe: To   | tal/N<br>3564<br>DE<br>Lin<br>Blan<br>tal/N                      |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Batc<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water   | 7.89E+1<br>D: LCSD 10<br>ch: 538449<br> | LCSD<br>Qualifier  | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110                                       | Result                                 |                                     | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec69                                       | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | DER<br>5.07<br>E-1<br>ethod<br>pe: To   | tal/N<br>3564<br>DE<br>Lin<br>Blan<br>tal/N                      |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Batc<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water   | 7.89E+1<br>D: LCSD 10<br>ch: 538449<br> | LCSD<br>Qualifier<br>538441/2                                    | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110                                       | Result<br>8.414E+0                     | Qual                                | Uncert.<br>(2σ+/-)            |                      | MDC            | Unit          | %Rec69                                       | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | DER<br>5.07<br>E-1<br>ethod<br>pe: To   | tal/N<br>3564<br>DE<br>Lim<br>Blan<br>tal/N                      |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato                          | 7.89E+1<br>D: LCSD 10<br>ch: 538449<br> | LCSD<br>Qualifier<br>538441/2<br>MB                              | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110<br>23-A                               | Count                                  | Qual                                | Uncert.<br>(2σ+/-)            | 1.00E+0              | MDC            | Unit          | %Rec69                                       | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | pe: To<br>atch: 5<br>5.07<br>E-1<br>ethod<br>pe: To<br>atch: 5  | tal/N<br>3564<br>DE<br>Lim<br>Blan<br>tal/N<br>3844              |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Batc<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier   | 7.89E+1<br>D: LCSD 16<br>ch: 538449<br> | LCSD<br>Qualifier<br>538441/2<br>MB                              | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110<br>23-A<br>MB<br>Qualifier            | Count<br>Uncert.                       | Qual<br>Total<br>Uncert.            | Uncert.<br>(2σ+/-)<br>1.10E+0 | 1.00E+0              | MDC<br>5.12E-1 | Unit<br>pCi/L | 69<br>69                                     | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125   | ethod<br>pe: To<br><u>DER</u><br>5.07<br>E-1<br>ethod<br>pe: To<br>ttch: 5                                  | tal/N<br>3564<br>DE<br>Lim<br>Blan<br>tal/N<br>3844              |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228 | 7.89E+1<br>D: LCSD 16<br>ch: 538449<br> | LCSD<br>Qualifier<br>538441/2<br>MB<br>Result<br>-4.977E-3<br>MB | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110<br>23-A<br>MB<br>Qualifier<br>U<br>MB | Count<br>Uncert.<br>(20+/-)<br>2.44E-1 | Qual<br>Total<br>Uncert.<br>(2σ+/-) | Uncert.<br>(20+/-)<br>1.10E+0 | 1.00E+0              | MDC<br>5.12E-1 | Unit<br>pCi/L | 69<br>Client Sat<br>Prepared<br>/24/21 10:09 | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125<br>mple ID: Ma<br>Prep Ty<br>Prep Ba<br>Analyzec<br>12/02/21 12 | pe: To<br>atch: 5<br>5.07<br>E-1<br>ethod<br>pe: To<br>atch: 5  | tal/NJ<br>3564<br>DEI<br>Lim<br>Blan<br>tal/NJ<br>3844<br>Dil Fa |
| Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample II<br>Matrix: Water<br>Analysis Bato<br>Analyte               | 7.89E+1<br>D: LCSD 16<br>ch: 538449<br> | LCSD<br>Qualifier<br>538441/2<br>MB<br>Result<br>-4.977E-3       | 40 - 110<br>2/2-A<br>Spike<br>Added<br>1.22E+1<br>Limits<br>40 - 110<br>40 - 110<br>23-A<br>MB<br>Qualifier<br>U<br>MB | Count<br>Uncert.<br>(2σ+/-)            | Qual<br>Total<br>Uncert.<br>(2σ+/-) | Uncert.<br>(20+/-)<br>1.10E+0 | 1.00E+0              | MDC<br>5.12E-1 | Unit<br>pCi/L | %Rec<br>69<br>Client Sat                     | Prep Ty<br>Prep Ba<br>%Rec.<br>Limits<br>75 - 125<br>mple ID: Ma<br>Prep Ty<br>Prep Ba<br>Analyzec                | DER           5.07           E-1           ethod           pe: To           it           5.07           E-1 | tal/N,<br>3564<br>DE<br>Lim<br>Blan<br>tal/N,<br>3844<br>Dil Fa  |

Job ID: 400-210573-1

### Method: 904.0 - Radium-228 (GFPC) (Continued)

| Lab Sample ID:  | : LCS 160-   | -538441/   | 1-A   |  |                                     |                                     |                      |                | Clie          | ent Sample I   |  |                             |   |
|---|--|--|---|--|-------------------------------------|-------------------------------------|----------------------|----------------|---------------|--|--|-----------------------------|---|
| Matrix: Water   |  |  |   |  |                                     |                                     |                      |                |               |  | Prep Typ   | be: To                      | al/NA   |
| <b>Analysis Batch</b>   | h: <b>539994</b>   |  |   |  |                                     |                                     |                      |                |               |  | Prep Ba  | tch: 5                      | 38441   |
|   |  |  |   |  |                                     | Total                               |                      |                |               |  |  |                             |   |
|   |  |  | Spike   | LCS                                    | LCS                                 | Uncert.                             |                      |                |               |  | %Rec.  |                             |   |
| Analyte   |  |  | Added   | Result                                 | Qual                                | (2 <b>σ</b> +/-)                    | RL                   | MDC            | Unit          | %Rec   | Limits   |                             |   |
| Radium-228  |  |  | 9.09E+0   | 7.682E+0                               |                                     | 9.71E-1                             | 1.00E+0              | 4.53E-1        | pCi/L         | 84   | 75 - 125   |                             |   |
|   | LCS  | LCS  |   |  |                                     |                                     |                      |                |               |  |  |                             |   |
| Carrier   | %Yield   | Qualifier  | Limits  | -                                      |                                     |                                     |                      |                |               |  |  |                             |   |
| Ba Carrier  | 8.96E+1  |  | 40 - 110  |  |                                     |                                     |                      |                |               |  |  |                             |   |
| Y Carrier   | 8.11E+1  |  | 40 - 110  |  |                                     |                                     |                      |                |               |  |  |                             |   |
| Lab Sample ID:  | : 400-2106   | 62-1 MS  | 1   |  |                                     |                                     |                      |                |               | Clie   | ent Sample   | ID: A                       | C-12D   |
| Matrix: Water   |  |  |   |  |                                     |                                     |                      |                |               |  | Prep Typ   | be: To                      | al/NA   |
| Analysis Batch  | h: <b>539994</b>   |  |   |  |                                     |                                     |                      |                |               |  | Prep Ba  | tch: 5                      | 38441   |
|   |  |  |   |  |                                     | Total                               |                      |                |               |  |  |                             |   |
|   | Sample   | Sample   | Spike   |  | MS                                  | Uncert.                             |                      |                |               |  | %Rec.  |                             |   |
| Analyte   | Result   |  | Added   | Result                                 | Qual                                | (2σ+/-)                             | RL                   | MDC            | Unit          | %Rec   | Limits   |                             |   |
| Radium-228  | 4.67E+0  |  | 9.09E+0   | 1.309E+1                               |                                     | 1.46E+0                             | 1.00E+0              | 3.79E-1        | pCi/L         | 93   | 60 - 140   |                             |   |
|   | MS   | MS   |   |  |                                     |                                     |                      |                |               |  |  |                             |   |
| <b>O</b>  | % Viold  | Qualifier  | Limits  | _                                      |                                     |                                     |                      |                |               |  |  |                             |   |
| Carrier   |  |  |   |  |                                     |                                     |                      |                |               |  |  |                             |   |
| Ba Carrier  | 8.91E+1  |  | 40 - 110  |  |                                     |                                     |                      |                |               |  |  |                             |   |
|   |  |  | 40 <sub>-</sub> 110<br>40 <sub>-</sub> 110  |  |                                     |                                     |                      |                |               |  |  |                             |   |
| Ba Carrier  | 8.91E+1<br>8.26E+1   | 62-1 MS  | 40 - 110  |  |                                     |                                     |                      |                |               | Clie   | ent Sample   | ID: A                       | C-12D   |
| Ba Carrier<br>Y Carrier   | 8.91E+1<br>8.26E+1   | 62-1 MS  | 40 - 110  |  |                                     |                                     |                      |                |               | Clie   | ent Sample<br>Prep Typ   |                             |   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID  | 8.91E+1<br>8.26E+1<br>9: 400-2106  | 62-1 MS  | 40 - 110  |  |                                     |                                     |                      |                |               | Clie   |  | be: To                      | al/NA   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>h: 539995   |  | 40 - 110  | MSD                                    | MSD                                 | Total<br>Uncert.                    |                      |                |               | Clie   | Prep Typ<br>Prep Ba  | be: To                      | al/NA<br>38441  |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>h: 539995<br>Sample   | Sample   | 40 - 110<br>D<br>Spike  |  | MSD<br>Qual                         | Uncert.                             | RL                   | MDC            | Unit          |  | Prep Typ<br>Prep Ba<br>%Rec.   | be: Tot<br>tch: 5           | tal/NA<br>38441<br>DER  |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>h: 539995   | Sample<br>Qual   | 40 - 110  | MSD<br><u>Result</u><br>1.402E+1       |                                     |                                     | <b>RL</b><br>1.00E+0 | MDC<br>3.89E-1 | Unit<br>pCi/L | Clie<br><u>%Rec</u><br>103                                     | Prep Typ<br>Prep Ba  | be: To                      | al/NA<br>38441  |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte   | 8.91E+1<br>8.26E+1<br>2: 400-2106<br>h: 539995<br>Sample<br>Result   | Sample<br>Qual   | 40 - 110<br>D<br>Spike<br>Added   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | %Rec   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits   | De: Tot<br>tch: 5           | tal/NA<br>38441<br>DER<br>Limit   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte   | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>1: 539995<br>Sample<br>Result<br>4.67E+0  | Sample<br>Qual<br>MSD  | 40 - 110<br>D<br>Spike<br>Added   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | %Rec   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits   | De: Tot<br>tch: 5           | tal/NA<br>38441<br>DER<br>Limit   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228   | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>h: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD   | Sample<br>Qual<br>MSD  | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | %Rec   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits   | De: Tot<br>tch: 5           | tal/NA<br>38441<br>DER<br>Limit   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier  | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>h: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD<br>%Yield   | Sample<br>Qual<br>MSD  | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | %Rec   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits   | De: Tot<br>tch: 5           | tal/NA<br>38441<br>DER<br>Limit   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier   | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>h: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1                              | Sample<br>Qual<br>MSD<br>Qualifier   | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140   | DER<br>0.88                 | tal/NA<br>38441<br>DER<br>Limit<br>3  |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:   | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>h: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1                              | Sample<br>Qual<br>MSD<br>Qualifier   | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140   | DER<br>0.88                 | Blank   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>1: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD<br>%Yield<br>9.43E+1<br>8.22E+1<br>2: MB 160-5                      | Sample<br>Qual<br>MSD<br>Qualifier   | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ  | DER<br>0.88                 | al/NA<br>38441<br>DER<br>Limit<br>3   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:   | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>1: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD<br>%Yield<br>9.43E+1<br>8.22E+1<br>2: MB 160-5                      | Sample<br>Qual<br>MSD<br>Qualifier   | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110   | Result                                 |                                     | Uncert.<br>(2σ+/-)                  |                      |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140   | DER<br>0.88                 | al/NA<br>38441<br>DER<br>Limit<br>3   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>1: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD<br>%Yield<br>9.43E+1<br>8.22E+1<br>2: MB 160-5                      | Sample<br>Qual<br>MSD<br>Qualifier   | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>23-A   | Result<br>1.402E+1                     | Qual                                | Uncert.<br>(2σ+/-)                  |                      |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ  | DER<br>0.88                 | al/NA<br>38441<br>DER<br>Limit<br>3   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water  | 8.91E+1<br>8.26E+1<br>1: 400-2106<br>1: 539995<br>Sample<br>Result<br>4.67E+0<br>MSD<br>%Yield<br>9.43E+1<br>8.22E+1<br>2: MB 160-5                      | Sample<br>Qual<br>MSD<br>Qualifier<br>539795/2<br>MB                                       | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>23-A   | Count                                  | Qual                                | Uncert.<br>(2σ+/-)                  | 1.00E+0              |                |               | <b>%Rec</b><br>103   | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ  | DER<br>0.88                 | al/NA<br>38441<br>DER<br>Limit<br>3   |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch                          | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>11: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1<br>9: MB 160-5<br>h: 540650 | Sample<br>Qual<br>MSD<br>Qualifier<br>539795/2<br>MB                                       | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>40 - 110<br>33-A<br>MB<br>Qualifier            | Result<br>1.402E+1<br>Count<br>Uncert. | Qual<br>Total<br>Uncert.            | Uncert.<br>(2σ+/-)<br>1.53E+0       | 1.00E+0              | 3.89E-1        | pCi/L         |  | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ<br>Prep Ba                             | DER<br>0.88                 | Blank<br>39795  |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte               | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>11: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1<br>9: MB 160-5<br>h: 540650 | Sample<br>Qual<br>MSD<br>Qualifier<br>539795/2<br>MB<br>Result<br>1.639E-1                 | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>40 - 110<br>33-A<br>MB<br>Qualifier            | Count<br>Uncert.<br>(2σ+/-)            | Qual<br>Total<br>Uncert.<br>(2σ+/-) | Uncert.<br>(2σ+/-)<br>1.53E+0<br>RL | 1.00E+0              | 3.89E-1        | pCi/L         | <br>103<br>Client Sat  | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ<br>Prep Ba<br>Analyzed                 | DER<br>0.88                 | Blank<br>tal/NA<br>DER<br>Limit<br>3<br>Blank<br>tal/NA<br>39795<br>Dil Fac |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte               | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>11: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1<br>9: MB 160-5<br>h: 540650 | Sample<br>Qual<br>MSD<br>Qualifier<br>539795/2<br>MB<br>Result<br>1.639E-1<br>MB<br>%Yield | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>40 - 110<br>33-A<br>MB<br>Qualifier<br>U       | Count<br>Uncert.<br>(2σ+/-)            | Qual<br>Total<br>Uncert.<br>(2σ+/-) | Uncert.<br>(2σ+/-)<br>1.53E+0<br>RL | 1.00E+0              | 3.89E-1        | pCi/L         | <br>103<br>Client Sat  | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ<br>Prep Ba<br>Analyzed                 | DER<br>0.88                 | Blank<br>tal/NA<br>DER<br>Limit<br>3<br>Blank<br>tal/NA<br>39795<br>Dil Fac |
| Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228<br>Carrier<br>Ba Carrier<br>Y Carrier<br>Lab Sample ID:<br>Matrix: Water<br>Analysis Batch<br>Analyte<br>Radium-228 | 8.91E+1<br>8.26E+1<br>9: 400-2106<br>11: 539995<br>Sample<br>Result<br>4.67E+0<br><i>MSD</i><br>%Yield<br>9.43E+1<br>8.22E+1<br>9: MB 160-5<br>h: 540650 | Sample<br>Qual<br>MSD<br>Qualifier<br>539795/2<br>MB<br>Result<br>1.639E-1<br>MB           | 40 - 110<br>5D<br>Spike<br>Added<br>9.10E+0<br>Limits<br>40 - 110<br>40 - 110<br>40 - 110<br>33-A<br>MB<br>Qualifier<br>U<br>MB | Count<br>Uncert.<br>(2σ+/-)<br>2.08E-1 | Qual<br>Total<br>Uncert.<br>(2σ+/-) | Uncert.<br>(2σ+/-)<br>1.53E+0<br>RL | 1.00E+0              | 3.89E-1        | pCi/L         | <u>%Rec</u><br>103<br>Client Sat<br>Prepared<br>[2/02/21 08:56 | Prep Typ<br>Prep Ba<br>%Rec.<br>Limits<br>60 - 140<br>mple ID: Me<br>Prep Typ<br>Prep Ba<br>Analyzed<br>12/07/21 13: | DER<br>0.88<br>0.88<br>0.88 | Blank<br>al/NA<br>DER<br>Limit<br>3<br>Blank<br>cal/NA<br>39795<br>Dil Fac  |

### Method: 904.0 - Radium-228 (GFPC) (Continued)

| Lab Sample II<br>Matrix: Water |                 | )-539795/1-4      | <b>A</b>         |          |       |                    |                      |                       | Clien         | t Sample I  | D: Lab Co<br>Prep T  | ontrol S<br>ype: To |              |
|--------------------------------|-----------------|-------------------|------------------|----------|-------|--------------------|----------------------|-----------------------|---------------|-------------|----------------------|---------------------|--------------|
| Analysis Batc                  |                 |                   |                  |          |       |                    |                      |                       |               |             |                      | Batch: 5            |              |
| -                              |                 |                   |                  |          |       | Total              |                      |                       |               |             |                      |                     |              |
|                                |                 |                   | Spike            | LCS      | LCS   | Uncert.            |                      |                       |               |             | %Rec.                |                     |              |
| Analyte                        |                 |                   | Added            | Result   | Qual  | (2 <b>σ+/-</b> )   | RL                   | MDC                   | Unit          | %Rec        | Limits               |                     |              |
| Radium-228                     |                 |                   | 9.08E+0          | 9.877E+0 |       | 1.15E+0            | 1.00E+0              | 3.75E-1               | pCi/L         | 109         | 75 - 125             |                     |              |
|                                | LCS             | LCS               |                  |          |       |                    |                      |                       |               |             |                      |                     |              |
| Carrier                        | %Yield          | Qualifier         | Limits           |          |       |                    |                      |                       |               |             |                      |                     |              |
| Ba Carrier                     | 9.25E+1         |                   | 40 - 110         | -        |       |                    |                      |                       |               |             |                      |                     |              |
| Y Carrier                      | 8.15E+1         |                   | 40 _ 110         |          |       |                    |                      |                       |               |             |                      |                     |              |
| Lab Sample II<br>Matrix: Water |                 | 00-539795/2       | -A               |          |       |                    |                      | CII                   | ent San       | npie ID: La | ab Control<br>Prep T | ype: To             |              |
| Analysis Batc                  | :h: 540651      |                   |                  |          |       |                    |                      |                       |               |             | Prep B               | Batch: 5            |              |
| Analysis Batc                  | :h: 540651      |                   | Califo           |          | 1.050 | Total              |                      |                       |               |             |                      | Batch: 5            | 39795        |
|                                | :h: 540651      |                   | Spike            |          | LCSD  | Uncert.            | Ы                    | MDC                   | Unit          | % Boo       | %Rec.                |                     | 39795<br>DER |
| Analyte                        | :h: 540651<br>_ |                   | Added            | Result   |       | Uncert.<br>(2σ+/-) | RL                   | MDC                   |               | %Rec        | %Rec.<br>Limits      | DER                 | DER<br>Limit |
|                                | :h: 540651<br>_ |                   |                  |          |       | Uncert.            | <b>RL</b><br>1.00E+0 | <b>MDC</b><br>3.76E-1 | Unit<br>pCi/L |             | %Rec.                | <b>DER</b><br>1.40  | 39795<br>DER |
| Analyte                        |                 |                   | Added            | Result   |       | Uncert.<br>(2σ+/-) |                      |                       |               |             | %Rec.<br>Limits      | DER                 | DER<br>Limit |
| Analyte<br>Radium-228          | LCSD            |                   | Added<br>9.08E+0 | Result   |       | Uncert.<br>(2σ+/-) |                      |                       |               |             | %Rec.<br>Limits      | <b>DER</b><br>1.40  | DER<br>Limit |
| Analyte                        | LCSD            | LCSD<br>Qualifier | Added            | Result   |       | Uncert.<br>(2σ+/-) |                      |                       |               |             | %Rec.<br>Limits      | <b>DER</b><br>1.40  | DER<br>Limit |

### Lab Sample ID: 400-210573-1 Matrix: Water

### Date Collected: 11/02/21 09:55 Date Received: 11/02/21 16:43

**Client Sample ID: AC-25D** 

|           | Batch    | Batch           |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 10     |            |        | 555020 | 11/08/21 19:22 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 2      | 10 mL      | 10 mL  | 554556 | 11/04/21 13:32 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |            |        | 555270 | 11/03/21 21:29 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 13:41 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554452 | 11/03/21 21:29 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 1000.59 mL | 1.0 g  | 535218 | 11/05/21 10:57 | BMP     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |            |        | 539046 | 11/29/21 09:12 | MLK     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 1000.29 mL | 1.0 g  | 539795 | 12/02/21 08:56 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |            |        | 540650 | 12/07/21 13:47 | FLC     | TAL SL  |

### Client Sample ID: AC-35D Date Collected: 11/02/21 11:09 Date Received: 11/02/21 16:43

### Lab Sample ID: 400-210573-2 Matrix: Water

Lab Sample ID: 400-210573-3

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Factor Amount or Analyzed Туре Run Amount Number Analyst Lab Total/NA Analysis 300.0 10 555020 11/08/21 19:47 KIS TAL PEN Total/NA Analysis 353.2 5 10 mL 10 mL 554556 11/04/21 13:35 KJR TAL PEN Total/NA Analysis Nitrate by calc 1 555270 11/03/21 21:29 RRC TAL PEN TAL PEN Total/NA Analysis SM 4500 F C 1 10 mL 10 mL 555001 11/08/21 13:30 KAK TAL PEN Total/NA Analysis SM 4500 NO2 B 10 mL 10 mL 554452 11/03/21 21:29 DEK 1 Total/NA Prep PrecSep-21 1000.59 mL 1.0 g 535218 11/05/21 10:57 BMP TAL SL Total/NA Analysis 903.0 539046 11/29/21 09:12 MLK TAL SL 1 Total/NA Prep PrecSep\_0 750.76 mL 1.0 g 539795 12/02/21 08:56 LPS TAL SL Total/NA Analysis 904.0 1 540650 12/07/21 13:47 FLC TAL SL

### Client Sample ID: AC-2D Date Collected: 11/02/21 15:15 Date Received: 11/02/21 16:43

|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |           |        | 554758 | 11/06/21 16:04 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 1      | 10 mL     | 10 mL  | 554556 | 11/04/21 13:12 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555270 | 11/03/21 21:30 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 12:14 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554452 | 11/03/21 21:30 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 750.78 mL | 1.0 g  | 535218 | 11/05/21 10:57 | BMP     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 539046 | 11/29/21 09:13 | MLK     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 750.71 mL | 1.0 g  | 539795 | 12/02/21 08:56 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 540650 | 12/07/21 13:47 | FLC     | TAL SL  |

### Lab Sample ID: 400-210573-4 Matrix: Water

### Client Sample ID: AC-2S Date Collected: 11/02/21 15:55 Date Received: 11/02/21 16:43

|                   | Batch    | Batch           |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-------------------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Ргер Туре         | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA          | Analysis | 300.0           |     | 1      |            |        | 554758 | 11/06/21 16:29 | KIS     | TAL PEN |
| Total Recoverable | Prep     | 3005A           |     |        | 50 mL      | 50 mL  | 555398 | 11/10/21 18:19 | KWN     | TAL PEN |
| Total Recoverable | Analysis | 6010C           |     | 1      |            |        | 556211 | 11/16/21 15:59 | LDC     | TAL PEN |
| Total/NA          | Analysis | 353.2           |     | 1      | 10 mL      | 10 mL  | 554556 | 11/04/21 13:12 | KJR     | TAL PEN |
| Total/NA          | Analysis | Nitrate by calc |     | 1      |            |        | 555270 | 11/03/21 21:30 | RRC     | TAL PEN |
| Total/NA          | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 13:38 | KAK     | TAL PEN |
| Total/NA          | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554452 | 11/03/21 21:30 | DEK     | TAL PEN |
| Total/NA          | Prep     | PrecSep-21      |     |        | 1000.88 mL | 1.0 g  | 535218 | 11/05/21 10:57 | BMP     | TAL SL  |
| Total/NA          | Analysis | 903.0           |     | 1      |            |        | 539046 | 11/29/21 09:13 | MLK     | TAL SL  |
| Total/NA          | Prep     | PrecSep_0       |     |        | 1000.11 mL | 1.0 g  | 539795 | 12/02/21 08:56 | LPS     | TAL SL  |
| Total/NA          | Analysis | 904.0           |     | 1      |            |        | 540650 | 12/07/21 13:48 | FLC     | TAL SL  |

### Client Sample ID: DUP-1

### Date Collected: 11/02/21 00:00 Date Received: 11/02/21 16:43

### Lab Sample ID: 400-210573-5

Matrix: Water

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|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |           |        | 554758 | 11/06/21 16:54 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 1      | 10 mL     | 10 mL  | 554556 | 11/04/21 13:13 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555270 | 11/03/21 21:30 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 13:33 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554452 | 11/03/21 21:30 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 750.59 mL | 1.0 g  | 535218 | 11/05/21 10:57 | BMP     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 539046 | 11/29/21 09:13 | MLK     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 750.22 mL | 1.0 g  | 539795 | 12/02/21 08:56 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 540650 | 12/07/21 13:48 | FLC     | TAL SL  |

### Client Sample ID: AC-12D Date Collected: 11/03/21 10:58

### Date Received: 11/03/21 16:45

|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Prep Туре | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 10     |           |        | 555020 | 11/08/21 17:43 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 5      | 10 mL     | 10 mL  | 554573 | 11/04/21 14:59 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555270 | 11/03/21 20:57 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 11:41 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554452 | 11/03/21 20:57 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 999.22 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 542556 | 12/17/21 11:25 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 999.22 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 539994 | 12/02/21 12:58 | FLC     | TAL SL  |

Lab Sample ID: 400-210662-1

Matrix: Water

### Lab Sample ID: 400-210662-2 Matrix: Water

Lab Sample ID: 400-210662-3

Lab Sample ID: 400-210662-4

Matrix: Water

Date Collected: 11/03/21 09:33 Date Received: 11/03/21 16:45

**Client Sample ID: AC-13D** 

|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |           |        | 554758 | 11/05/21 17:15 | KIS     | TAL PEN |
| Total/NA  | Analysis | 300.0           | DL  | 10     |           |        | 555020 | 11/08/21 18:08 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 5      | 10 mL     | 10 mL  | 554556 | 11/04/21 13:39 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555270 | 11/03/21 20:57 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 13:22 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554452 | 11/03/21 20:57 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 999.64 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 542558 | 12/17/21 12:08 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 999.64 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 539995 | 12/02/21 12:51 | FLC     | TAL SL  |

### **Client Sample ID: AC-24D**

Date Collected: 11/03/21 14:58 Date Received: 11/03/21 16:45

Batch

Batch

### Matrix: Water Dil Initial Final Batch Prepared Factor Amount Number or Analyzed Analyst Lab

|           |          |                 |     |        |            |        |        | -              |         |         |
|-----------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 5      |            |        | 555020 | 11/08/21 18:33 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 2      | 10 mL      | 10 mL  | 554556 | 11/04/21 13:40 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |            |        | 555270 | 11/03/21 20:57 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 13:26 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554452 | 11/03/21 20:57 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 1000.26 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |            |        | 542558 | 12/17/21 12:09 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 1000.26 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |            |        | 539995 | 12/02/21 12:51 | FLC     | TAL SL  |
| _         |          |                 |     |        |            |        |        |                |         |         |

### Client Sample ID: AC-29D Date Collected: 11/03/21 13:39 Date Received: 11/03/21 16:45

|           | Batch    | Batch           |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |            |        | 554758 | 11/05/21 18:05 | KIS     | TAL PEN |
| Total/NA  | Analysis | 300.0           | DL  | 10     |            |        | 555020 | 11/08/21 18:58 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 5      | 10 mL      | 10 mL  | 554556 | 11/04/21 13:41 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |            |        | 555270 | 11/03/21 21:29 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 12:18 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554452 | 11/03/21 21:29 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 1000.91 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |            |        | 542558 | 12/17/21 12:09 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 1000.91 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |            |        | 539995 | 12/02/21 12:51 | FLC     | TAL SL  |

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### Lab Sample ID: 400-210714-1 Matrix: Water

Lab Sample ID: 400-210714-2

Lab Sample ID: 400-210714-3

Matrix: Water

Matrix: Water

### Client Sample ID: AC-3D Date Collected: 11/04/21 11:01 Date Received: 11/04/21 17:00

|           | Batch    | Batch           |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |            |        | 554758 | 11/06/21 17:19 | KIS     | TAL PEN |
| Total/NA  | Analysis | 300.0           | DL  | 5      | 10 mL      | 1.0 mL | 555020 | 11/08/21 20:12 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 5      | 10 mL      | 10 mL  | 555476 | 11/11/21 11:21 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |            |        | 555097 | 11/04/21 18:41 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 12:10 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554628 | 11/04/21 18:41 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 1000.00 mL | 1.0 g  | 535638 | 11/09/21 10:24 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |            |        | 539990 | 12/02/21 19:53 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 1000.00 mL | 1.0 g  | 535642 | 11/09/21 11:17 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |            |        | 538451 | 11/24/21 13:22 | FLC     | TAL SL  |

### **Client Sample ID: ACB-315**

Date Collected: 11/04/21 13:08 Date Received: 11/04/21 17:00

|           | Batch    | Batch           |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method          | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |            |        | 554758 | 11/06/21 17:44 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 1      | 10 mL      | 10 mL  | 555476 | 11/11/21 11:19 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |            |        | 555097 | 11/04/21 18:41 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL      | 10 mL  | 555001 | 11/08/21 11:51 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL      | 10 mL  | 554628 | 11/04/21 18:41 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 1000.28 mL | 1.0 g  | 535638 | 11/09/21 10:24 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |            |        | 539990 | 12/02/21 19:53 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 1000.28 mL | 1.0 g  | 535642 | 11/09/21 11:17 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |            |        | 538451 | 11/24/21 13:22 | FLC     | TAL SL  |

### Client Sample ID: EQ-1 Date Collected: 11/04/21 13:38 Date Received: 11/04/21 17:00

|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 1      |           |        | 554758 | 11/06/21 18:09 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 1      | 10 mL     | 10 mL  | 555476 | 11/11/21 11:04 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555097 | 11/04/21 19:13 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 11:54 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554628 | 11/04/21 19:13 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 999.92 mL | 1.0 g  | 535638 | 11/09/21 10:24 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 539990 | 12/02/21 19:53 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 999.92 mL | 1.0 g  | 535642 | 11/09/21 11:17 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 538451 | 11/24/21 13:23 | FLC     | TAL SL  |

Initial

Amount

750 mL

Initial

Amount

750 mL

Final

Amount

1.0 g

Final

Amount

1.0 g

Batch

Number

535218

539049

Batch

Number

535638

539993

Dil

1

Dil

1

Factor

Factor

Run

Run

**Client Sample ID: Method Blank** 

Batch

Туре

Prep

**Client Sample ID: Method Blank** 

Analysis

Batch

Туре

Prep

Analysis

Batch

903.0

Batch

903.0

Method

PrecSep-21

Method

PrecSep-21

Date Collected: N/A

Date Received: N/A

Date Collected: N/A

Date Received: N/A

Prep Type

Total/NA

Total/NA

Ргер Туре

Total/NA

Total/NA

### Lab Sample ID: MB 160-535218/23-A

Analyst

Analyst

LPS

FLC

Lab Sample ID: MB 160-535642/23-A

Lab Sample ID: MB 160-538437/23-A

Lab Sample ID: MB 160-538441/23-A

Lab Sample ID: MB 160-539795/23-A

BMP

FLC

Lab Sample ID: MB 160-535638/23-A

Prepared

or Analyzed

11/05/21 10:57

11/29/21 09:18

Prepared

or Analyzed

11/09/21 10:24

12/02/21 20:41

Matrix: Water

Lab

TAL SL

TAL SL

Matrix: Water

Lab

TAL SL

TAL SL

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

### Client Sample ID: Method Blank Date Collected: N/A

Date Received: N/A

Date Collected: N/A

Data Bassivadi N/A

|           | Batch    | Batch     |     | Dil    | Initial | Final  | Batch  | Prepared       |         |        |
|-----------|----------|-----------|-----|--------|---------|--------|--------|----------------|---------|--------|
| Prep Type | Туре     | Method    | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab    |
| Total/NA  | Prep     | PrecSep_0 |     |        | 750 mL  | 1.0 g  | 535642 | 11/09/21 11:17 | LPS     | TAL SL |
| Total/NA  | Analysis | 904.0     |     | 1      |         |        | 538450 | 11/24/21 13:18 | FLC     | TAL SL |

### Client Sample ID: Method Blank

|           | Batch    | Batch      |     | Dil    | Initial | Final  | Batch  | Prepared       |         |        |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|--------|
| Ргер Туре | Туре     | Method     | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab    |
| Total/NA  | Prep     | PrecSep-21 |     |        | 1000 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL |
| Total/NA  | Analysis | 903.0      |     | 1      |         |        | 542558 | 12/17/21 12:11 | FLC     | TAL SL |

### Client Sample ID: Method Blank

Date Collected: N/A Date Received: N/A

| Prep Type | Batch<br>Type | Batch<br>Method | Run | Dil<br>Factor | Initial<br>Amount | Final<br>Amount | Batch<br>Number | Prepared or Analyzed | Analyst | Lab    |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|--------|
| Total/NA  | Prep          | PrecSep_0       |     |               | 1000 mL           | 1.0 g           | 538441          | 11/24/21 10:09       | LPS     | TAL SL |
| Total/NA  | Analysis      | 904.0           |     | 1             |                   |                 | 539995          | 12/02/21 12:54       | FLC     | TAL SL |

### Client Sample ID: Method Blank Date Collected: N/A Date Received: N/A

|          | Batch    | Batch<br>Method | Run | Dil    | Initial<br>Amount | Final  | Batch<br>Number | Prepared<br>or Analyzed | Analvst | Lab    |
|----------|----------|-----------------|-----|--------|-------------------|--------|-----------------|-------------------------|---------|--------|
| Prep Typ | ре Туре  | method          | Run | Factor | Amount            | Amount | Number          | or Analyzed             | Analyst | Lab    |
| Total/NA | Prep     | PrecSep_0       |     |        | 1000 mL           | 1.0 g  | 539795          | 12/02/21 08:56          | LPS     | TAL SL |
| Total/NA | Analysis | s 904.0         |     | 1      |                   |        | 540650          | 12/07/21 13:48          | FLC     | TAL SL |

Job ID: 400-210573-1

10

| Date Collected:<br>Date Received:   | : N/A   | d Blank  |          |  |   |   | La   | b Sample ID  |   | J-554452/0<br>Natrix: Wate  |
|---|---|--|----------|--|---|---|--|--|---|---|
|   |   | Detak  |          | <b>D</b> ii  | 1 141 - 1                                       | Ein - I                                     | Detek  | <b>D</b> an an an al   |   |   |
| D   | Batch   | Batch  | <b>D</b> | Dil  | Initial   | Final                                       | Batch  | Prepared   | A   | 1   |
| Prep Type   | Type  | Method   | Run      | Factor   | Amount  | Amount                                      | Number   | or Analyzed  | Analyst   |   |
| Total/NA  | Analysis  | SM 4500 NO2 B  |          | 1  | 10 mL   | 10 mL                                       | 554452   | 11/03/21 20:57   | DEK   | TAL PEN   |
| Client Sampl  | le ID: Metho  | d Blank  |          |  |   |   | La   | b Sample ID  | : MB 40   | )-554556/   |
| Date Collected:   | : N/A   |  |          |  |   |   |  |  | Ν   | Atrix: Wate   |
| Date Received:  | N/A   |  |          |  |   |   |  |  |   |   |
| _   | Batch   | Batch  |          | Dil  | Initial   | Final                                       | Batch  | Prepared   |   |   |
| Prep Type   | Туре  | Method   | Run      | Factor   | Amount  | Amount                                      | Number   | or Analyzed  | Analyst   | Lab   |
| Total/NA  | Analysis  | 353.2  |          | 1  | 10 mL   | 10 mL                                       | 554556   | 11/04/21 13:05   | KJR   | TAL PEN   |
| -<br>Client Sampl   | lo ID: Motho  | d Blank  |          |  |   |   | 1.0  | b Sample ID  | MB 400  | 554572  |
| Date Collected:   |   |  |          |  |   |   | La   |  |   | Atrix: Wat  |
| Date Conected.  |   |  |          |  |   |   |  |  | 'n  |   |
|   |   |  |          |  |   |   |  | _  |   |   |
|   | Batch   | Batch  |          | Dil  | Initial   | Final                                       | Batch  | Prepared   |   |   |
| Prep Type   | Туре  | Method   | Run      | Factor   | Amount  | Amount                                      | Number   | or Analyzed  | Analyst   |   |
| Total/NA  | Analysis  | 353.2  |          | 1  | 10 mL   | 10 mL                                       | 554573   | 11/04/21 14:35   | KJR   | TAL PEN   |
| Client Sampl  | le ID: Metho  | d Blank  |          |  |   |   | La   | b Sample ID  | : MB 40   | )-554628/   |
|   |   |  |          |  |   |   |  |  |   |   |
|   | N/A<br>Batch  | Batch  |          | Dil  | Initial   | Final                                       | Batch  | Prepared   |   |   |
|   |   | Batch<br>Method  | Run      | Dil<br>Factor                                      | Initial<br>Amount                               | Final<br>Amount                             | Batch<br>Number  | Prepared or Analyzed   | Analyst   | Lab   |
| Date Received:  | Batch   |  | Run      |  |   |   |  | -  | Analyst<br>DEK  | - Lab<br>TAL PEN  |
| Prep Type<br>Total/NA   | Batch<br>Type<br>Analysis   | Method<br>SM 4500 NO2 B  | Run      | Factor   | Amount  | Amount                                      | Number<br>554628   | or Analyzed  | DEK   | TAL PEN   |
| Prep Type<br>Total/NA<br>Client Sampl   | Batch<br>Type<br>Analysis   | Method<br>SM 4500 NO2 B  | Run      | Factor   | Amount  | Amount                                      | Number<br>554628   | or Analyzed  | DEK<br>MB 400-  | TAL PEN   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:  | Batch<br>Type<br>Analysis<br>le ID: Metho<br>: N/A  | Method<br>SM 4500 NO2 B  | Run      | Factor   | Amount  | Amount                                      | Number<br>554628   | or Analyzed  | DEK<br>MB 400-  | TAL PEN   |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:  | Batch<br>Type<br>Analysis<br>le ID: Metho<br>: N/A  | Method<br>SM 4500 NO2 B  | Run      | Factor   | Amount  | Amount                                      | Number<br>554628   | or Analyzed<br>11/04/21 13:08<br>Sample ID:  | DEK<br>MB 400-  | TAL PEN   |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:  | Batch<br>Type<br>Analysis<br>le ID: Metho<br>: N/A<br>N/A<br>Batch  | Method<br>SM 4500 NO2 B<br>d Blank   | Run      | Factor<br>1  | Amount<br>10 mL                                 | Amount<br>10 mL                             | - Number<br>554628<br>Lab  | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared  | DEK<br>MB 400-<br>M   | TAL PEN   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:  | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A   | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch  |          | Factor<br>1  | Amount<br>10 mL<br>Initial                      | Amount<br>10 mL<br>Final                    | Aumber<br>554628<br>Lab<br>Batch   | or Analyzed<br>11/04/21 13:08<br>Sample ID:  | DEK<br>MB 400-  | TAL PEN<br>554758/2<br>Natrix: Wate   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA   | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis  | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0   |          | Factor<br>1<br>Dil<br>Factor                       | Amount<br>10 mL<br>Initial                      | Amount<br>10 mL<br>Final                    | Aumber<br>554628<br>Lab<br>Batch<br>Number<br>554758   | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10   | DEK<br>MB 400-<br>M<br>M<br>Analyst<br>KIS  | TAL PEN<br>554758/2<br>Matrix: Wate<br>   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl   | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho  | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0   |          | Factor<br>1<br>Dil<br>Factor                       | Amount<br>10 mL<br>Initial                      | Amount<br>10 mL<br>Final                    | Aumber<br>554628<br>Lab<br>Batch<br>Number<br>554758   | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed   | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-                                    | TAL PEN<br>554758/2<br>Matrix: Wate<br><u>Lab</u><br>TAL PEN<br>554758/8  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Client Sampl<br>Date Collected:  | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A   | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0   |          | Factor<br>1<br>Dil<br>Factor                       | Amount<br>10 mL<br>Initial                      | Amount<br>10 mL<br>Final                    | Aumber<br>554628<br>Lab<br>Batch<br>Number<br>554758   | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10   | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-                                    | TAL PEN<br>554758/2<br>Matrix: Wate<br><u>Lab</u><br>TAL PEN<br>554758/8  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Client Sampl<br>Date Collected:  | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A  | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank  |          | Factor<br>1<br>Dil<br>Factor<br>1                  | Amount<br>10 mL<br>Initial<br>Amount            | Amount<br>10 mL<br>Final<br>Amount          | Number<br>554628<br>Lab<br>Batch<br>Number<br>554758<br>Lab  | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:   | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-                                    | TAL PEN<br>554758/2<br>Matrix: Wate<br><u>Lab</u><br>TAL PEN<br>554758/8  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:   | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch                                       | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch                               |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil           | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> </ul>                                 | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared   | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M                               | TAL PEN         554758/2         Matrix: Wate         Lab         TAL PEN         554758/8         Matrix: Wate   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:<br>Prep Type  | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type                               | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>Blank<br>Batch<br>Method                                |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>10 mL<br>Initial<br>Amount            | Amount<br>10 mL<br>Final<br>Amount          | Number<br>554628<br>Lab<br>Batch<br>Number<br>554758<br>Lab<br>Batch<br>Number   | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed                                  | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst                    | TAL PEN<br>554758/2<br>Matrix: Wate<br>Lab<br>554758/8<br>Matrix: Wate<br>Lab   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:   | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch                                       | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch                               |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil           | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> </ul>                                 | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared   | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M                               | TAL PEN         •554758/2         Matrix: Wate         Lab         TAL PEN         •554758/8         Matrix: Wate   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA  | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis                     | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch<br>Method<br>300.0            |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> </ul> | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed                                  | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst<br>KIS             | TAL PEN<br>554758/2<br>Matrix: Wate<br>Lab<br>TAL PEN<br>554758/8<br>Matrix: Wate<br>Lab<br>TAL PEN   |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch<br>Method<br>300.0            |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> </ul> | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/06/21 06:31                | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst<br>KIS<br>: MB 400 | TAL PEN         554758/2         Aatrix: Wate         Lab         TAL PEN         554758/8         Aatrix: Wate         Lab         TAL PEN         554758/8         Matrix: Wate         Lab         TAL PEN         554758/8         Matrix: Wate         D-555001/ |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch<br>Method<br>300.0            |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> </ul> | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/06/21 06:31                | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst<br>KIS<br>: MB 400 | TAL PEN         554758/2         Aatrix: Wate         Lab         TAL PEN         554758/8         Aatrix: Wate         554758/8         Matrix: Wate         Lab         TAL PEN         554758/8         Matrix: Wate         D-555001/                             |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch<br>Method<br>300.0            |          | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>10 mL<br>Initial<br>Amount<br>Initial | Amount<br>10 mL<br>Final<br>Amount<br>Final | <ul> <li>Number</li> <li>554628</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554758</li> </ul> | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/06/21 06:31                | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst<br>KIS<br>: MB 400 | TAL PEN         554758/2         Aatrix: Wate         Lab         TAL PEN         554758/8         Aatrix: Wate         554758/8         Matrix: Wate         Lab         TAL PEN         554758/8         Matrix: Wate         D-555001/                             |
| Total/NA Client Sampl Date Collected: Date Received: Prep Type Total/NA Client Sampl Date Collected: Date Received: Prep Type Prep Type Prep Type   | Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis<br>Ie ID: Metho<br>: N/A<br>N/A<br>Batch<br>Type<br>Analysis                   | Method<br>SM 4500 NO2 B<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank<br>Batch<br>Method<br>300.0<br>d Blank |          | Factor       1       Dil       Factor       1      | Amount 10 mL Initial Amount Initial Amount      | Amount 10 mL Final Amount Final Amount      | Number<br>554628<br>Lab<br>Batch<br>Number<br>554758<br>Lab<br>Batch<br>Number<br>554758<br>Lab  | or Analyzed<br>11/04/21 13:08<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/05/21 15:10<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/06/21 06:31<br>b Sample ID | DEK<br>MB 400-<br>M<br>Analyst<br>KIS<br>MB 400-<br>M<br>Analyst<br>KIS<br>: MB 400 | TAL PEN<br>554758/2<br>Matrix: Wate<br>Lab<br>TAL PEN<br>554758/8<br>Matrix: Wate<br>Lab<br>TAL PEN   |

Eurofins TestAmerica, Pensacola

Total/NA

Analysis

903.0

| Client Sample<br>Date Collected: N<br>Date Received: N | / <b>A</b> | d Blank       |     |        |         |        | Lab    | Sample ID:     |          | -555020/40<br>Aatrix: Wate  |
|--|------------|---------------|-----|--------|---------|--------|--------|----------------|----------|-----------------------------|
| Γ  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Prep Type  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total/NA   | Analysis   | 300.0         |     | 1      |         |        | 555020 | 11/09/21 06:58 | KIS      | TAL PEN                     |
| Client Sample  | ID: Metho  | d Blank       |     |        |         |        | La     | b Sample ID    | : MB 40  | 0-555020/7                  |
| Date Collected: N                                      | / <b>A</b> |               |     |        |         |        |        | -              | N        | Aatrix: Wate                |
| Date Received: N                                       | / <b>A</b> |               |     |        |         |        |        |                |          |                             |
| _  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Prep Type  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total/NA   | Analysis   | 300.0         |     | 1      |         |        | 555020 | 11/08/21 14:49 | KIS      | TAL PEN                     |
| Client Sample  |            | d Blank       |     |        |         |        | Lab    | Sample ID: M   |          |                             |
| Date Collected: N<br>Date Received: N                  |            |               |     |        |         |        |        |                | ľ        | Aatrix: Wate                |
| _  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Prep Type  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total Recoverable                                      | Prep       | 3005A         |     |        | 50 mL   | 50 mL  | 555398 | 11/10/21 18:19 | KWN      | TAL PEN                     |
| Total Recoverable                                      | Analysis   | 6010C         |     | 1      |         |        | 556211 | 11/16/21 15:49 | LDC      | TAL PEN                     |
| Client Sample<br>Date Collected: N<br>Date Received: N | / <b>A</b> | d Blank       |     |        |         |        | Lab    | Sample ID:     |          | -555476/8<br>Aatrix: Wate   |
| _  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Prep Туре  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total/NA   | Analysis   | 353.2         |     | 1      | 10 mL   | 10 mL  | 555476 | 11/11/21 10:54 | KJR      | TAL PEN                     |
| Client Sample  | ID: Lab Co | ontrol Sample | •   |        |         |        | Lab S  | ample ID: LO   | CS 160-5 | 535218/1-                   |
| Date Collected: N<br>Date Received: N                  |            |               |     |        |         |        |        |                | N        | Aatrix: Wate                |
| _  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Ргер Туре  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total/NA   | Prep       | PrecSep-21    |     |        | 750 mL  | 1.0 g  | 535218 | 11/05/21 10:57 | BMP      | TAL SL                      |
| Total/NA   | Analysis   | 903.0         |     | 1      |         |        | 539046 | 11/29/21 09:12 | MLK      | TAL SL                      |
| Client Sample<br>Date Collected: N<br>Date Received: N | / <b>A</b> | ontrol Sample | )   |        |         |        | Lab S  | ample ID: LC   |          | 535638/1-,<br>//atrix: Wate |
| _  | Batch      | Batch         |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                             |
| Ргер Туре  | Туре       | Method        | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                         |
| Total/NA   | Prep       | PrecSep-21    |     |        | 750 mL  | 1.0 g  | 535638 | 11/09/21 10:24 | LPS      | TAL SL                      |
|  |            | 000.0         |     |        |         | 3      | 500704 | 40/04/04 04 55 | -        |                             |

12/01/21 21:55 FLC

1

539784

TAL SL

Initial

Amount

750 mL

Initial

Amount

1000 mL

Final

Amount

1.0 g

Final

Amount

1.0 g

Batch

Number

535642

538449

Batch

Number

538437

542557

Dil

1

Dil

1

Factor

Factor

Run

Run

Date Collected: N/A

Date Received: N/A

Date Collected: N/A

Date Received: N/A

Date Collected: N/A Date Received: N/A

Prep Type

Total/NA

Total/NA

Ргер Туре

Total/NA

Total/NA

Total/NA

**Client Sample ID: Lab Control Sample** 

Batch

Туре

Prep

Analysis

**Client Sample ID: Lab Control Sample** 

Batch

Туре

Prep

Analysis

**Client Sample ID: Lab Control Sample** 

Analysis

353.2

Batch

Method

904.0

Batch

903.0

Method

PrecSep-21

PrecSep\_0

Lab TAL SL

TAL SL

Matrix: Water

Lab

TAL SL

### Lab Sample ID: LCS 160-535642/1-A Matrix: Water

Analyst

Analyst

LPS

LPS

FLC

Lab Sample ID: LCS 160-538437/1-A

Prepared

or Analyzed

11/09/21 11:17

11/24/21 13:16

Prepared

or Analyzed

11/24/21 09:32

| 42557  | 12/17/21 11:21 | FLC     | TAL SL                      | 10 |
|--------|----------------|---------|-----------------------------|----|
| Lab S  | ample ID: LO   |         | 538441/1-A<br>Natrix: Water | 11 |
|        |                |         |                             | 12 |
| atch   | Prepared       |         |                             | 12 |
| lumber | or Analyzed    | Analyst | Lab                         |    |
| 38441  | 11/24/21 10:09 | LPS     | TAL SL                      |    |
| 30004  | 12/02/21 12:56 | FLC     | TAL SI                      |    |

### Batch Dil Initial Final Batch Batch Prepa Prep Type Туре Method Factor Amount Amount Number or Anal Run Total/NA Prep PrecSep 0 1000 mL 1.0 g 538441 11/24/21 Total/NA Analysis 904.0 539994 12/02/21 12:56 1 FLC **Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 160-539795/1-A Date Collected: N/A Matrix: Water Date Received: N/A Batch Batch Dil Final Initial Batch Prepared Prep Type Method Amount Number or Analyzed Туре Run Factor Amount Analyst Lab Total/NA Prep PrecSep\_0 1000 mL 1.0 g 539795 12/02/21 08:56 LPS TAL SL Total/NA Analysis 904.0 1 540651 12/07/21 13:44 FI C TAL SL **Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 400-554452/48 Date Collected: N/A Matrix: Water Date Received: N/A Batch Batch Dil Initial Final Batch Prepared Number Ргер Туре Туре Method Factor **∆**mount Amount or Analyzed Analyst Run Lab Total/NA Analysis SM 4500 NO2 B 10 mL 10 mL 554452 11/03/21 21:31 DEK TAL PEN 1 **Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 400-554556/2 Date Collected: N/A Matrix: Water Date Received: N/A Dil Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab

KJR

10 mL

10 mL

554556

11/04/21 13:06

TAL PEN

| Date Collected:<br>Date Received:  | N/A   | ontrol Sample   |         |  |  |  | Lat  | Sample ID:   |  | 0-554573/<br>/latrix: Wate  |
|--|---|---|---------|--|--|--|--|--|--|---|
| Prep Type  | Batch<br>Type   | Batch<br>Method   | Run     | Dil<br>Factor                                      | Initial<br>Amount  | Final<br>Amount  | Batch<br>Number  | Prepared<br>or Analyzed  | Analyst  | Lab   |
| Total/NA   | Analysis  | 353.2   |         | 1  | 10 mL  | 10 mL  | 554573   | 11/04/21 14:36   | KJR  | TAL PEN   |
| -  |   |   |         |  |  |  |  |  | 00.400   |   |
| Date Collected:<br>Date Received:  | N/A   | ontrol Sample   |         |  |  |  | Lab  | Sample ID: L   |  | -554628/3<br>Natrix: Wate   |
| _  | Batch   | Batch   |         | Dil  | Initial  | Final  | Batch  | Prepared   |  |   |
| Prep Type  | Туре  | Method  | Run     | Factor   | Amount   | Amount   | Number   | or Analyzed  | Analyst  | Lab   |
| Total/NA   | Analysis  | SM 4500 NO2 B   |         | 1  | 10 mL  | 10 mL  | 554628   | 11/04/21 18:41   | DEK  | TAL PEN   |
| Client Sampl<br>Date Collected:<br>Date Received:  | N/A   | ontrol Sample   |         |  |  |  | Lab  | Sample ID: L   |  | -554758/2<br>/latrix: Wat   |
|  | Batch   | Batch   |         | Dil  | Initial  | Final  | Batch  | Prepared   |  |   |
| Prep Type  | Туре  | Method  | Run     | Factor   | Amount   | Amount   | Number   | or Analyzed  | Analyst  | Lab   |
| Total/NA   | Analysis  | 300.0   |         | 1  |  |  | 554758   | 11/05/21 14:20   | KIS  | TAL PEN   |
|  | N/A   |   |         |  |  |  |  |  |  |   |
|  |   | Batch<br>Method<br>300.0  | Run     | Dil<br>Factor                                      | Initial<br>Amount  | Final<br>Amount  | Batch<br>_ <u>Number</u><br>554758   | Prepared<br>or Analyzed<br>11/06/21 05:41  | Analyst<br>KIS   | Lab<br>TAL PEN  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A   | Method  | Run     | Factor   |  |  | Number<br>554758   | or Analyzed  | Analyst<br>KIS   | - Lab<br>TAL PEN<br>0-555001  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A   | Method<br>300.0   | Run     | Factor   |  |  | Number<br>554758   | or Analyzed  | Analyst<br>KIS   | - Lab<br>TAL PEN<br>0-555001  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A<br>N/A  | Method<br>300.0   | Run Run | Factor<br>1  | Amount   | Amount   | - Number<br>554758   | or Analyzed<br>11/06/21 05:41<br>Sample ID:  | Analyst<br>KIS   | - Lab<br>TAL PEN<br>0-555001  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A<br>N/A<br>Batch   | Method<br>300.0<br>Dentrol Sample<br>Batch  |         | Factor<br>1  | Amount   | Amount   | Aumber<br>554758   | or Analyzed<br>11/06/21 05:41<br>Sample ID:<br>Prepared  | Analyst<br>KIS<br>LCS 400  | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat   |
| Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A   | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method  |         | Factor<br>1<br>Dil<br>Factor                       | Amount<br>Initial<br>Amount                                | Amount<br>Final<br>Amount                              | Number           554758           Lak           Batch           Number           555001  | or Analyzed<br>11/06/21 05:41<br>D Sample ID:<br>Prepared<br>or Analyzed   | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>.CS 400                                  | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>-555020/4  |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A   | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample   |         | Factor<br>1<br>Dil<br>Factor<br>1                  | Amount<br>Initial<br>Amount<br>100 mL                      | Amount<br>Final<br>Amount<br>100 mL                    | Number<br>554758<br>Lak<br>Batch<br>Number<br>555001<br>Lab  | or Analyzed<br>11/06/21 05:41<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/08/21 11:37<br>Sample ID: L   | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>.CS 400                                  | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>-555020/4  |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:  | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch N/A N/A Batch   | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample<br>Batch<br>Batch                             |         | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil           | Amount<br>Initial<br>Amount<br>100 mL<br>Initial           | Amount<br>Final<br>Amount<br>100 mL<br>Final           | <ul> <li>Number</li> <li>554758</li> <li>Lak</li> <li>Batch</li> <li>Number</li> <li>555001</li> <li>Lab</li> <li>Batch</li> </ul>                                 | or Analyzed<br>11/06/21 05:41<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/08/21 11:37<br>Sample ID: L<br>Prepared   | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>CS 400<br>M                              | - Lab<br>TAL PEN<br>0-555001/<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>- 555020/4<br>Matrix: Wat                               |
| Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Date Received:         Date Collected:         Date Collected:         Date Collected:         Date Collected:         Date Collected: | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A   | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample   |         | Factor<br>1<br>Dil<br>Factor<br>1                  | Amount<br>Initial<br>Amount<br>100 mL                      | Amount<br>Final<br>Amount<br>100 mL                    | Number<br>554758<br>Lak<br>Batch<br>Number<br>555001<br>Lab  | or Analyzed<br>11/06/21 05:41<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/08/21 11:37<br>Sample ID: L   | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>.CS 400                                  | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>-555020/4  |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Prep Type   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A Analysis e ID: Lab Co N/A                    | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample<br>Batch<br>Method                            |         | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>Initial<br>Amount<br>100 mL<br>Initial           | Amount<br>Final<br>Amount<br>100 mL<br>Final           | <ul> <li>Number</li> <li>554758</li> <li>Lak</li> <li>Batch</li> <li>Number</li> <li>555001</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>555020</li> </ul> | or Analyzed<br>11/06/21 05:41<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/08/21 11:37<br>Sample ID: L<br>Prepared<br>or Analyzed  | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>CS 400<br>M<br>Analyst<br>KIS<br>LCS 400 | TAL PEN<br>D-555001<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>-555020/4<br>Matrix: Wat<br>- Lab<br>TAL PEN                      |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Prep Type   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A Analysis e ID: Lab Co N/A                    | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample<br>Batch<br>Method<br>300.0                   |         | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>Initial<br>Amount<br>100 mL<br>Initial           | Amount<br>Final<br>Amount<br>100 mL<br>Final           | <ul> <li>Number</li> <li>554758</li> <li>Lak</li> <li>Batch</li> <li>Number</li> <li>555001</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>555020</li> </ul> | or Analyzed<br>11/06/21 05:41<br>D Sample ID:<br>Prepared<br>or Analyzed<br>11/08/21 11:37<br>Sample ID: L<br>Prepared<br>or Analyzed<br>11/09/21 06:08  | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>CS 400<br>M<br>Analyst<br>KIS<br>LCS 400 | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>-555020/4<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>0-555020 |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A | Method<br>300.0<br>Dentrol Sample<br>Batch<br>Method<br>SM 4500 F C<br>Dentrol Sample<br>Batch<br>Method<br>300.0<br>Dentrol Sample |         | Factor       1       Dil       Factor       1      | Amount<br>Initial<br>Amount<br>100 mL<br>Initial<br>Amount | Amount<br>Final<br>Amount<br>100 mL<br>Final<br>Amount | Number<br>554758<br>Lat<br>Batch<br>Number<br>555001<br>Lab<br>Batch<br>Number<br>555020   | or Analyzed           11/06/21 05:41           Sample ID:           Prepared           or Analyzed           11/08/21 11:37           Sample ID: L           Prepared           or Analyzed           11/08/21 11:37           Sample ID: L           Prepared           or Analyzed           11/09/21 06:08           Sample ID: | Analyst<br>KIS<br>LCS 400<br>M<br>Analyst<br>KAK<br>CS 400<br>M<br>Analyst<br>KIS<br>LCS 400 | - Lab<br>TAL PEN<br>0-555001<br>Matrix: Wat<br>- Lab<br>- 555020/4<br>Matrix: Wat<br>- Lab<br>- TAL PEN<br>0-555020         |

**Client Sample ID: Lab Control Sample** 

Batch

Туре

Prep

Analysis

Batch Method

3005A

6010C

### Lab Sample ID: LCS 400-555398/2-A

|     |        |         |        |        |                 | N       | Aatrix: Wate |
|-----|--------|---------|--------|--------|-----------------|---------|--------------|
|     |        |         |        |        |                 |         |              |
|     | Dil    | Initial | Final  | Batch  | Prepared        |         |              |
| Run | Factor | Amount  | Amount | Number | or Analyzed     | Analyst | Lab          |
|     |        | 50 mL   | 50 mL  | 555398 | 11/10/21 18:19  | KWN     | TAL PEN      |
|     | 1      |         |        | 556211 | 11/16/21 15:54  | LDC     | TAL PEN      |
|     |        |         |        | Lab    | Sample ID: L    | .CS 400 | -555476/85   |
|     |        |         |        |        |                 | N       | Aatrix: Wate |
|     | Dil    | Initial | Final  | Batch  | Prepared        |         |              |
| Run | Factor | Amount  | Amount | Number | or Analyzed     | Analyst | Lab          |
|     | 1      | 10 mL   |        | 555476 | 11/11/21 10:55  | KJR     | TAL PEN      |
|     | •      | TO THE  | TO THE | 000470 | 11/11/21 10:00  |         |              |
| up  |        |         |        | Lab Sa | mple ID: LCS    |         |              |
|     |        |         |        |        |                 | n       | Matrix: Wate |
|     | Dil    | Initial | Final  | Batch  | Prepared        |         |              |
| Run | Factor | Amount  | Amount | Number | or Analyzed     | Analyst | Lab          |
|     |        | 750 mL  | 1.0 g  | 535218 | 11/05/21 10:57  | BMP     | TAL SL       |
|     | 1      |         |        | 539046 | 11/29/21 09:12  | MLK     | TAL SL       |
| up  |        |         |        | Lab Sa | mple ID: LCS    | SD 160- | 535638/2-A   |
|     |        |         |        |        |                 | n       | Aatrix: Wate |
|     | Dil    | Initial | Final  | Batch  | Prepared        |         |              |
| Run | Factor | Amount  | Amount | Number | or Analyzed     | Analyst | Lab          |
|     |        | 750 mL  | 1.0 g  | 535638 | 11/09/21 10:24  | LPS     | TAL SL       |
|     | 1      |         | Ū      | 539784 | 12/01/21 21:55  | FLC     | TAL SL       |
| up  |        |         |        | Lab Sa | mple ID: LCS    | SD 160- | 535642/2-4   |
|     |        |         |        |        |                 | n       | Aatrix: Wate |
|     | Dil    | Initial | Final  | Batch  | Prepared        |         |              |
| Run | Factor | Amount  | Amount | Number | or Analyzed     | Analyst | Lab          |
|     |        | 750 mL  | 1.0 g  | 535642 | 11/09/21 11:17  | LPS     | TAL SL       |
|     | 1      |         |        | 538449 | 11/24/21 13:16  | FLC     | TAL SL       |
|     | '      |         |        | 000770 | 11/2-1/21 10.10 | . LO    | INC OF       |

### **Client Sample ID: Lab Control Sample** Date Collected: N/A Date Received: N/A

| _         | Batch    | Batch  |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|----------|--------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 353.2  |     | 1      | 10 mL   | 10 mL  | 555476 | 11/11/21 10:55 | KJR     | TAL PEN |

### Client Sample ID: Lab Control Sample Dup Date Collected: N/A

Date Received: N/A

Date Collected: N/A Date Received: N/A

Prep Type

Total Recoverable

Total Recoverable

| _         | Batch    | Batch      |     | Dil    | Initial | Final  | Batch  | Prepared       |         |        |  |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|--------|--|
| Prep Type | Туре     | Method     | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab    |  |
| Total/NA  | Prep     | PrecSep-21 |     |        | 750 mL  | 1.0 g  | 535218 | 11/05/21 10:57 | BMP     | TAL SL |  |
| Total/NA  | Analysis | 903.0      |     | 1      |         |        | 539046 | 11/29/21 09:12 | MLK     | TAL SL |  |

### Client Sample ID: Lab Control Sample Dup Date Collected: N/A

**Date Received: N/A** 

| Prep Type | Batch<br>Type | Batch<br>Method | Run | Dil<br>Factor | Initial<br>Amount | Final<br>Amount | Batch<br>Number | Prepared<br>or Analyzed | Analvst | Lab    |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|-------------------------|---------|--------|
| Total/NA  | Prep          | PrecSep-21      |     |               | 750 mL            | 1.0 g           | 535638          | 11/09/21 10:24          | LPS     | TAL SL |
| Total/NA  | Analysis      | 903.0           |     | 1             |                   |                 | 539784          | 12/01/21 21:55          | FLC     | TAL SL |

### Client Sample ID: Lab Control Sample Dup

Date Collected: N/A **Date Received: N/A** 

|           | Batch    | Batch     |     | Dil    | Initial | Final  | Batch  | Prepared       |         |        |
|-----------|----------|-----------|-----|--------|---------|--------|--------|----------------|---------|--------|
| Prep Type | Туре     | Method    | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab    |
| Total/NA  | Prep     | PrecSep_0 |     |        | 750 mL  | 1.0 g  | 535642 | 11/09/21 11:17 | LPS     | TAL SL |
| Total/NA  | Analysis | 904.0     |     | 1      |         |        | 538449 | 11/24/21 13:16 | FLC     | TAL SL |

### **Client Sample ID: Lab Control Sample Dup**

Date Collected: N/A

**Date Received: N/A** 

|           | Batch    | Batch     |     | Dil    | Initial | Final  | Batch  | Prepared       |         |        |
|-----------|----------|-----------|-----|--------|---------|--------|--------|----------------|---------|--------|
| Prep Type | Туре     | Method    | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab    |
| Total/NA  | Prep     | PrecSep_0 |     |        | 1000 mL | 1.0 g  | 539795 | 12/02/21 08:56 | LPS     | TAL SL |
| Total/NA  | Analysis | 904.0     |     | 1      |         |        | 540651 | 12/07/21 13:44 | FLC     | TAL SL |

### Lab Sample ID: LCSD 160-539795/2-A Matrix: Water

| Date Collected:<br>Date Received:  | N/A   | ontrol Sample  | Dup |  |   |  |  | ample ID: LC  |  | atrix: Wate  |
|--|---|--|-----|--|---|--|--|---|--|--|
| _  | Batch   | Batch  |     | Dil  | Initial   | Final  | Batch  | Prepared  |  |  |
| Prep Type  | Туре  | Method   | Run | Factor   | Amount  | Amount   | Number   | or Analyzed   | Analyst  | Lab  |
| Total/NA   | Analysis  | 300.0  |     | 1  |   |  | 554758   | 11/05/21 14:45  | KIS  | TAL PEN  |
| Client Sampl<br>Date Collected:<br>Date Received:  | N/A   | ontrol Sample  | Dup |  |   |  | Lab S  | ample ID: LC  |  | <b>.554758/8</b><br>Natrix: Wat  |
| _  | Batch   | Batch  |     | Dil  | Initial   | Final  | Batch  | Prepared  |  |  |
| Prep Type  | Туре  | Method   | Run | Factor   | Amount  | Amount   | Number   | or Analyzed   | Analyst  | Lab  |
| Total/NA   | Analysis  | 300.0  |     | 1  |   |  | 554758   | 11/06/21 06:06  | KIS  | TAL PEN  |
| Client Sampl<br>Date Collected:<br>Date Received:  | N/A   | ontrol Sample  | Dup |  |   |  | Lab S  | ample ID: LC  |  | • <b>555020</b> /4<br>Natrix: Wat  |
|  | Batch   | Batch  |     | Dil  | Initial   | Final  | Batch  | Prepared  |  |  |
| Ргер Туре  | Туре  | Method   | Run | Factor   | Amount  | Amount   | Number   | or Analyzed   | Analyst  | Lab  |
| Total/NA   | Analysis  | 300.0  |     | 1  |   |  | 555020   | 11/09/21 06:33  | KIS  | TAL PEN  |
|  | N/A   | Batch  |     | Dil  | Initial   | Final  | Batch  | Prepared  | N  | latrix: Wat  |
| Prep Type<br>Total/NA  | N/A<br>Batch<br>Type<br>Analysis  | Batch<br>Method<br>300.0<br>ontrol Sample  | Run | Dil<br>Factor<br>1                                 | Initial<br>Amount   | Final<br>Amount  | Batch<br>Number<br>555020  | Prepared<br>or Analyzed<br>11/08/21 14:24<br>Sample ID:   | Analyst<br>KIS   | - Lab<br>TAL PEN   |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A   | Method<br>300.0  | Run | Factor   |   |  | Number<br>555020   | or Analyzed<br>11/08/21 14:24   | Analyst<br>KIS<br>MRL 400  | - Lab<br>TAL PEN<br><b>)-554452</b>  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A   | Method<br>300.0  | Run | Factor   |   |  | Number<br>555020   | or Analyzed<br>11/08/21 14:24   | Analyst<br>KIS<br>MRL 400  | - Lab<br>TAL PEN<br><b>)-554452</b>  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A<br>N/A  | Method<br>300.0<br>ontrol Sample   | Run | Factor<br>1  | Amount  | Amount   | - Number<br>555020   | or Analyzed<br>11/08/21 14:24<br>Sample ID:   | Analyst<br>KIS<br>MRL 400  | - Lab<br>TAL PEN<br><b>)-554452</b>  |
| Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:   | N/A<br>Batch<br>Type<br>Analysis<br>e ID: Lab Co<br>N/A<br>N/A<br>Batch   | Method<br>300.0<br>ontrol Sample<br>Batch  |     | Factor<br>1  | Amount  | Amount   | Aumber<br>555020<br>Lab<br>Batch   | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared   | Analyst<br>KIS<br>MRL 400  | - Lab<br>TAL PEN<br>D-554452<br>Matrix: Wat  |
| Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A   | Method<br>300.0<br>Ontrol Sample<br>Batch<br>Method  |     | Factor<br>1<br>Dil<br>Factor                       | Amount<br>Initial<br>Amount                               | Amount<br>Final<br>Amount                                      | Aumber<br>555020<br>Lab<br>Batch<br>Number<br>554452   | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed  | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400                        | - Lab<br>TAL PEN<br>)-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>)-554628  |
| Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Date Received:         Date Received:         Date Collected:         Date Collected:         Date Collected:         Date Collected:         Date Collected:  | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A   | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B   |     | Factor<br>1<br>Dil<br>Factor                       | Amount<br>Initial<br>Amount                               | Amount<br>Final<br>Amount                                      | Aumber<br>555020<br>Lab<br>Batch<br>Number<br>554452   | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57  | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400                        | - Lab<br>TAL PEN<br>)-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>)-554628  |
| Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Date Received:         Date Received:         Date Collected:         Date Collected:         Date Collected:         Date Collected:         Date Collected:  | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A N/A   | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample  |     | Factor<br>1<br>Dil<br>Factor<br>1                  | Amount<br>Initial<br>Amount<br>10 mL                      | Amount<br>Final<br>Amount<br>10 mL                             | Aumber<br>555020<br>Lab<br>Batch<br>Number<br>554452<br>Lab  | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57<br>Sample ID:  | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400                        | TAL PEN<br>D-554452<br>Matrix: Wat<br>Atrix: Wat   |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Date Collected:<br>Date Collected:<br>Date Received:  | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch N/A Batch   | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample<br>Batch   | Run | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil           | Amount<br>Initial<br>Amount<br>10 mL<br>Initial           | Amount<br>Final<br>Amount<br>10 mL<br>Final                    | <ul> <li>Number<br/>555020         Lab     </li> <li>Batch<br/>Number<br/>554452         Lab     </li> <li>Batch     <li>Batch</li> </li></ul>                                     | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57<br>Sample ID:<br>Prepared  | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400<br>M                   | - Lab<br>TAL PEN<br>D-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>D-554628<br>Matrix: Wat                                   |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Collected:<br>Prep Type   | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample<br>Batch<br>Method                                   | Run | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>Initial<br>Amount<br>10 mL<br>Initial<br>Amount | Amount<br>Final<br>Amount<br>10 mL<br>Final<br>Amount          | <ul> <li>Number</li> <li>555020</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554452</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554452</li> <li>554452</li> </ul> | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57<br>Sample ID:<br>Prepared<br>or Analyzed                                   | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400<br>M<br>Analyst<br>DEK | - Lab<br>TAL PEN<br>D-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>D-554628<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>- S54758/2 |
| Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected:         Date Collected:         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected:         Date Received:         Prep Type         Total/NA         Client Sampl         Date Collected: | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A E Batch Type Analysis e ID: Lab Co   | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample | Run | Factor       1       Dil       Factor       1      | Amount Initial Amount 10 mL Initial Amount 10 mL          | Amount<br>Final<br>Amount<br>10 mL<br>Final<br>Amount<br>10 mL | Number<br>555020<br>Lab<br>Batch<br>Number<br>554452<br>Lab<br>Batch<br>Number<br>554628<br>Lab  | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/04/21 13:08<br>Sample ID: M | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400<br>M<br>Analyst<br>DEK | - Lab<br>TAL PEN<br>D-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>D-554628<br>Matrix: Wat<br>- Lab<br>TAL PEN               |
| Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA<br>Client Sampl<br>Date Collected:<br>Date Received:<br>Prep Type<br>Total/NA  | N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A N/A Batch Type Analysis e ID: Lab Co N/A | Method<br>300.0<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B<br>ontrol Sample<br>Batch<br>Method<br>SM 4500 NO2 B                  | Run | Factor<br>1<br>Dil<br>Factor<br>1<br>Dil<br>Factor | Amount<br>Initial<br>Amount<br>10 mL<br>Initial<br>Amount | Amount<br>Final<br>Amount<br>10 mL<br>Final<br>Amount          | <ul> <li>Number</li> <li>555020</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554452</li> <li>Lab</li> <li>Batch</li> <li>Number</li> <li>554452</li> <li>554452</li> </ul> | or Analyzed<br>11/08/21 14:24<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/03/21 20:57<br>Sample ID:<br>Prepared<br>or Analyzed<br>11/04/21 13:08                 | Analyst<br>KIS<br>MRL 400<br>M<br>Analyst<br>DEK<br>MRL 400<br>M<br>Analyst<br>DEK | - Lab<br>TAL PEN<br>D-554452<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>D-554628<br>Matrix: Wat<br>- Lab<br>TAL PEN<br>- S54758/2 |

Total/NA

Total/NA

Analysis

Analysis

Nitrate by calc

SM 4500 F C

10

| Client Sampl<br>Date Collected:  |                | ontrol Sample   |     |        |         |        | Lab    | Sample ID: M   |          | -554758/8<br>/atrix: Wate |
|----------------------------------|----------------|-----------------|-----|--------|---------|--------|--------|----------------|----------|---------------------------|
| Date Received:                   | N/A            |                 |     |        |         |        |        |                |          |                           |
| _                                | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | 300.0           |     | 1      |         |        | 554758 | 11/06/21 06:56 | KIS      | TAL PEN                   |
| -                                |                |                 |     |        |         |        |        |                |          |                           |
| -                                |                | ontrol Sample   |     |        |         |        | Lab    | Sample ID: N   |          |                           |
| Date Collected:                  |                |                 |     |        |         |        |        |                | N        | latrix: Wat               |
| Date Received:                   | N/A            |                 |     |        |         |        |        |                |          |                           |
|                                  | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | 300.0           |     | 1      |         |        | 555020 | 11/09/21 07:22 | KIS      | TAL PEN                   |
| lient Sampl                      | e ID: Lab Co   | ontrol Sample   |     |        |         |        | Lab    | Sample ID:     | MRL 40   | 0-555020                  |
| Date Collected:                  |                |                 |     |        |         |        |        |                |          | Aatrix: Wat               |
| Date Received:                   | N/A            |                 |     |        |         |        |        |                |          |                           |
| _                                | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | - 300.0         |     | 1      | Amount  | Anount | 555020 | 11/08/21 15:14 | KIS      | TAL PEN                   |
|                                  | , analysis     |                 |     | · · ·  |         |        |        |                |          |                           |
| ate Received:                    | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | 353.2           |     | 1      | 10 mL   | 10 mL  | 555476 | 11/11/21 09:52 | KJR      | TAL PEN                   |
| -<br>Client Sampl                |                | D               |     |        |         |        |        | b Sample ID    | . 400 24 | 0572 1 M                  |
| Date Collected:                  |                |                 |     |        |         |        | La     |                |          | Atrix: Wat                |
| Date Conected:<br>Date Received: |                |                 |     |        |         |        |        |                | n        |                           |
| -                                |                | -               |     |        |         |        |        |                |          |                           |
|                                  | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  |                           |
| Total/NA                         | Analysis       | 353.2           |     | 2      | 10 mL   | 10 mL  | 554556 | 11/04/21 13:33 | KJR      | TAL PEN                   |
| Client Sampl                     | e ID: AC-25    | D               |     |        |         |        | Lab    | Sample ID: 4   | 400-210  | 573-1 MS                  |
| Date Collected:                  | 11/02/21 09:5  | 5               |     |        |         |        |        |                | N        | Aatrix: Wat               |
| Date Received:                   | 11/02/21 16:43 | 3               |     |        |         |        |        |                |          |                           |
| _                                | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | 353.2           |     | 2      | 10 mL   | 10 mL  | 554556 | 11/04/21 13:34 | KJR      | TAL PEN                   |
| _                                |                |                 |     |        |         |        |        |                |          |                           |
| Client Sampl                     |                |                 |     |        |         |        | La     | b Sample ID    |          |                           |
| Date Collected:                  |                |                 |     |        |         |        |        |                | N        | Aatrix: Wat               |
| Date Received:                   | 11/03/21 16:4  | 5               |     |        |         |        |        |                |          |                           |
|                                  | Batch          | Batch           |     | Dil    | Initial | Final  | Batch  | Prepared       |          |                           |
| Prep Type                        | Туре           | Method          | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst  | Lab                       |
| Total/NA                         | Analysis       | 300.0           |     | 10     | 10 mL   | 1.0 mL | 555020 | 11/09/21 17:22 | KIS      | TAL PEN                   |
| Total/NA                         | Analysis       | 353.2           |     | 5      | 10 mL   | 10 mL  | 554573 | 11/04/21 15:00 | KJR      | TAL PEN                   |
| Total/NIA                        | Analysis       | Nitroto by oplo |     |        |         |        | 555270 | 11/02/21 20:57 | DDC      |                           |

Eurofins TestAmerica, Pensacola

RRC

555270

555001

10 mL

11/03/21 20:57

11/08/21 11:45 KAK

10 mL

1

1

TAL PEN TAL PEN

### Lab Sample ID: 400-210662-1 MS

Lab Sample ID: 400-210662-1 MSD

Matrix: Water

## 5 10

Matrix: Water

**Client Sample ID: AC-12D** Date Collected: 11/03/21 10:58 Date Received: 11/03/21 16:45

|           | Batch    | Batch         |     | Dil    | Initial    | Final  | Batch  | Prepared       |         |         |
|-----------|----------|---------------|-----|--------|------------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре     | Method        | Run | Factor | Amount     | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | SM 4500 NO2 B |     | 1      | 10 mL      | 10 mL  | 554452 | 11/03/21 20:57 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21    |     |        | 1000.13 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0         |     | 1      |            |        | 542558 | 12/17/21 12:08 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0     |     |        | 1000.13 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0         |     | 1      |            |        | 539994 | 12/02/21 12:58 | FLC     | TAL SL  |

### **Client Sample ID: AC-12D** Date Collected: 11/03/21 10:58

### Date Received: 11/03/21 16:45

|           | Batch    | Batch           |     | Dil    | Initial   | Final  | Batch  | Prepared       |         |         |
|-----------|----------|-----------------|-----|--------|-----------|--------|--------|----------------|---------|---------|
| Prep Type | Туре     | Method          | Run | Factor | Amount    | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis | 300.0           |     | 10     | 10 mL     | 1.0 mL | 555020 | 11/09/21 18:36 | KIS     | TAL PEN |
| Total/NA  | Analysis | 353.2           |     | 5      | 10 mL     | 10 mL  | 554573 | 11/04/21 15:01 | KJR     | TAL PEN |
| Total/NA  | Analysis | Nitrate by calc |     | 1      |           |        | 555270 | 11/03/21 20:57 | RRC     | TAL PEN |
| Total/NA  | Analysis | SM 4500 F C     |     | 1      | 10 mL     | 10 mL  | 555001 | 11/08/21 11:49 | KAK     | TAL PEN |
| Total/NA  | Analysis | SM 4500 NO2 B   |     | 1      | 10 mL     | 10 mL  | 554452 | 11/03/21 20:57 | DEK     | TAL PEN |
| Total/NA  | Prep     | PrecSep-21      |     |        | 999.50 mL | 1.0 g  | 538437 | 11/24/21 09:32 | LPS     | TAL SL  |
| Total/NA  | Analysis | 903.0           |     | 1      |           |        | 542558 | 12/17/21 12:08 | FLC     | TAL SL  |
| Total/NA  | Prep     | PrecSep_0       |     |        | 999.50 mL | 1.0 g  | 538441 | 11/24/21 10:09 | LPS     | TAL SL  |
| Total/NA  | Analysis | 904.0           |     | 1      |           |        | 539995 | 12/02/21 12:50 | FLC     | TAL SL  |

### Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

### Client: AECOM Project/Site: Agrico Pensacola - Annual

| Method             | Method Description   | Protocol                    | Laboratory |
|--------------------|--|-----------------------------|------------|
| 300.0              | Anions, Ion Chromatography   | MCAWW                       | TAL PEN    |
| 6010C              | Metals (ICP)   | SW846                       | TAL PEN    |
| 353.2              | Nitrogen, Nitrate-Nitrite  | MCAWW                       | TAL PEN    |
| Nitrate by calc    | Nitrogen, Nitrate  | SM                          | TAL PEN    |
| SM 4500 F C        | Fluoride   | SM                          | TAL PEN    |
| SM 4500 NO2 B      | Nitrogen, Nitrite  | SM                          | TAL PEN    |
| 903.0              | Radium-226 (GFPC)  | EPA                         | TAL SL     |
| 904.0              | Radium-228 (GFPC)  | EPA                         | TAL SL     |
| 3005A              | Preparation, Total Recoverable or Dissolved Metals                               | SW846                       | TAL PEN    |
| PrecSep_0          | Preparation, Precipitate Separation  | None                        | TAL SL     |
| PrecSep-21         | Preparation, Precipitate Separation (21-Day In-Growth)                           | None                        | TAL SL     |
|                    |  |                             |            |
| Protocol Reference | ences:   |                             |            |
| EPA = US E         | invironmental Protection Agency  |                             |            |
| MCAWW =            | "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 198 | 3 And Subsequent Revisions. |            |

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001 TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

### Laboratory: Eurofins TestAmerica, Pensacola

The accreditations/certifications listed below are applicable to this report.

|   | <br>Authority | Program | Identification Number | Expiration Date |
|---|---------------|---------|-----------------------|-----------------|
| l | Florida       | NELAP   | E81010                | 06-30-22        |

### Laboratory: Eurofins TestAmerica, St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority                | Program                                    | Identification Number         | Expiration Date |
|--------------------------|--|-------------------------------|-----------------|
| Alaska (UST)             | State                                      | 20-001                        | 05-06-22        |
| ANAB                     | Dept. of Defense ELAP                      | L2305                         | 04-06-22        |
| ANAB                     | Dept. of Energy                            | L2305.01                      | 04-06-22        |
| ANAB                     | ISO/IEC 17025                              | L2305                         | 04-06-22        |
| Arizona                  | State                                      | AZ0813                        | 12-08-22        |
| California               | Los Angeles County Sanitation<br>Districts | 10259                         | 06-30-22        |
| California               | State                                      | 2886                          | 06-30-21 *      |
| Connecticut              | State                                      | PH-0241                       | 03-31-23        |
| Florida                  | NELAP                                      | E87689                        | 06-30-22        |
| HI - RadChem Recognition | State                                      | n/a                           | 06-30-22        |
| Illinois                 | NELAP                                      | 200023                        | 11-30-22        |
| lowa                     | State                                      | 373                           | 12-01-22        |
| Kansas                   | NELAP                                      | E-10236                       | 10-31-22        |
| Kentucky (DW)            | State                                      | KY90125                       | 01-01-22        |
| Kentucky (WW)            | State                                      | KY90125 (Permit<br>KY0004049) | 12-31-21        |
| _ouisiana                | NELAP                                      | 04080                         | 06-30-22        |
| ouisiana (DW)            | State                                      | LA011                         | 12-31-21        |
| Maryland                 | State                                      | 310                           | 09-30-22        |
| II - RadChem Recognition | State                                      | 9005                          | 06-30-22        |
| Missouri                 | State                                      | 780                           | 06-30-22        |
| Nevada                   | State                                      | MO000542020-1                 | 07-31-22        |
| New Jersey               | NELAP                                      | MO002                         | 06-30-22        |
| New York                 | NELAP                                      | 11616                         | 04-01-22        |
| North Dakota             | State                                      | R-207                         | 06-30-22        |
| NRC                      | NRC  | 24-24817-01                   | 12-31-22        |
| Oklahoma                 | State                                      | 9997                          | 08-31-22        |
| Dregon                   | NELAP                                      | 4157                          | 09-01-22        |
| Pennsylvania             | NELAP                                      | 68-00540                      | 03-01-22        |
| South Carolina           | State                                      | 85002001                      | 06-30-22        |
| Texas                    | NELAP                                      | T104704193                    | 07-31-22        |
| JS Fish & Wildlife       | US Federal Programs                        | 058448                        | 07-31-22        |
| JSDA                     | US Federal Programs                        | P330-17-00028                 | 03-11-23        |
| Utah                     | NELAP                                      | MO000542021-14                | 08-01-22        |
| Virginia                 | NELAP                                      | 10310                         | 06-14-22        |
| Washington               | State                                      | C592                          | 08-30-22        |
| West Virginia DEP        | State                                      | 381                           | 10-31-22        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

| 3355 McLemore Drive<br>Pensacola, FL 32514 |  |
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|  |  |
|  |  |

# **Chain of Custody Record**

🔅 eurofins Environment Testing America

| Client Information                                     |                                   | Y          |                                       | Savoie  | , Noel                                |                              |  |                    | 3                | amer Ira                             | Carrier Tracking No(s): |                                    | COC No:<br>680-130232-32401  | 2401.2  |
|--|-----------------------------------|------------|---------------------------------------|---|---------------------------------------|------------------------------|--|--------------------|------------------|--------------------------------------|-------------------------|------------------------------------|--|---|
| client contact<br>Ms. Arry Mixon                       | Phone: 528-6                      | 2668-      |                                       | E-Mait:<br>Noel.S   | E-Mail:<br>Noel.Savoie@Eurofinset.com | urofinse                     | t com                                      |                    | ы<br>М           | State of Origin.                     | gin:                    |                                    | Page:  |   |
| Company:<br>AECOM                                      |                                   |            | PWSID:                                |   |                                       |                              |  |                    |                  |                                      |                         |                                    | Job #:   |   |
| Address:<br>1625 Summit Lake Drive Suite 200           | Due Date Requested:               |            |                                       |   |                                       |                              |  | Analysis Kequested | Nedu             | ested                                |                         |                                    | Preservation Codes   | todes:  |
| City.<br>Tallahassee                                   | TAT Requested (days):             | s):        |                                       |   |                                       | 0.                           |  |                    |                  |                                      |                         |                                    | A - HCL<br>B - NaOH  | M - Hexane<br>N - None                          |
| state, Zp:<br>FL, 32317                                | Compliance Project:               | A Yes A No | No                                    |   |                                       | 906 po                       |  |                    |                  |                                      |                         |                                    | C - Zn Acetate<br>D - Nitric Acid<br>F - NaHSO4  | 0 - AsNaO2<br>P - Na2O4S<br>O - Na2O4S          |
| Phone:<br>850-465-3886(Tel)                            | Po #:<br>Purchase Order Requested | Requested  |                                       |   |                                       |                              |  |                    |                  |                                      |                         |                                    | F - MeOH<br>G - Amchlor  |   |
| Email:<br>amy.mixon@aecom.com                          | WO #:<br>60618051.1               |            |                                       |   |                                       |                              |  | •                  |                  |                                      |                         |                                    | H - Ascorbic Acid<br>I - Ice<br>I - DI Water   |   |
| Project Name:<br>Agrico Pensacola                      | Project #:<br>68017183            |            |                                       |   | N SB 6                                |                              |  | l 26 eti           |                  |                                      |                         |                                    | K - EDTA<br>L - EDA  | v - mccoor<br>W - pH 4-5<br>Z - other (specify) |
| SHE AGVICO   | SSOW#:                            |            |                                       |   | ashaiN -                              |                              |  | ate Nitr           |                  |                                      |                         |                                    | Other:   |   |
| Cample Identification                                  | Sample Date                       | Sample (   | Sample<br>Type<br>(C=comp,<br>G=grab) | Matrix<br>(www.<br>s=eodd,<br>O=wastakoli,<br>BT=Tasue, A=Ar) | 8 4500 NO2 B                          | 300_ORGFM_280<br>SUBCONTRACT | TOARTNOOBUR                                | 353.2_Pres - Nitra | 4200 E.C - Fluor | 353.2_Pres - Nitro<br>SM4500_NO2_B - |                         |                                    | Snerial  | Snarisi Instructions (Mode                      |
| AC-250   | 11:05:01                          | DAGS       | G                                     | M   | 7                                     |                              | 2 7  |                    |                  | 7                                    |                         |                                    | 38.8   |   |
| AC-351   | 12.20.11                          | 1001       | Ł                                     | N   | ~ ~                                   | 47                           | 4 7  | 4 7                |                  | 42                                   |                         | +                                  | ĺ.   |   |
| AC-2D  | 12.20.11                          | 1515       | 0                                     | ß   | ×                                     | - 7                          |  | • >                |                  | < 7                                  |                         |                                    |  |   |
| AC-2S  | 11.02.21                          | 1955       | Gr (                                  | ß   | $\times$                              | X                            | 1  |                    |                  | K                                    |                         | 4                                  | 400-210573 COC   |   |
| DUP-1  | 1102,2)                           |            | 6                                     | Ŵ   | $\prec$                               | XX                           | X  | X                  | IZ               | X                                    |                         |                                    |  |   |
|  |                                   |            |                                       |   |                                       |                              |  |                    |                  |                                      |                         |                                    | Π  |   |
|  |                                   |            |                                       |   |                                       |                              |  |                    |                  |                                      |                         |                                    | I  |   |
|  |                                   |            |                                       |   |                                       |                              |  |                    |                  |                                      |                         |                                    |  |   |
|  |                                   |            |                                       |   |                                       |                              |  |                    |                  | -                                    | +                       |                                    |  |   |
|  |                                   |            |                                       |   |                                       |                              |  | -                  |                  |                                      |                         |                                    |  |   |
| ant  | Poison B Unknown                  |            | Radiological                          |   | Sample                                | Dispo:                       | le Disposal ( A for<br>Return To Client    | ee may             | be ass           | assessed if san<br>Disposal Bv Lab   | if samply<br>v Lab      | is are retai                       | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mont | 1 month)<br>Months                              |
| Deliver able requested: 1, 11, 11, 1V, Other (specify) |                                   |            |                                       |   | Special                               | Instruct                     | Special Instructions/QC Requirements.      | Requir             | ements           |                                      |                         |                                    |  | 2 million                                       |
| Empty Kit Kelinquished by:                             |                                   | Date:      |                                       |   | Time:                                 |                              |  |                    |                  | Methr                                | Method of Shipment:     | ent:                               |  |   |
| NUV T UN<br>Reinquished by:                            | Date/Time:                        | 11         | e43                                   | Company<br>Company  | Rece                                  | Repaived by:                 | T  | g                  | Les 1            |                                      | Date                    | Date/Time:<br>11-2-2<br>Date/Time: | 21 1643  |   |
| Relinquished by:                                       | Date/Time:                        |            |                                       | Company   | Rece                                  | Received hv                  |  |                    |                  | ,                                    |                         |                                    |  | company   |
| Custody Seals Intact: Custody Seal No.                 |                                   |            |                                       |   |                                       | · for point                  |  |                    |                  |                                      | nate                    | Ime:                               |  | Company   |
| A Yes A No   |                                   |            |                                       |   | Coo                                   | of Tempo                     | Cooke Temperature(s) °C and Other Remarks: | C and Ot           | her Rema         | rics:                                | 1                       | 10                                 | - 01.  |   |

| International         Internat  | Particle  | Production         Product  |   | Chain of Custody Record           | ody Record  | Curofins Environment Testing                     |
|---|--|--|---|-----------------------------------|---|--|
| Program         Program <t< th=""><th>Party Contract C</th><th>Image: Difference         Test         Test<th>Client Information</th><th></th><th></th><th>COC No:</th></th></t<> | Party Contract C  | Image: Difference         Test         Test <th>Client Information</th> <th></th> <th></th> <th>COC No:</th>  | Client Information                      |                                   |   | COC No:  |
| Interface         Interface <t< th=""><th>Instal         Instal         Antiolic Method         Optimized Method         Antiolic Method         Antiolic Method           Diversition         Diversition</th><th>International         International         Internat</th><th>Client Contact<br/>MS. Amy Mixon</th><th>526-</th><th></th><th>2.10225-32401.2<br/>Page:<br/>Page:</th></t<>  | Instal         Instal         Antiolic Method         Optimized Method         Antiolic Method         Antiolic Method           Diversition   | International         Internat   | Client Contact<br>MS. Amy Mixon         | 526-                              |   | 2.10225-32401.2<br>Page:<br>Page:                |
| Опон         State and Logic         Contract Reserved diversion         Percentitation           International         International         International         International         International           International   | Other Sulting Column         During the structure         During the structure         Province of the structure         Proveristof the structure         Proverise of the  | Опе. Solue 200         Out of Reference         Out of Reference         And Responses   | Company:<br>AECOM                       |                                   | Analysis Revinee  | 400-210662 COC Job #:                            |
| Internal (and item)   | Internation  | Interest (dot)         Interest (dot)           Common Properties         Common Properite         Common Propertie  | ess:<br>5 Summit Lake Drive             | Due Date Requested:               |   |  |
| Construction         Construction         Construction         Construction         Construction           Construction  | Солгание         Солгание Полент.  | Contraction         Contraction <thcontraction< th=""> <thcontraction< th=""></thcontraction<></thcontraction<>  | City:<br>Tallahasee                     | TAT Requested (days):             |   |  |
| Diameter   | (Te)     Production     Contract of the Production of the Productio  | Production     Production       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)       Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Contraction     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)     Environment<br>(Contraction)       Environment     Environment     Environment     Environment     Environment     Environment       Environment     Environment     Environment     Environment     Environment  | State, .4p:<br>FL, 32317                | Compilance Project: Δ Yes Δ No    |   |  |
| Optimization         Optimization<  | Local         Doi:10.1         Doi:10.1         House         House         House           Co         Разлий         Bandia         Annial         Annial         House   | Note     Note     Note     Note     Note       Col     230000     20000     20000     20000     20000     20000       Col     20000     20000     20000     20000     20000     200000       Col     20000 </td <td>Phone:<br/>850-465-3886(Tel)</td> <td>Po#:<br/>Purchase Order Requested</td> <td>rtseM A</td> <td></td>  | Phone:<br>850-465-3886(Tel)             | Po#:<br>Purchase Order Requested  | rtseM A   |  |
|   | Optimits     Bonding       (C)     (C)     (C)       (D)     (C)     (C)   | Condition     Entropy of the second of the sec   | Email:<br>amy.mixon@aecom.com           | WO #<br>60618051.1                | 4<br>pλ Eb'   | H - Ascorbic Acid<br>I - Ice                     |
| Current Ling     Store       Current Ling     Sampio Das     Sampio Das     Sampio Ling     Matrix       Current Ling     Sampio Das     Sampio Das     Sampio Ling     Matrix       Current Ling     Sampio Das     Sampio Das     Sampio Das     Sampio Das     Sampio Das       Current Ling     Sampio Das     Sampio Das     Sampio Das     Sampio Das     Sampio Das     Sampio Das       Current Ling     Sampio Das     Sampio Da   | Configuration     Stanple     Stanple     Mathia     Stanple     Mathia     Stanple     Mathia     Mathia       Configuration     Sample  | Contribution       Sample Dia       Sample Dia<   | Project Name:<br>Agrico Pensacola       | Project #:<br>68017183            | ns ebha<br>822 mi<br>825 mi<br>825 mi   | u - DI Water<br>K - EDTA<br>L - EDA              |
| AC-RU         Sample Date         Time         Sample Date         Time         Sample Matrix         Time         Sample Matrix  | Meterion     Sample Matrix<br>Type     Sample Matrix<br>Waves     Sample Matrix<br>Matrix     Sample Matrix<br>Matrix     Sample Matrix<br>Matrix     Sample Matrix     Sample Matrix       MC-ULU     III 05/21     III   | All     Sample Date     Sample Date<   | sie: Aginco, Pansacela, R               | :#MOSS                            | - Chid<br>- Radiu<br>- Radiu<br>ide   | Other:   |
| ACULU       1032       1058       C       W       N <th< td=""><td>Cut U       III 0321       1058       Cut W       1071       1073       61       <th61< th="">       61       61       <th6< td=""><td>C-LU       1032       053       C       W       N</td><td>Sample Identification</td><td>Sample<br/>Type<br/>Sample (C=comp.</td><td>м4600_И02_В<br/>0_ОRGFM_281<br/>IBCONTRACT<br/>IBCONTRACT<br/>19C - Arsenic<br/>3.2.Pres - Mitri<br/>3.2.Pres - Mitri<br/>3.2.Pres - Hiuor</td><td>- g<sup>-</sup>zoh<sup>-0099</sup></td></th6<></th61<></td></th<>   | Cut U       III 0321       1058       Cut W       1071       1073       61 <th61< th="">       61       61       <th6< td=""><td>C-LU       1032       053       C       W       N</td><td>Sample Identification</td><td>Sample<br/>Type<br/>Sample (C=comp.</td><td>м4600_И02_В<br/>0_ОRGFM_281<br/>IBCONTRACT<br/>IBCONTRACT<br/>19C - Arsenic<br/>3.2.Pres - Mitri<br/>3.2.Pres - Mitri<br/>3.2.Pres - Hiuor</td><td>- g<sup>-</sup>zoh<sup>-0099</sup></td></th6<></th61<>  | C-LU       1032       053       C       W       N  | Sample Identification                   | Sample<br>Type<br>Sample (C=comp. | м4600_И02_В<br>0_ОRGFM_281<br>IBCONTRACT<br>IBCONTRACT<br>19C - Arsenic<br>3.2.Pres - Mitri<br>3.2.Pres - Mitri<br>3.2.Pres - Hiuor   | - g <sup>-</sup> zoh <sup>-0099</sup>            |
| AC-120       II 0521       0535       C-1W       Y W YY       Y W YY       MS/MS         AC-240       II 0521       0335       C-1W       Y X X       X X       X X       N N/W         AC-240       II 0531       0335       C-1W       Y X X       X X       X X       N N/W       N N/W         AC-240       II 0531       1339       G       W       Y X X       X X       N N/W       N N/W         AC-240       II 0531       1339       G       W       Y X X       X X       N N/W       N N/W         AC-240       II 0531       1339       G       W       Y X X       X X       N N/W       N N/W         AC-240       II 0531       1339       G       W       Y X X       X X       N N/W       N N/W         AC-240       II 0531       1339       G       W       N N/W  | AC-120       II.0321       0532       G-1W       IX N        | AC-120       II 0521       I0523       C= W       IX X       XX X       MS MSK         AC-24D       II 0521       01323       C= W       X X       X X       X X       N MS MSK         AC-24D       II 0521       01323       C= W       X X       X X       X X       N MS MSK         AC-24D       II 0521       13301       G= W       X X       X X       X X       N MS MSK         AC-34D       II 0521       13301       G= W       X X       X X       X X       N MS MSK         AC-34D       II 0521       13301       G= W       X X       X X       X X       N MS MSK         AC-34D       II 0523       13301       G= W       X X       X X       X X       N MS MSK         ACOUNT       II 0530       G       W       X X       X X       X X       N MS MSK         ard formitteriton       Internation       Internation       Internation       Internation       Internation         aread       III 05000       III 05000       Internation       Internation       Internation       Internation         aread       III 05000       III 05000       Internation       Internation       Internation       Internation   |   | Time G=grab)                      | 097<br>296<br>109<br>109<br>105<br>106<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8 |  |
| I.C.JJD       II.0521       M33       G- W       X X X       X X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X       M X X        | C.C.3.D       II.03.21       (193.2)       C.G.2.W       Y.V.Y.Y.N       Y.V.Y.Y.N       M.D. M.L.         AC-2.MD       II.03.21       IV.93.21       (195.8)       C.G. M.       Y.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X.X   | I.C. 23     II. 03.1     03.3     G-     W     V<  | AC-12D                                  | ) 80-01                           | VU I XX XX XX I VV  | MAC AACK   |
| HC24D       II.032I       IUS8       C.       W       X X X   | HC24D       II.0321       IVS8       C       W       X   | H.C.24D       II.0321       USS  | Ac-135                                  | 0133                              |   | Metal CLAT                                       |
| MC-2010       II.03-21       I.33/4       C       M       K   | KC-200     II.03.21     I33.01     C     W     X<  | MC-200       II.03.21       I33.01       G.       W       Y       X  | AC-24D                                  | 1458 0                            | N XXX XXXX V  |  |
| ard Identification area I dentification area I dent  | ard     Flammable     Skin firitiant     Date     Date     Date       ard     Flammable     Skin firitiant     Date     Date     Date     Date       ard     Flammable     Skin firitiant     Date     Date     Date     Date       firitiant     Date     Date     Time     Date     Date     Date       firitiant     Date     Date     Date     Date     Date     Date       date     Company     Realined br.     Secal alteructions/CC Requirements:     Date     Date       date     Date     Date     Date     Date     Date     Date       date     Date     Date     Realised br.     Date     Date     Date       date     Date     Date     Realised br.     Date     Date     Date       date     Date     Date     Date     Date     Date     Date       date     Date     Date     Date     Date     Date     Date       date     Date     Date     Date     Date     Date     Date  | ard Identification<br>and Id | AC-291D                                 | 12301 (                           | V X X X X   |  |
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| and     Trainmable     Skin Intrant     Poison B     Unknown     Radiological     Return To Client     Disposal By Lab     Archive For       equested: 1, III, N, Other (specify)     inquished by:     pate:     pate:     pate:     Item     Archive For       inquished by:     inquished by:     pate:     Item     Item     Item     Item       ULAD     Pate/Inne:     Date:     Item     Item     Pate/Inne:     Item       ULAD     Reeewed by:     Reeewed by:     Reeewed by:     Received by:     Date/Inne:     Item       Is in tact:     Custody Seal No:     DeterTime:     Company     Received by:     Date/Time:     Date/Time:   | and     Trainmable     Skin Imant     Poison B     Unknown     Radiological     Return To Client     Disposal By Lab     Archive For       equested: 1, III, N, Other (specify)     pate:     pate:     pate:     Time:     Method of Shipment:       inquished by:     pate:     pate:     ILU     Other (specify)     Reepived by:     Method of Shipment:       ULDON     pate/Time:     Date:     Colorative Dot     Reepived by:     Note:     Pate/Time:       ULDON     pate/Time:     company     Received by:     Colorative Dot     Pate/Time:     ILUYS       ULDON     pate/Time:     company     Received by:     Colorative Dot     Pate/Time:     ILUYS       ULDON     pate/Time:     company     Received by:     Date/Time:     Date/Time:     ILUYS       Aloo     consary     Received by:     Consary     Received by:     Date/Time:     ILUYS   | and     Trainmant     Poson B     Unknown     Radiological     Return To Client     Disposal By Lab       equested: I, III, IV, Other (specify)     Special Instructions/OC Requirements:     Special Instructions/OC Requirements:       inquished by:     Date:     Date:     IIII B     Company       Readion of Shipment:     Date:     Date:     IIII B       Check of Shipment:     Date:     Date:     IIII B       Check of Shipment:     Date:     Company     Read/or Shipment:       Date:Time:     Date:Time:     Date:Time:     Date:Time:       Date:Time:     Date:Time:     Date:Time:     Date:Time:       A No     Custody Seal No:     Date:Time:     Date:Time:  |   |                                   | Sample Disposal ( A fee maybe asses   | sed if samples are retained longer than 1 month) |
| Inquished by: Date: Time: Method of Shipment: Date/Time: Date/T  | Inquished by:<br>Date: Time: Time: Method of Shipment:<br>DeterTime: DeterTime: D   | Inquished by:       Inquished by:     Date:     Time:     Method of Shipment:       UPDO     Pare/Ture:     Company     Received by:     Date/Time:       Date/Time:     Date/Time:     Company     Received by:     Date/Time:       als Intact:     Custody Seal No:     Company     Received by:     Date/Time:   | ant                                     | Unknown                           | Rectal Instructions/QC Requirements:  | sal By Lab Archive For Months                    |
| LEW     Pate/Time:     Lut U     Cologue/CM     Resolved br:     Date/Time:       Date/Time:     Date/Time:     Company     Received br:     Date/Time:     Date/Time:       Date/Time:     Company     Received br:     Date/Time:     Date/Time:       II-3.31     Lucy     Received br:     Date/Time:     Date/Time:       II-3.41     Lucy     Received br:     Date/Time:       II-3.43     Lucy     Received br:     Date/Time:  | CLEDN     Pate/Time:     Light     Cologan/Degree by:       Date/Time:     Date/Time:     Date/Time:     Date/Time:       Date/Time:     Company     Received by:     Date/Time:       A No     A No     Cooler Tempereture(s) °C and Other Remerks:     C  | CLEAN     Pare/Time:     LLLUS     Company     Received br:     Date/Time:       Date/Time:     Date/Time:     Company     Received br:     Date/Time:     Date/Time:       als Intact:     Custody Seal No:     Date/Time:     Company     Received br:     Date/Time:       A No     A No     Contraction     Contraction     Contraction     Contraction     Date/Time:   | Empty Kit Relinquished by:              | Date:                             |   | Method of Shinment                               |
| Date/Time:     Date/Time:     Date/Time:     Date/Time:     Date/Time:       Date/Time:     Date/Time:     Company     Received by:     Date/Time:       als Intact:     Custody Seal No.:     Date/Time:     Date/Time:  | Date/Time:     Date/Time:     Date/Time:     Date/Time:     Dete/Time:       Date/Time:     Date/Time:     Company     Received by:     Date/Time:       Date/Time:     Date/Time:     Company     Received by:     Date/Time:       Date/Time:     Company     Received by:     Date/Time:     Date/Time:   | als Intact:     Custody Seal No.:     Date/Time:     Company     Pate/Time:     Date/Time:       A No     No     Cooler Tempereture(s) °C and Other Remarks:   | Religious of the Ann                    | 201 1.40                          | NICH Reserved by A A A  |  |
| Date/Time:     Date/Time:       als Intact:     Custody Seal No.:   | als Intact: Custody Seal No.: Date/Time: Company Received by: Date/Time: A No  | als Intact: Custody Seal No.: Date/Time: Company Received by: Date/Time: Date/Time: A No   | Relindushed by:                         | ine:                              | Received by:  | <101 1×  |
| Cooler Tempersture(s) °C and Other Remarks: 1/3 . 5/  | Cooler Temperature(s)°C and Other Remarks:   | Cooler Temperature(s) <sup>4</sup> C and Other Remarks: T. 2 <sup>2</sup> C. 5.5 C. X.   | Relinquished by:                        |                                   |   |  |
|   |  | A S S S S S S S S S S S S S S S S S S S  | Custody Seals Intact: Custody Seal No.: |                                   | Cooler Tempersture(s) "C and Other Remarks"   | 1.9  |

| on Structure Suite 200 Prone: KGO<br>Drive Suite 200 Due Date Requested (day<br>TAT Requested (day<br>TAT Requested (day<br>Compliance Project:<br>Poort:<br>Poort:<br>B0017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B017183<br>B01717183<br>B0171717<br>B0171717170<br>B0171717170<br>B01717170<br>B01717170<br>B01717170<br>B0 | -CJ2&SUC         | Lab PM:<br>Savoie, Noel |  | C  | C.S.S.S.                  |   |   |
|--|------------------|-------------------------|--|--|---------------------------|---|---|
| te Drive Suite 200<br>en com<br>om.com<br>etion  | The second       |                         | oel  | 8  |                           | COC No:<br>680-130232-32401 2   | 401.2   |
| ke Drive Suite 200<br>el)<br>om.com<br>a<br>REVISOURD<br>R   |                  | S E-Mail:<br>Noel.Sav   | E-Mail:<br>Noel.Savoie@Eurofinset.com  | Sta  |                           | Page:<br>Page:<br>Page 2 of 2   | 710   |
| ke Drive Suite 200   |                  |                         | Anal   | Analvsis Renne 4                                       | 400-210714 COC            | 4 00 # 40 P   |   |
| a)<br>om.com<br>PENSOLACI<br>A   |                  |                         |  |  |                           | Preservation Codes:   | des:  |
| al)<br>om.com<br>PENSOLOGE PC<br>ation   | ä                |                         |  |  |                           |   | M - Hexane<br>N - None                        |
| al<br>PEVISOURAL   | Δ Yes Δ No       |                         |  |  |                           | C - Zn Acetate<br>D - Nitric Acid   | 0 - AsNaO2<br>P - Na2O4S                      |
| om.com<br>Revisioned R.  | equested         |                         | Metho  |  |                           |   | Q - Na2SO3<br>R - Na2S2O3<br>S - H2SO4        |
| Project #<br>Rensounded PC \$5000#<br>action Sample Date   |                  |                         | ph Eb/   | estistik   |                           | Acid  | T - TSP Dodecahydratu<br>U - Acetone          |
| PENSOURCE PC ssow#   |                  |                         | na ebhc<br>822 mi  | 4-etsutil  |                           | u - UI water<br>K - EDTA<br>L - EDA   | V - MCAA<br>W - pH 4-5<br>Z - other (specify) |
| ation Sample Date  |                  |                         | nibsЯ -<br>ola - Chic  | abi<br>M ,nego   | 18307                     | Other:  |   |
| 11.04.21   | Sample C=comp,   |                         | м4600_ИО2_В<br>0_ОRGFM_281<br>1BCONTRACT<br>1BCONTRACT<br>10C - Arsenic              | 3.2_Pres - Nitra<br>00_F_C - Fluor<br>3.2_Pres - Nitra |                           |   |   |
| 17:40:11   |                  | BT=These, A-AF          |  | 32<br>42<br>32   |                           | Special In  | Special Instructions/Note:                    |
|  | 101 G            | N                       | イメイメ   | $(\chi \chi \chi)$                                     | X                         |   |   |
| 17:h0:11 SIC-0   |                  | 3                       |  | X  |                           |   |   |
| EQ-1 (1.04.21)   | 338 G            | 3                       | XXXX   | メメメ  |                           |   |   |
|  |                  |                         |  |  |                           |   |   |
|  | _                |                         |  |  |                           |   |   |
|  |                  |                         |  |  |                           | ( OF PASS   |   |
|  |                  |                         |  |  |                           | Isonati   |   |
|  |                  |                         |  |  |                           | Distance in the second s |   |
|  |                  |                         |  |  |                           |   |   |
|  |                  |                         |  |  |                           | Harris I  |   |
| Registible Hazard Identification<br>Non-Hazard Elammable Skin Irritant Polson B Unknown  | n 🗌 Radiolonical |                         | Sample Disposal ( A fee may helassessed if samples are retained longer than 1 month) | may he assess  | ed if samples are re      | stained longer than 1   | month)  |
| , III, IV, Other (specify)   |                  |                         | Special Instructions/QC Requirements:  | equirements:   | uisposai By Lab<br>lents: | Archive For   | Months  |
| nquished by:   | Date:            | Time:                   |  | W  | Method of Shipment:       |   |   |
| Relinquished by: Date Time:  | 1700             | Company                 | Received by:<br>Received by:   | Caurt  | Date/Time:                | POC.1 12.   | Company                                       |
| Relinquished by: Date/Time:  |                  | Company                 | Received by:   |  | Date/Time:                |   | Company                                       |
| Custody Seals Intact: Custody Seal No.:  |                  |                         | Cooler Temperature(s) °C and Other Remarks:  | nd Other Remarks:                                      | 2000                      | 1   |   |

Eurofins TestAmerica, Pensacola 3355 McLemore Drive

**Chain of Custody Record** 



| Pensacola, FL 32514<br>Phone: 850-474-1001 Fax: 850-478-2671   |  |  |  |  |                          |  |   |  |                     |                      |  | MILEUCO  |
|--|--|--|--|--|--------------------------|--|---|--|---------------------|----------------------|--|--|
| Client Information (Sub Contract Lab)  | Sampler:   |  |  | Lab PM:<br>Savoie, Noel  | , Noel                   |  |   | Carrier Tracking No(s):  | king No(s):         | COC No:<br>400-28    | COC No:<br>400-280435.1                                  |  |
| Client Contact:<br>Shipping/Receiving  | Phone:   |  |  | E-Mait:<br>Noel.S  | avoie@I                  | E-Mait:<br>Noel.Savoie@Eurofinset.com      | t.com   | State of Origin:<br>Florida  | jin:                | Page:<br>Page        | Page:<br>Page 1 of 1                                     |  |
| Company:<br>TestAmerica Laboratories, Inc.   |  |  |  | ٩Z   | ccreditation<br>ELAP - F | ns Required<br>Florida                     | Accreditations Required (See note):<br>NELAP - Florida        |  |                     | 40L                  | Job #:<br>400-210573-1                                   |  |
| Address:<br>13715 Rider Trail North,   | Due Date Requested:<br>11/30/2021  | :pa  |  |  |                          |  | Analys  | Analysis Requested   |                     | Pres                 |  | les:   |
| City.<br>Earth City<br>State: Zio:   | TAT Requested (days)   | ays):  |  |  |                          |  |   |  |                     |                      | A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid | M - Hexane<br>N - None<br>O - AsNaO2<br>P - Ma2O4S   |
| MO, 63045<br>Phone   | # Od   |  |  | Γ  |                          |  |   |  |                     | . Z 2 4              |  | Q - Na2SO3<br>R - Na2S2O3<br>S - H7SO4               |
| 314-298-8566(Tel) 314-298-8757(Fax)  | -# C/M   |  |  |  | 1000                     | _  |   |  |                     |                      |  | T - TSP Dodecahydrate                                |
| C.H.GH.  | WO#:   |  |  | 10 8   | (ON                      | _  |   |  |                     |                      | I - Ice<br>J - DI Water                                  | U - Acetone<br>V - MCAA                              |
| Project Name:<br>Agrico Pensacola - Annual   | Project #:<br>68017183   |  |  |  | 10 50                    |  |   |  |                     |                      | K - EDTA<br>L - EDA                                      | W - pH 4-5<br>Z - other (specify)                    |
| Site:  | :#MOSS   |  |  |  | N as                     |  |   |  |                     | of cor               | ÷  |  |
| Samole Identification - Client ID (Lab ID)   | Samole Date  | Sample<br>Time                                   | Sample<br>Type<br>(C=comp,                                 | Matrix<br>(Wowater,<br>S=polici,<br>Oeverate/off,<br>Hitter of the | M/SM monec               | q925914\0. <b>40</b>                       |   |  |                     | nedmu <b>N (s)</b> o | Coord<br>Initial   |  |
|  | X  | X  |  |  | X                        | -  |   |  |                     |                      |  | au deutori si vole.                                  |
| AC-25D (400-210573-1)  | 11/2/21  | 09:55<br>Factorn                                 |  | Water  | ×                        | ×  |   |  | -                   | 2                    |  |  |
| AC-35D (400-210573-2)  | 11/2/21  | 11:09<br>Eastern                                 |  | Water  | ×                        | ×  |   |  |                     | 2                    |  |  |
| AC-2D (400-210573-3)   | 11/2/21  | 15:15<br>Eastern                                 |  | Water  | ×                        | ×  |   |  |                     | 2                    |  |  |
| AC-2S (400-210573-4)   | 11/2/21  | 15:55<br>Eastern                                 |  | Water  | ×                        | ×  |   |  |                     | 2                    |  |  |
| DUP-1 (400-210573-5)   | 11/2/21  | Eastern  |  | Water  | ×                        | ×  |   |  |                     | 2                    |  |  |
|  |  |  |  |  |                          |  |   |  |                     |                      |  |  |
|  |  |  |  |  |                          |  |   |  | _                   |                      |  |  |
|  |  |  |  |  |                          |  |   |  |                     |                      |  |  |
| Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysistests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica. | merica places the owners<br>atrix being analyzed, the<br>at to date, return the sign | hip of method,<br>samples must<br>ed Chain of Cu | analyte & accred<br>be shipped back<br>ustody attesting to | litation complia<br>to the Eurofins<br>said complica               | TestAmer<br>To Eur       | out subcont<br>ica laborato<br>ofins TestA | tract laboratoria   | S. This sample shipme<br>ructions will be provide                                    | ent is forwarded    | I under chain-of-c   | custody. If the I  | laboratory does not curren<br>be brought to Eurofins |
| Possible Hazard Identification   |  |  |  |  | Sampl                    | e Dispos                                   | sal ( A fee n   | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) | f samples a         | re retained lo       | nger than 1  | month)   |
| Unconfirmed<br>Deliverable Requested: I, II, IV, Other (specify)   | Primary Deliverable  | Rank:  | 2  |  | Special L                | Return To Client<br>al Instructions/OC     | Return To Client Disp<br>Special Instructions/OC Requirements | Disposal By Lab  | Lab                 | Archive For          | or   | Months   |
|  |  |  |  |  |                          |  |   | . 1  |                     |                      |  |  |
| Empty Kit Relinquished by:   |  | Date:  |  | ٦  | Time:                    |  |   | Method   | Method of Shipment: |                      |  |  |
| Reinquistred by:<br>Belinnisted by:  | Date/Time:   | 12.  | 1500   | Company  | Rec                      | Received by:                               | E   | 5  | Date/Time:          |                      |  | Company  |
|  | Udic(1)1110.   |  | 20   | company  | ла<br>Х                  | Keceived by:                               | Mitture   | alu  |                     | 1602 7 0             | 1 855  |  |
| - I  | Date/Time:   |  | <u>ů</u>   | Company  | Rec                      | Received by:                               | Autumn  |  | Date/Time           |                      |  | Company  |
| Custody Seals Intact: Custody Seal No.:<br>∆ Yes ∆ No  |  |  |  |  | Š                        | oler Temper                                | rature(s) °C an   | Cooler Temperature(s) °C and Other Remarks:  |                     |                      |  |  |

13

Ver: 06/08/2021

| Pensa                 |                    |
|-----------------------|--------------------|
| curofins TestAmerica, | 335 MCLEMORE URIVE |

**Chain of Custody Record** 



🐝 eurofins Environment Testing America

| Client Information (Sub Contract Lab)  | Sampler:   |  |   | Lab PM:<br>Savoie  | Lab PM:<br>Savoie, Noel               |                                    |  |                               | Carrier Tr                           | Carrier Tracking No(s):        |                             | COC No:<br>400-280534.1  | -  |
|--|--|--|---|--|---------------------------------------|------------------------------------|--|-------------------------------|--------------------------------------|--------------------------------|-----------------------------|--|--|
|  | Phone:   |  |   | E-Mail   | l.                                    |                                    | E-Mail:<br>Nool Servic@Erroff.com          |                               | State of Origin:                     | rigin:                         |                             | Page:  |  |
| Company:<br>Company:<br>TestAmerica I aboratorias I no   | _  |  |   | 202  | Accreditat                            | tions Re                           | Accreditations Required (See note)         | ite):                         |                                      |                                |                             | Job #:   |  |
| Address:   | Due Date Requested:  | ;pa  |   |  | INELAP                                |                                    | a  |                               |                                      |                                |                             | 400-210662-1<br>Preservation Codes   | -1<br>Codes:   |
| 13715 Rider Trail North,   | 12/1/2021  |  |   |  |                                       |                                    | An   | alysis I                      | Analysis Requested                   | -                              |                             | A - HCI  | í  |
| Giy:<br>Earth City   | TAT Requested (days)   | ays):  |   |  |                                       |                                    |  |                               |                                      |                                |                             | B - NaOH<br>C - Zn Acetale   |  |
| State, Zip:<br>MO, 63045   |  |  |   |  | ···                                   |                                    |  |                               | _                                    |                                |                             | D - Nitric Acid<br>E - NaHSO4  |  |
| Phone:<br>314-298-8566(Tel) 314-298-8757(Fax)  | PO#:   |  |   |  | (*                                    | -                                  |  |                               |                                      |                                |                             | F - MeOH<br>G - Amchlor  |  |
|  | #OM  |  |   |  | (0)                                   |                                    |  |                               |                                      |                                |                             |  | cid T - TSP Dodecahydrate<br>U - Acetone<br>V - MCAA |
| Project Name:<br>Agrico Pensacola - Annual   | Project #:<br>68017183   |  |   |  | sa ot y                               |                                    |  |                               |                                      |                                |                             | K - EDTA<br>L - EDA  | W - pH 4-5<br>Z - other (specify)                    |
| Site   | SSOW#:   |  |   |  | N ds                                  |                                    |  |                               |                                      |                                | 1003 30                     | Other:   |  |
| Sample Identification - Client ID (Lab ID)   | Sample Date  | Sample<br>Time                                   | Sample<br>Type<br>(C=comp,<br>G=grab)               | Matrix<br>(w-weter,<br>3-solid,<br>O-westeroll,<br>BTE-Tissue, AnAr) | Perform MS/M                          | 03.014/0.509_0<br>04020974/0.409_0 |  |                               |                                      |                                | Total Number of             |  | Soecial Instructions Note                            |
|  | X  | X  | Preserva  | Preservation Code:   | X                                     | -                                  |  |                               |                                      |                                |                             |  |  |
| AC-12D (400-210662-1)  | 11/3/21  | 10:58<br>Fastern                                 |   | Water  |                                       | ××                                 |  |                               |                                      |                                |                             | 2  |  |
| AC-12D (400-210662-1MS)  | 11/3/21  | 10:58<br>Factern                                 | MS  | Water  |                                       | ×                                  |  |                               |                                      |                                |                             | 2  |  |
| AC-12D (400-210662-1MSD)   | 11/3/21  | 10:58<br>Fastern                                 | MSD   | Water  |                                       | ×                                  |  | -                             |                                      |                                |                             | 2  |  |
| AC-13D (400-210662-2)  | 11/3/21  | 09:33<br>Eastern                                 |   | Water  |                                       | ×                                  |  | -                             |                                      |                                |                             | 2  |  |
| AC-24D (400-210662-3)  | 11/3/21  | 14:58<br>Eastern                                 |   | Water  |                                       | ×                                  |  |                               |                                      |                                |                             | 2  |  |
| AC-29D (400-210662-4)  | 11/3/21  | 13:39<br>Eastern                                 |   | Water  |                                       | ××                                 |  |                               |                                      |                                |                             | 2  |  |
|  |  |  |   |  |                                       |                                    |  |                               |                                      |                                |                             |  |  |
|  |  |  |   |  |                                       |                                    |  |                               |                                      |                                |                             |  |  |
| Note: Since laboratory accreditations are subject to change. Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently mainiain accreditation in the State of Origin listed above for analyse/lists/matix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica alaboratory and the instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica alternton immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica. | FestAmerica places the owners<br>ists/matrix being analyzed, the<br>current to date, return the sign | hip of method,<br>samples must<br>ed Chain of Cu | analyte & acci<br>be shipped ba<br>istody attesting | reditation comp<br>ck to the Eurof<br>g to said compl                | liance upo<br>ns TestAm<br>cance to E | n out su<br>ierica lat<br>urofins  | bcontract labo<br>toratory or oth          | ratories. Ti<br>er instructic | iis sample ship<br>ns will be proviv | ment is forwal<br>ded. Any cha | rded under chinges to accre | hain-of-custody. h   | f the laboratory doe<br>ould be brought to           |
| Possible Hazard Identification   |  |  |   |  | Sam                                   | ple Di                             | sposal ( A t                               | ee may l                      | e assessed                           | if sample:                     | s are retai                 | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) | an 1 month)  |
| Unconfirmed  |  | •  |   |  |                                       | Retur                              | Return To Client                           |                               | <sup></sup> Disposal By Lab          | 3y Lab                         |                             | Archive For  | Months   |
| Deliverable Requested: 1, 11, 11, Uther (specify)  | Primary Deliverable Rank:  | able Rank: 2                                     |   |  | Spec                                  | ial Inst                           | Special Instructions/QC Requirements:      | : Require                     | ments:                               |                                |                             |  |  |
| Empty Kit Relinquished by:   |  | Date:  |   |  | Time:                                 |                                    |  |                               | Meth                                 | Method of Shipment:            | int:                        |  |  |
| Reinquighed by<br>A Duran Course   | Date/Time:   | 14   | 52  | Company  | <u>æ</u>                              | eceived                            | Received by: IIISPI                        |                               | can                                  | Date/Time                      | ime:                        |  | Company  |
| Keilinquished by: UPS  | Date/Time:   |  |   | Company  | <u>œ</u>                              | Received by:                       | 9  | ב                             | \`<br>```                            | Date/Time                      | Date/Time:                  | 2260   | Company<br>GFA ST                                    |
|  | Date/Time:   |  |   | Company  | œ                                     | Received by                        |  |                               |                                      | Date/Time                      | ime:                        |  | Company  |
| Custody Seals Intact: Custody Seal No.:  |  | <  |   |  | 0                                     | ooler Te                           | Cooler Temperature(s) °C and Other Remarks | °C and Oth                    | er Remarks:                          |                                |                             |  |  |

| Pensacola             |                    |
|-----------------------|--------------------|
| Eurofins TestAmerica, | 355 McLemore Drive |

**Chain of Custody Record** 



| Client Information (Sub Contract Lab)  | Sampler:   |  |   | Lab PM<br>Savoie   | Lab PM:<br>Savoie, Noel                  |  |   |                             | Carrier Tr                  | Carrier Tracking No(s)      |                             | COC No:<br>400-280614.1  | 14.1                       |  | _ |
|--|--|--|---|--|--|--|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|----------------------------|--|---|
| Client Contact:<br>Shipping/Receiving  | Phone:   |  |   | E-Mail:<br>Noel.   | E-Mait:<br>Noel.Savoie@Eurofinset.com    | Eurofinse                                | et.com  |                             | State of Origin:<br>Florida | rigin:                      |                             | Page:<br>Page 1 of 1   | -                          |  | - |
| Company:<br>TestAmerica Laboratories, Inc.   |  |  |   |  | VCCTED                                   | is Require<br>florida                    | Accreditations Required (See note)<br>NELAP - Florida |                             |                             |                             |                             | Job #:<br>400-210573-1   | 73-1                       |  | - |
| Address:<br>13715 Rider Trail North,   | Due Date Requested<br>12/3/2021  | ;pa  |   |  |  |  | Anal  | Analysis Requested          | questec                     |                             |                             | Preservation Codes   | on Codes                   |  | T |
| City:<br>Earth City<br>State, Zip:   | TAT Requested (days):  | ays):  |   |  |  |  |   |                             |                             |                             |                             | B - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid                             | id ate<br>Toorz            | м - нехале<br>N - None<br>О - AsNaO2<br>Р - Na2O4S                               |   |
| MO, 63045<br>Phone:<br>314-298-8566(Tel) 314-298-8757(Fax)   | #O#  |  |   |  |  |  |   |                             |                             |                             |                             | E - NaHSU4<br>F - MeOH<br>G - Amchlor  | -<br>-<br>-                | - Na2SO3<br>- Na2S2O3<br>- H2SO4   | _ |
| Email:   | :# OM  |  |   |  | (0)                                      |  |   |                             |                             |                             |                             |  |                            | <ul> <li>1 - TSP Dodecahydrate</li> <li>U - Acetone</li> <li>V - MCAA</li> </ul> |   |
| Project Name:<br>Agrico Pensacola - Annual   | Project #:<br>68017183   |  |   |  | 62 OL                                    | 822 mu                                   |   |                             |                             |                             |                             | and of the local   |                            | W - pH 4-5<br>Z - other (specify)  |   |
| Site:  | :#MOSS   |  |   |  | N as                                     | ibeЯ 0                                   |   |                             |                             |                             |                             | of other:  |                            |  |   |
| Samole Identification - Client ID (Lab ID)   | Samole Date  | Sample<br>Time                                   | Sample<br>Type<br>(C=comp,<br>G=orab)             | Matrix<br>(www.eter.<br>S==olid.<br>Oww.esteloli.  | Perform MSM m<br>M/SM m<br>03.0/PrecSep_ | _deScer4/0.406                           |   |                             |                             |                             |                             | Fotal Number   | cial Instr                 | Snacial Instructions Nucto   | T |
|  | X  | X  | Preserva  |  | X  | 5  |   |                             |                             |                             |                             |  |                            | notional and   |   |
| AC-3D (400-210714-1)   | 11/4/21  | 11:01<br>Eastern                                 |   | Water  | ×  | ×  |   |                             |                             |                             |                             | 2  |                            |  |   |
| ACB-315 (400-210714-2)   | 11/4/21  | 13:08<br>Fastern                                 |   | Water  | ×  | ×  |   |                             |                             |                             |                             | 2  |                            |  | - |
| EQ-1 (400-210714-3)  | 11/4/21  | 13:38<br>Fastern                                 |   | Water  | ×  | ×  |   |                             |                             |                             |                             | 2  |                            |  | T |
|  |  |  |   |  |  |  |   |                             |                             |                             |                             |  |                            |  | 1 |
|  |  |  |   |  |  |  |   |                             |                             |                             |                             |  |                            |  | T |
|  |  |  |   |  |  |  |   |                             |                             |                             |                             |  |                            |  |   |
|  |  |  |   |  |  |  |   |                             |                             |                             |                             |  |                            |  | _ |
|  |  |  |   |  |  |  |   |                             | _                           |                             |                             |  |                            |  | - |
|  |  |  |   |  |  | _  |   |                             |                             |                             |                             | 123  |                            |  | - |
| Note: Since laboratory accreditations are subject to change. Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins. TastAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins. TastAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica. | tAmerica places the owners<br>/matrix being analyzed, the<br>rent to date, return the sign | hip of method,<br>samples must<br>ed Chain of Cu | analyte & acc<br>be shipped b;<br>istody attestin | p of method, analyte & accreditation compliance upon out subcontract lat<br>amples must be shipped back to the Eurofins TestAmerica laboratory or o<br>3 Chain of Custody attesting to said complicance to Eurofins TestAmerica. | ance upon o<br>s TestAmer<br>ance to Eur | out subcon<br>ica laborat<br>ofins Test# | tract laboral<br>ory or other<br>Merica.              | ories. This<br>instructions | sample ship<br>will be prov | ment is forw<br>ded. Any cl | arded under<br>langes to ac | chain-of-custody<br>creditation status   | . If the labo<br>should be | oratory does not current<br>brought to Eurofins                                  | > |
| Possible Hazard Identification   |  |  |   |  | Sampl                                    | e Dispo:                                 | sal ( A fee   | may be                      | assesse                     | l if sampl                  | es are ret                  | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) | than 1 m                   | ionth)   | 1 |
| Unconfirmed  |  |  |   |  | ]  | Return To Client                         | o Client  | <u> </u>                    | Disposal By Lab             | 3y Lab                      |                             | Archive For  |                            | Months   |   |
| Deliverable Requested: I, II, III, IV, Other (specify)   | Primary Deliverable Rank: 2  | able Rank: 2                                     |   |  | Specia                                   | l Instruct                               | Special Instructions/QC Requirements                  | Requirem                    | ents:                       |                             |                             |  |                            |  |   |
| Empty Kit Relinquished by:   |  | Date:  |   |  | Time:                                    |  |   |                             | Met                         | Method of Shipment:         | nent:                       |  |                            |  | - |
| Relinquished by:   | Date/Time:   | -  | SYPI  | Company  | Rec                                      | Received by:                             |   |                             |                             | Date                        | Date/Time:                  |  | 0                          | Company  | T |
| Reinquished by: TED EX   | Date/Time:   |  |   | Company  | Rec                                      | eived Tyl                                | Received Myll Charlon work                            |                             | F                           | Date                        |                             | 0 8 201/10   | 01:05 C                    | Company  | - |
| Relinquished by:   | Date/Time:   |  |   | Company  | Rec                                      | eived by                                 | Received by tich a Korninhized                        | minhize                     |                             | Date                        |                             |  | 0                          |  | T |
| Custody Seals Intact: Custody Seal No.:  | -  |  |   |  | Š  | ler Tempe                                | Cooler Temperature(s) °C and Other Remarks:           | and Other I                 | Remarks:                    |                             |                             |  | 1                          |  | - |

Ver: 06/08/2021

ICOC No: 400-280614

### Containers

| <u>Count</u> | Container Type                |
|--------------|-------------------------------|
| 6            | Plastic 1 liter - Nitric Acid |

Preservative Nitric Acid

# 🔅 eurofins

# **Environment Testing** America

# **ANALYTICAL REPORT**

Eurofins TestAmerica, Pensacola 3355 McLemore Drive Pensacola, FL 32514 Tel: (850)474-1001

## Laboratory Job ID: 400-210716-1

Client Project/Site: Agrico Pensacola - Annual SW

## For:

AFCOM 1625 Summit Lake Drive Suite 200 Tallahassee, Florida 32317

Attn: Ms. Amy Mixon

oël Savoie

Authorized for release by: 11/9/2021 2:15:04 PM

Noel Savoie, Project Manager I (850)254-0107 Noel.Savoie@Eurofinset.com

..... Links **Review your project** results through **Total** Access



Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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#### Job ID: 400-210716-1

#### Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative 400-210716-1

**Case Narrative** 

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/4/2021 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

#### **General Chemistry**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# **Detection Summary**

#### Client: AECOM Project/Site: Agrico Pensacola - Annual SW

Job ID: 400-210716-1

| Client Sample ID: BT-02  |        |           |      |     |      | Lab     | o S | ample ID: 4 | 00-210716-1 |   |
|--------------------------|--------|-----------|------|-----|------|---------|-----|-------------|-------------|---|
| Analyte                  | Result | Qualifier | PQL  | MDL | Unit | Dil Fac | D   | Method      | Prep Type   |   |
| Fluoride                 | 0.59   |           | 0.10 |     | mg/L | 1       | _   | SM 4500 F C | Total/NA    | 4 |
| Client Sample ID: BT-107 |        |           |      |     |      | Lat     | o S | ample ID: 4 | 00-210716-2 |   |
| Analyte                  | Result | Qualifier | PQL  | MDL | Unit | Dil Fac | D   | Method      | Ргер Туре   |   |
| Fluoride                 | 0.72   |           | 0.10 |     | mg/L | 1       | _   | SM 4500 F C | Total/NA    |   |
| Client Sample ID: BT-127 |        |           |      |     |      | Lat     | o S | ample ID: 4 | 00-210716-3 |   |
| Analyte                  | Result | Qualifier | PQL  | MDL | Unit | Dil Fac | D   | Method      | Prep Type   | 5 |
| Fluoride                 | 1.1    |           | 0.10 |     | mg/L | 1       | _   | SM 4500 F C | Total/NA    |   |

#### Client: AECOM Project/Site: Agrico Pensacola - Annual SW

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 400-210716-1  | BT-02            | Water  | 11/04/21 08:04 | 11/04/21 17:00 |
| 400-210716-2  | BT-107           | Water  | 11/04/21 08:26 | 11/04/21 17:00 |
| 400-210716-3  | BT-127           | Water  | 11/04/21 08:17 | 11/04/21 17:00 |

Job ID: 400-210716-1

| Client: AECOM                              |
|--|
| Project/Site: Agrico Pensacola - Annual SW |

| Client Sample ID: BT-02        |        |           |      |     |      |   | Lab Sam  | ole ID: 400-21 | 0716-1   |
|--------------------------------|--------|-----------|------|-----|------|---|----------|----------------|----------|
| Date Collected: 11/04/21 08:04 |        |           |      |     |      |   |          | Matri          | x: Water |
| Date Received: 11/04/21 17:00  |        |           |      |     |      |   |          |                |          |
| General Chemistry              |        |           |      |     |      |   |          |                |          |
| Analyte                        | Result | Qualifier | PQL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac  |
| Fluoride                       | 0.59   |           | 0.10 |     | mg/L |   |          | 11/08/21 12:28 | 1        |
| Client Sample ID: BT-107       |        |           |      |     |      |   | Lab Sam  | ole ID: 400-21 | 0716-2   |
| Date Collected: 11/04/21 08:26 |        |           |      |     |      |   |          | Matri          | x: Water |
| Date Received: 11/04/21 17:00  |        |           |      |     |      |   |          |                |          |
| General Chemistry              |        |           |      |     |      |   |          |                |          |
| Analyte                        | Result | Qualifier | PQL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac  |
| Fluoride                       | 0.72   |           | 0.10 |     | mg/L |   |          | 11/08/21 12:00 | 1        |
| Client Sample ID: BT-127       |        |           |      |     |      |   | Lab Sam  | ole ID: 400-21 | 0716-3   |
| Date Collected: 11/04/21 08:17 |        |           |      |     |      |   | -        | Matri          | x: Water |
| Date Received: 11/04/21 17:00  |        |           |      |     |      |   |          |                |          |
| General Chemistry              |        |           |      |     |      |   |          |                |          |
| Analyte                        | Result | Qualifier | PQL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac  |
| Fluoride                       | 1.1    |           | 0.10 |     | mg/L |   |          | 11/08/21 11:56 | 1        |

#### Client: AECOM Project/Site: Agrico Pensacola - Annual SW

Job ID: 400-210716-1

| Glossary       |   |   |
|----------------|---|---|
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |   |
| ¤              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |   |
| %R             | Percent Recovery  | _ |
| CFL            | Contains Free Liquid  | 5 |
| CFU            | Colony Forming Unit   |   |
| CNF            | Contains No Free Liquid   |   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |   |
| Dil Fac        | Dilution Factor   | 7 |
| DL             | Detection Limit (DoD/DOE)   | 7 |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |   |
| DLC            | Decision Level Concentration (Radiochemistry)   | 8 |
| EDL            | Estimated Detection Limit (Dioxin)  |   |
| LOD            | Limit of Detection (DoD/DOE)  | 9 |
| LOQ            | Limit of Quantitation (DoD/DOE)   |   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |   |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |   |
| MDL            | Method Detection Limit  |   |
| ML             | Minimum Level (Dioxin)  |   |
| MPN            | Most Probable Number  |   |
| MQL            | Method Quantitation Limit   |   |
| NC             | Not Calculated  |   |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |   |
| NEG            | Negative / Absent   |   |
| POS            | Positive / Present  |   |
| PQL            | Practical Quantitation Limit  |   |
| PRES           | Presumptive   |   |
| QC             | Quality Control   |   |
| RER            | Relative Error Ratio (Radiochemistry)   |   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |   |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |   |
| TNTC           | Too Numerous To Count   |   |

#### Client: AECOM Project/Site: Agrico Pensacola - Annual SW

Job ID: 400-210716-1

### **General Chemistry**

#### Analysis Batch: 555001

| Lab Sample ID    | Client Sample ID   | Ргер Туре | Matrix | Method      | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 400-210716-1     | BT-02              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-2     | BT-107             | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-3     | BT-127             | Total/NA  | Water  | SM 4500 F C |            |
| MB 400-555001/3  | Method Blank       | Total/NA  | Water  | SM 4500 F C |            |
| LCS 400-555001/6 | Lab Control Sample | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-1 MS  | BT-02              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-1 MS  | BT-02              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-1 MSD | BT-02              | Total/NA  | Water  | SM 4500 F C |            |
| 400-210716-1 MSD | BT-02              | Total/NA  | Water  | SM 4500 F C |            |

Job ID: 400-210716-1

#### Method: SM 4500 F C - Fluoride

| Lab Sample ID: MB 400-555001/3<br>Matrix: Water<br>Analysis Batch: 555001 |        |           |       |      |        |      |       |      |     | C     | Client S | ample ID: Metho<br>Prep Type: <sup>-</sup> |          |
|---|--------|-----------|-------|------|--------|------|-------|------|-----|-------|----------|--|----------|
|   | MB     |           |       |      |        |      |       |      |     |       |          |  |          |
| Analyte   | Result | Qualifier |       | PQL  |        | MDL  | Unit  |      | D   | Pre   | epared   | Analyzed                                   | Dil Fac  |
| Fluoride  | <0.10  |           |       | 0.10 |        |      | mg/L  |      |     |       |          | 11/08/21 11:27                             | 1        |
| Lab Sample ID: LCS 400-555001/6   |        |           |       |      |        |      |       |      | Cli | ent S | Sample   | ID: Lab Control                            | Sample   |
| Matrix: Water   |        |           |       |      |        |      |       |      |     |       |          | Prep Type:                                 | Total/NA |
| Analysis Batch: 555001  |        |           |       |      |        |      |       |      |     |       |          |  |          |
|   |        |           | Spike |      | LCS    | LCS  |       |      |     |       |          | %Rec.                                      |          |
| Analyte   |        |           | Added |      | Result | Qual | ifier | Unit |     | D     | %Rec     | Limits                                     |          |
| Fluoride  |        | _         | 5.00  |      | 5.39   |      |       | mg/L |     |       | 108      | 90 - 110                                   |          |

Matrix: Water

### **Client Sample ID: BT-02** Date Collected: 11/04/21 08:04

|  | Batch   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
|--|---|--|-----|-------------|---------------------------|-------------------------|----------------------------------|--|-----------------------------|---|
| Ргер Туре  | Туре  | Method   | Run | Factor      | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Total/NA   | Analysis  | SM 4500 F C  |     | 1           | 10 mL                     | 10 mL                   | 555001                           | 11/08/21 12:28   | KAK                         | TAL PEN   |
| Client Sample  | e ID: BT-107  | 7  |     |             |                           |                         |                                  | Lab Sample   | e ID: 400                   | )-210716-                                       |
| Date Collected:  |   |  |     |             |                           |                         |                                  |  |                             | latrix: Wate                                    |
| Date Received:   | 11/04/21 17:00  | 0  |     |             |                           |                         |                                  |  |                             |   |
| _  | Batch   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
| Prep Type  | Туре  | Method   | Run | Factor      | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Total/NA   | Analysis  | SM 4500 F C  |     | 1           | 10 mL                     | 10 mL                   | 555001                           | 11/08/21 12:00   | KAK                         | TAL PEN   |
| Client Sample  | • ID: BT-127  | 7  |     |             |                           |                         |                                  | Lab Sample   | e ID: 400                   | )-210716-                                       |
| Date Collected:  | 11/04/21 08:1   | 7  |     |             |                           |                         |                                  | _  | N                           | latrix: Wate                                    |
| Date Received:   | 11/04/21 17:00  | 0  |     |             |                           |                         |                                  |  |                             |   |
| -  | Batch   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
| Prep Type  | Туре  | Method   | Run | Factor      | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Total/NA   | Analysis  | SM 4500 F C  |     | 1           | 10 mL                     | 10 mL                   | 555001                           | 11/08/21 11:56   | KAK                         | TAL PEN   |
| Client Sample  | D: Metho  | d Blank  |     |             |                           |                         | La                               | b Sample ID  | : MB 400                    | )-555001/                                       |
| Date Collected:  |   |  |     |             |                           |                         |                                  |  |                             | latrix: Wate                                    |
| Date Received:   | N/A   |  |     |             |                           |                         |                                  |  |                             |   |
| _  | Batch   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
| Prep Type  | Туре  | Method   | Run | Factor      | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Total/NA   | Analysis  | SM 4500 F C  |     | 1           | 10 mL                     | 10 mL                   | 555001                           | 11/08/21 11:27   | KAK                         | TAL PEN   |
| _<br>Client Sample   | D: Lab C  | ontrol Sample  |     |             |                           |                         | l at                             | Sample ID:   | 1 CS 400                    | )_555001/                                       |
| Date Collected:  |   | ond of oddipie   |     |             |                           |                         | Eak                              | oumpie ib.   |                             | latrix: Wate                                    |
| Date Received:   |   |  |     |             |                           |                         |                                  |  |                             |   |
| _  | Batch   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
| Prep Type  | Туре  | Method   | Run | Factor      | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Total/NA   | Analysis  | SM 4500 F C  |     | 1           | 100 mL                    | 100 mL                  | 555001                           | 11/08/21 11:37   | KAK                         | TAL PEN   |
| Client Sample  | - ID' BT-02   |  |     |             |                           |                         | La                               | b Sample ID  | • 400-21                    | 0716-1 M  |
| Date Collected:  |   | 4  |     |             |                           |                         |                                  |  |                             | latrix: Wate                                    |
| Date Received:   | 11/04/21 17:00  | 0  |     |             |                           |                         |                                  |  |                             |   |
|  | 5 / 1   | Batch  |     | Dil         | Initial                   | Final                   | Batch                            | Prepared   |                             |   |
| _  | Ratch   |  |     |             | minuai                    | i intai                 | Daten                            | ricparca   |                             |   |
| Prep Type  | Batch<br>Type   |  | Run |             | Amount                    | Amount                  | Number                           | or Analyzed  | Analyst                     | Lab   |
| Prep Type<br>Total/NA  | Type<br>Analysis  | Method<br>SM 4500 F C  | Run | Factor      | Amount<br>10 mL           | Amount<br>10 mL         | Number<br>555001                 | or Analyzed  | Analyst<br>KAK              | - Lab<br>TAL PEN                                |
|  | Туре  | Method   | Run | Factor      |                           |                         |                                  |  |                             |   |
| Total/NA<br>Total/NA   | Type<br>Analysis<br>Analysis  | Method<br>SM 4500 F C<br>SM 4500 F C                             | Run | Factor      | 10 mL                     | 10 mL                   | 555001<br>555001                 | 11/08/21 12:32<br>11/08/21 13:14                             | KAK<br>KAK                  | TAL PEN<br>TAL PEN                              |
| Total/NA<br>Total/NA<br>Client Sample                                      | Type<br>Analysis<br>Analysis<br>e ID: BT-02   | Method<br>SM 4500 F C<br>SM 4500 F C                             | Run | Factor      | 10 mL                     | 10 mL                   | 555001<br>555001                 | 11/08/21 12:32   | как<br>как<br>400-2107      | TAL PEN<br>TAL PEN<br>716-1 MSI                 |
| Total/NA<br>Total/NA<br>Client Sample<br>Date Collected:                   | Type<br>Analysis<br>Analysis<br>e ID: BT-02<br>11/04/21 08:04                           | Method<br>SM 4500 F C<br>SM 4500 F C                             | Run | Factor      | 10 mL                     | 10 mL                   | 555001<br>555001                 | 11/08/21 12:32<br>11/08/21 13:14                             | как<br>как<br>400-2107      | TAL PEN<br>TAL PEN<br>716-1 MSI                 |
| Total/NA<br>Total/NA<br>Client Sample<br>Date Collected:                   | Type<br>Analysis<br>Analysis<br>PID: BT-02<br>11/04/21 08:04<br>11/04/21 17:00          | 4 0  | Run | Factor<br>1 | 10 mL<br>10 mL            | 10 mL<br>10 mL          | 555001<br>555001<br>Lab          | 11/08/21 12:32<br>11/08/21 13:14<br>Sample ID: 4             | как<br>как<br>400-2107      | TAL PEN<br>TAL PEN<br>716-1 MSI                 |
| Total/NA<br>Total/NA<br>Client Sample<br>Date Collected:<br>Date Received: | Type<br>Analysis<br>Analysis<br>PID: BT-02<br>11/04/21 08:04<br>11/04/21 17:00<br>Batch | Method     SM 4500 F C     SM 4500 F C     SM 4500 F C     Batch |     | Factor 1    | 10 mL<br>10 mL<br>Initial | 10 mL<br>10 mL<br>Final | 555001<br>555001<br>Lab<br>Batch | 11/08/21 12:32<br>11/08/21 13:14<br>Sample ID: 4<br>Prepared | как<br>как<br>400-2107<br>М | TAL PEN<br>TAL PEN<br>716-1 MSI<br>Matrix: Wate |
| Total/NA   | Type<br>Analysis<br>Analysis<br>PID: BT-02<br>11/04/21 08:04<br>11/04/21 17:00          | 4 0  | Run | Factor<br>1 | 10 mL<br>10 mL            | 10 mL<br>10 mL          | 555001<br>555001<br>Lab          | 11/08/21 12:32<br>11/08/21 13:14<br>Sample ID: 4             | как<br>как<br>400-2107      | TAL PEN<br>TAL PEN<br>716-1 MSI                 |

Eurofins TestAmerica, Pensacola

Client: AECOM Project/Site: Agrico Pensacola - Annual SW

#### Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins TestAmerica, Pensacola

| Client: AECOM                              |
|--|
| Project/Site: Agrico Pensacola - Annual SW |

| Method      | Method Description | Protocol | Laboratory |
|-------------|--------------------|----------|------------|
| SM 4500 F C | Fluoride           | SM       | TAL PEN    |

#### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

#### Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins TestAmerica, Pensacola

# Accreditation/Certification Summary

Job ID: 400-210716-1

# Laboratory: Eurofins TestAmerica, Pensacola

The accreditations/certifications listed below are applicable to this report.

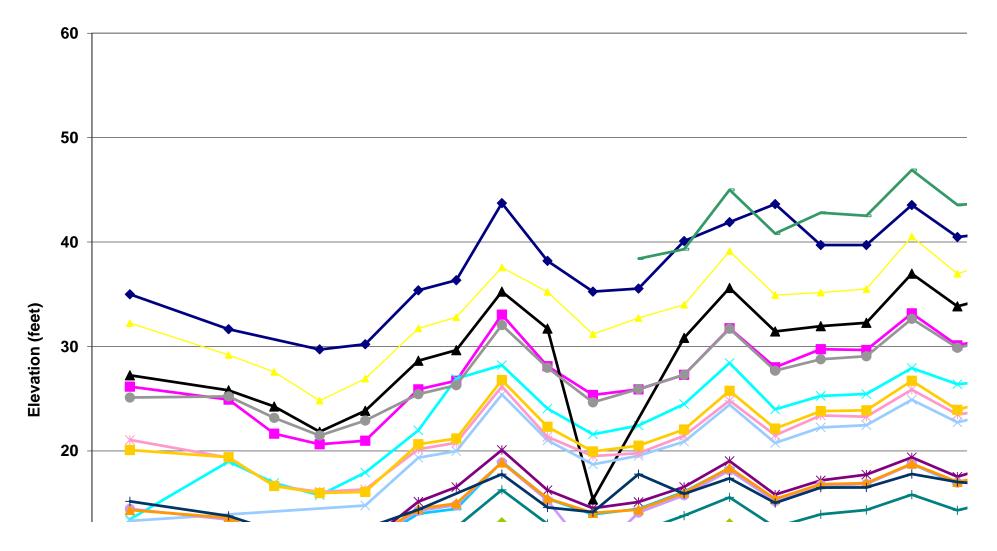
| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Florida   | NELAP   | E81010                | 06-30-22        |

| LUIVIIIS IESUMMERICA, PENSACOIA   |                                   |  |  |
|---|-----------------------------------|--|--|
| 3355 McLemore Drive<br>Pensacola, FL 32514<br>Phone: 850-474-1001 Fax: 850-478-2671       | Chain of Custody Record           | tody Record  | Control Contro |
| Client Information  | Formalier L D. D. D.              | Lab PM:<br>Savoie Note   | COC Ne:  |
| Client Contact:<br>Ms. Army Mixon   | Phone 550 52 5809 C               | E-Mail: Star   | 680-130233-32403.1<br>Page:  |
| Company:<br>AECOM   | PWSID:                            |  | 400-210716 COC Page 1 of 1<br>Job #:   |
| Address:<br>1625 Summit Lake Drive Suite 200  | Due Date Requested:               |  | Preservation Codes:  |
| City:<br>Tallahassee  | TAT Requested (days):             |  |  |
| State, Zip;<br>FL, 32317  | Compliance Project: Δ Yes Δ No    |  |  |
| Phone:<br>850-465-3886(Tel)   | Requeste                          |  | E - NaHSO4 0 - Na2SO3<br>F - MeOH R - Na2S2O3<br>G - Amchlor S - H2SO4   |
| Email:<br>amy.mixon@aecom.com   | WO#:<br>60618051.1                |  |  |
| Project Name:<br>Agrico Brackish Surface Water  | Project #:<br>68017183            |  | J - DI Water<br>K - EDTA<br>L - EDA  |
| sie Agnico Pensolação, R  | SSOW#:                            |  | Other:   |
| 7   |                                   | Matrix<br>Matrix<br>Sevelation<br>Sevelation<br>Matrix<br>FIGC - Fluoi | Ölequink   |
| Sample Identification   | Sample Date Time G=grab)          |  | स्र<br>हिंह<br>Special Instructions/Note:  |
| BT-DL   | 111.04/21 1ABAU 6                 |  |  |
| BT-107  | 0801°                             |  |  |
| BT-127  | 1130 1                            | 0  |  |
|   |                                   |  |  |
|   |                                   |  |  |
|   |                                   |  |  |
|   |                                   |  |  |
|   |                                   |  |  |
|   |                                   |  |  |
| Pessible Hazard Identification  |                                   | Camalo Discovel / A £  |  |
| Non-Hazard Flammable Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) | Poison B 🔲 Unknown 🗍 Radiological |  | Sample Disposal ( A ree may be assessed if samples are retained longer than 1 month)<br>Return To Client Disposal By Lab Archive For Months<br>Special Instructions(IOC Boundary Construction)   |
| Empty Kit Relinquished by:  | Date:                             |  | Mothbod of Shine work  |
| Remains of Day  | 200                               | Received by:   | à  |
|   | 001                               | Company Received by Court  | Date/Time: Company   |
|   | Date/Time:                        | Company Received by:   | Date/Time: Company   |
| Custody Seals Intact: Custody Seal No.:<br>△ Yes △ No                                     |                                   | Cooler Temperature(s) °C and Other Remarks:                            | 2000405  |
|   |                                   |  | J<br>F   |

# **APPENDIX B**

# Groundwater Elevation Trend in Main Producing Zone

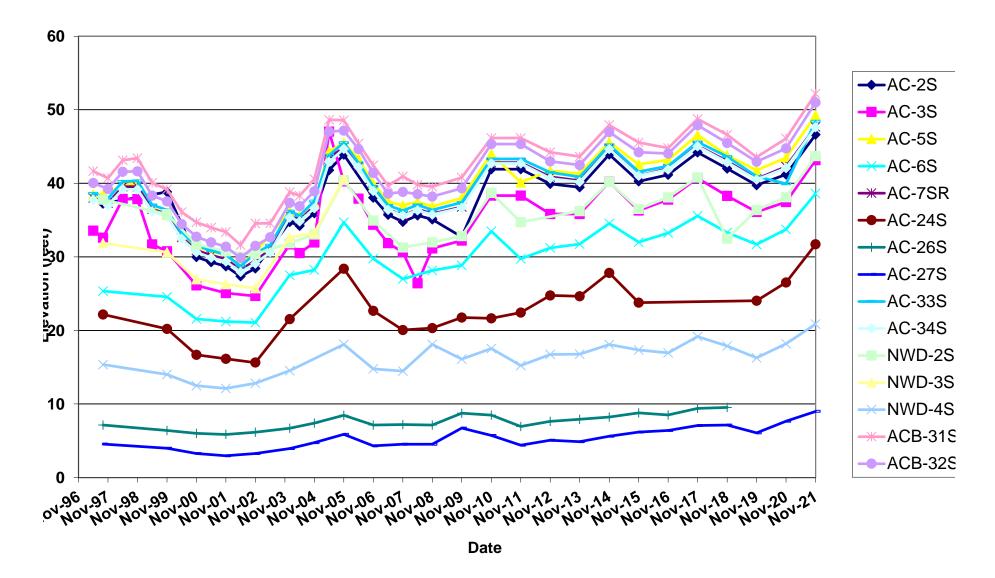




AECOM

## Groundwater Elevation Trend in Surficial Zone

Agrico Site Pensacola, FL



# **APPENDIX C**



## MEMORANDUM

| То: | Alex Webster (FDEP NW District)<br>Billy Hessman (FDEP, Tallahassee) | From: | Amy Mixon, P.E.<br>AECOM Tallahassee |
|-----|--|-------|--------------------------------------|
|     | Tim Haag (ECUA)<br>Tom Brown (NWFWMD)                                | CC:   | Jasmin Jefferies (EPA                |
|     | L. Derrik Owens (City of Pensacola)<br>Mark Spitznagel (ECHD)        |       | Region 4)                            |
|     | Glenn Griffith (Escambia County)<br>Alan Hagans (FDOT Chipley)       | Date: | March 15, 2021                       |

### Subject: Institutional Controls Coordination Agrico Site, Pensacola, Florida

As part of the U.S. Environmental Protection Agency (EPA) approved Remedial Action Work Plan for Operating Unit Two (OU-2) (November 1998), periodic communications are planned with the agencies to verify that existing institutional controls remain in place. The purpose of this Memorandum is to solicit, in writing, information on any changes in existing or any proposed new regulatory requirements that may affect the existing institutional controls pertaining to the Agrico Site.

## SITE SUMMARY

## Monitored Natural Attenuation Results

Statistical monitored natural attenuation (MNA) evaluations were prepared in 2009 and 2013. Additionally, annual trend plots are prepared for all constituents analyzed for each sampling location. The reports and trend plots in each annual report that are submitted to EPA and the Florida Department of Environmental Protection (FDEP) continue to show that mechanisms for attenuation are in place throughout the OU-2 area. These mechanisms, and the OU-1 source remedy, are propagating downgradient toward Bayou Texar, as expected. For the plume area, the highest concentrations for each constituent are declining and downgradient peaks are less than historical highs. It is estimated from statistical evaluation following EPA MNA guidance that much of the groundwater will reach the target concentrations within two to three decades. However, the discharge area near Bayou Texar may take longer. The processes at this discharge boundary are more complex and do not follow the upgradient time line. Additionally, radium declines may lag behind the other constituents. Radium concentrations are more dependent on increases in pH as the overall chemical conditions improve upgradient. Initial fate and transport modeling performed for the site in the early 1990s suggested targets would not be reached for at least 70 years. Twenty-two years has passed since the source controls were implemented. The approximately 50 years remaining is still reasonable and well within the targets estimated with the statistical evaluation.



## Groundwater Sampling Results

Groundwater sampling at the site has been conducted since 1999. The groundwater sampling network has been modified beginning in November 2015 to a select set of sampling locations for the Agrico site per discussions with the FDEP and approval by EPA on March 10, 2015.

Annual groundwater (the 22<sup>st</sup> year of sampling) monitoring was conducted in November 2020.

Groundwater results for November 2020 continue to compare favorably to past results. Overall concentration trends within the surficial zone are downward and the impact extent is shrinking. Impacts are limited for this zone. This is a direct result of effective source remediation and the local hydrogeologic conditions.

For the deeper main producing zone, the trend in concentrations is generally downward and stable, also indicating continued plume stability.

Slight upward or downward ticks in the trends for the constituents of concern (COCs) are to be expected over time. It is the long-term trend for each of the COCs that is important.

## Groundwater Levels

Results of water level measurements collected in November 2020 indicate that groundwater flow remains toward Bayou Texar for both the surficial zone and main producing zone. In 2019, groundwater flow patterns closely followed historical patterns.

## Bayou Texar Sampling Results

An assessment of potential impacts downgradient of the Agrico groundwater plume was presented to the EPA and the FDEP on September 4, 2009 in the report, "*Conceptual Site Model, Ecological Impact Evaluation of Bayou Texar Downgradient of Agrico's Groundwater Fluoride Plume, September 14, 2009.*" The report concluded that there is no completed exposure pathway between populations of demersal fish and benthic receptors in the Bayou downgradient of the Site and concentrations of fluoride in pore water and nearbottom surface water that potentially would cause adverse effects to the populations of dermersal fish and benthic receptors. The report also concluded that the fluoride solubility in the surface sediments and in pore waters within the groundwater plume discharge area is controlled by mineral precipitation reactions that are responsible for buffering dissolved concentrations of fluoride. This report was approved by EPA on September 20, 2010. The approval modified the report recommendations to include three surface water sampling locations as part of the annual sampling for the site.



Surface water sampling was conducted in November 2020. Sampling continues to show concentrations in the bayou at levels well below the surface water standard (5 mg/L) for fluoride.

### INSTITUTIONAL CONTROLS

Several rules, regulations and policies already exist which control the use of groundwater within the OU-2 area. These serve as institutional controls, and include:

- Approval of well construction and consumptive use is a function of the Northwest Florida Water Management District (NWFWMD). On February 22, 2001 the NWFWMD Governing Board passed a well construction moratorium for the area bounded to the north by Hyatt Street, Wynnehurst Street, Kenneth Street, Boxwood Drive and Brookside Place; to the west by the CSX Railroad; to the south by East Cross Street; and to the east by Bayou Texar. This moratorium applies to all new well construction within the designated area except monitoring wells and encompasses both the Agrico and Escambia Treating Company areas. The moratorium remains in effect during 2019 and 2020. Checking of NWFWMD drilling permits indicates that no well construction permits were issued within the Agrico OU-2 area during 2019.
- 2. Access is restricted on the Agrico site. The property is secured by a perimeter chain link security fence and locked gates. Restrictive and site information signs are posted advising the public of the on-site conditions, and a contact phone number is also posted for inquiries. The site is routinely inspected by authorized personnel and inspection reports on the site conditions are completed twice a year. Additionally, the site is inspected after each major storm event. Any damages found are repaired. Construction or related activities which would interfere with maintaining the site remedial measures are prohibited by the legal deed restrictions. Any use of the property contrary to the Record of Decision is prohibited, as per covenants filed for the property.
- 3. The location of the Agrico plume is well characterized and documented. Because this information is submitted to the Emerald Coast Utilities Authority (ECUA) and other agencies in an annual report, and because of the NWFWMD well moratorium, it is highly improbable that future municipal wells will be located in the vicinity of the site. It should also be noted that non-Agrico groundwater impacts are present outside of the Agrico plume. To the north of the Agrico site, groundwater impacts have been caused by the Escambia Treating Company (ETC) site. This plume intrudes into the Agrico area to the south. Also, south of the Agrico plume, the FDEP is assessing a site referred to as Site 348. This site has reportedly contributed to groundwater



impacts to the south of the Agrico plume. The Site 348 plume has the potential to intrude into the Agrico area, and Site 348 has similar COCs to those of Agrico. This site is being assessed for possible impacts to ECUA wells, including F& Scott Streets well, No. 9 well, and East Plant well. Groundwater from Site 348 moves easterly and may discharge into Bayou Texar, if not affected by pumping from F & Scott Streets Well. Additionally, other sources of groundwater impacts exist within and in the near proximity of the Agrico plume and include releases from petroleum and dry-cleaning related sites as documented by the FDEP.

- 4. The ECUA regularly samples and analyzes water being pumped from public supply wells. ECUA controls the pumpage from these wells. The cause of current impacts to ECUA wells, as noted above, is the subject of an ongoing assessment by the FDEP. Pumping of both East Plant and well No.9 has been discontinued. The F& Scott Street well is still active and within a distance from Site 348 impacts that pumping influences could potentially draw the Site 348 plume toward this active well.
- 5. In 1997, the NWFWMD established 7-year and 20-year capture zones around each ECUA water supply well. These captures zones constitute the wellhead protection area for each well (Richards, Pratt, and Milla, December 1997, Wellhead Protection Area Delineation in Southern Escambia County, Florida; Water Resources Special Report 97-4, NWFWMD). The Agrico plume remains outside of the 20-year capture zone for all supply wells. Site 348 lies within the 20- year capture zone for inactive ECUA Well No. 9, and Site 348 lies near the designated capture zone for active ECUA Well F & Scott.
- 6. The Designated Area has been established by the FDEP and regulated by Florida Administrative Code, Chapter 62-524, FDEP rules. New potable well permitting requirements must be met to install a new potable water well. This designated area is the same as the area defined in item number 1. At this time, the NWFWMD moratorium is a more stringent restriction than that related to the Chapter 62-524 designation.

The 2010 Annual Report is currently in preparation and will be distributed to you following approval by EPA. It is anticipated this will occur in the June 2021 timeframe.

Four Five-Year Reviews of the Agrico Site have been completed by EPA, and the fifth is currently underway. Each Review has concluded that the remedy at the Agrico Site is functioning as intended by the Records of Decision for OU-1 and OU-2 and remains protective of human health and the environment.

Site information is available at the local EPA repository located at:



University Archives and West Florida History Center University of West Florida Libraries Building 32 11000 University Pkwy Pensacola, Florida 32514 850-474-2213

Information stored at the repository includes various project documents. Additionally, a sitespecific internet web site has been established at: <u>http://www.agricopensacola.com</u>. The web site contains general information and includes all Fact Sheets for the site as well as pertinent documents for the site.

Please respond in writing concerning any contemplated changes in existing or any proposed new regulatory requirements that may affect the existing institutional controls pertaining to the Agrico Site to Amy Mixon, AECOM, 1625 Summit Lake Drive, Suite 300, Tallahassee, Florida 32317, or send an e-mail to <a href="mailto:amy.mixon@aecom.com">amy.mixon@aecom.com</a>. Your assistance in this cooperative effort is greatly appreciated.

If you have any questions, please contact me at (850) 465-3886.

Sincerely,

any KMy

Amy R. Mixon, P.E. Project Manager

ARM:lc



AECOM 1625 Summit Lake Drive Suite 300 Tallahassee, FL 32317 www.aecom.com

March 15, 2021

alan.hagans@dot.state.fl.us

Mr. Alan Hagans Florida Department of Transportation District 3 1074 Highway 90 Chipley, Florida 32428

# Subject:Annual Inquiry Regarding Construction ActivitiesFairfield Drive (SR 727) at I-110 (SR 8-A) Roadway ID 48004000Mile Marker 9.009 at Palafox to Mile Marker 9.490 at I-110 West RampPensacola, Florida

Dear Mr. Hagans:

Per U.S. Environmental Protection Agency requirements set forth in the Agrico Chemical Site Operation and Maintenance Plans, this annual inquiry is submitted to determine if intrusive work into the subsurface soils in the above-referred location is planned by the Florida Department of Transportation (FDOT) for the year 2021. Additionally, this inquiry seeks to determine if there are work activities included in FDOT's five-year plan that will involve intrusive work at Fairfield Drive from Palafox to the I-110 ramp.

If there is additional information that we or the U.S. Environmental Protection Agency (USEPA) should be aware of, please let me know.

Please respond in writing regarding receipt of this correspondence. If you have any questions concerning this request, please e-mail me at <u>amy.mixon@aecom.com</u>.

Sincerely,

any K Muy

Amy R. Mixon, P.E. Project Manager

ARM:lc

cc: Jasmin Jefferies (USEPA)

# **APPENDIX D**

# OU-1 Bi-Annual Inspection Report

|   |                                   |                | ola, Florida   |             |   |         |
|---|-----------------------------------|----------------|----------------|-------------|---|---------|
| ROUTINE FACILITY INSPECTION<br>CHECKLIST AGRICO CHEMICAL<br>SITE, PENSACOLA FLORIDA | SATISFACTORY                      | UNSATISFACTORY | DATE CORRECTED | INITIALED   | REMARKS   |         |
| GENERAL FACILITY AREA   |                                   |                |                |             |   |         |
| Gates and Locks Secured   |                                   | V              | 5 25 20        | 1024        | Lock missing-replacedo  | of new  |
| Perimeter Fencing   | V                                 |                |                |             | Lock missing-replacedo<br>New code<br>P66W<br>Will replace during sou | lack    |
| Signaga   | V                                 |                |                |             | will replace during sou   | mpling. |
| Roadway Conditions  |                                   |                |                |             |   | event   |
| COVER SYSTEM  |                                   |                |                |             |   |         |
| Surface Water Runoff Controlled   | V                                 |                |                |             |   |         |
| No Ponding Water On Cover   |                                   |                |                |             |   |         |
| No Sideslope or Top Erosion or Gullying   |                                   |                |                |             |   |         |
| Fopsoil and Vegetation Intact   | V                                 |                |                |             |   |         |
| Settlement/Cracking Inspection  |                                   |                |                |             |   |         |
| SURFACE WATER COLLECTION SYSTEM   |                                   |                |                |             |   |         |
| lo Obstructions of Culverts or Inlets   | V                                 |                |                |             |   |         |
| let Sediment Controls Intact  | V                                 |                |                |             |   |         |
| Erosion of Drainage Ditches or Berms  | V                                 |                |                |             |   |         |
| atention Ponds Draining Adequately  | V                                 |                |                |             |   |         |
| le Stope Erosion of Detention Ponds   | V                                 |                |                |             |   |         |
| aks, Structural Damage to Inlets, Culverts, or Pipes                                | 1/1                               |                |                |             |   | ]       |
|   | INSPECTE<br>SIGNATUR<br>DATE INSP | RE: (          | Any<br>in t    | R M<br>5/25 | Mixon<br>1/2021   | -       |
| LLOW-UP NOTES:  |                                   |                |                |             |   |         |

Trauble w/ locks continues - replacement by First Chaice (and gate repairs) on 4/22/2021. Missing again during May inspection - A. Mixon to check weekly + solution will be impleme designed if needed, s/williamsconoco/Deliverables/2010/Inspection Report/Inspection form.xls 6/3/2021 - New cade on lock appears to be working to prevent access,

#### **OU-1 Bi-Annual Inspection Report**

#### Agrico Chemical Site Pensacola, Florida

| ROUTINE FACILITY INSPECTION<br>CHECKLIST AGRICO CHEMICAL<br>SITE, PENSACOLA FLORIDA | SATISFACTORY | UNSATISFACTORY | DATE CORRECTED | INFTIALED | REMARKS  |  |  |  |
|---|--------------|----------------|----------------|-----------|--|--|--|--|
| GENERAL FACILITY AREA   |              |                |                |           |  |  |  |  |
| Gates and Locks Secured   | X            |                |                |           | newgate code Plelen  |  |  |  |
| Perimeter Fencing   |              | ĸ              |                |           | newgate code Plelen<br>Frontarea à area near<br>side gate needs repair |  |  |  |
| Signage   | X            |                |                |           |  |  |  |  |
| Roadway Conditions  | X            |                |                |           |  |  |  |  |
| COVER SYSTEM  |              |                |                |           |  |  |  |  |
| Surface Water Runoff Controlled   | X            |                |                |           |  |  |  |  |
| No Ponding Water On Cover   | X            |                |                |           |  |  |  |  |
| No Sideslope or Top Erosion or Gullying   | X            |                |                |           |  |  |  |  |
| Topsoil and Vegetation Intact   | X            |                |                |           |  |  |  |  |
| Settlement/Cracking Inspection  | X            |                |                |           |  |  |  |  |
| SURFACE WATER COLLECTION SYSTEM   |              |                | ter and        |           |  |  |  |  |
| No Obstructions of Culverts or Inlets   |              | X              |                |           | Errosion around 2<br>Culiverts   |  |  |  |
| Inlet Sediment Controls Intact  | K            |                |                |           |  |  |  |  |
| No Erosion of Drainage Ditches or Berms   | X            |                |                |           |  |  |  |  |
| Detention Ponds Draining Adequately   | X            |                |                |           |  |  |  |  |
| Side Slope Erosion of Detention Ponds   | X            |                |                |           | 5  |  |  |  |
| Leaks. Structural Damage to Inlets, Culverts, or Pipes                              | X            |                |                |           |  |  |  |  |
| INSPECTED BY: DCH21ton  |              |                |                |           |  |  |  |  |
| SIGNATURE: DOLLAR   |              |                |                |           |  |  |  |  |
|   |              |                |                |           |  |  |  |  |
| DATE INSPECTED: 11. D4. 21  |              |                |                |           |  |  |  |  |

**FOLLOW-UP NOTES:** 

Talked with Ken for evosion repair + fence repair