City of Marco Island

Documentation in Support of Category 4e

Waterbody/Watershed Identification

Organization	City of Marco Island See **Figure 1** for a location map.
Point of Contact	Justin Martin, P.E. Public Works Director City of Marco Island 1310 San Marco Road Marco Island, Florida 34145 239-389-5000 JMartin@cityofmarcoisland.com
Waterbody(s)	WBID 3278O, Marco Island (**Figure 2**)
No. Waterbody / Pollutant Combinations	One waterbody segment(s) is within the City limits; Verified and/or Impaired for nutrients (total nitrogen) on the Everglades West Coast group (estuarine), Assessment Cycle 4, Group 1. Adjacent WBIDS are on Verified List (**Figure 2**): • 3278P, Marco Island (South), Nutrients (total nitrogen and phosphorus), Bacteria (fecal coliform) • 3278U, Rookery Bay (north), Bacteria (fecal coliform) • 8064, Gulf of Mexico (adjacent west), Nutrients (total nitrogen)
EPA Completed TMDL	*Has EPA completed a TMDL for the impaired waterbody segment(s) listed in this document?* No.

Description of Baseline Conditions

Watershed	Marco Island interior waterways, WBID 3278O
Baseline Data	Comprehensive Verified Impaired Water List dated 8/18/2020 noted that the annual geometric mean for nutrients exceeded 0.30 milligrams per liter (mg/L). The historical data from 2015 through 2020 were summarized in Environmental Research & Design, Inc. (ERD) Marco Island Nutrient Source Evaluation Project (ERD 2021), Section 2.2.1. Offshore water quality and sediment characterization were included in Section 2.2.2 of the ERD report. Data is provided in ERD Appendix A, with the annual geometric mean (AGM) of nutrients in ERD Appendix A-2 for the historical data. Overall, water quality characteristics in Marco Island waterways have been relatively consistent at most sites from 2015 to 2020 (ERD 2021). Although, statistically significant increases in values over time have been observed for total nitrogen, chlorophyll-a, and Secchi disk depth at the Barfield Bridge site; for total nitrogen and total phosphorus at the Collier Bridge site; and for total nitrogen at the McIlvaine site. Overall, mean total nitrogen concentrations in Marco Island waterways from 2015 to 2020 have been moderate to elevated in value, with most measurements exceeding the numeric nutrient criterion (NNC) of 300 micrograms per liter (µg/L). From 2015 to 2020, offshore sites surrounding Marco Island exhibited AGM values for total nitrogen which exceeded the NNC of 300 µg/L during 28 of the 30 annual periods of data available at South Florida Water Management District (SFWMD) and Florida Department of Environmental Protection (FDEP) monitoring sites. Exceedances of the NNC for total phosphorus were observed during 9 of the 27 annual periods (33%), with exceedances of the NNC for chlorophyll-a during 3 of the 27 annual periods. Exceedances in Enterococci counts have also been observed on the northwest shoreline of the island, particularly in recent years. (**Exhibit A-1**) Annual mean total phosphorus concentrations in Marco Island waterways have been low to moderate in value, with concentrations at 11 of the 14 monitoring sites less than or equal to the applicable NNC of 46 µg/L for total phosphorus. Exceedances of the criterion for both total nitrogen and total phosphorus have been consistently observed at the Landmark and Swallow monitoring sites, each are in upstream portions of a relatively stagnant canal system. (**Exhibit A-2)** Most of the offshore historical data are older than 5 years, except for some data collected by FDEP and SFWMD. ERD (2021) collected data from April to

	September 2020, including 4 locations offsite. The ERD offshore values are similar to the historical inland data. The City has continued monitoring inland waterways and has started sampling offshore sites recently (November 2022). The new data for 2021 and 2022 are summarized in **Appendix B**. The AGM of TN and TP have been generally lower since the ERD study (ranging from 250 to 390 µg/L). The 2021 AGM exceeded the NNC for total nitrogen at 7 sites, but in 2022, only 2 locations were observed to exceed the NNC. There were no exceedances of the AGM TP NNC observed within inland waterways. In general, the magnitude of reported exceedances is close to the NNC and does not appear to be acute or extreme. If averaged across monitoring locations, the NNC thresholds were not exceeded in 2021 or 2022. Chlorophyll-a has been observed at locations more than the 4.9 µg/L NNC target concentration (**Exhibit A-3**). The higher chlorophyll-a values are at locations corresponding to observed elevated total nitrogen values. At a few locations, the AGM exceeded the NNC for chlorophyll-a in 2021 but not in 2022.
Map	See maps of historical sampling sites and results in **Appendix A**. The data collected since the ERD (2021) report is in **Appendix B**.

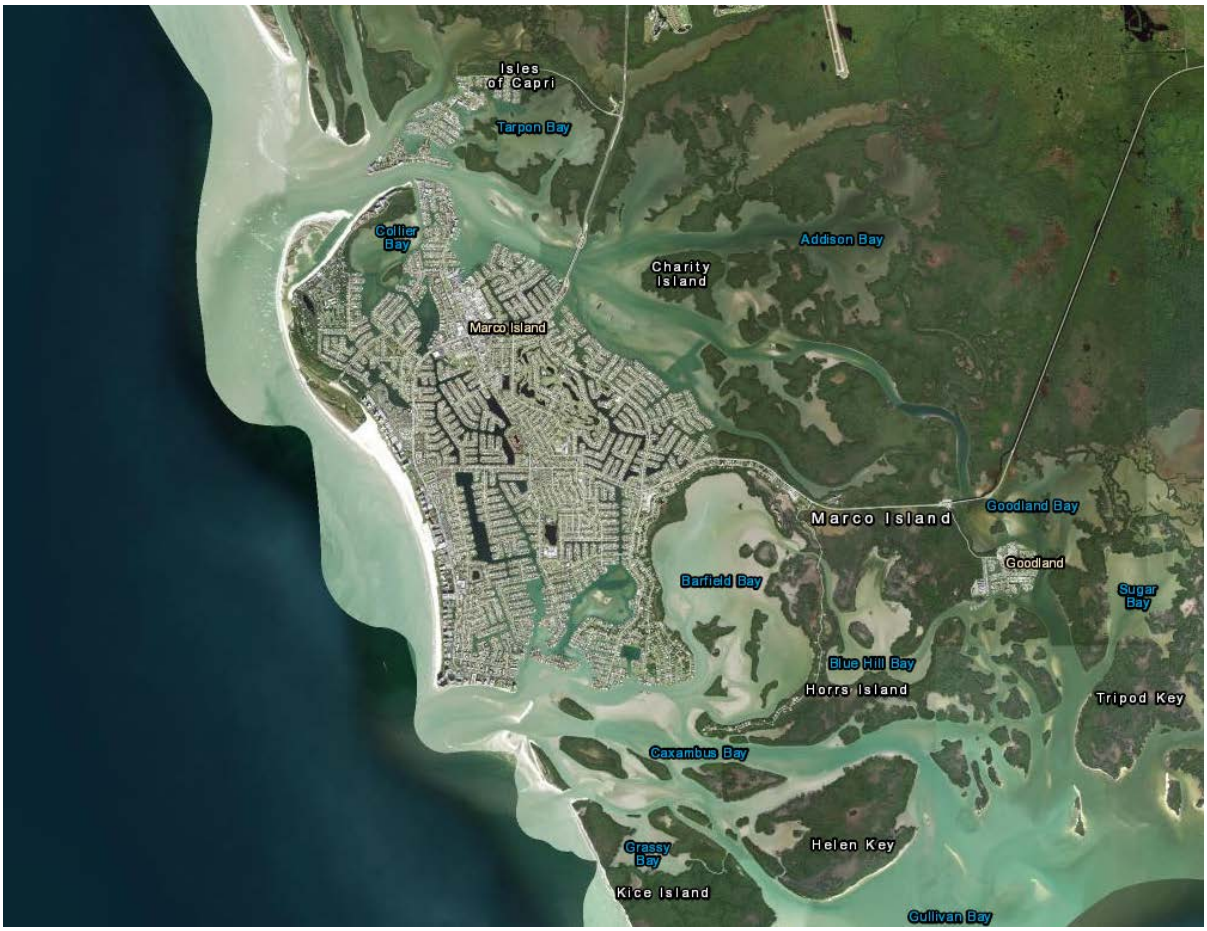
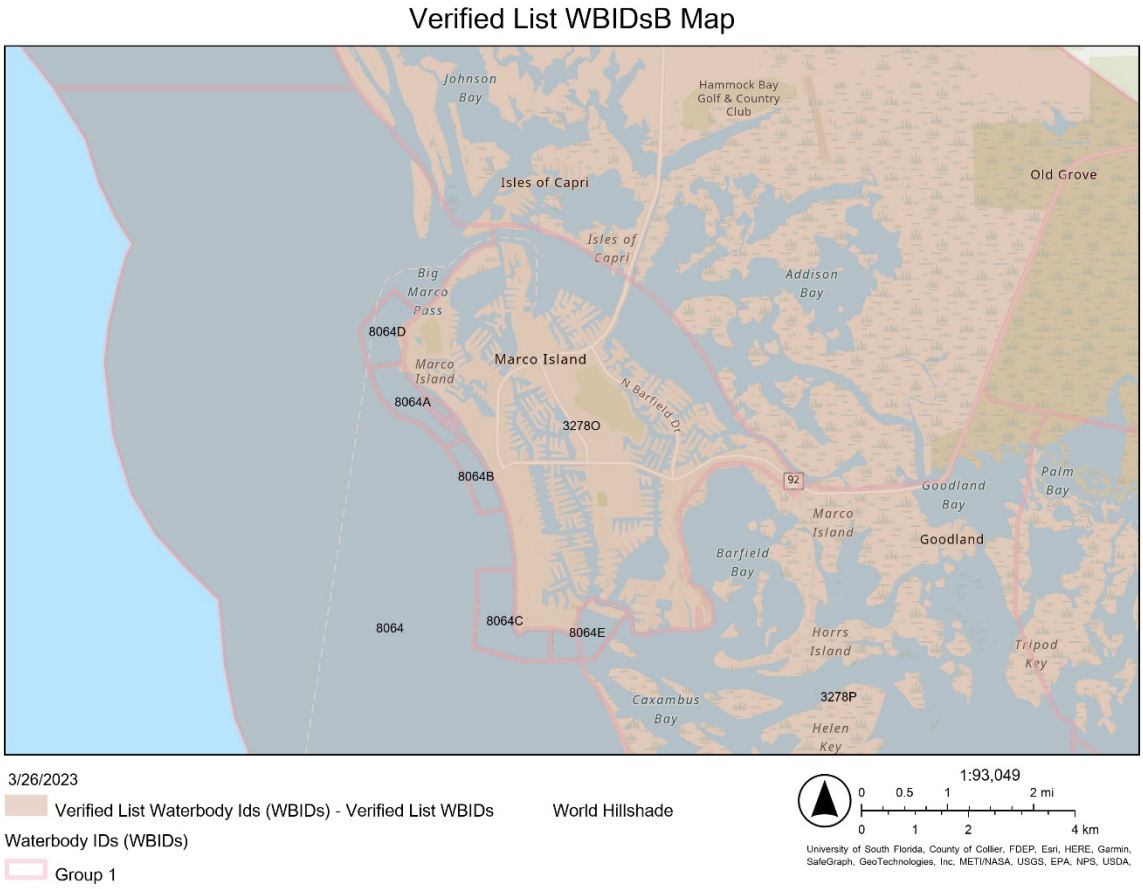


Figure 1. Location Map

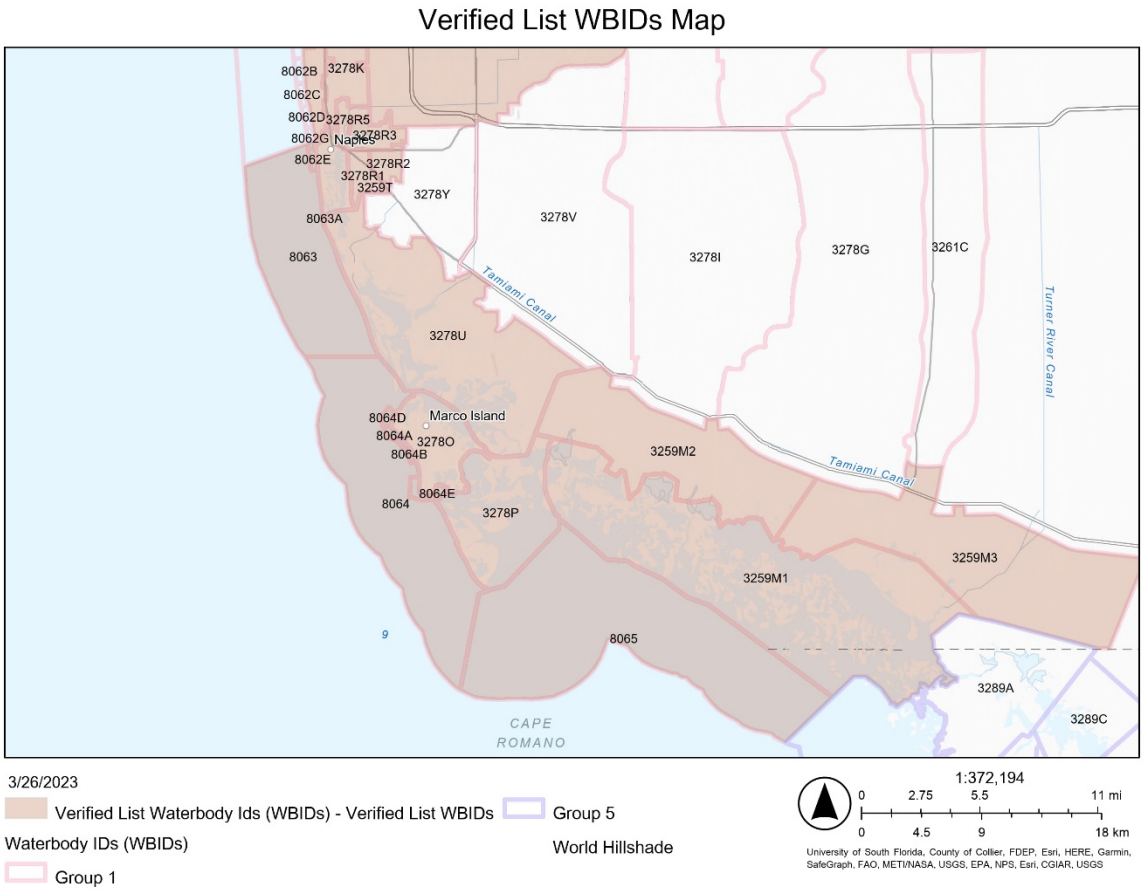
The City of Marco Island is in Collier County, about 20 miles south of Naples, and is the largest barrier island within southwest Florida's Ten Thousand Islands. The City boundary is the main island which is essentially built out with primarily residential and supporting retail land uses. (Source: https://apps.sfwmd.gov/WAB/EnvironmentalMonitoring/index.html)

Figure 2.a Marco Island WBID 3278O contains the City Limits



(Source: FDEP Map Gallery, DEAR group of standard maps. Accessed March 26, 2023. https://ca.dep.state.fl.us/mapdirect/#Division%20of%20Environmental%20Assessment%20and%20Restoration%20(DEAR); standard map base map and shading were adjusted.)

Figure 2.b Larger Scale Map of Impaired WBIDS in the Region



Evidence of Watershed Approach

Area of Effort	The City of Marco Island is working on improving waters across the island in WBID 3278O within the City limits. Collier County also lies in some of this WBID. This 15.6 mi^2 area coincides with the City's Municipal Separate Stormwater Sewer System (MS4) permit. However, the surrounding regional coastal waters may influence the islands' bays, inlets, and canals, especially those by the shoreline to the north, east, and south that are part of the west Everglades drainage basin in Collier County. Most of the mainland shoreline is in undeveloped Collier County. Some of the nearby shore communities (Goodland and Isles of Capri, **Exhibit A-4**) are in the City's sanitary sewer service area and contain septic systems. Note that while Goodland and Isles of Capri are within the sewer service area of the City's water and sewer utility, they are located outside of the City's boundary and are part of Collier County. There are no septic systems within the City of Marco Island city limits. This plan contains selective projects identified by ERD (2021) as potential improvements to ambient water quality. The City intends to focus on items that directly affect the long-term health and quality in the canals and upland stormwater facilities under the City's control. Additional effort will be applied through the MS4 program. However, many capital-intensive changes need financial grant support to implement. An early effort will be to evaluate ways to improve waterway circulation and to reduce water column stagnation that supports nutrient cycling with sediments present at the bottom of canals and waterways. Additional monitoring around the island will continue to track the nutrient levels in and around the island.
Key Stakeholders Involved and Their Roles	City of Marco Island (lead), Collier County (septic zones, adjacent waters, Tigertail Beach park and Caxambas Park and Marina).
Watershed Plan & Other Supporting Documentation	The area includes the watershed drainage area from the City of Marco Island within WBID 3278O (called Marco Island). This WBID is impaired for nutrients (total nitrogen) based on the number of exceedances for the sample size. The characterization outlined in ERD (2021) has provided guidance in evaluating these impairments. This engineering report identified 27 projects and sub-elements that may be feasible. The City plans to proceed with 20 of these recommendations in the near future. Some elements are already part of the MS4 Program and will be continued or enhanced. Best management practices (BMPs) are commonly used to address stormwater and nonpoint sources of nutrients. Some projects need further evaluation on the feasibility and conceptual planning. Monitoring of the waters will be continued, including the four offshore sites.

	The key projects proposed to address the Marco Island WBID are grouped as follows: 1. Stormwater BMPs a. Swale Improvements b. Inlet Filters c. Homeowner Runoff Reductions d. Stormwater Pond Modifications e. Street Sweeping 2. Reclaimed Water Management a. Improved Practices b. Irrigation Public Education 3. Circulation Improvements to Canals a. Clean Existing Culverts b. Investigate New Culverts c. Improve Canal Aeration 4. Water Quality Monitoring 5. Septic Systems A summary of each project is included in **Appendix C**. Any septic system phase-out would be implemented as a regional project to help improve offshore waters, near the coast.
Point Sources and Indirect Source Monitoring (Sites)	The Clean Water Act and state regulations categorize pollutant loadings under two classes: point and nonpoint sources. Point sources can traditionally be associated with outfalls, like from wastewater plants or factories (none exist on Marco Island). However, runoff from urban stormwater is also included as a point source. Even unsewered urban subbasins are considered point sources if they lie in regulated communities (like Marco Island). Point sources are regulated under the National Pollutant Discharge Elimination System (NPDES), which means the pollution sources must have NPDES permits to operate. Marco Island is a stand-alone watershed surrounded by the receiving waters. The entire City is regulated by a Municipal Separate Storm Sewer System (MS4) permit, City of Marco Island Phase II MS4 NPDES Permit ID Number FLR04E151 (Cycle 2). **Appendix D** contains the last annual MS4 report. Currently, Marco Island has 393 storm sewer outfalls, with the vast majority discharging to the canal system. Only one of the outfalls discharges directly to the Gulf of Mexico, with 7 outfalls discharging to Barfield Bay, 10 outfalls discharging to Roberts Bay, 2 outfalls discharging to Caxambas Bay, and 5 outfalls discharging to Collier Bay (**Exhibit A-4** for locations). Most

contributing residential areas use a system of grassed swales to convey surface runoff to the outfalls, and a portion of the generated runoff volume infiltrates into groundwater. Some of the larger private developments have stormwater treatment systems consisting of dry or wet ponds, but there are no large-scale treatment systems present in residential areas.

Note: Generic Permits for stormwater discharge from large and small construction activities are considered temporary; therefore, are not included in this description. Generally, work disturbing an excess of 1 acre is required to obtain coverage for stormwater discharges from the state (General Permit). The City monitors these sites visually for good practices or turbid discharges.

There are no other NPDES permits or point sources on Marco Island that discharge to surface waters.

There is one wastewater treatment plant, the Marco Island Reclaimed Water Production Facility (RWPF). This plant is permitted by FDEP, but there are no direct discharges to receiving water bodies. The population and sewage needs fluctuate seasonally at Marco Island, so the RWPF flow limits are based on a 3-month basis. The plant is permitted to treat a 3-month average daily flow of 4.92 million gallons per day (mgd). Discharge of treated reclaimed water is allowed into two deep underground injection wells, and 2.56 mgd of the 3-month average daily flow may be land-applied for slow-rate irrigation of golf courses, landscape areas, highway medians, rights of way, and business, commercial and industrial parks. Marco Island and the area of Marco Shores comprise the general reclaimed water service area. There are 3 golf courses (major users) which receive up to 0.97 mgd of reclaimed water while the remaining use is considered small (less than 0.1 mgd). One of the golf courses that is on the mainland (Hammock Bay) is outside the WBID. In the past 10 years, the available annual treated wastewater for reclaimed distribution has amounted to only 2.2 mgd. The City supplements irrigation water from its potable system during high demand periods. One golf course (Island Country Club) stores reclaimed water onsite in an unlined pond, while the other two have either a lined pond or a tank for storage. It is possible that irrigation water could reach a surface waterbody through indirect means (overwatering, spills on pavement, and so forth), but not by design.

The MS4 land use is a mixture of urban uses with medium-density residential being the largest area (58 percent). Multi-family and commercial land use comprised 11 and 6 percent of the area, respectively. Mangrove swamp, coastal scrub, tidal flats, forest, and other brushland comprised about 11.5 percent of the land. Regardless of this natural land area, the City is considered built-out. See Table 3-2 in ERD (2021) for more detail.

The City operates its MS4 to control stormwater discharges. Best management practices, structural controls, fertilizer ordinance, public education, and other good housekeeping practices are used to reduce stormwater nutrient contributions to the receiving waters.

	ERD collected runoff data from various sites on Marco Island and estimated that direct stormwater nutrient loading is much less than the nonpoint sources. The nitrogen loading ranged from 2.8 to 8.7 percent of the load in each subbasin (Figure 5-25, ERD 2021).
Nonpoint Sources	Nonpoint sources are defined simply as potential pollutants supplied by other than point sources. They are characterized by their dispersed nature and can include septic, agricultural or natural land use runoff, internal recycling (nutrients), and precipitation. Since the canals and immediate waters around the island are influenced by the MS4, there are very little nonpoint sources from the City. There are substantial nonpoint sources from the nearby mainland that may influence offshore water quality concentrations (**Exhibit A-5**). All septic systems within the Marco Island city limits have been eliminated. However, part of the City's sanitary sewer service area in Isles of Capri and Goodland (both off-island) have on-site waste management tanks (septic). The City would like to provide service to these areas, but the costs to these communities are high and funding support is needed to offset their costs. These locations are outside of the City limits and are located within unincorporated Collier County. More substantial nonpoint sources to regional waters are from the large natural areas on the mainland in Collier County, which is considered part of the West Everglades system. The WBIDs around Marco, north, east, and south, have high nutrient levels but there is limited development. Another potential nonpoint source is direct precipitation on the waterways. ERD assessment of nutrient loadings to Marco Island's waters identified that between 1 to 4 percent of the nitrogen load could be from rainfall. ERD also estimated a high groundwater seepage, which could be derived from a combination of rainfall, reclaimed water, and tidal influences. Jacobs reviewed the basis of the groundwater estimate and agrees that there is considerable uncertainty in the concentrations used for groundwater. Jacobs estimated the agronomic loading from reclaimed water to a lawn and determined that overloading of nutrients by irrigation is unlikely. It is possible that considerable interaction between the tide and groundwater is from offshore influences. In other words, if the waterways are contributing to high baseflow concentrations from groundwater, would the return of this water through seepage in the collection system constitute a source of pollution? Further investigation is warranted on the significance of the groundwater loading. The ERD report also identified stored nutrients in the sediment as the largest source of nitrogen to the waterways. This sink of nutrients is the result of years of accumulation of organic decay and absorbed nutrients in the sediment. More than 60 percent of the nitrogen loading is from the sediment in the canals. Disturbing the sediments could release large amounts of nutrients.

Water Quality Criteria	All receiving waters around Marco Island are considered marine Class II, assigned to sensitive preserves and shellfish propagation. Chapter 62-302.532, Florida Administrative Code (F.A.C.) contains the estuary-specific numeric nutrient criteria. Marco Island's surrounding waters are included in the Rookery Bay/Marco Island criteria (Section 62-302.532(1)(e)3., F.A.C.; estuary nutrient region and segment ENRE3) for total nitrogen (300 µg/L), total phosphorus (46 µg/L), and chlorophyll-a (4.9 µg/L). These are evaluated based on an annual geometric mean for all stations inside the WBID and should not exceed these limits more than once in a 3-year period. There are other conditions related to the collection of data (number of samples and when). Implementation of numeric nutrient criteria is not always clear-cut and there are factors that the narrative criteria can be assessed related to background and non-anthropogenic sources. The City of Marco Island started collecting more background data from around the nearby waters to generate a longer and more expansive dataset. The City intends to explore these relationships further.
Restoration Work	Some of the activities in the proposed list of projects involve public education and emphasizing best practices. These outreach projects are being implemented through the MS4 and utility operations. Additional ongoing projects include replacing and maintenance of the stormwater system, including swale restoration, and inlets and pipes that need replacement.

Critical Milestones/Monitoring

Anticipated Critical Milestone(s) and Completion Dates:	As discussed above, some projects are on-going while others are yet to be fully defined. For the planning and pilot studies, the City will complete the work in 5 years (2029). Some capital projects will require additional funding and budget approvals from the City Council. Grants will be sought to help implement these projects. Project 1. Stormwater. The City will initiate the identification of swale and stormwater inlet improvements in 2024. MS4 and utility materials will be reviewed, and improvements will be initiated in 2024. The City purchased a street sweeper and commenced increased sweeping on July 6, 2023. Project 2. Reclaimed Water. Inspections and operation and maintenance activities have already begun. Opportunities to improve operations are being evaluated. Project 3. Circulation. The City is replacing some outfalls now. The City will also start a hydrodynamic simulation effort of the main canal system in 2023. This tool will help identify further actions. An initial pilot study of an aeration system (more than one location) should be

	initiated in 2024 pending grant funding. The pilot study will include a project execution plan which includes project-specific monitoring of the locations. Project 4. Water Quality Monitoring is ongoing. Project 5. Septic Systems. It is a costly and time-consuming project to complete the connection of existing onsite septic systems (OSS) to the City's utility. This work is expected to take longer than 5 years. This will require more funding and public outreach than the other BMPs and pilot studies. The City will consult with the County and public on this issue and keep FDEP apprised of the progress. A table with the anticipated activity per fiscal year is in **Appendix C** (end). This table also lists the type of reporting that will be done for each project. Per discussions with FDEP, a short annual status report is anticipated. In Year 3 (July 2026), the City will prepare a longer report on the status of these projects, including a list of accomplishments, remaining tasks, and further actions, as applicable. The report will also summarize the water quality data collected since 2020 and assess any trends and comparisons. New milestones and projects will be established at that time, if needed.
Monitoring Component	The City of Marco Island samples and tests nearshore and inland canal waters at 14 locations and offshore waters at four additional locations quarterly. Project #4 generally describes the program. The City contracts with a Florida-certified laboratory (Advanced Environmental Laboratories, Inc., FDOH certification # E82574-86) to perform sampling and data analysis and to upload the results to FDEP's WIN database. Details about the program are provided in **Appendix E**.

Other Key Dates

Estimated Date for Delisting from Verified List or Removal from Study List	The WBID is in the state's Group 1 Basin in the FDEP Southwest District. The next biennial assessment cycle is ongoing and scheduled for completion in the spring of 2024. Marine and estuarine waters require substantial data to sufficiently assess regional conditions. The City's water quality data monitoring will be available to FDEP to assess the WBID. If future data shows improvement or other factors leading to a determination that the WBID is not impaired, FDEP is expected to request the WBID be delisted from the federal 303(d) list (if applicable).

Financial Commitments

Estimated Implementation Cost	Funding for capital projects and operations is part of the City's annual budget approved by City Council. The City's currently allocates about $700,000 per year toward stormwater capital projects. The City's current annual operating labor budget for public works is approximately $1,200,000. The City estimates 30 to 40 percent of the Public Works labor is directed toward stormwater related operations (approximately $420,000 per year). The current annual stormwater related maintenance operating budget is $200,000. These capital projects and operations budgets are separate funding sources for stormwater related projects and activities. The Public Works Department contracts the design and construction of stormwater and water quality projects and allocates funds to be used in a specific year, so funds can be utilized across multiple fiscal years. For example, during fiscal year (FY) 2023, stormwater projects at about $1M were funded by utilizing accumulated funds remaining unused from previous years. Projects expenditures this year were driven by repair and replacement (R&R) of infrastructure, with water quality treatment components included (example: stormwater inlet inserts). At $700,000 per year, the accumulated total funding over a 5-year period is approximately $3.5M. The City purchased a street sweeper for $363,000 and the associated annual operating cost is approximately $90,000 per year (staff, maintenance, disposal fees). The City includes inlet trash inserts in most new projects and has about 1,350 installed to date. Each year the City cleans the inserts prior to wet season. The operating costs for cleaning inlets are included in the City's current budget. The City contracts the water quality monitoring work out of its capital budget at $60,000 per year. New swale modifications are normally about $100,000 per year; and new and replacement inlets cost about $10,000 per year (about $550,000 over 5 years). If the capital budget must include the street sweeper operations the above normal capital items add up to be about $260,000 per year ($1.3M over 5 years). This leaves little surplus for new projects. There will be a continued need for R&R of existing infrastructure. Since certain R&R activities could be urgent, the Public Works stormwater budget will be reassessed to determine how to maintain the existing capital needs while funding water quality projects. Design and construction costs will vary with the BMP proposed. The City has obtained grant funding to assist in building a pilot aeration system for the canals ($275,000) and to evaluate and implement better circulation with culverts ($400,000). Grant funding requires a 50 percent match so the budget will include additional line-item requests to fully fund these two items. Pond modification for littoral zones ($500,000) will be delayed long enough to determine the costs of the these first two projects (about 1 year). The overall cost of these new items will be about $1,175M, or about $235,000 per year over 5 years. Eliminating septic systems is estimated to cost about $12M for Isles of Capri and $3.6M for Goodland, for a total of $15.6M. Funding for new

	utilities must be met through a combination of City utility enterprise funds, homeowners, and outside grants. Additional activities related to MS4 or the reclaimed water system will be borne by the normal annual budgets of the respective City departments operating budget. From the list above, the City has committed to spend about $520,000 during FY2023 when counting the sweeper, one-year sweeper operation, water quality monitoring, and other capital items. The other ongoing water quality monitoring, swale and inlet work will cost about $1.3M for the next 5 years. The 4e program has so far identified another $1.175M in projects. This 5-year cost totals about $2.475M in City capital funds, plus another $675,000 in grants obtained to date; or over $3.5M between 2023 and 2029. Additional grant funding will allow the City to implement additional stormwater or canal BMPs. There is also $15.6M dollar cost to phase out septic systems on off-island communities in Collier County. While these areas are not directly in WBID 3278O, they are adjacent to other impaired waters near Marco Island. This work cannot go forward without a concerted interagency effort between the City, County, and State.
Land Acquisition (if applicable)	**Funding Source:** No land acquisition is currently anticipated. If a project is determined to need additional easements, then the cost will be assigned to the capital budget. Total……..$____0___
Design and Construction (if applicable)	**Funding Source:** Some activities are low-cost operational changes or maintenance that is included in the City's operating budget from either its MS4 or utility work. As described above, the City will fund most projects out of its Public Works capital budget, with supplemental grant funding. Not all potential projects have been identified to date, but the available funding will limit expansion unless additional grants are obtained. Total……..$___3.5M____

References:

Environmental Research & Design, Inc. (ERD) 2021. Marco Island Nutrient Source Evaluation Project. Prepared for the City of Marco Island, September. https://www.cityofmarcoisland.com/bc-wc/page/nutrient-source-evaluation-project-dr-harvey-h-harper-iii

Florida Department of Environmental Protection (FDEP) web map, accessed 1/19/2023 Verified List WBIDs and TMDLs Map (arcgis.com)

Appendix A. Exhibits

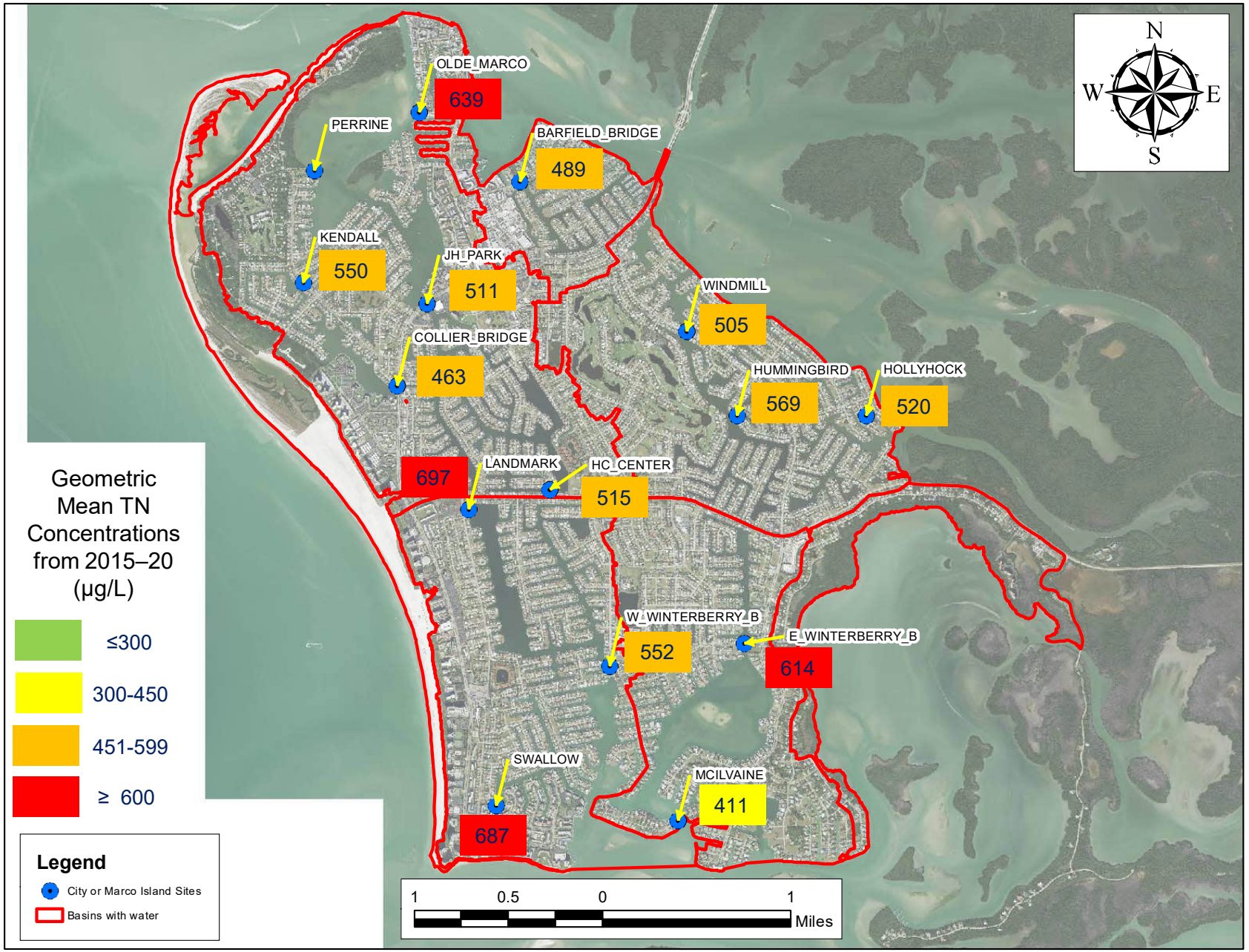


Figure 2-3. Mean Annual Total Nitrogen Concentrations in Marco Island Waterways from 2015-2020.

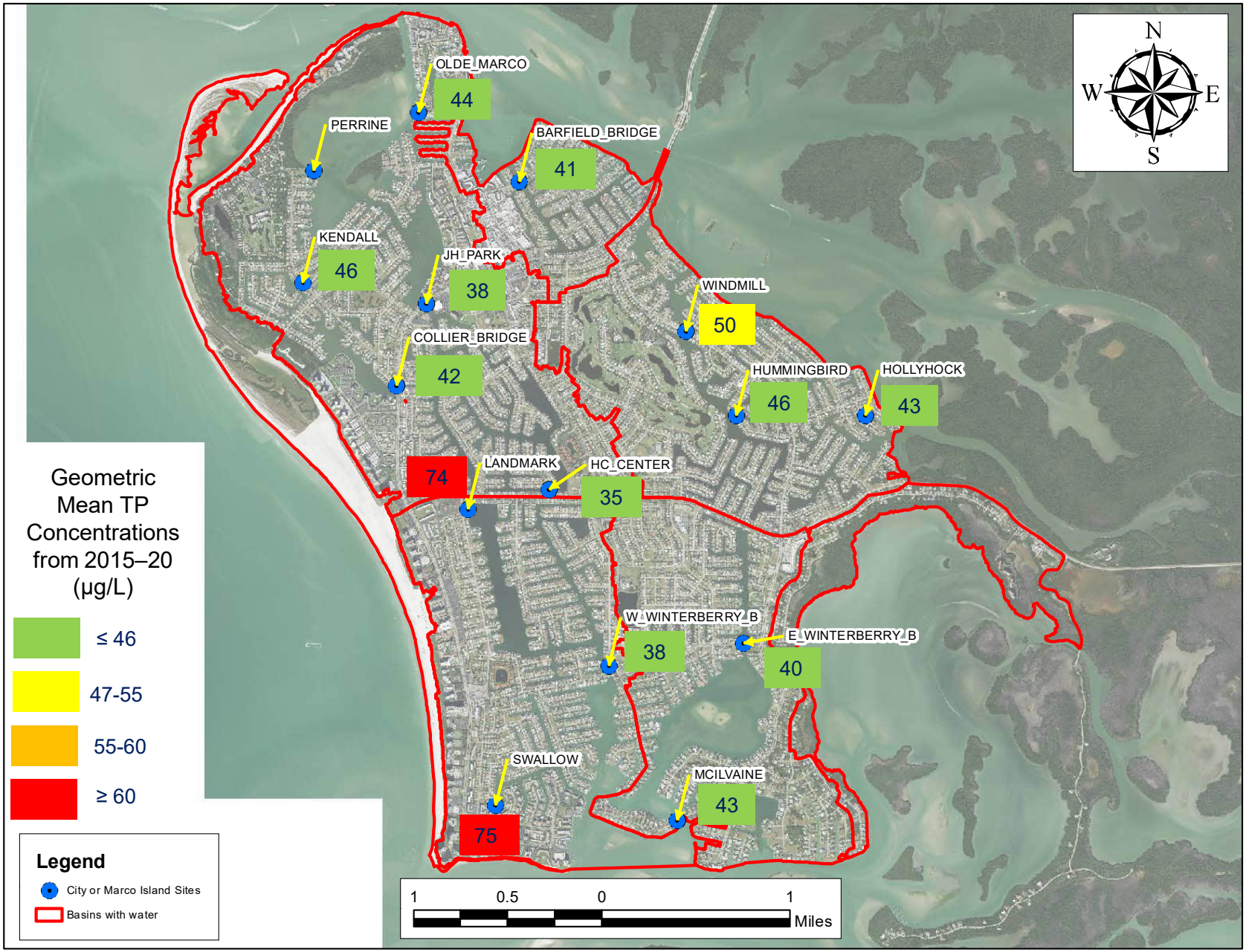
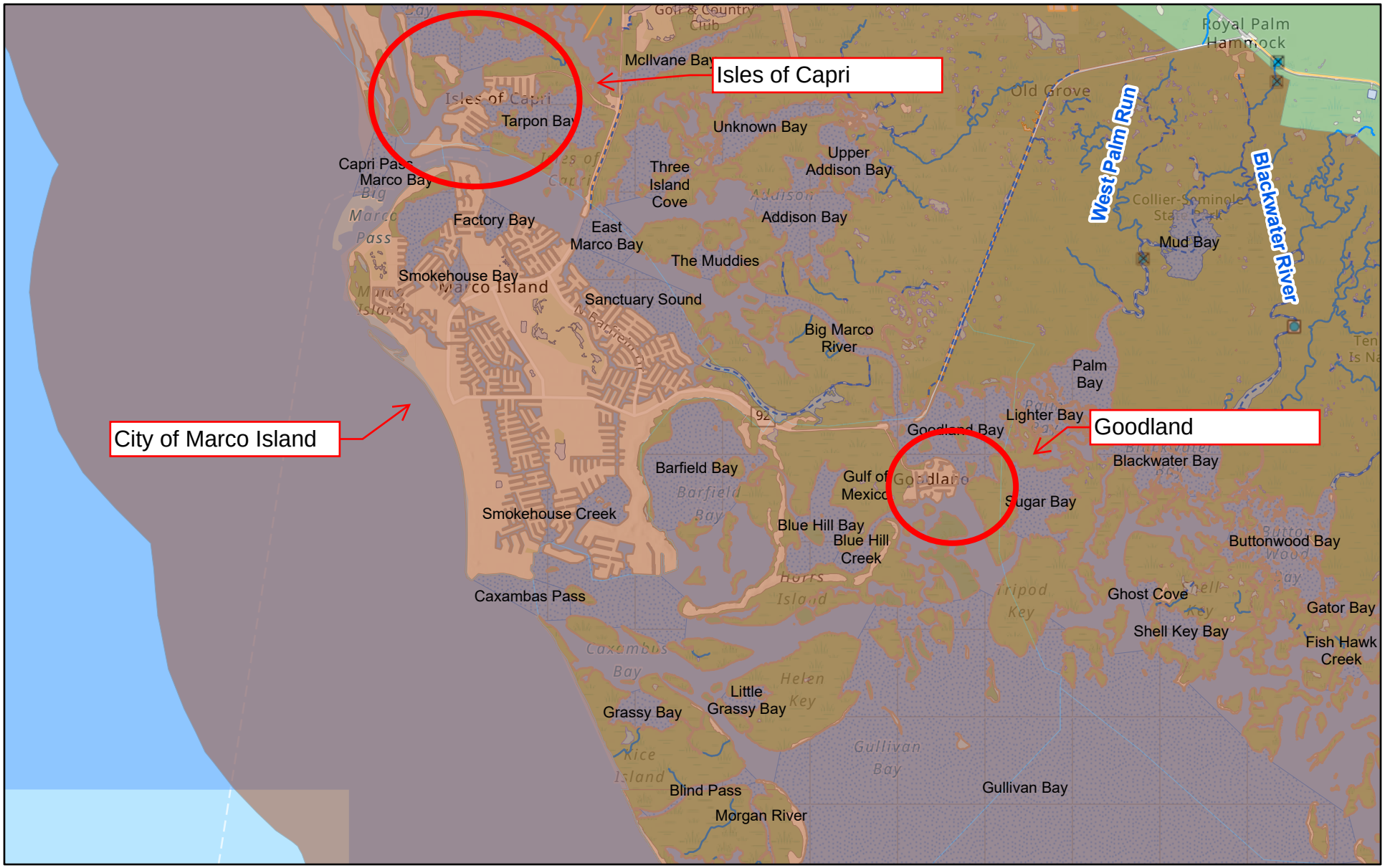


Figure 2-4. Mean Annual Total Phosphorus Concentrations in Marco Island Waterways from 2015-2020.

Figure 2-5. Mean Annual Chlorophyll-a Concentrations in Marco Island Waterways from 2015-2020.

Exhibit A-4. Names of Nearby Places



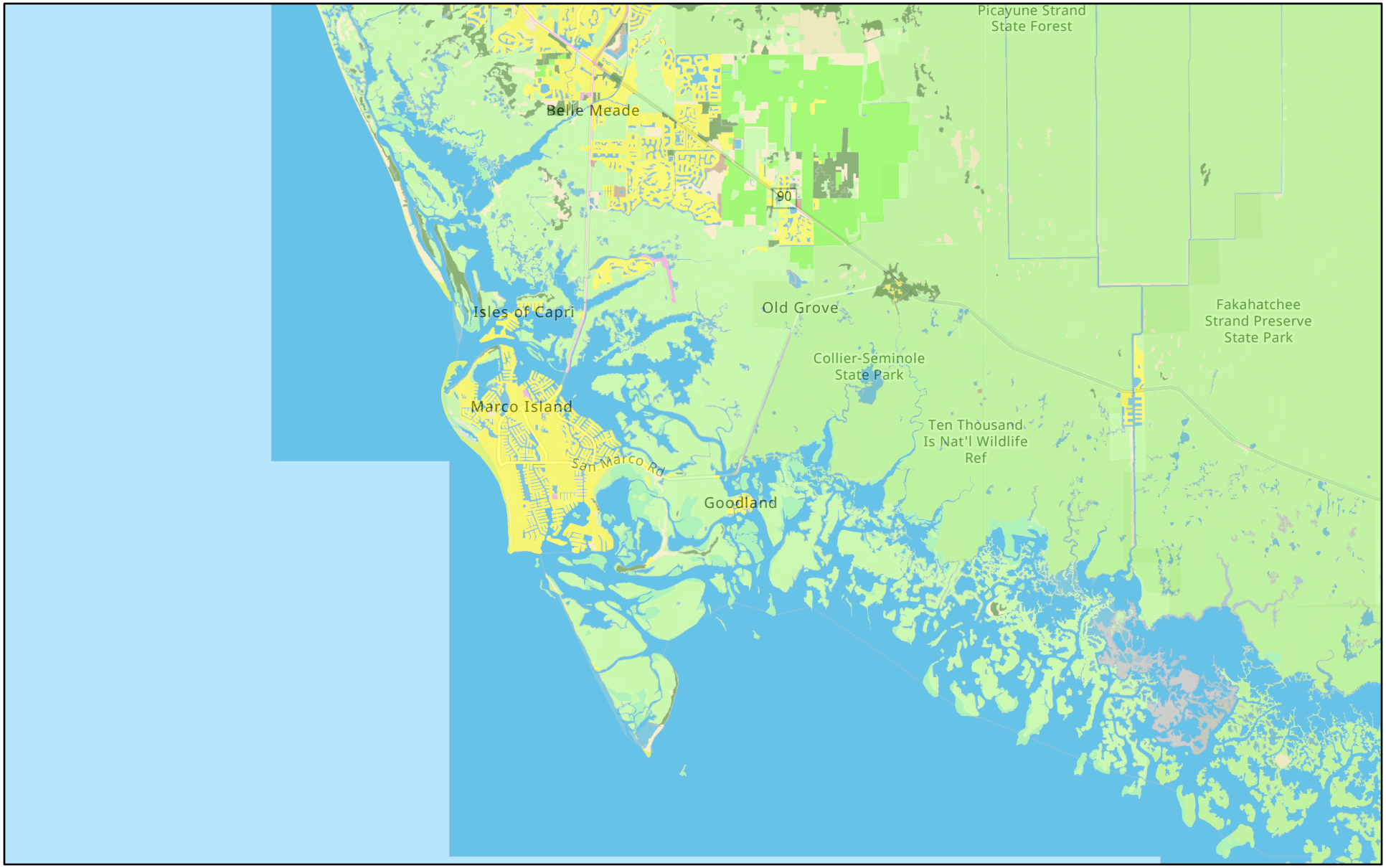
1/19/2023

1:106,049

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

Exhibit A-5 Regional Land Use Surrounding Marco Island, Collier County, Florida



2/24/2023

SFWMD LCLU 2017 2019

- Urban and Built-Up
- Transportation, Communication & Utilities
- Barren Land
- Upland Nonforested
- Upland Forests
- Agriculture
- Wetlands
- Water

1:212,098

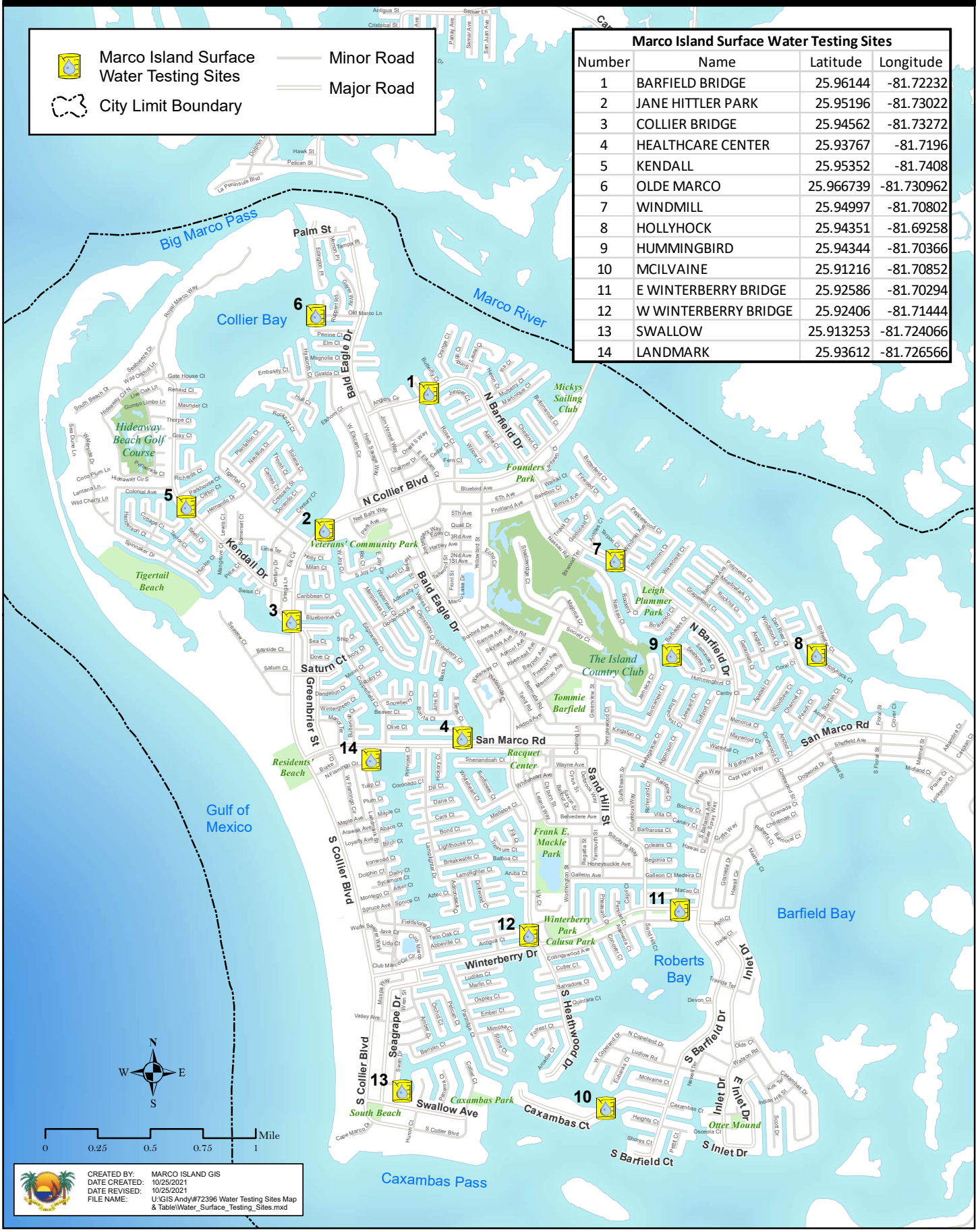
0 1.5 3 6 mi

0 2.5 5 10 km

University of South Florida, County of Collier, FDEP, Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, CGIAR, USGS

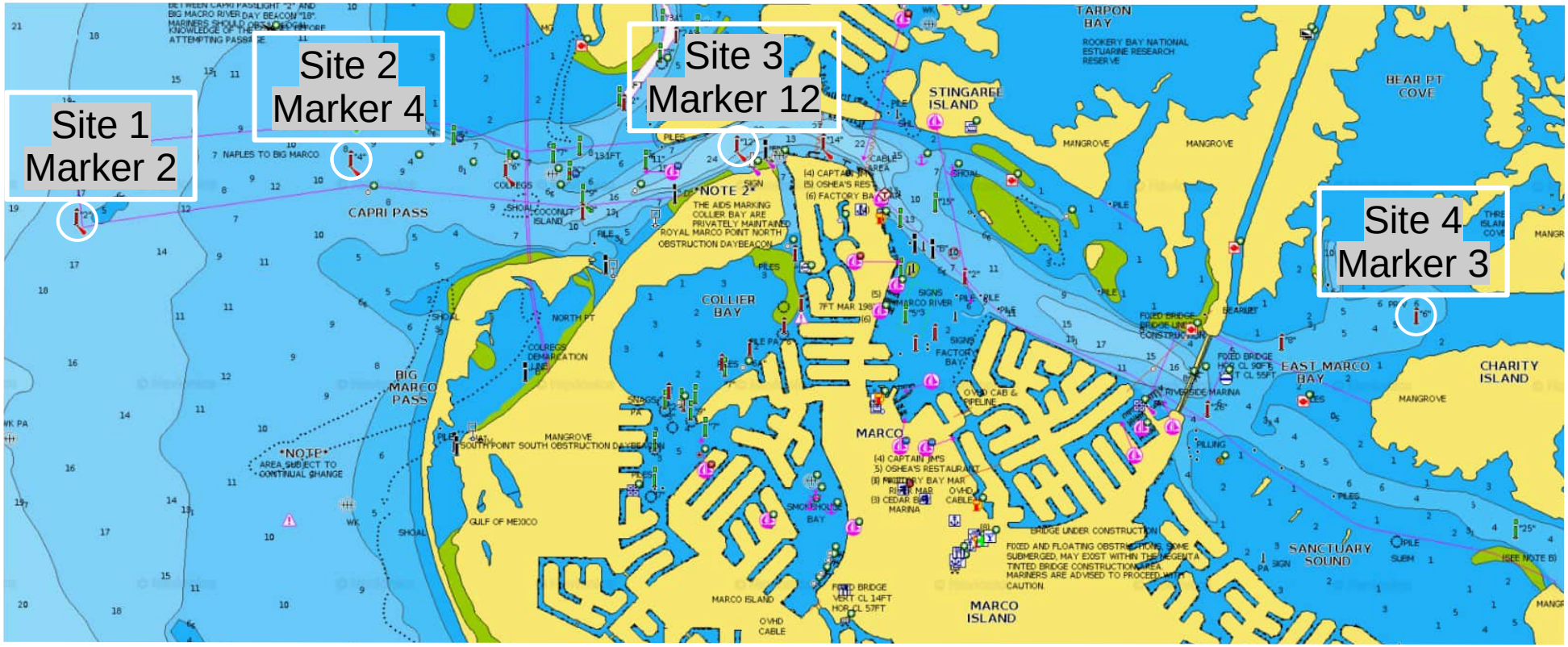
Appendix B. Recent Water Quality Data

Marco Island Surface Water Testing Sites



Marco Island Surface Water Testing Sites			
Number	Name	Latitude	Longitude
1	BARFIELD BRIDGE	25.96144	-81.72232
2	JANE HITTLER PARK	25.95196	-81.73022
3	COLLIER BRIDGE	25.94562	-81.73272
4	HEALTHCARE CENTER	25.93767	-81.7196
5	KENDALL	25.95352	-81.7408
6	OLDE MARCO	25.966739	-81.730962
7	WINDMILL	25.94997	-81.70802
8	HOLLYHOCK	25.94351	-81.69258
9	HUMMINGBIRD	25.94344	-81.70366
10	MCILVAINE	25.91216	-81.70852
11	E WINTERBERRY BRIDGE	25.92586	-81.70294
12	W WINTERBERRY BRIDGE	25.92406	-81.71444
13	SWALLOW	25.913253	-81.724066
14	LANDMARK	25.93612	-81.726566

Offshore Sampling Sites, beginning Nov. 2022



Site 1 – Marker 2 – N25* 58’ 15” W81* 46’ 17”
Site 2 – Marker 4 – N25* 58’ 26” W81* 45’ 22”
Site 3 – Marker 12 – N25* 58’ 28” W81* 44’ 06”
Site 4 – Marker 3 – N25* 57’ 58” W81* 41’ 51”

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

All Stations Geomean, mg/L

Analyte	CAS #	Units	MWCTL	2021	2022
CORRECTED CHLOROPHYLL a	CORR-CHL-A	ppmv	<4.9	4.2	3.1

MWCTL = Marine Surface Water Cleanup Target Level (Client provided control limits - Marco)*

	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	Mcilvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
Minimum	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Maximum	10.0	8.0	7.2	10.0	6.4	8.0	14.0	15.0	34.0	27.0	14.0	12.0	4.8	39.0	38.0	2.5
Average	4.1	4.0	3.6	3.9	3.4	3.2	5.1	4.6	5.3	3.9	4.1	3.8	3.0	5.9	6.2	2.5
Median	3.4	3.2	3.2	2.5	2.5	2.5	4.8	3.2	3.2	2.5	2.5	3.2	2.5	3.2	2.9	2.5
Std. Deviation	1.9	1.7	1.3	2.2	1.3	1.2	2.7	3.0	6.2	4.7	3.4	2.0	0.8	8.1	7.6	0.0
Geomean	3.7	3.7	3.4	3.5	3.2	3.0	4.5	3.9	4.0	3.1	3.5	3.5	2.9	4.0	4.3	2.5
Count	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	0.472	0.427	0.355	0.558	0.372	0.396	0.538	0.665	1.172	1.196	0.811	0.535	0.262	1.361	1.225	0
Total > target	2	3	2	4	3	0	7	4	4	3	3	4	0	2	3	0
2021 Geomean	3.7	3.8	3.6	4.0	3.2	2.8	5.1	4.8	5.7	4.2	4.6	3.8	3.1	6.5	6.6	2.5
2022 Geomean	3.6	3.6	3.2	3.1	3.2	2.9	4.0	3.4	3.1	2.6	2.7	3.3	2.8	2.8	2.9	2.5

Corrected Chlorophyll a

Date	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	Mcilvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
10/22/2020	4	7.2	5.6	5.6	4.8	4	6.4	7.2	4.8	2.5	2.5	5.6	4	3.2	8.8	2.5
11/23/2020	3.6	3.2	2.5	2.5	2.5	2.5	4.0	2.5	2.5	2.5	3.2	2.5	2.5	3.2	4.0	2.5
12/10/2020	10.0	2.5	2.5	2.5	2.5	8.0	4.8	2.5	2.5	2.5	2.5	2.5	2.5	3.2	2.5	2.5
1/21/2021	5.0	5.6	4.8	2.5	2.5	2.5	5.1	2.5	9.6	2.5	2.5	2.5	2.5	6.4	6.4	2.5
2/18/2021	7.1	3.2	2.5	8.8	2.5	3.2	2.5	5.6	3.2	4.0	4.8	4.0	4.8	16.0	18.0	2.5
3/18/2021	3.2	2.5	2.5	2.5	2.5	2.5	2.5	4.8	4.0	2.5	2.5	2.5	3.2	25.0	19.0	2.5
4/19/2021	2.5	2.5	2.5	2.5	2.5	2.5	3.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5/17/2021	3.2	4.0	4.0	3.2	4.0	2.5	4.0	4.0	2.5	2.5	3.2	4.8	4.8	6.4	7.2	2.5
6/21/2021	8.8	7.2	4.8	2.5	3.2	5.6	12.0	7.2	13.0	6.4	12.0	12.0	3.2	6.4	7.2	2.5
7/19/2021	2.5	4.8	4.8	5.6	2.5	2.5	8.8	6.4	8.0	5.6	5.6	4.0	4.0	3.2	4.0	2.5
8/16/2021	2.5	4.0	7.2	4.0	4.8	2.5	5.6	12.0	4.8	27.0	14.0	5.6	2.5	4.0	5.6	2.5
9/16/2021	5.6	8.0	4.0	10.0	3.2	2.5	14.0	15.0	34.0	7.2	14.0	6.4	4.0	2.5	2.5	2.5
10/14/2021	3.2	2.5	2.5	8.8	4.8	2.5	4.0	2.5	4.0	2.5	3.2	2.5	2.5	4.0	4.8	2.5
11/11/2021	3.2	3.2	2.5	2.5	2.5	2.5	4.8	4.0	4.0	4.0	4.0	2.5	2.5	4.0	2.5	2.5
12/27/2021	2.5	2.5	4.0	3.2	5.6	3.2	4.8	2.5	5.6	2.5	2.5	2.5	2.5	39.0	38.0	2.5
1/26/2022	2.5	3.2	2.5	3.2	2.5	4.0	2.5	2.5	3.2	2.5	2.5	2.5	2.5	2.5	3.2	2.5
2/24/2022	2.5	2.5	2.5	2.5	2.5	2.5	4.8	4.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
3/24/2022	3.2	2.5	3.2	2.5	2.5	3.2	3.2	3.2	4.0	3.2	2.5	2.5	2.5	2.5	2.5	2.5
4/21/2022	2.5	4.0	4.8	2.5	2.5	2.5	5.6	4.8	7.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5/23/2022	4.8	4.8	2.5	2.5	2.5	2.5	4.8	3.2	3.2	2.5	4.0	3.2	2.5	2.5	2.5	2.5
6/20/2022	5.6	3.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.2	2.5	2.5	2.5	2.5
7/20/2022	2.5	3.2	2.5	2.5	6.4	2.5	3.2	2.5	2.5	2.5	2.5	5.6	2.5	6.4	2.5	2.5
8/18/2022	4.0	4.0	2.5	4.0	2.5	2.5	3.2	3.2	2.5	2.5	4.0	3.5	4.0	2.5	2.5	2.5
9/20/2022	4.0	5.6	4.0	4.8	4.8	4.8	2.5	2.5	2.5	2.5	2.5	4.0	2.5	2.5	2.5	2.5
10/22/2022	4.0	7.2	5.6	5.6	4.8	4.0	6.4	7.2	4.8	2.5	2.5	5.6	4.0	3.2	8.8	2.5
11/17/2022	4.0	2.5	3.2	2.5	5.6	2.5	6.4	2.5	2.5	2.5	2.5	2.5	4.0	2.5	3.2	2.5
12/1/2022	4.8	3.2	4.0	4.0	2.5	2.5	6.4	4.8	2.5	2.5	2.5	3.2	2.5	2.5	2.5	2.5
1/16/2023	2.5	2.5	4.0	2.5	2.5	3.2	4.0	2.5	2.5	2.5	4.0	3.2	2.5	2.5	2.5	2.5

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

Analyte	CAS #	Units	MWCTL	All Stations Geomean, mg/L 2021	2022
ENTEROCOCCUS	ENTEROCOCCUS	MPN/100mL	<130	14.2	16.8

MWCTL = Marine Surface Water Cleanup Target Level (Client provided control imits - Marco)*

Minimum	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
Maximum	145	158	63	120	62	50	187	794	717	683	743	144	110	213	221	10
Average	20.321	30.036	19	19	16	14	21	44.5	46	40.2	83.4	18	26	38	39	1.964
Median	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
Std. Deviation	28.345	43.876	17	23	14	11	34	147	137	126.7	190.1	26.85	28	53	53	2.835
Geomean	13.725	17.072	15	14	13	12	14	16.1	15	15.5	22.4	12.65	17	20	21	1.28
Count	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	1.3948	1.4608	0.9	1.2	0.9	0.8	1.7	3.31	3	3.2	2.3	1.492	1.1	1.4	1.4	1.443
Total > target	1	3	0	0	0	0	1	1	1	1	3	1	0	1	1	0

	Enterococcus															
Date	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
10/22/2020	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1
11/23/2020	10	10	10	10	10	10	20	10	201	10	10	10	110	10	10	1
12/10/2020	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
1/21/2021	10	10	10	10	10	31	10	10	10	10	10	10	31	10	10	1
2/18/2021	10	20	10	10	10	10	10	10	10	10	10	10	20	10	41	1
3/18/2021	10	31	10	20	10	10	10	20	10	30	31	10	85	134	128	1
4/19/2021	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5/17/2021	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
6/21/2021	10	10	10	10	10	10	10	31	10	10	743	10	20	155	145	10
7/19/2021	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
8/16/2021	10	158	63	30	10	10	30	10	20	10	51	10	10	213	221	1
9/16/2021	10	20	20	10	10	10	10	10	10	10	185	10	10	20	20	1
10/14/2021	145	158	63	10	62	20	10	31	10	10	20	10	63	10	10	1
11/11/2021	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
12/27/2021	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
1/26/2022	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
2/24/2022	31	10	10	10	10	10	10	10	10	10	10	10	10	74	75	1
3/24/2022	10	10	31	10	31	10	10	10	10	20	10	10	10	10	10	1
4/21/2022	10	10	10	10	10	10	10	20	10	10	10	20	10	10	10	1
5/23/2022	10	10	10	20	10	10	10	10	10	20	10	10	10	20	20	1
6/20/2022	63	133	20	120	20	10	187	794	717	683	695	144	41	20	20	1
7/20/2022	10	10	10	20	10	10	10	10	20	10	10	10	10	41	41	1
8/18/2022	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
9/20/20222	10	10	10	10	10	10	10	20	10	10	30	10	10	10	10	1
10/22/2022	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1
11/17/2022	10	10	10	10	10	10	20	10	10	20	10	10	10	10	10	1
12/1/2022	10	31	41	10	10	10	10	41	10	52	300	10	85	120	120	1
1/16/2023	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

Analyte	CAS #	Units	MWCTL	All Stations Geomean, mg/L 2021	2022
TOTAL NITROGEN	TN-CALC	mg/L	<0.3	0.30	0.24

MWCTL = Marine Surface Water Cleanup Target Level (Client provided control imits - Marco)*

	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
Minimum	0.01	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.01
Maximum	0.73	0.48	0.50	0.47	0.48	0.50	0.59	0.63	0.62	0.70	0.54	0.48	0.84	0.77	0.75	0.66
Average	0.29	0.29	0.28	0.29	0.31	0.26	0.35	0.37	0.33	0.30	0.29	0.26	0.37	0.35	0.35	0.16
Median	0.31	0.32	0.30	0.34	0.35	0.29	0.38	0.41	0.38	0.31	0.33	0.29	0.39	0.32	0.32	0.12
Std. Deviation	0.16614	0.119	0.121	0.124	0.118	0.098	0.14	0.142	0.16	0.1482	0.1425	0.119	0.176	0.217	0.196	0.113
Geomean	0.21762	0.263	0.251	0.262	0.279	0.242	0.312	0.338	0.287	0.2664	0.2505	0.234	0.324	0.282	0.297	0.133
Count	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	0.57793	0.408	0.43	0.423	0.386	0.373	0.404	0.382	0.482	0.4888	0.4916	0.454	0.478	0.624	0.56	0.721
Total > target	8	11	9	9	12	7	14	15	13	10	11	7	12	8	7	2
2021 Geomean	0.28	0.28	0.26	0.31	0.33	0.27	0.31	0.32	0.28	0.28	0.25	0.26	0.39	0.33	0.38	0.10
2022 Geomean	0.15	0.24	0.23	0.22	0.23	0.22	0.31	0.38	0.28	0.26	0.27	0.20	0.26	0.23	0.22	0.17

Total Nitrogen (mg/L)

Date	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
10/22/2020	0.35	0.45	0.40	0.40	0.37	0.33	0.42	0.42	0.38	0.36	0.40	0.36	0.41	0.71	0.59	0.20
11/23/2020	0.36	0.28	0.35	0.39	0.43	0.29	0.43	0.32	0.48	0.30	0.12	0.36	0.36	0.35	0.44	0.12
12/10/2020	0.51	0.33	0.35	0.31	0.37	0.30	0.39	0.34	0.38	0.27	0.33	0.38	0.48	0.46	0.45	0.12
1/21/2021	0.40	0.43	0.36	0.42	0.35	0.38	0.12	0.47	0.12	0.32	0.40	0.35	0.47	0.65	0.49	0.12
2/18/2021	0.50	0.48	0.44	0.45	0.44	0.37	0.47	0.47	0.51	0.50	0.49	0.37	0.76	0.48	0.71	0.12
3/18/2021	0.38	0.34	0.27	0.37	0.22	0.26	0.34	0.12	0.22	0.12	0.12	0.15	0.36	0.77	0.75	0.11
4/19/2021	0.12	0.12	0.24	0.12	0.27	0.12	0.12	0.12	0.12	0.12	0.12	0.22	0.12	0.12	0.36	0.12
5/17/2021	0.23	0.12	0.12	0.24	0.12	0.24	0.12	0.21	0.12	0.31	0.12	0.12	0.12	0.12	0.23	0.12
6/21/2021	0.73	0.41	0.50	0.35	0.43	0.50	0.51	0.59	0.38	0.36	0.54	0.47	0.42	0.58	0.36	0.12
7/19/2021	0.49	0.43	0.23	0.42	0.34	0.38	0.54	0.50	0.35	0.45	0.45	0.37	0.48	0.32	0.32	0.12
8/16/2021	0.32	0.31	0.34	0.47	0.38	0.32	0.39	0.46	0.56	0.44	0.50	0.24	0.84	0.36	0.21	0.12
9/16/2021	0.30	0.40	0.46	0.44	0.42	0.27	0.55	0.51	0.51	0.41	0.12	0.29	0.52	0.21	0.27	0.12
10/14/2021	0.03	0.32	0.12	0.33	0.39	0.25	0.34	0.38	0.12	0.12	0.25	0.12	0.41	0.42	0.34	0.12
11/11/2021	0.22	0.12	0.12	0.12	0.32	0.25	0.38	0.20	0.45	0.21	0.12	0.24	0.41	0.12	0.28	0.01
12/27/2021	0.39	0.32	0.34	0.38	0.48	0.12	0.42	0.37	0.56	0.54	0.37	0.48	0.51	0.62	0.74	0.22
1/26/2022	0.03	0.32	0.31	0.36	0.12	0.31	0.32	0.63	0.62	0.37	0.36	0.12	0.29	0.26	0.28	0.66
2/24/2022	0.28	0.27	0.30	0.27	0.22	0.31	0.21	0.33	0.12	0.12	0.31	0.29	0.39	0.12	0.25	0.12
3/24/2022	0.30	0.37	0.30	0.37	0.36	0.29	0.59	0.52	0.41	0.36	0.32	0.33	0.38	0.49	0.36	0.32
4/21/2022	0.36	0.34	0.27	0.12	0.35	0.22	0.45	0.42	0.42	0.27	0.37	0.31	0.34	0.12	0.33	0.24
5/23/2022	0.33	0.32	0.43	0.37	0.41	0.30	0.38	0.41	0.38	0.39	0.37	0.38	0.36	0.53	0.54	0.12
6/20/2023	0.35	0.32	0.12	0.12	0.35	0.29	0.12	0.50	0.32	0.12	0.42	0.31	0.12	0.32	0.12	0.12
7/20/2022	0.22	0.24	0.31	0.29	0.41	0.30	0.44	0.41	0.42	0.70	0.40	0.12	0.25	0.25	0.12	0.12
8/18/2022	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.26	0.20	0.18	0.12	0.13	0.12	0.12	0.18	0.12
9/20/2022	0.12	0.12	0.12	0.21	0.12	0.14	0.33	0.45	0.36	0.25	0.12	0.12	0.12	0.12	0.12	0.12
10/22/2022	0.35	0.45	0.40	0.40	0.37	0.33	0.42	0.42	0.38	0.36	0.40	0.36	0.41	0.71	0.59	0.20
11/17/2022	0.12	0.12	0.12	0.15	0.15	0.12	0.36	0.31	0.12	0.31	0.26	0.12	0.44	0.21	0.12	0.14
12/1/2022	0.01	0.21	0.29	0.12	0.18	0.12	0.21	0.15	0.12	0.12	0.12	0.12	0.22	0.12	0.12	0.12
1/16/2023	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.17	0.12	0.12	0.12	0.24	0.12	0.12	0.12

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

Analyte	CAS #	Units	MWCTL	All Stations Geomean, mg/L 2021	2022
TOTAL PHOSPHORUS (AS P)	7723-14-0|TP	mg/L	<0.046	0.02	0.02

MWCTL = Marine Surface Water Cleanup Target Level (Client provided control imits - Marco)*

	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	Mcilvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
Minimum	0.003	0.005	0.005	0.005	0.005	0.005	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Maximum	0.118	0.265	0.100	0.183	0.346	0.098	0.137	0.100	0.123	0.113	0.140	0.108	0.161	0.490	0.490	0.095
Average	0.023	0.051	0.027	0.033	0.040	0.030	0.025	0.027	0.024	0.033	0.042	0.036	0.044	0.069	0.063	0.011
Median	0.009	0.030	0.019	0.012	0.025	0.016	0.011	0.021	0.016	0.028	0.026	0.028	0.036	0.026	0.047	0.005
Std. Deviation	0.0322	0.0658	0.024	0.0408	0.0632	0.0293	0.0312	0.0264	0.0251	0.03	0.0415	0.0314	0.0413	0.0953	0.0909	0.0222
Geomean	0.0121	0.0263	0.0182	0.0173	0.0246	0.0177	0.0137	0.0183	0.0163	0.0213	0.0257	0.0235	0.0306	0.0363	0.0358	0.0064
Count	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	1.4026	1.2921	0.8949	1.2533	1.5714	0.9815	1.2539	0.9643	1.0539	0.8968	0.9771	0.88	0.9346	1.3902	1.446	1.9513
Total > target	2	3	3	3	4	5	2	3	1	5	5	6	5	7	9	1
2021 Geomean	0.015	0.019	0.015	0.018	0.025	0.017	0.012	0.017	0.019	0.026	0.026	0.022	0.030	0.027	0.028	0.006
2022 Geomean	0.011	0.038	0.024	0.021	0.027	0.021	0.021	0.022	0.015	0.022	0.026	0.024	0.031	0.040	0.036	0.007

Total Phosphorus

Date	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	Mcilvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP	Equipment Blank
10/22/2020	0.005	0.180	0.005	0.005	0.009	0.016	0.005	0.005	0.005	0.006	0.140	0.108	0.005	0.148	0.042	0.005
11/23/2020	0.005	0.005	0.008	0.005	0.018	0.005	0.002	0.020	0.025	0.008	0.011	0.020	0.032	0.011	0.032	0.005
12/10/2020	0.009	0.006	0.020	0.005	0.018	0.005	0.005	0.009	0.009	0.006	0.005	0.005	0.037	0.025	0.051	0.005
1/21/2021	0.017	0.005	0.005	0.005	0.007	0.005	0.005	0.015	0.035	0.017	0.022	0.017	0.040	0.010	0.022	0.005
2/18/2021	0.022	0.036	0.019	0.012	0.026	0.005	0.031	0.022	0.022	0.031	0.009	0.026	0.036	0.066	0.051	0.005
3/18/2021	0.008	0.036	0.005	0.041	0.049	0.039	0.013	0.005	0.010	0.028	0.129	0.034	0.049	0.106	0.106	0.005
4/19/2021	0.118	0.100	0.054	0.183	0.059	0.091	0.072	0.079	0.123	0.045	0.128	0.102	0.052	0.086	0.031	0.095
5/17/2021	0.027	0.092	0.016	0.088	0.018	0.025	0.085	0.032	0.025	0.088	0.048	0.011	0.018	0.016	0.062	0.005
6/21/2021	0.109	0.074	0.063	0.063	0.058	0.063	0.010	0.036	0.036	0.074	0.078	0.058	0.069	0.103	0.058	0.005
7/19/2021	0.005	0.005	0.005	0.005	0.016	0.007	0.005	0.005	0.007	0.005	0.005	0.021	0.025	0.007	0.005	0.005
8/16/2021	0.005	0.023	0.047	0.012	0.023	0.014	0.010	0.027	0.021	0.041	0.007	0.014	0.036	0.021	0.005	0.005
9/16/2021	0.005	0.005	0.007	0.005	0.043	0.005	0.007	0.027	0.034	0.012	0.025	0.005	0.014	0.027	0.052	0.005
10/14/2021	0.005	0.007	0.018	0.012	0.060	0.005	0.005	0.014	0.012	0.056	0.005	0.069	0.049	0.012	0.012	0.005
11/11/2021	0.056	0.010	0.012	0.007	0.014	0.098	0.010	0.007	0.010	0.005	0.072	0.007	0.025	0.014	0.014	0.005
12/27/2021	0.005	0.017	0.017	0.023	0.007	0.017	0.005	0.012	0.005	0.028	0.020	0.017	0.007	0.023	0.069	0.005
1/26/2022	0.014	0.014	0.014	0.012	0.012	0.044	0.005	0.014	0.014	0.033	0.036	0.030	0.017	0.022	0.054	0.012
2/24/2022	0.005	0.265	0.010	0.015	0.010	0.005	0.018	0.005	0.005	0.005	0.007	0.005	0.012	0.060	0.055	0.005
3/24/2022	0.005	0.010	0.023	0.007	0.026	0.034	0.020	0.026	0.007	0.010	0.020	0.010	0.020	0.020	0.028	0.005
4/21/2022	0.020	0.034	0.031	0.044	0.034	0.010	0.007	0.015	0.012	0.005	0.012	0.007	0.044	0.012	0.010	0.005
5/23/2022	0.028	0.034	0.044	0.044	0.036	0.031	0.036	0.031	0.031	0.028	0.026	0.031	0.036	0.137	0.137	0.005
6/20/2022	0.015	0.039	0.034	0.094	0.031	0.007	0.012	0.039	0.036	0.020	0.028	0.005	0.020	0.005	0.005	0.005
7/20/2022	0.097	0.212	0.076	0.070	0.038	0.068	0.041	0.100	0.010	0.113	0.110	0.054	0.094	0.116	0.110	0.084
8/18/2022	0.005	0.019	0.006	0.011	0.005	0.011	0.014	0.005	0.017	0.017	0.009	0.030	0.041	0.027	0.025	0.005
9/20/2022	0.003	0.076	0.035	0.084	0.086	0.073	0.041	0.052	0.076	0.054	0.057	0.038	0.113	0.086	0.070	0.005
10/22/2022	0.005	0.018	0.005	0.005	0.009	0.016	0.005	0.005	0.005	0.006	0.014	0.108	0.005	0.148	0.042	0.005
11/17/2022	0.019	0.041	0.030	0.009	0.022	0.070	0.065	0.027	0.043	0.060	0.042	0.065	0.019	0.017	0.009	0.005
12/1/2022	0.006	0.025	0.100	0.011	0.346	0.006	0.137	0.100	0.006	0.092	0.078	0.049	0.161	0.105	0.113	0.006
1/16/2023	0.019	0.038	0.041	0.035	0.046	0.060	0.025	0.033	0.027	0.043	0.046	0.054	0.161	0.490	0.490	0.006

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

Analyte	CAS #	Units	MWCTL
DO SATURATION %	DO%	%	>42

Minimum	55.0	57.2	47.6	43.3	52.5	52.5	53.4	44.1	47.2	45.1	44.3	47.6	27.8	37.8	38.2
Maximum	96.4	94.2	78.4	826.0	88.3	90.5	94.1	90.0	99.9	90.9	98.7	97.2	81.8	98.8	98.8
Average	75.2	73.7	61.4	89.8	64.4	67.3	73.5	65.0	68.3	70.1	73.4	71.6	55.0	69.5	69.5
Median	77.2	75.1	61.5	64.0	64.7	65.9	72.8	62.4	66.8	70.3	74.5	71.2	52.3	70.4	69.4
Std. Deviation	11.0	10.7	9.3	144.7	9.4	10.8	11.4	11.8	13.0	13.0	13.3	12.6	13.3	15.5	15.3
Geomean	74.4	72.9	60.7	67.5	63.8	66.5	72.6	64.0	67.1	68.9	72.1	70.5	53.5	67.6	67.6
Count	28	28	28	28	27	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	0.15	0.15	0.15	1.61	0.15	0.16	0.15	0.18	0.19	0.19	0.18	0.18	0.24	0.22	0.22
Total	0	0	0	0	0	0	0	0	0	0	0	0	3	2	2

	DO Saturation (%)														
Date	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP
10/22/2020	55.0	58.2	55.6	44.4	53.2	52.5	53.4	55.3	47.2	48.1	44.3	57.2	57.7	37.8	38.2
11/23/2020	66.8	66.3	52.2	60.5	53.1	55.0	57.3	51.4	53.5	52.8	59.9	59.1	37.6	54.6	54.1
12/10/2020	74.7	81.2	62.7	66.9	64.8	70.3	60.4	67.2	63.2	69.6	70.8	66.4	49.0	44.6	45.0
1/21/2021	84.0	80.8	64.1	64.4	57.0	75.0	69.1	61.1	66.7	67.1	74.9	76.8	63.8	62.0	61.3
2/18/2021	55.7	57.2	47.8	51.8	55.2	56.1	64.9	64.4	54.1	70.6	80.0	61.6	39.2	84.9	84.8
3/18/2021	79.7	75.5	47.6	59.2	69.2	57.3	70.5	70.0	65.3	72.5	71.6	59.2	52.0	73.4	73.1
4/19/2021	77.6	67.0	61.0	59.6	68.5	80.6	67.2	59.0	52.9	79.1	74.9	86.8	66.7	88.2	86.7
5/17/2021	69.6	59.9	49.2	46.8	54.3	62.7	63.0	57.1	50.6	58.3	57.4	77.8	57.3	58.2	65.4
6/21/2021	84.0	86.7	71.2	87.4	65.7	72.0	78.8	90.0	99.9	87.3	98.7	97.2	43.5	98.8	98.8
7/19/2021	61.4	74.3	67.0	63.6	59.4	55.9	72.8	72.3	79.4	76.0	78.5	72.6	27.8	67.7	64.5
8/16/2021	82.9	82.3	74.8	67.5	66.5	78.0	70.8	68.9	71.2	90.9	79.8	77.9	55.5	74.0	74.3
9/16/2021	84.5	83.3	77.8	81.4	NA	67.1	94.1	73.5	73.8	84.3	94.8	94.6	47.5	82.9	87.8
10/14/2021	74.2	77.3	48.8	73.2	52.5	67.7	69.5	47.6	66.5	67.8	68.2	63.1	44.5	70.6	65.8
11/11/2021	89.5	94.2	70.2	68.7	64.7	79.3	88.0	81.0	75.0	78.0	89.8	84.7	45.2	70.2	70.2
12/27/2021	83.9	92.2	67.1	826.0	58.8	90.5	83.7	84.6	66.6	70.2	69.9	74.6	49.5	83.8	83.6
1/26/2022	96.4	74.9	78.4	77.4	88.3	77.5	93.1	86.8	82.7	88.7	88.2	85.3	79.7	78.3	79.6
2/24/2022	76.8	79.9	64.7	72.6	78.2	74.1	85.9	71.6	83.4	89.1	74.1	83.7	76.6	86.7	86.3
3/24/2022	79.5	70.2	59.7	54.4	73.6	73.6	78.3	62.6	76.4	82.2	82.6	70.2	81.8	80.4	79.0
4/21/2022	74.3	62.9	64.6	58.7	67.1	74.3	74.3	54.0	71.2	70.4	66.3	72.1	52.5	67.4	66.8
5/23/2022	60.2	67.8	48.8	58.7	59.5	58.3	72.8	59.2	66.1	70.2	68.5	52.5	54.3	83.1	81.8
6/20/2022	75.1	61.8	56.7	43.3	64.1	52.7	83.3	44.1	67.3	63.9	59.4	65.5	47.7	66.5	65.6
7/20/2022	81.6	87.0	59.6	59.2	70.6	60.2	73.2	60.7	62.3	71.3	82.8	63.0	50.4	75.4	74.7
8/18/2022	83.1	58.7	59.0	50.3	66.4	62.8	75.8	62.1	54.9	45.1	76.3	67.9	49.7	58.8	59.4
9/20/2022	70.2	78.8	62.9	74.7	63.5	62.7	80.1	69.2	91.1	65.2	81.3	75.7	46.8	68.9	68.5
10/22/2022	55.0	58.2	55.6	44.4	53.2	52.5	53.4	55.3	47.2	48.1	44.3	57.2	57.7	37.8	38.2
11/17/2022	61.7	71.1	53.6	65.3	57.8	63	59.7	60.1	81.4	58.4	64.5	47.6	57.7	44.5	45.2
12/1/2022	80.3	75.2	61.9	66.5	70.0	64.6	72.3	52.2	75.5	55.8	63.7	68.8	70.1	78.5	78.3
1/16/2023	87.8	80.3	76.9	68.6	84.8	89.4	91.3	78.1	66.8	83.0	88.5	86.0	78.2	68.0	67.7

NA = reported as 0%, outlier removed.

October 2020 through January 2023 Water Quality Observations, Field Parameters

City of Marco Island, Collier County Florida

Analyte	CAS #	Units	MWCTL
PH	PH	SU	6.5-8.5

	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP
Minimum	7.75	7.79	7.74	7.78	7.71	7.82	7.78	7.76	7.76	7.87	7.81	7.79	7.57	5.06	7.85
Maximum	9.13	8.67	8.67	8.32	8.65	8.85	8.38	8.32	8.70	8.45	8.43	8.78	8.70	8.77	8.78
Average*	8.10	8.06	8.02	8.05	8.03	8.12	8.08	8.02	8.07	8.13	8.11	8.12	8.03	7.98	8.10
Median	8.04	8.06	8.03	8.03	8.03	8.11	8.10	8.03	8.06	8.12	8.13	8.12	8.01	8.07	8.07
Std. Deviation*	1.04	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.03	1.10	1.02
Geomean*	8.10	8.06	8.02	8.04	8.03	8.12	8.08	8.02	8.07	8.13	8.11	8.12	8.03	7.96	8.10
Count	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Coeff. Variation	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.14	0.13
Total	3	1	1	0	1	1	0	0	1	0	0	1	2	2	1

* Average, standard deviation, and geomean computed on Log10 data and coverted back to pH.

Date	pH (S.U.)														
	Barfield Bridge	JH Park	Collier Bridge	HC Center	Kendall	Olde Marco	Windmill	Hollyhock	Hummingbird	McIlvaine	E Winterberry Bridge	W Winterberry Bridge	Swallow	Landmark	Landmark DUP
10/22/2020	9.13	8.15	8.11	8.12	8.20	8.22	8.11	8.05	8.11	8.17	8.12	8.12	8.20	8.02	8.02
11/23/2020	8.10	8.14	8.12	8.16	8.11	8.21	8.16	8.13	8.09	8.24	8.18	8.21	7.94	8.20	8.11
12/10/2020	8.03	8.19	8.14	8.18	8.18	8.21	8.29	8.32	8.17	8.24	8.23	8.18	8.12	8.15	8.15
1/21/2021	8.22	8.32	8.33	8.32	8.29	8.34	8.29	8.32	8.21	8.35	8.31	8.32	8.19	8.25	8.34
2/18/2021	7.77	7.82	7.77	7.78	7.71	7.94	7.85	7.79	7.78	7.89	7.87	7.89	7.57	7.97	7.97
3/18/2021	7.81	7.79	7.74	7.79	7.73	7.82	7.78	7.76	7.76	7.87	7.81	7.79	7.73	7.89	7.89
4/19/2021	7.98	7.90	7.83	7.79	7.84	8.04	7.86	7.87	7.78	8.00	7.96	7.98	7.95	8.04	8.04
5/17/2021	8.05	8.10	8.02	8.01	8.06	8.19	8.12	8.11	8.01	8.24	8.17	8.22	8.18	8.12	8.14
6/21/2021	7.75	7.95	7.91	8.04	7.93	7.92	8.04	8.02	8.16	8.08	8.21	8.22	7.68	8.18	8.14
7/19/2021	7.85	7.96	7.91	8.00	7.83	7.96	7.93	7.92	7.99	8.03	8.03	7.99	7.77	8.04	8.04
8/16/2021	7.87	7.96	7.87	7.92	7.85	7.98	7.92	7.97	7.83	8.08	8.11	7.99	7.83	8.00	8.01
9/16/2021	7.98	8.06	8.10	8.26	8.08	8.03	8.10	8.03	7.95	8.09	8.19	8.10	7.97	8.16	8.14
10/14/2021	7.97	8.01	7.89	8.02	7.90	8.09	7.96	7.89	8.00	8.09	8.07	8.01	7.93	8.09	8.09
11/11/2021	8.09	8.06	8.07	8.02	7.99	8.13	8.10	8.10	8.03	8.22	8.13	8.11	7.96	8.07	8.07
12/27/2021	8.13	8.15	8.09	8.17	8.04	8.24	8.23	8.27	8.10	8.20	8.16	8.23	8.00	8.23	8.23
1/26/2022	7.90	7.91	7.84	7.85	7.92	7.99	7.94	7.94	7.87	8.02	7.95	7.97	7.91	7.98	7.85
2/24/2022	7.81	7.89	7.87	7.86	7.89	7.94	7.97	7.87	7.96	8.02	7.95	7.97	7.93	8.04	8.04
3/24/2022	7.92	7.93	7.86	7.86	7.92	8.00	7.95	7.87	7.93	8.01	7.97	7.95	7.96	7.97	7.98
4/21/2022	7.98	7.98	7.92	7.90	7.97	8.05	8.00	7.90	8.00	8.05	8.01	8.04	8.01	5.06	8.05
5/23/2022	8.00	8.04	7.95	7.95	7.99	8.02	8.29	8.06	8.35	8.32	8.36	8.14	8.07	8.06	8.07
6/20/2022	8.04	8.05	8.04	8.01	8.08	8.15	8.14	8.02	8.17	8.17	8.11	8.13	8.05	8.16	8.17
7/20/2022	8.12	8.25	8.20	8.30	8.29	8.24	8.24	8.13	8.22	8.22	8.25	8.15	8.28	8.32	8.32
8/18/2022	8.14	8.09	8.03	8.09	8.05	8.10	8.11	8.06	8.13	8.10	8.17	8.16	8.10	8.15	8.15
9/20/2022	8.12	8.14	8.14	8.27	8.18	8.12	8.05	7.98	8.29	8.13	8.13	8.35	8.08	8.16	8.15
10/22/2022	9.13	8.15	8.11	8.12	8.20	8.22	8.11	8.05	8.11	8.17	8.12	8.12	8.20	8.02	8.02
11/17/2022	8.06	7.99	8.03	8.09	8.02	8.20	8.04	7.87	8.01	8.09	7.99	8.02	8.06	7.99	7.99
12/1/2022	8.83	8.67	8.67	8.24	8.65	8.85	8.38	8.11	8.28	8.45	8.43	8.78	8.68	8.77	8.78
1/16/2023	8.19	8.20	8.16	8.20	8.14	8.23	8.21	8.07	8.70	8.23	8.17	8.16	8.70	8.01	8.03

µg/L	= micrograms per liter
mg/L	= milligrams per liter
SU	= Standard Units
mg/m³	= milligrams per cubic meter
%	= percent
MPN/100mL	= most probable number in 100 milliliters
CAS#	= Chemical Abstract Number

MCTL = Marine Surface Water Cleanup Target Level (Client provided control imits - Marco)*

* = Regulatory limits that must be calculated based on other analysis or time accrual are flagged by SELECT AEL by utilizing a "0" limit. This causes results for such analytes to register as an exceedance to draw your attention.

Water Formatting	
TEXT	= Exceeds MCTL (3)

U	= Result was less than the Method Detection Limit (MDL).
I	= Result was greater than or equal to the Method Detection Limit (MDL) but below the Practical Quantitation Limit (PQL).

Appendix C. Project Descriptions

1. Stormwater BMPs

a. Swale Improvements

b. Inlet Filters

c. Homeowner Runoff Reductions

d. Stormwater Pond Modification

e. Street Sweeping

f. Fertilizer Ordinance

2. Reclaimed Water Management

a. Improved Practices

b. Public Education Irrigation

3. Circulation Improvements to Canals

a. Clean Existing Culverts

b. Investigate New Culverts

c. Improve Canal Aeration

4. Water Quality Monitoring

5. Septic Systems

6. List of Activities and Reporting for 4e Plan

1.a Swale Improvements

Public Rights-of-Way

Start date: FY 2024

End date: 2029

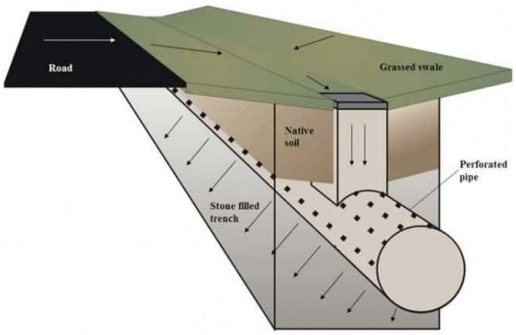


Image source: Sustainable Technologies Evaluation Program (STEP) – Swale and Perforated Pipe Exfiltration System – Ottawa, Ontario

Project Description

Improve the nutrient removal capability of existing swales by increasing stormwater runoff retention and management.

The project steps include:

- Identifying swales suitable for modifications. The goal is to review public rights-of-way with swales.
- Improve the infiltration rates in swales utilizing exfiltration trenches and pipes

Challenges

Some of the swales are in areas with a high groundwater table. Ditch blocks or raised inlet slots can cause ponded runoff for excessive periods. A better alternative would be to improve percolation by installing exfiltration trenches. Clay/muck land is an issue in some locations (east side of island). These changes must be placed where the surrounding soils can exfiltrate if more water can be percolated in the bottom of the swales.

Solutions and Outcome

Swales are extensively used on the Island to convey runoff to inlets. Swales help reduce nutrients by allowing percolation and filtration in the grass. The City has tried to change the profile of several swales by installing low ditch blocks or concrete weirs to retain some water and create more bioretention. Generally, this has been unsuccessful because of standing water for long periods. Other management options include leaving grass longer, or planting more wet-tolerant plants, are not well received by the public. However, some swales were retrofitted with a rock-filled trench with a perforated pipe (essentially an exfiltration or infiltration trench). The exfiltration work seems to improve infiltration in these trial areas.

Improving percolation is feasible only in areas that have sandy soils that could allow additional groundwater to flow (higher permeability). This task also includes looking for opportunities to improve degraded vegetation in the swales, if needed.

Exfiltration retrofits

- Review soils data to determine where the best opportunity for enhanced percolation exists on the island.
- Develop a standard detail that can be applied across the island to maintain consistency and set price expectations.

- Consider bottom inlets and rock check dams to slow flow through channel in some locations

Benefits

- Solids reduction
- Nitrogen and phosphorus reduction

Sustainability and Performance

Low capital requirements and no significant change to operations and maintenance. Litter removal and some cuttings are still required.

Swales typically remove about 25 to 40 percent of the annual nutrient loads, depending on the soil, watertable, and loading rates. The nutrients in the stormwater that percolates to the soil in general are decreased by natural processes that will remove nitrogen and phosphorus if there is good vegetation.

Subconsultants and Delivery Partners

City will self-execute the work as much as possible. Technical consultants may be needed to design and develop construction documents if structural measures are needed.

1.b Inlet Filters

Existing Inlets

Start date: On-going

End date: None, repair and replacement will be on-going

SOP Technologies Device Shown [Stormwater drainage inlet filters / screens — SOP Technologies - Environmental Solutions (soptechint.com)]

Project Description

This is a relatively low-cost method for removing trash and debris that could contribute detritus to the local waterway. The City is already implementing this BMP at more than 1,300 inlets, and will expand their use. Most applications are conducted in conjunction with a capital project to either improve drainage or to repair older infrastructure.

This project will continue expand the use of inlets to as many inlets as practical. The City's existing devices are discontinued, and a new product is required. The steps include:

- Inventorying existing and available opportunities. Select a comparable product to existing inlets.
- Plan a schedule replacement of existing inlets boxes
- Capital project in phases to install inserts or screening

Challenges

Adding these units increases operation and maintenance costs. During tropical storm preparations, the inlets at major intersections need to be removed to maximize flow capacity (inlets can reduce flow capacity). Debris is landfilled. Some inserts include booms to enhance oil and grease removal, but these are not likely to increase nitrogen removal. Floating booms will be used at limited locations where oil and grease could be a problem.

Solutions and Outcome

There are commercially available products available. Former supplier is no longer available. A new vendor/product is under evaluation.

Benefits

- Solids reduction and prevention of detritus in local canals

Sustainability and Performance

No energy required. Increased operations and maintenance proportional to the number of inlets.

Subconsultants and Delivery Partners

City will lead in selecting locations and will self-execute with vendors.

1.c Homeowner Runoff Reduction

MS4 Program / Land Development Codes

Start date: On-going

End date: None

Project Description

Homeowner runoff reductions include a variety of practices that include both structural and operational methods. The City currently provides new homeowner packets to make the new owners aware of the City's NPDES programs, including pollution prevention. Informational sheets are included with utility bills too. These are all part of the MS4 Program. While many conservation programs focus on using less water, some of these ideas can affect stormwater quality, including:

- Rain garden (by design) to move water off directly connected impervious areas
- Rain Barrels (collection and use)
- Landscaping with Florida-Friendly plants means using low maintenance plants and environmentally sustainable practices. Reducing irrigation needs makes the soil more receptive to percolation from rainfall.

Certain changes may be available through changing the building permit program that will increase the use of water-friendly landscape.

Challenges

These non-structural methods rely mostly on voluntary implementation. Monitoring its effectiveness is difficult. City is built-out so there is little opportunity to institute these kinds of changes to new developments unless by land development codes.

Solutions and Outcome

Reduced runoff improves load reduction to nearby waterways.

Benefits

- Low-cost method to improve housekeeping and awareness.

Sustainability and Performance

Will continue to report as part of the MS4 Program.

Subconsultants and Delivery Partners

City will lead under existing MS4 Program. Permit program changes will be made with appropriate governmental approvals.

1.d Stormwater Pond Littoral Zone Planting

Mackle Park

Start date: FY 2025

End date: 2029

Project Description

The Frank E. Markle Park has a pond that is neatly maintained with grass down to its normal water level. This project will look to add native plantings to create a littoral plant zone to a significant shoreline of the pond. Generally, plantings must be in less than 2-feet deep water. Several segments (about 100-ft long) are planned.

Challenges

The pond has 4:1 side slope that limit the area that can be planted. Fill would be needed to build up some shallow shelfs. This project will change the look around the park and the project will need public education and support. Need funding to add plants and to maintain pond until plants are well established. The City currently does not have staffing to increase operations significantly.

Solutions and Outcome

Increased plantings will help adsorb and utilize nutrients.

Benefits

- Nutrient removal and aesthetic enhancement.

Sustainability and Performance

Plants are low maintenance once established.

Subconsultants and Delivery Partners

City will lead to seek funding. Technical consultant will be hired to design and develop contract documents.

1.e Street Sweeping

Citywide

Start date: FY 2023

End date: None

Project Description

The City currently sweeps streets with high traffic and curbs under a vendor contract. The City will buy a sweeper and increase activity in other parts of the City. New sweeper delivered June 2023 and use began in July 2023.

Challenges

Many streets in the City are not curbed.

Solutions and Outcome

Increased sweeping will remove materials from the source and help reduce sediment and associated materials from rest of the storm collection system.

Benefits

- Nutrient removal and aesthetic enhancement (trash, leaves, and so forth).
- Additional pollutants removal that is attached to sediment

Sustainability and Performance

This is a new commitment by the City to improve water quality. Street sweeping has been identified by the Florida Stormwater Association as cost-effective. Materials collected will be tracked and reported as part of the MS4 Program.

Subconsultants and Delivery Partners

City will lead and self-execute. See attached map for anticipated schedule.

4e Application Project Attachment

Red: Week 1

Purple: Week 2

Yellow: Week 3 (Including bridge decks and outfalls)

Green: Week 4

1.f Fertilizer Ordinance

Citywide

Start date: December 5, 2022

End date: None

www.homeusetool.com

Project Description

The City has an ordinance that limits application between June 1 and September 30 (wet season). On March 7, 2016, City Council adopted a Fertilizer Ordinance and an amendment to the Business Ordinance which governs the registration of professional landscapers on the Island. However, the enforcement of that ordinance as has been uneven. The City has started to be more consistent at registering all applicators.

Challenges

All professional landscapers applying fertilizer on the Island need to register with the City. However, the ordinance requires a free permit application from anyone applying fertilizer at least one-day prior. Homeowner compliance is more difficult to enforce.

Solutions and Outcome

Registration/permit elevates awareness to general public of good housekeeping practices.

Benefits

- Limits nutrients available to stormwater runoff

Sustainability and Performance

The new ordinance limits the amount of fertilizer that can be applied to a property in one year and puts limits on the time of year and the type of fertilizer that can be applied. The main rules governing fertilizer application include:

- Do not apply fertilizer during the rainy season (June 1 – September 30) or when a weather event is predicted that will include heavy rainfall.
- Do not apply fertilizer to impervious surfaces (concrete, asphalt, pavers, etc.) or within 10 feet of a watercourse, lake, wetland or storm drain. Always use a spreader deflector shield when fertilizing.
- Do not apply phosphorus fertilizer unless a soil test has determined there is a deficiency of phosphorus.
- Fertilizers must contain no less than 50% slow-release nitrogen.
- Fertilizer may only be applied four times per year, and no more than four pounds of nitrogen may be applied per 1000 square feet per year.

Subconsultants and Delivery Partners

City will lead and self-execute.

https://www.cityofmarcoisland.com/growth-management/page/fertilizer-ordinance

2.a Reclaimed Water Improved Practices

City Rights-of-Way

Start date: FY 2023

End date: None

Project Description

The City must use its reclaimed water to offset potable water demand. This is a requirement by the State to maximize reuse to the extent practical. The City has used water trucks to irrigate some of the right-of-way and that can result in overspray and runoff. The City will review its practices and avoid using trucks that cause overspray. This means some medians or other areas may benefit from alternative irrigation methods.

This project also includes conducting routine inspections and repairs of spray heads, including redirecting nozzles that overspray.

Challenges

A low spray or underground system could be expensive for small amount of water reuse. Some medians would have to be rebuilt, distribution lines (pressurized) laid, and controllers installed. Adding extensive new irrigation lines for small areas are not recommended.

Solutions and Outcome

Focus will be on using more ways to prevent overspray into streets or pavement.

Benefits

- Prevention of nutrient in runoff to local canals

Sustainability and Performance

Increased operations and maintenance for inspections and fixes.

Subconsultants and Delivery Partners

City will self-execute.

2.b Irrigation Public Education

City

Start date: On-going

End date: None

Project Description

The City conducts public education for stormwater issues as part of its MS4 Program. The City utility department also provides public information as part of its operation for its conservation programs. The City will review and expand materials on proper irrigation rates and practices related to nutrient content in reclaimed water.

This education material will also include materials on fertilization. Fertilizer use is already regulated by the County, so no further ordinances are necessary. The community will be encouraged to conduct more self-testing to avoid over fertilization. Materials from IFAS extension service will be included.

Challenges

Major reclaimed water users are the local golf courses which are privately operated (about one-third of annual volume). The amount of area under direct control by the City is relatively small.

Solutions and Outcome

The City utility department assessed the potential loading of its reclaimed water on grassed landscapes. The nutrient loading rate is well below an agronomic use for lawns (that is, the nutrient needs of the plants). Excessive nutrient export could result from over-fertilization or overwatering. The public education efforts are the main means to address these types of sources.

Benefits

- Prevention of nutrient in runoff to local canals

Sustainability and Performance

Lower inputs promote conservation of resources. The actual performance is difficult to directly measure.

Subconsultants and Delivery Partners

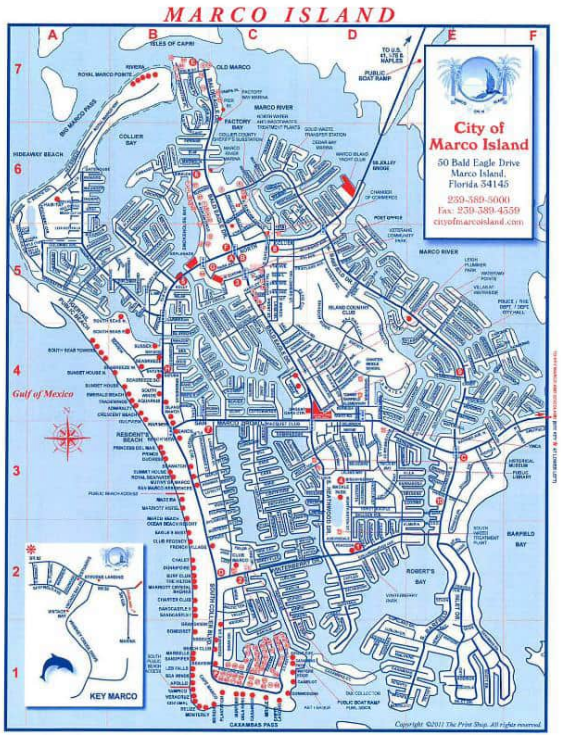
City will self-execute.

3.a Clean Existing Culverts

Canals

Start date: FY 2023

End date: 2029



Project Description

The City is interlaced with a canal system that has portions separated from each other. These dead-end canals experience low dissolved oxygen and sometimes elevated nutrient concentrations. A pollutant loading analysis commissioned by the City identified the buildup of nutrients in the sediment as a major potential nutrient source. In general, the canals would benefit from improved habitat that involves better water movement.

This project is clean some existing culverts to ensure that they are flowing as best possible.

Challenges

Disturbing sediment may release nutrients and other gasses that cause temporary effects (algal blooms, odors). Work is often associated with the aftermath of a tropical storm and funded with FEMA assistance.

Solutions and Outcome

Better circulation will promote improved aeration in the canals.

Benefits

- Improved habitat from circulation
- Improved drainage

Sustainability and Performance

The actual performance is difficult to directly measure. Ongoing water quality monitoring will assess general conditions.

Subconsultants and Delivery Partners

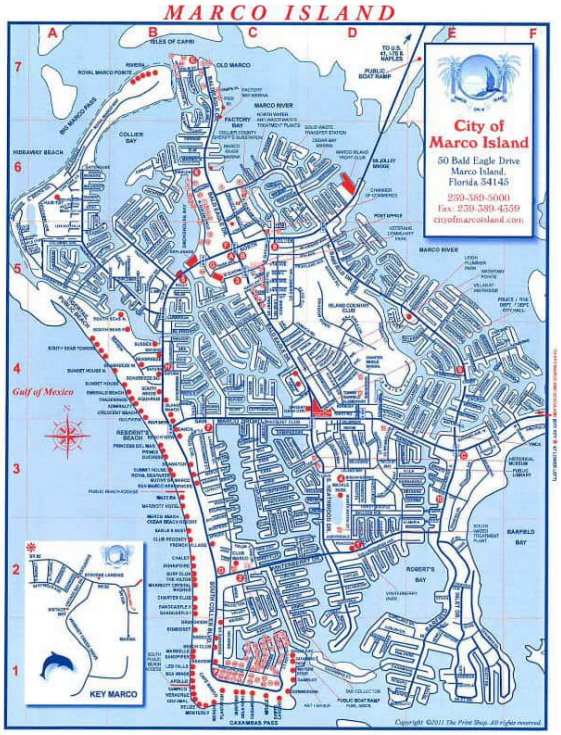
City will lead in obtaining cleaning services (contractor).

3.b Investigate New Culverts

Canals

Start date: FY 2023

End date: 2029



Project Description

The City is interlaced with a canal system that has portions separated from each other. These dead-end canals experience low dissolved oxygen and sometimes elevated nutrient concentrations. This project is to investigate if new connections between “legs” in the canals can improve the circulation of water.

Given that the tide cycle moves around the island in a relatively short period of time, it is not clear if there would be benefits in the cycling of water through the canals. This project will commence in steps that include:

- Feasibility assessment utilizing a hydrodynamic model to simulate the tides around and through the City.
- Assess the location of potential new connections (culverts), including their size.

Challenges

Specialized computer simulation tools are required to evaluate the circulation. This requires a stepwise approach in developing the amount of detail in the model. The first phase will be a coarser model of the main canals. Additional detail can be added later, if deemed necessary. The specialized engineering effort to verify the culverts is high and costly.

The City is essentially built-out. Waterfront property is scarce and the room between buildings (homes) small. Finding right-of-way to place new culverts will be very challenging. Specialized construction methods may be required.

City obtained grant funding from the State to initiate this work in summer 2023. Additional funding may be needed to fully implement program.

Solutions and Outcome

Better circulation will promote better aeration in the canals. This, in turn, will help reduce anaerobic conditions that could promote the release of nutrients.

Benefits

- Improved habitat from circulation
- Lower nutrient in local canals

Sustainability and Performance

The actual performance is difficult to directly measure. Ongoing water quality monitoring will assess general conditions.

Subconsultants and Delivery Partners

City will engage professional technical consultants to assist in this project. Later phases may lead to construction documents and execution. State funding is helping to move this work forward.

3.c Improved Canal Aeration

Canals

Start date: FY 2024

End date: FY 2029

https://www.livingwateraeration.com/

Project Description

The City's has dead-end canals that experience low dissolved oxygen and sometimes elevated nutrient concentrations. ERD (2021) identified internal cycling of nutrients are a major source of nutrients to the waterbodies. Anaerobic conditions can contribute to the release of nutrients. A low volume aeration system may help improve the habitat at some of these dead ends.

This project will commence in steps that include:

- Site selection for up to 3 locations to conduct pilot tests to verify the direct aeration approach
- Assess the location of potential with the local homeowners. It is likely that a project will need homeowner permission to use their property.
- Design the pilot systems and testing regime. Contract with vendors to install. It is assumed that the City will assist in installation for these relatively small pilot projects.
- Operate and collect additional data routinely during the test period.
- Assess and report on the effectiveness. Consider feasibility for larger adoption, if appropriate.

Challenges

Most of the canals are land locked by private property. Access for an air pump and utility service may be hard to find.

Solutions and Outcome

Better aeration will promote better habitat in the canals. Aerobic conditions could help seal the sediments and prevent the release of nutrients.

Benefits

- Improved habitat from aeration
- Lower nutrient in local canals

Sustainability and Performance

The actual performance is difficult to directly measure. Ongoing water quality monitoring will assess general conditions.

Subconsultants and Delivery Partners

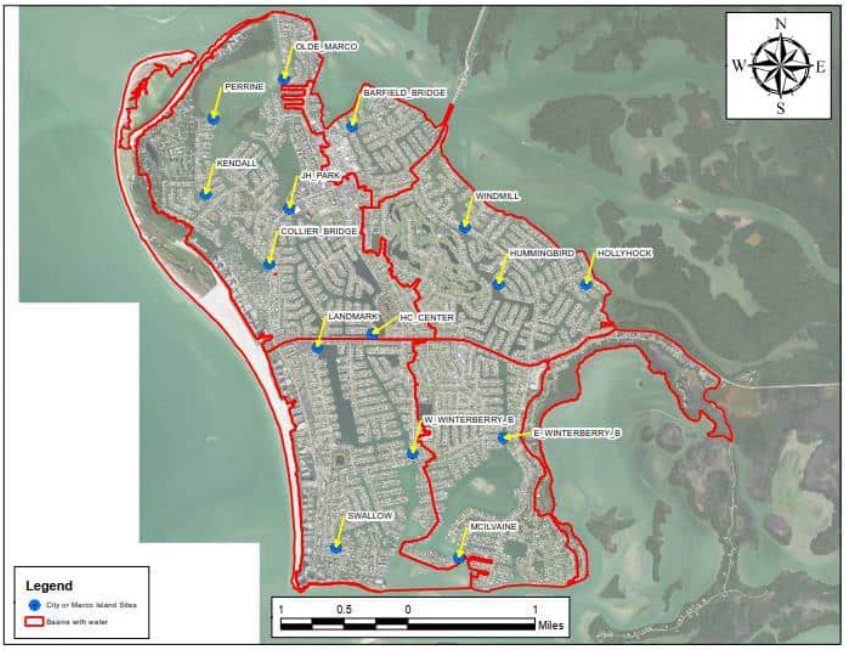
City will engage professional technical consultants to assist in this project. The City will lead in site selection and working with the public. During installation, the City may also assist. Later phases may lead to construction documents and execution. State funding is helping to initiate this pilot work.

4. Water Quality Monitoring

Canals and Offshore

Start date: Ongoing

End date: None



Project Description

The City is interlaced with a canal system that is connected to the surrounding waters at several locations. These waters have been sampled regularly since about 2007. Periodically, the City has added stations. After its 2021 loading assessment (ERD 2021), some offshore sites were added.

This project is to continue sampling on a monthly basis at 14 locations in the City canals and at 4 locations offshore:

- East River – Marker 3
- Mid Channel – Marker 12
- Capris Pass – Marker 2
- Capri Pass – Marker 4.

Existing data is available on the Waterways Committee website: Waterways Committee | City of Marco Island Florida The City outsources the collection directly with AEL, a Florida-certified laboratory.

Challenges

City data reduction and management could be improved, because the City resources are limited. Offsite nutrient data is almost the same concentration as the canal waterways. The City cannot fund an extensive offshore monitoring program of the surrounding WBIDs.

Solutions and Outcome

Monitoring is required to continue to assess nutrients both in the Island canals and offshore waters. The City suspects offshore waters contributes to inshore water quality.

Benefits

- Characterization of long-term changes in local canals to support informed decisions in defining effective solutions
- Potential offshore contributions should be included in overall impaired waters assessment

Sustainability and Performance

The baseline monitoring is building a record for informed decision making. This will provide a better selection of BMPs and projects.

Subconsultants and Delivery Partners

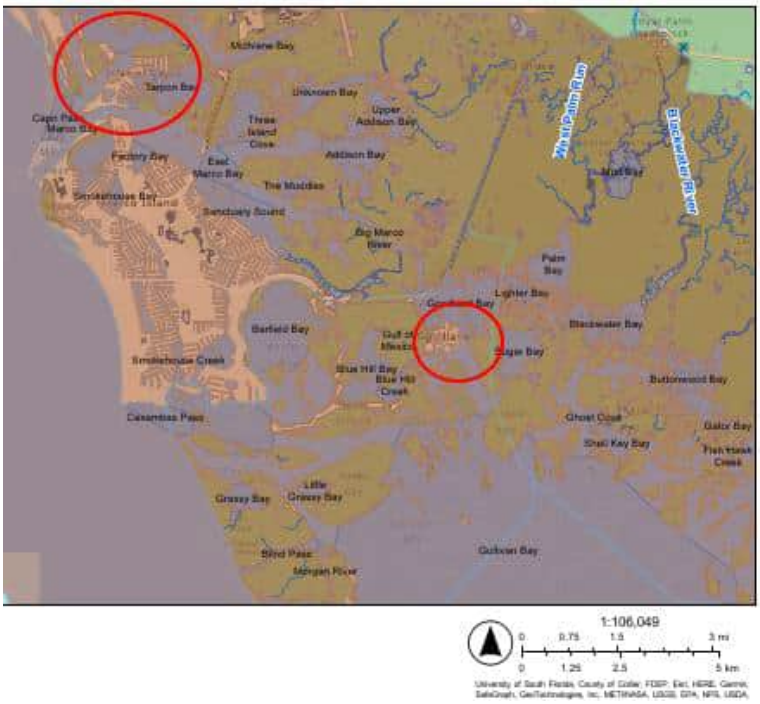
City will continue to engage professional technical consultants to assist in this project.

5. Septic Systems

Offshore

Start date: TBD

End date: TBD



Project Description

The City has essentially eliminated septic systems on the Island (City limits). However, there are two areas that are off-island but within the utility wastewater service area that have a significant number of septic systems (onsite septic system, OSS). The City supports the connection of these primarily residential areas to its system.

Challenges

Because of the remoteness of the two neighborhoods (Isles of Capri [north] and Goodland [east]), a form of localized collection system is necessary. The two neighborhoods with significant OSS are not in the City. Collier County needs to be part of a joint program to encourage service connections. Connecting small and manufactured homes is a costly proposition to both property owners and the utility; funding assistance is needed.

Solutions and Outcome

Florida has recognized that a collection system to regional wastewater treatment is a preferred option when feasible. Since these two communities are small and somewhat isolated, these areas were not considered feasible for sanitary sewers in the past. With a renewed emphasis from the state and local leadership, connecting these neighborhoods is becoming more practical.

Benefits

- Reduction of potential human pathogens and bacteria overflows.
- Lower nutrient in offshore waters

Sustainability and Performance

The actual performance is difficult to directly measure. However, removing seepage fields will avoid potential sources. Ongoing water quality monitoring will assess general conditions.

Subconsultants and Delivery Partners

City will engage Collier County to develop a project to phase out septic systems on the mainland. Professional technical consultants to assist in this project if it moves forward.

List of Activities and Reporting for 4e Plan

	Stormwater BMPs					Reclaimed Water Management		Circulation Improvements in Canals			Monitoring
Fiscal Year	Swale Improvements	Inlets inserts	Homeowner RO Reductions	SW Pond Modifications	Street Sweeper	Improved practices	Public Education	Clean Existing Culverts	Investigate New Culverts	Aeration Pilot	Reporting
2023		X			X		X	X			
2024	X	X			X	X	X	X	X	X	X
2025	X	X	X	X	ongoing	X	X		X	X	X
2026	X	X	X	X		X	X		X	X	X
2027	X	X	X	X		X	X				Reassess
2028	X	X	X			X	X				X
2029	X	X	X			X	X				X
Tracking Method	Report LF per year	Number per year	Landscape Code Changes	Littoral Area Planted	Annual Summary (Status)	Annual Reclaimed Water Report	MS4 Reports	Annual Summary	Annual Summary	Annual Summary	Annual Summary

Appendix D. 2020 Year 5 MS4 Annual Report

NPDES ANNUAL REPORT
Phase II MS4 Permit ID # FLR04E151

PHASE II MS4 ANNUAL REPORT for Permit Year : ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☒ 5 **Other:** _____

Instructions for completing this form:

- Complete Sections I through V and submit to the Department to fulfill the annual reporting requirement under the Generic Permit for Discharge of Stormwater from Phase II Municipal Separate Storm Sewer Systems, Rule 62-621.300(7)(a), F.A.C.
- The numbering and references to Best Management Practices (BMPs) on the Annual Report Form should reflect the information given in the MS4's Notice of Intent (NOI) form previously submitted to the Department. **PLEASE REFER TO ORIGINAL AND APPROVED PHASE II MS4 NOI SUBMITTAL WHILE COMPLETING SECTION II OF THIS FORM.** Proposed changes to the approved SWMP shall be indicated in Section III of this form.
- When complete, submit this Annual Report form to the following address:

  NPDES Stormwater Section
  Florida Department of Environmental Protection
  2600 Blair Stone Road
  M.S. 2500
  Tallahassee, FL 32399-2400.

- Do NOT include any attachments EXCEPT for Monitoring Data in Section IV, if applicable.

SECTION I. PHASE II MS4 OPERATOR INFORMATION

A.	Name of the Phase II MS4 Operator: **City of Marco Island**		
B.	Name of the Phase II MS4 Responsible Authority: **Timothy Pinter, P.E.**		
	Title: **Public Works Director**		
	Mailing Address: **50 Bald Eagle Drive**		
	City: **Marco Island**	Zip Code: **34145**	County: **Collier**
	Telephone Number: **(239) 389-5018**		
C.	Name of the Designated Phase II MS4 Stormwater Management Program Contact: **Timothy Pinter, P.E.**		
	Title: **Public Works Director**		
	Department: **Public Works**		
	Mailing Address: **50 Bald Eagle Drive**		
	City: **Marco Island**	Zip Code: **34145**	County: **Collier**
	Telephone Number: **(239) 389-5018**		
	E-mail Address: **tpinter@cityofmarcoisland.com**		
D.	Location of the Phase II MS4 (if different than the mailing address in Section I.C. above): **Same as Above**		
	Street Address:		
	City:	Zip Code:	County:

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
1a	01	**City Stormwater Information Website** City utilized web page with stormwater management information, pollution prevention, and educational material. The material will be geared towards a variety of age groups and provide information explaining the NPDES MS4 program.	1. Document the number of web page visits 2. Document and report the number of web page updates with more material, provide helpful links, and printable documents.	1. Years 1-5 2. Years 2-5	380 visits - Waterways Advisory Committee webpage. 1,562 visits – Public Works webpage. 3 web page updates.
1a	02	**City Participation at Local Events** Reach out to residents at local annual events. During these events, brochures will be distributed with educational material on pollution prevention and the NPDES MS4 Phase II program.	1. Document the number of events attended. 2. Document the number of brochures handed out.	1. Years 3-5 2. Years 3-5	Farmer's Market (Dec – April). 16 events attended. 65 brochures total.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
1a	03	**New Homeowner Packets** Informational packets delivered to new residents in Marco Island. Material will discuss the NPDES program, pollution prevention, contact numbers for stormwater questions or comments, and information on the City's recycling program.	1. Document the number of packets that were distributed for the year.	1. Years 2-5	529 packets mailed to new residents.
1a	04	**Utility Inserts** Information sheets to be added to utility bills that cover public education on stormwater issues, fact sheets, and updates on City codes. This material will serve as a valuable took to reach out to the public regarding stormwater topics.	1. Document the number of inserts that were distributed.	1. Years 2-5	1 insert per resident.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
1a	05	**Labeling of Storm Sewer Drains** The City will coordinate with volunteers to label storm sewer drains with a "No Dumping Drains to Ocean" sign on drains.	1. Document the number of storm sewer drains labeled. 2. Document and report the number of attendees.	1. Years 3-5 2. Years 3-5	No drains were labeled during this reporting year. No volunteers
2a	01	**Public Involvement in Meetings** Involve the public in more Council meetings/workshops to gain public input specifically to the NPDES MS4 program, allow the public to take part in decisions related to ordinances, and address concerns of the community.	1. Document the number of notifications informing the public on upcoming meetings. 2. Document the number of attendees at the meeting.	1. Years 1-5 2. Years 1-5	Public is notified on every Council (2x/month) and Waterways Advisory Meeting (1x/month) via City website. 45 attendees at Waterways Advisory Committee meetings.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	**Measurable Goal**	**Schedule for Implementation/Completion**	**Summary of Results**
2a	02	**Beach Clean-Up/Outfall Monitoring** The City of Marco Island will partner with Friends of Tigertail beach and/or the Beach Advisory Committee to coordinate beach clean-ups with volunteers. Not only will this prevent trash from entering the water, but the new partnership will also allow for outfall monitoring to assist with the current stormwater inspections.	1. Document the number of volunteers that participated. 2. Document the number of beach clean-ups that have taken place. 3. Document the amount of trash collected from the beach clean-up. 4. Document the number of outfall problems that have been identified through this program.	1. Years 2-5 2. Years 2-5 3. Years 2-5 4. Years 3-5	410 volunteers participating in beach clean-up. 12 beach clean-ups. 312 lbs of trash collected. 1 at Tigertail Beach.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A BMP Description	B Measurable Goal	B Schedule for Implementation/Completion	C Summary of Results
3a	01	**Storm Sewer Map** The City has a storm sewer system map as part of their Geographic Information System and Asset Management System updated through 2012. This data depicts all stormwater conveyance systems, outfalls, and bodies of water. The systems will be updated on an annual basis as needed.	1. Document the number of outfalls existing. 2. Document any changes to the map.	1. Years 1-5 2. Years 1-5	413 outfalls No changes to the MS4 map this reporting year.
3b	01	**Illicit Discharge Ordinance** 18-07 was recently approved on 3/5/2018 to implement stronger regulation on illicit discharge. .	1. Document any changes to the City Code. 2. Document the number of citations issued.	1. Years 1 2. Years 1-5	No changes to the code this reporting year. 34 citations

3c	01	**Illicit Discharge Inspections** The City will continue to inspect all stormwater systems prior to rainy season. The City will implement a SOP for illicit discharge inspections and continue to accept complaints and comments through their hotline to address discharge complaints.	1. Develop a SOP for illicit discharge inspections and update as needed. 2. Document the number of inspections completed. 3. Document the number of complaints investigated. 4. Document the number of illicit discharges identified.	1. Years 1-5 2. Years 1-5 3. Years 1-5 4. Years 1-5	1 update to the SOP. 51 inspections. 18 complaints investigated. 34 identified.
3d	01	**Illicit Discharge Public Education Program** The program will supply educational material to the public about illegal discharges including examples and the environmental effects through brochures and the City web page. The program will reach out to the public, businesses, and employees.	1. Document the number of brochures distributed. 2. Document the number of events to raise awareness pertaining to illicit discharges.	1. Years 1-5 2. Years 3-5	56 brochures distributed. None this reporting year.
4a	01	**Erosion and Sediment Control Ordinance** New Ordinance, 18-07, approved on 3/5/2018 replaced the previous code for erosion and sediment control. Penalties and fees have been established to ensure compliance.	1. Document any changes or amendments to the ordinance.	1. Years 1-5	No changes to the ordinance during this reporting year, however an amendment is in the works and will be reported during Cycle 2.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
4b	01	**Erosion and Sediment Control** The City requires erosion and sediment controls for all construction sites per Ordinance 18-07. This requires the proper use and maintenance of protective barriers.	1. Document and report the number of active construction sites operating with erosion and sedimentation control requirements.	1. Years 1-5	123 constructions sites with erosion and sediment control.
4c	01	**Construction Site Waste Control Ordinance** The City will establish an ordinance to mandate the proper disposal of waste from construction sites including: litter, concrete truck washout regulations, and the disposal of chemicals.	1. Create an ordinance with requirements to control waste that affect water quality. 2. Implement the ordinance 3. Document any changes/amendments to the ordinance 4. Report the number of active construction sites operating with waste control.	1. Year 1 2. Years 2-5 3. Years 3-5 4. Years 3-5	Completed. Implemented 3/5/2018. No changes to ordinance. 123 construction sites

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A **BMP Description**	B **Measurable Goal**	B **Schedule for Implementation/Completion**	C **Summary of Results**
4d	01	**Site Plan Review** Ordinance 18-07 requires a site plan review that incorporates consideration of potential water quality impacts. This ordinance mandates BMPs be implemented and meet the requirements of the City, State and Federal agencies.	1. Document the number of site plans that were reviewed for water quality impacts. 2. Document and report the number of site plans approved.	1. Years 1-5 2. Years 1-5	19 site plans reviewed. 19 site plans approved.
4e	01	**Public Complaints, Comments, and Feedback** The City currently utilizes an existing hotline through the Public Works Department. This will be combined with the updated City web page to further reach the public and address construction concerns.	1. Document the number of complaints and comments received. 2. Document the number of investigations and responses to complaints. 3. Document any changes to the feedback methods.	1. Years 1-5 2. Years 1-5 3. Years 1-5	21 complaints received. 21 investigations/responses. 1 change (updated contact information to PW Dept.)

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A BMP Description	B Measurable Goal	B Schedule for Implementation/Completion	C Summary of Results
4f	01	**Construction Site Inspections** Conduct inspections of construction sites to ensure erosion and sediment control regulations are being followed as per Ordinance 18-07. Inspections will also include proper stormwater management and the proper use of Best Management Practices.	1. Document the number construction sites inspected. 2. Document the number of violations that have occurred. 3. Document the number of follow-up visits that have taken place after violations have been found.	1. Years 1-5 2. Years 1-5 3. Years 1-5	142 sites inspected. 34 erosion & sediment control violations. 85 follow-up visits.
6a	01	**Pet Waste Collection** The City will provide plastic bags around Marco Island for pet owners to pick up pet waste to reduce the amount of nutrients and pathogens entering into the stormwater system.	1. Document the number of bags distributed for public use.	1. Years 1-5	160,000 bags purchased and distributed.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
6a	02	**Storm Sewer System Vacuuming** The City will continue to utilize its vac truck to clean debris from storm sewer inlets and basins. This method is used in conjunction with the storm sewer maintenance and inspections to ensure proper functioning.	1. Document the number of inlets/basins that have been vacuumed or repaired. 2. Document the amount of debris that has been removed from the inlets/basins.	1. Years 1-5 1. Years 1-5	1,864 inlets cleaned. 20 cubic yards
6a	03	**Storm Sewer System Maintenance** The storm sewer system will continue to be properly cleaned and maintained to ensure that all broken pipes and components are fixed in a timely manner.	1. Document the number of components that have been cleaned. 2. Document the amount of debris removed from the storm sewer system.	1. Years 1-5 2. Years 1-5	1,324 SunTree Filters cleaned. 20 cubic yards

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	**Measurable Goal**	**Schedule for Implementation/Completion**	**Summary of Results**
6a	04	**Recycling Program** The City currently has a curbside pickup program for recyclables as well as a local drop off facility that accepts paper, metal, waste oil, antifreeze, batteries, and other harmful wastes for no charge.	1. Document how much waste is being dropped off.	1. Years 1-5	1150 pounds of recyclables
6a	05	**Grate Inlet Skimmer Boxes** The City currently uses Suntree Technologies, Inc. Grate Inlet Skimmer Boxes in some of the stormwater inlets. These skimmer boxes capture hydrocarbons, sediment, litter, and debris.	1. Document the number of inlets that have filters in them. 2. Document the amount of debris that is removed by the filters.	1. Years 1-5 2. Years 1-5	1,324 total filters in system. 20 cubic yards

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	**Measurable Goal**	**Schedule for Implementation/Completion**	**Summary of Results**
6a	06	**City of Marco Island Facility Inspections** Inspections of City Facilities will take place to ensure that materials that are hazardous to water are properly contained.	1. Document the number of inspections completed.	1. Years 2-5	12 inspections completed
6a	07	**Street Sweeping** The City will implement a street sweeping program to reduce the among to trash entering the stormwater system.	1. Document how many miles have been swept 2. Document how much trash and debris has been collected.	1. Years 1-5 2. Years 1-5	72 miles Cannot be documented.
6b	01	**Employee Spill Prevention/ Hazardous Materials Training** The City will conduct spill prevention training and hazardous material training to teach staff members methods to reduce the stormwater pollution through proper handling and disposal of dangerous materials.	1. Document the number of training sessions. 2. Document the number of employees trained.	1. Years 2-5 2. Years 2-5	1 Training Session. 13 Employees Trained.

SECTION II. SUMMARY OF STORMWATER MANAGEMENT PROGRAM ACTIVITIES

Indicate the Phase II MS4 status of compliance in terms of progress toward each of the measurable goals described in the generic permit. Refer to the NOI for a list of the specific BMPs and Measurable Goals the Phase II MS4 committed to perform and track. Changes which will result in deviation from the NOI should be listed in Section III of this form. Include activities for all reporting periods (permit years) in this section. A summary of results is expected for the current reporting period but may be added to results from previous annual report periods. A summary of results is not expected for future reporting periods, but the anticipated BMPs, measurable goals and schedules for future reporting periods should be provided in this section.

Element ID/BMP #		A	B	B	C
		BMP Description	Measurable Goal	Schedule for Implementation/Completion	Summary of Results
6b	02	**Fleet Maintenance** This program will provide extra training for staff members on the proper maintenance protocols for City vehicles and equipment. This will focus on proper handling and disposal of chemicals, proper storage, proper care of maintenance yards, and proper maintenance to keep critical components in good working order for continued use as part of the stormwater maintenance program.	1. Document and report maintenance schedules. 2. Document any changes to the fleet maintenance program. 3. Document and report the number of hours of training.	1. Years 1-5 2. Years 1-5 3. Years 1-5	151 fleet vehicles maintained twice per year. No changes. 8 hours of training on proper handling of chemicals and proper maintenance.
6b	03	**Erosion and Sediment Control Inspection Training** Staff members will be trained and become certified as Erosion and Sediment Control Inspectors.	1. Document the number of staff members that have received a certification.	1. Years 2-5	None for this year. 6 staff members currently hold certifications.

SECTION III. CHANGES TO STORMWATER MANAGEMENT PROGRAM

Assess the appropriateness of each BMP that has been implemented and provide a list of changes in the space below. Include proposed changes to BMPs, Measurable Goals, or Implementation Schedules, and justification for changes. Also report new BMPs that have been added to the Stormwater Management Program in this section. Add pages if more room is needed. Include the Element ID as it is listed on the submitted NOI. BMP Number should be indicated as listed on the NOI, unless a new BMP is being proposed. Include Element ID on all extra pages, include BMP number for all changes to BMPs previously listed on NOI.

Element ID	BMP Number (where applicable)	Proposed Change or New BMP Description and Justification
6a	07	The City cannot document the amount of debris collected by the contracted street sweeper. City Council denied the request for the purchase of a City owner sweeper. Requested change to the measurable goal – delete item #2 (Document how much trash and debris has been collected)

SECTION IV. INDEPENDENT MONITORING AND RELIANCE ON ANOTHER ENTITY

A. Please indicate whether the Phase II MS4 performed independent monitoring. If yes, please attach monitoring data collected during reporting period.

☒ The MS4 performed independent monitoring during the reporting period, (Attach monitoring results to this Annual Report form).
COLLIER COUNTY CONDUCTED THE MONITORING AND REPORTED TO FDEP WIN
☐ The MS4 did **NOT** perform independent monitoring during the reporting period.

B. Please indicate which elements of the Stormwater Management Plan the Phase II MS4 is relying on another entity to satisfy. Include New or revised BMP activities that met this criteria. NOTE: These elements should also be listed in Sections II or III of this form.

Element #	BMP #	Name of Responsible Entity

SECTION V. CERTIFICATION STATEMENT AND SIGNATURE

The Responsible Authority listed in Section I.B. of the Annual Report form must sign the following certification statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Phase II MS4 Responsible Authority (type or print):	**Timothy Pinter, P.E.**		
Title:	**Public Works Director**		
Signature:		Date:	09 / 18 / 20

FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

October 19, 2020

Timothy Pinter
Public Works Director
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

Subject: City of Marco Island NPDES Phase II MS4
NPDES Permit ID Number: FLR04E151
Cycle 1 Year 5 Annual Report

Dear Timothy Pinter:

Thank you for your submittal of the Stormwater Management Program (SWMP) Year 5 Annual Report, required under the *Generic Permit for Discharge of Stormwater from Phase II Municipal Separate Storm Sewer Systems*. The purpose of this letter is to inform you that the report is considered to be **incomplete** pursuant to Part VII.C of the permit.

Within 30 days of receiving this letter, please provide a response to the following required improvements.

General Comments:

BMP 1a-04: Please report the total number of utility bills inserts distributed to the city's resident on future reports.

Required Improvements:

BMP 1a-05: Since this BMP is located under element 1 Public Education and Outreach, it can be done with the city staff. Please reword to reflect this on the next permit cycle renewal.

BMP 6b-03: The intend of this BMP is to provide the city staff with an erosion and sediment control inspection training every year. A refresher class can be done once a year. Please submit the erosion and sediment control inspection refresher schedule.

Proposed Changes:

BMP 6a-07: The Department does not approve the removal of the street sweeping program. Please utilize the following MS4 Load Reduction Tool to calculate the removal of trash by street sweeping: https://floridadep.gov/water/stormwater/documents/fsa-ms4-load-reduction-tool-updated-2019

The department has received the Notice of Intent (NOI) and are currently reviewing for renewal of coverage under the permit. The department will provide you with either a Request for Additional Information (RAI) if the NOI is incomplete or issue a Notice of Draft Permit package if the NOI is complete.

If you have any questions, please contact Hector Rivera or the Environmental Supervisor, Borja Crane-Amores. Hector Rivera may be reached at (850) 245-8667 or by email at Hector.Rivera@floridadep.gov. Borja Crane-Amores may be reached at (850) 245-7520 or by email at Borja.CraneAmores@floridadep.gov.

Sincerely,

Hector Rivera, MSPH
Phase II MS4 Coordinator
NPDES Stormwater Program
Division of Water Resource Management

City of Marco Island

November 18, 2020

Hector Rivera, MSPH
Phase II MS4 Coordinator
NPDES Stormwater Program
Division of Water Resource Management

Subject: City of Marco Island NPDES Phase II MS4
NPDES Permit ID Number: FLR04E151
Cycle 1 Year 5 Annual Report

Dear Mr. Rivera:

Per your letter dated October 19, 2020, responses to your comments are below:

General Comments:

BMP 1a-04: Please report the total number of utility bills inserts distributed to the City's resident on future reports.

Response: Understood.

Required Improvements:

BMP 1a-05: Since this BMP is located under element 1 Public Education and Outreach, it can be done with City staff. Please reword to reflect this on the next permit cycle renewal.

Response: Understood. Upon receipt of the approved Cycle 2 NOI, this BMP will be reworded as requested.

BMP 6b-03: The intent of this BMP is to provide the City staff with an erosion and sediment control inspection training every year. A refresher class can be done once a year. Please submit the erosion and sediment control inspection refresher schedule.

Response: See attached schedule/log. The City will have the appropriate staff trained once per year either via refresher class administered by the State or internally (by Jason Tomassetti). Certifications expire after 5 years, so any certified inspector will be recertified as needed through the FSESCI. The City will plan to have additional staff certified moving forward.

Proposed Changes:

BMP 6a-07: The Department does not approve the removal of the street sweeping program. Please utilize the following MS4 Load Reduction Tool to calculate the removal of trash by street sweeping.

Response: Understood. As noted previously, the City did not have a way to record the volume of debris collected by the contracted sweeper. However, moving forward during Cycle 2, the City will be soliciting bids for a City-wide street sweeping program. The load reduction tool will be utilized to quantify nutrient removal based off the recorded quantities from the sweeping contractor.

The Department has received the Notice of Intent (NOI) and are currently reviewing for renewal of coverage under the permit. The department will provide you with either a Request for Additional Information (RAI) if the NOI is incomplete or issue a Notice of Draft Permit package if the NOI is complete.

Response: Understood and thank you.

If you have any questions, or need additional information, please contact me.

Thank you.

Sincerely,

Jason Tomassetti, PE

City of Marco Island
Public Works Department
239-389-5000

FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

November 23, 2020

Timothy Pinter
Public Works Director
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

Subject: City of Marco Island NPDES Phase II MS4
NPDES Permit ID Number: FLR04E151
Acknowledgement of Response to Annual Report (Cycle 1 Year 5)

Dear Timothy Pinter,

Thank you for your response received November 18, 2020 responding to the department's Annual Report, dated October 19, 2020. The department has determined your response to be **satisfactory**. Please ensure all procedures that are in place are being properly documented and tracked for future reports.

If you have any questions, please contact Hector Rivera or the Environmental Supervisor, Borja Crane-Amores. Hector Rivera may be reached at (850) 245-8667 or by email at Hector.Rivera@floridadep.gov. Borja Crane-Amores may be reached at (850) 245-7520 or by email at Borja.CraneAmores@floridadep.gov.

Sincerely,

Hector Rivera, MSPH
Phase II MS4Coordinator
NPDES Stormwater Program
Division of Water Resource Management

Appendix E. Water Quality Monitoring Information

See Appendix B for a map of locations and results of recent monitoring data. The program will continue with the addition of the 4 offshore stations to be sampled by boat.

The City has contracted with Advanced Environmental Laboratories, Inc. (AEL) to both collect and analyze the data monthly. One month's partial report is attached to provide the parameters, methods, and minimum detection limits. One field duplicate and an equipment blank is included each month.

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: MARCO (F2203279)

August 11, 2022

Storm Gewirtz
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

RE: Workorder: F2203279 MARCO

Dear Storm Gewirtz:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday July 20, 2022. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Josh Snead

Josh Snead, Laboratory Manager
JSnead@aellab.com

Certificate of Analysis

NELAP Accredited E84492

Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (239) 674-8130
Fax: (239) 674-8128

FINAL

Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279001	BARFIELD_BRIDGE	WA	Calculation	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	DISRES	07/20/2022 08:11	07/20/2022 11:51	3	NA
F2203279001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 180.1	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 351.2	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 365.3	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	Field Measurements	07/20/2022 08:11	07/20/2022 11:51	6	NA
F2203279001	BARFIELD_BRIDGE	WA	SM 10200 H	07/20/2022 08:11	07/20/2022 11:51	2	NA
F2203279001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:11	07/20/2022 11:51	3	NA
F2203279002	OLDE_MARCO	WA	Calculation	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	DISRES	07/20/2022 08:20	07/20/2022 11:51	3	NA
F2203279002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 180.1	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 351.2	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 365.3	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	Field Measurements	07/20/2022 08:20	07/20/2022 11:51	6	NA
F2203279002	OLDE_MARCO	WA	SM 10200 H	07/20/2022 08:20	07/20/2022 11:51	2	NA
F2203279002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:20	07/20/2022 11:51	3	NA
F2203279003	JH_PARK	WA	Calculation	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	DISRES	07/20/2022 08:30	07/20/2022 11:51	3	NA
F2203279003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 180.1	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 351.2	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 365.3	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	Field Measurements	07/20/2022 08:30	07/20/2022 11:51	6	NA
F2203279003	JH_PARK	WA	SM 10200 H	07/20/2022 08:30	07/20/2022 11:51	2	NA
F2203279003	JH_PARK	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:30	07/20/2022 11:51	3	NA
F2203279004	KENDALL	WA	Calculation	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	DISRES	07/20/2022 08:42	07/20/2022 11:51	3	NA
F2203279004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 180.1	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 351.2	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 365.3	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	Field Measurements	07/20/2022 08:42	07/20/2022 11:51	6	NA

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FINAL

Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279004	KENDALL	WA	SM 10200 H	07/20/2022 08:42	07/20/2022 11:51	2	NA
F2203279004	KENDALL	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:42	07/20/2022 11:51	3	NA
F2203279005	COLLIER_BRIDGE	WA	Calculation	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	DISRES	07/20/2022 08:50	07/20/2022 11:51	3	NA
F2203279005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 180.1	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 351.2	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 365.3	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	Field Measurements	07/20/2022 08:50	07/20/2022 11:51	6	NA
F2203279005	COLLIER_BRIDGE	WA	SM 10200 H	07/20/2022 08:50	07/20/2022 11:51	2	NA
F2203279005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:50	07/20/2022 11:51	3	NA
F2203279006	LANDMARK	WA	Calculation	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	DISRES	07/20/2022 09:01	07/20/2022 11:51	3	NA
F2203279006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 180.1	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 351.2	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 365.3	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	Field Measurements	07/20/2022 09:01	07/20/2022 11:51	6	NA
F2203279006	LANDMARK	WA	SM 10200 H	07/20/2022 09:01	07/20/2022 11:51	2	NA
F2203279006	LANDMARK	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:01	07/20/2022 11:51	3	NA
F2203279007	LANDMARK_DUP	WA	Calculation	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	DISRES	07/20/2022 09:04	07/20/2022 11:51	3	NA
F2203279007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 180.1	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 351.2	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 365.3	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	Field Measurements	07/20/2022 09:04	07/20/2022 11:51	6	NA
F2203279007	LANDMARK_DUP	WA	SM 10200 H	07/20/2022 09:04	07/20/2022 11:51	2	NA
F2203279007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:04	07/20/2022 11:51	3	NA
F2203279008	HC_CENTER	WA	Calculation	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	DISRES	07/20/2022 09:14	07/20/2022 11:51	3	NA
F2203279008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	EPA 180.1	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	EPA 351.2	07/20/2022 09:14	07/20/2022 11:51	1	NA

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FINAL

Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279008	HC_CENTER	WA	EPA 365.3	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	Field Measurements	07/20/2022 09:14	07/20/2022 11:51	6	NA
F2203279008	HC_CENTER	WA	SM 10200 H	07/20/2022 09:14	07/20/2022 11:51	2	NA
F2203279008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:14	07/20/2022 11:51	3	NA
F2203279009	SWALLOW	WA	Calculation	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	DISRES	07/20/2022 09:29	07/20/2022 11:51	3	NA
F2203279009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 180.1	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 351.2	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 365.3	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	Field Measurements	07/20/2022 09:29	07/20/2022 11:51	6	NA
F2203279009	SWALLOW	WA	SM 10200 H	07/20/2022 09:29	07/20/2022 11:51	2	NA
F2203279009	SWALLOW	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:29	07/20/2022 11:51	3	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	Calculation	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	DISRES	07/20/2022 09:40	07/20/2022 11:51	3	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	07/20/2022 09:40	07/20/2022 11:51	6	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	07/20/2022 09:40	07/20/2022 11:51	2	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:40	07/20/2022 11:51	3	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	Calculation	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	DISRES	07/20/2022 09:49	07/20/2022 11:51	3	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	07/20/2022 09:49	07/20/2022 11:51	6	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	07/20/2022 09:49	07/20/2022 11:51	2	NA

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279011	E_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:49	07/20/2022 11:51	3	NA
F2203279012	MCILVAINE	WA	Calculation	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	DISRES	07/20/2022 10:01	07/20/2022 11:51	3	NA
F2203279012	MCILVAINE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 180.1	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 351.2	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 365.3	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	Field Measurements	07/20/2022 10:01	07/20/2022 11:51	6	NA
F2203279012	MCILVAINE	WA	SM 10200 H	07/20/2022 10:01	07/20/2022 11:51	2	NA
F2203279012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:01	07/20/2022 11:51	3	NA
F2203279013	HUMMINGBIRD	WA	Calculation	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	DISRES	07/20/2022 10:15	07/20/2022 11:51	3	NA
F2203279013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 180.1	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 351.2	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 365.3	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	Field Measurements	07/20/2022 10:15	07/20/2022 11:51	6	NA
F2203279013	HUMMINGBIRD	WA	SM 10200 H	07/20/2022 10:15	07/20/2022 11:51	2	NA
F2203279013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:15	07/20/2022 11:51	3	NA
F2203279014	HOLLYHOCK	WA	Calculation	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	DISRES	07/20/2022 10:25	07/20/2022 11:51	3	NA
F2203279014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 180.1	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 351.2	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 365.3	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	Field Measurements	07/20/2022 10:25	07/20/2022 11:51	6	NA
F2203279014	HOLLYHOCK	WA	SM 10200 H	07/20/2022 10:25	07/20/2022 11:51	2	NA
F2203279014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:25	07/20/2022 11:51	3	NA
F2203279015	WINDMILL	WA	Calculation	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	DISRES	07/20/2022 10:37	07/20/2022 11:51	3	NA
F2203279015	WINDMILL	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	EPA 180.1	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	EPA 351.2	07/20/2022 10:37	07/20/2022 11:51	1	NA

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279015	WINDMILL	WA	EPA 365.3	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	Field Measurements	07/20/2022 10:37	07/20/2022 11:51	6	NA
F2203279015	WINDMILL	WA	SM 10200 H	07/20/2022 10:37	07/20/2022 11:51	2	NA
F2203279015	WINDMILL	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:37	07/20/2022 11:51	3	NA
F2203279016	EQUIPMENT_BLANK	WA	Calculation	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 180.1	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 351.2	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 365.3	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	SM 10200 H	07/20/2022 10:42	07/20/2022 11:51	2	NA
F2203279016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:42	07/20/2022 11:51	3	NA

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Workorder: MARCO (F2203279)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

F	DOH Certification #E84492 (FL NELAC) AEL-Ft. Myers
F^	Not Certified
G	DOH Certification #E82001 (FL NELAC) AEL-Gainesville
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279001 **Date Collected:** 07/20/2022 08:11 **Matrix:** Water
Sample ID: BARFIELD_BRIDGE **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	**0.3**	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
Secchi Disc	**1.5**	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
Total Depth	**2**	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	**49508**	umhos/cm			1	07/20/2022 08:11	07/20/2022 08:11	F
DO Saturation %	**81.6**	%			1	07/20/2022 08:11	07/20/2022 08:11	F
Dissolved Oxygen	**5.07**	mg/L			1	07/20/2022 08:11	07/20/2022 08:11	F
Salinity	**32.2**	ppt			1	07/20/2022 08:11	07/20/2022 08:11	F
Temperature	**31.1**	°C			1	07/20/2022 08:11	07/20/2022 08:11	F
pH	**8.12**	SU			1	07/20/2022 08:11	07/20/2022 08:11	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	**0.220**	mg/L	0.2	0.12	1	08/11/2022 14:47	08/11/2022 14:47	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	**0.220 I**	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	**3**	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	**0.097**	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	**0.009 I**	mg/L	0.01	0.0060	1	07/21/2022 13:31	07/21/2022 13:31	T
Nitrate + Nitrite	**0.01 I**	mg/L	0.02	0.010	1	07/21/2022 13:31	07/21/2022 13:31	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:31	07/21/2022 13:31	T

Certificate of Analysis

NELAP Accredited E84492

State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E82574

ADVANCED ENVIRONMENTAL LABORATORIES, INC.
6681 SOUTHPOINT PARKWAY
JACKSONVILLE, FL 32216

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - RADIOCHEMISTRY, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2023 Expiration Date: June 30, 2024

Susanne Crowe, MHA
Interim Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82574-86-07/01/2023
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5105	1,1,1,2-Tetrachloroethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5160	1,1,1-Trichloroethane	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5110	1,1,2,2-Tetrachloroethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5165	1,1,2-Trichloroethane	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4630	1,1-Dichloroethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4640	1,1-Dichloroethylene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4670	1,1-Dichloropropene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5150	1,2,3-Trichlorobenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5180	1,2,3-Trichloropropane	EPA 504.1	10082801	Group II Unregulated Contaminants	5/10/2011
5180	1,2,3-Trichloropropane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5155	1,2,4-Trichlorobenzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5210	1,2,4-Trimethylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	10082801	Synthetic Organic Contaminants	4/4/2002
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	10082801	Synthetic Organic Contaminants	4/4/2002
4610	1,2-Dichlorobenzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4635	1,2-Dichloroethane	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4655	1,2-Dichloropropane	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5215	1,3,5-Trimethylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4615	1,3-Dichlorobenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4660	1,3-Dichloropropane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4620	1,4-Dichlorobenzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
4846	2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (N-EtFOSAA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
4847	2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (N-MeFOSAA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
4665	2,2-Dichloropropane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
8545	2,4-D	EPA 515.3	10088401	Synthetic Organic Contaminants	3/29/2006
4535	2-Chlorotoluene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
7710	3-Hydroxycarbofuran	EPA 531.1	10091006	Group I Unregulated Contaminants	7/12/2019

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
4540	4-Chlorotoluene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
4315	Acetone	EPA 524.2	10088809	Group II Unregulated Contaminants	8/3/2012
7005	Alachlor	EPA 525.2	10089802	Synthetic Organic Contaminants	3/24/2005
7010	Aldicarb (Temik)	EPA 531.1	10091006	Group I Unregulated Contaminants	5/10/2011
7015	Aldicarb sulfone	EPA 531.1	10091006	Group I Unregulated Contaminants	7/26/2012
7020	Aldicarb sulfoxide	EPA 531.1	10091006	Group I Unregulated Contaminants	5/10/2011
7025	Aldrin	EPA 508	10085208	Group I Unregulated Contaminants	5/10/2011
1505	Alkalinity as CaCO3	EPA 310.1	10054805	Primary Inorganic Contaminants	12/8/2006
1505	Alkalinity as CaCO3	SM 2320 B	20045607	Primary Inorganic Contaminants	1/21/2005
1000	Aluminum	EPA 200.7	10013806	Secondary Inorganic Contaminants	4/4/2002
1005	Antimony	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1010	Arsenic	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
7065	Atrazine	EPA 525.2	10089802	Synthetic Organic Contaminants	3/24/2005
1015	Barium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1015	Barium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
4375	Benzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5580	Benzo(a)pyrene	EPA 525.2	10089802	Synthetic Organic Contaminants	1/21/2005
1020	Beryllium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1020	Beryllium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1025	Boron	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/8/2006
9312	Bromoacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	1/21/2005
4385	Bromobenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
9315	Bromochloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	1/21/2005
4390	Bromochloromethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4395	Bromodichloromethane	EPA 524.2	10088809	Group II Unregulated Contaminants	1/21/2005
4400	Bromoform	EPA 524.2	10088809	Group II Unregulated Contaminants	1/21/2005
1030	Cadmium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1030	Cadmium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1035	Calcium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
7195	Carbaryl (Sevin)	EPA 531.1	10091006	Group I Unregulated Contaminants	7/12/2019

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7205	Carbofuran (Furadan)	EPA 531.1	10091006	Synthetic Organic Contaminants	4/19/2005
4455	Carbon tetrachloride	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
7250	Chlordane (tech.)	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
1575	Chloride	EPA 300.0	10053200	Secondary Inorganic Contaminants	5/10/2011
9336	Chloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	1/21/2005
4475	Chlorobenzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4485	Chloroethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4505	Chloroform	EPA 524.2	10088809	Group II Unregulated Contaminants	1/21/2005
1040	Chromium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1040	Chromium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
4645	cis-1,2-Dichloroethylene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4680	cis-1,3-Dichloropropene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
1605	Color	EPA 110.2	10005604	Secondary Inorganic Contaminants	2/13/2003
1605	Color	SM 2120 B	20039309	Secondary Inorganic Contaminants	4/27/2007
1610	Conductivity	EPA 120.1	10006403	Primary Inorganic Contaminants	4/30/2008
1610	Conductivity	SM 2510 B	20048606	Primary Inorganic Contaminants	4/30/2008
1055	Copper	EPA 200.7	10013806	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	4/4/2002
1055	Copper	EPA 200.8	10014605	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	3/25/2015
8555	Dalapon	EPA 515.3	10088401	Synthetic Organic Contaminants	1/21/2005
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 525.2	10089802	Synthetic Organic Contaminants	1/21/2005
6062	Di(2-ethylhexyl)adipate	EPA 525.2	10089802	Synthetic Organic Contaminants	1/21/2005
9357	Dibromoacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	1/21/2005
4575	Dibromochloromethane	EPA 524.2	10088809	Group II Unregulated Contaminants	1/21/2005
4595	Dibromomethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
9360	Dichloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	3/24/2005
4625	Dichlorodifluoromethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
7470	Dieldrin	EPA 508	10085208	Group I Unregulated Contaminants	5/10/2011
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.3	10088401	Synthetic Organic Contaminants	1/21/2005
9390	Diquat	EPA 549.2	10093400	Synthetic Organic Contaminants	4/19/2005
1710	Dissolved organic carbon (DOC)	SM 5310 C	20138812	Primary Inorganic Contaminants	5/9/2022
7525	Endothall	EPA 548.1	10092805	Synthetic Organic Contaminants	1/21/2005
7540	Endrin	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
2525	Escherichia coli	SM 9221 F	20197448	Microbiology	8/3/2012

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Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2525	Escherichia coli	SM 9223 B	20037676	Microbiology	9/5/2002
4765	Ethylbenzene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
1730	Fluoride	EPA 300.0	10053200	Primary Inorganic Contaminants	2/7/2022
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
9411	Glyphosate	EPA 547	10092009	Synthetic Organic Contaminants	4/30/2008
1750	Hardness	SM 2340 B	20046600	Secondary Inorganic Contaminants	12/8/2006
7685	Heptachlor	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
7690	Heptachlor epoxide	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
2555	Heterotrophic plate count	SIMPLATE	60032602	Microbiology	7/27/2021
2555	Heterotrophic plate count	SM 9215 B	20179811	Microbiology	1/21/2005
6275	Hexachlorobenzene	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
4835	Hexachlorobutadiene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
6285	Hexachlorocyclopentadiene	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
6285	Hexachlorocyclopentadiene	EPA 525.2	10089802	Synthetic Organic Contaminants	7/12/2019
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
1070	Iron	EPA 200.7	10013806	Secondary Inorganic Contaminants	4/4/2002
4900	Isopropylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
1075	Lead	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1085	Magnesium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1090	Manganese	EPA 200.7	10013806	Secondary Inorganic Contaminants	4/4/2002
1090	Manganese	EPA 200.8	10014605	Secondary Inorganic Contaminants	12/8/2006
1095	Mercury	EPA 1631	10122802	Primary Inorganic Contaminants	2/18/2016
1095	Mercury	EPA 245.1	10036609	Primary Inorganic Contaminants	4/4/2002
7800	Methiocarb (Mesurol)	EPA 531.1	10091006	Group I Unregulated Contaminants	7/12/2019
7805	Methomyl (Lannate)	EPA 531.1	10091006	Group I Unregulated Contaminants	7/12/2019
7810	Methoxychlor	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
4950	Methyl bromide (Bromomethane)	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4960	Methyl chloride (Chloromethane)	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5000	Methyl tert-butyl ether (MTBE)	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4975	Methylene chloride	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
1100	Molybdenum	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/8/2006
1100	Molybdenum	EPA 200.8	10014605	Secondary Inorganic Contaminants	4/27/2007
5005	Naphthalene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
4435	n-Butylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1105	Nickel	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
1105	Nickel	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1805	Nitrate	EPA 300.0	10053200	Primary Inorganic Contaminants	5/10/2011
1835	Nitrite	EPA 300.0	10053200	Primary Inorganic Contaminants	5/10/2011
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
5090	n-Propylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
1855	Odor	SM 2150 B	20043805	Secondary Inorganic Contaminants	2/13/2003
1870	Orthophosphate as P	EPA 300.0	10053200	Primary Inorganic Contaminants	5/10/2011
7940	Oxamyl	EPA 531.1	10091006	Synthetic Organic Contaminants	2/25/2015
8872	PCB Screen as AROCLORS	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
6605	Pentachlorophenol	EPA 515.3	10088401	Synthetic Organic Contaminants	1/21/2005
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6911	Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6911	Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6919	Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6925	Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6909	Perfluorooctane sulfonate (PFOS, Perfluoro-octane Sulfonic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6932	Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6932	Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6934	Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6935	Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	EPA 533	10091619	Group III Unregulated Contaminants	6/19/2020
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/7/2023
1900	pH	EPA 150.1	10008409	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	4/4/2002
1900	pH	SM 4500-H+-B	20105219	Secondary Inorganic Contaminants	2/28/2008
8645	Picloram	EPA 515.3	10088401	Synthetic Organic Contaminants	1/21/2005
4910	p-Isopropyltoluene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
1125	Potassium	EPA 200.7	10013806	Secondary Inorganic Contaminants	1/21/2005
8080	Propoxur (Baygon)	EPA 531.1	10091006	Group I Unregulated Contaminants	7/12/2019
1955	Residue-filterable (TDS)	EPA 160.1	10009208	Secondary Inorganic Contaminants	4/4/2002
1955	Residue-filterable (TDS)	SM 2540 C	20050402	Secondary Inorganic Contaminants	2/28/2008
1975	Salinity	SM 2520 B	20004006	Secondary Inorganic Contaminants	8/3/2012
4440	sec-Butylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
1140	Selenium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
1990	Silica as SiO2	EPA 200.7	10013806	Primary Inorganic Contaminants	1/21/2005
1150	Silver	EPA 200.7	10013806	Secondary Inorganic Contaminants	4/4/2002
1150	Silver	EPA 200.8	10014605	Secondary Inorganic Contaminants	12/8/2006
8650	Silvex (2,4,5-TP)	EPA 515.3	10088401	Synthetic Organic Contaminants	1/21/2005
8125	Simazine	EPA 525.2	10089802	Synthetic Organic Contaminants	3/24/2005
1155	Sodium	EPA 200.7	10013806	Primary Inorganic Contaminants	4/4/2002
5100	Styrene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
2000	Sulfate	EPA 300.0	10053200	Primary Inorganic Contaminants	5/10/2011

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4445	tert-Butylbenzene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
5115	Tetrachloroethylene (Perchloroethylene)	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
1165	Thallium	EPA 200.8	10014605	Primary Inorganic Contaminants	12/8/2006
5140	Toluene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
2500	Total coliforms	SM 9222 B	20203401	Microbiology	4/4/2002
2500	Total coliforms	SM 9223 B	20037676	Microbiology	9/5/2002
2500	Total coliforms	SM 9223 B /QUANTI-TRAY	20211603	Microbiology	5/9/2022
9414	Total haloacetic acids (HAA5)	EPA 552.2	10095804	Synthetic Organic Contaminants	1/21/2005
1825	Total nitrate-nitrite	EPA 300.0	10053200	Primary Inorganic Contaminants	5/10/2011
2040	Total organic carbon	SM 5310 C	20138812	Primary Inorganic Contaminants	5/9/2022
5205	Total trihalomethanes	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
8250	Toxaphene (Chlorinated camphene)	EPA 508	10085208	Synthetic Organic Contaminants	3/24/2005
4700	trans-1,2-Dichloroethylene	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
4685	trans-1,3-Dichloropropene	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
9642	Trichloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	1/21/2005
5170	Trichloroethene (Trichloroethylene)	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5175	Trichlorofluoromethane	EPA 524.2	10088809	Group II Unregulated Contaminants	10/26/2009
2055	Turbidity	EPA 180.1	10011800	Secondary Inorganic Contaminants	7/17/2002
1184	Uranium (mass)	EPA 200.8	10014605	Radiochemistry	7/1/2007
5235	Vinyl chloride	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
5260	Xylene (total)	EPA 524.2	10088809	Other Regulated Contaminants	1/21/2005
1190	Zinc	EPA 200.7	10013806	Secondary Inorganic Contaminants	4/4/2002
1190	Zinc	EPA 200.8	10014605	Secondary Inorganic Contaminants	12/8/2006

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5105	1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5105	1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5105	1,1,1,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
5160	1,1,1-Trichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
5110	1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
5165	1,1,2-Trichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4630	1,1-Dichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4640	1,1-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5155	1,2,4-Trichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	10173009	Volatile Organics	12/8/2006
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	10173009	Volatile Organics	12/8/2006
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4610	1,2-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4635	1,2-Dichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4655	1,2-Dichloropropane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4655	1,2-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4655	1,2-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4655	1,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6411	1,2-Diphenylhydrazine (as Azobenzene)	EPA 625.1	10300024	Extractable Organics	1/22/2018
5215	1,3,5-Trimethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5215	1,3,5-Trimethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5215	1,3,5-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4615	1,3-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4620	1,4-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270C	10185805	Extractable Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270D	10186035	Extractable Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270E	10242543	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
5790	1-Chloronaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5790	1-Chloronaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5790	1-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6380	1-Methylnaphthalene	EPA 625.1	10300024	Extractable Organics	7/1/2018
6380	1-Methylnaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6380	1-Methylnaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6380	1-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
4846	2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (N-EtFOSAA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
4846	2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (N-EtFOSAA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4847	2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (N-MeFOSAA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4847	2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (N-MeFOSAA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4665	2,2-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4665	2,2-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4665	2,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625.1	10300024	Extractable Organics	1/22/2018
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
6735	2,3,4,6-Tetrachlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6735	2,3,4,6-Tetrachlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6740	2,3,5,6-Tetrachlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
9363	2,3-Dichloroaniline	EPA 625.1	10300024	Extractable Organics	1/22/2018
8655	2,4,5-T	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6835	2,4,5-Trichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6835	2,4,5-Trichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6835	2,4,5-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6840	2,4,6-Trichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
9651	2,4,6-Trinitrotoluene (2,4,6-TNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9651	2,4,6-Trinitrotoluene (2,4,6-TNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
8545	2,4-D	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8560	2,4-DB	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6000	2,4-Dichlorophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6000	2,4-Dichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6000	2,4-Dichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6000	2,4-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6130	2,4-Dimethylphenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6130	2,4-Dimethylphenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6130	2,4-Dimethylphenol	EPA 8270D	10186035	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6130	2,4-Dimethylphenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6175	2,4-Dinitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	10300024	Extractable Organics	1/22/2018
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 625.1	10300024	Extractable Organics	7/12/2019
6005	2,6-Dichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	10300024	Extractable Organics	1/22/2018
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270E	10242543	Extractable Organics	2/10/2023
9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 624.1	10298121	Volatile Organics	1/22/2018
4500	2-Chloroethyl vinyl ether	EPA 8260B	10184802	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 8260C	10307003	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 8260D	10307127	Volatile Organics	2/10/2023
5795	2-Chloronaphthalene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5795	2-Chloronaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5795	2-Chloronaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5795	2-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
5800	2-Chlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5866	2-Ethoxyethanol (Ethyl Cellusolve)	EPA 8015C	10173816	Volatile Organics	2/10/2023
9340	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9338	2H,2H,3H,3H-Perfluoro-octanoic Acid (5:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4860	2-Hexanone	EPA 8260B	10184802	Volatile Organics	2/10/2023
4860	2-Hexanone	EPA 8260C	10307003	Volatile Organics	2/10/2023
4860	2-Hexanone	EPA 8260D	10307127	Volatile Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6360	2-Methyl-4,6-dinitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 625.1	10300024	Extractable Organics	7/12/2019
6385	2-Methylnaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 625.1	10300024	Extractable Organics	1/22/2018
6400	2-Methylphenol (o-Cresol)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
6490	2-Nitrophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6490	2-Nitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6490	2-Nitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6490	2-Nitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
5020	2-Nitropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5020	2-Nitropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5020	2-Nitropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
9507	2-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9507	2-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270D	10186035	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	Extractable Organics	2/10/2023
5065	2-Propanol	EPA 8260D	10307127	Volatile Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 625.1	10300024	Extractable Organics	1/22/2018
5945	3,3'-Dichlorobenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6150	3,5-Dinitroaniline	EPA 8330B	10308006	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 625.1	10300024	Extractable Organics	7/12/2019
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
9510	3-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9510	3-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
9353	4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
7355	4,4'-DDD	EPA 608.3	10296614	Extractable Organics	1/22/2018
7355	4,4'-DDD	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7360	4,4'-DDE	EPA 608.3	10296614	Extractable Organics	1/22/2018
7360	4,4'-DDE	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7365	4,4'-DDT	EPA 608.3	10296614	Extractable Organics	1/22/2018
7365	4,4'-DDT	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)	EPA 8330B	10308006	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270C	10185805	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270D	10186035	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270E	10242543	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 625.1	10300024	Extractable Organics	1/22/2018
5660	4-Bromophenyl phenyl ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
5700	4-Chloro-3-methylphenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 625.1	10300024	Extractable Organics	1/22/2018
5825	4-Chlorophenyl phenylether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 8270E	10242543	Extractable Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6470	4-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6470	4-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6470	4-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6500	4-Nitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6510	4-Nitroquinoline 1-oxide	EPA 8270C	10185805	Extractable Organics	2/10/2023
6510	4-Nitroquinoline 1-oxide	EPA 8270D	10186035	Extractable Organics	2/10/2023
6510	4-Nitroquinoline 1-oxide	EPA 8270E	10242543	Extractable Organics	2/10/2023
9513	4-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9513	4-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6125	a,a-Dimethylphenethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6125	a,a-Dimethylphenethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6125	a,a-Dimethylphenethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5500	Acenaphthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5505	Acenaphthylene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4315	Acetone	EPA 8260B	10184802	Volatile Organics	2/10/2023
4315	Acetone	EPA 8260C	10307003	Volatile Organics	2/10/2023
4315	Acetone	EPA 8260D	10307127	Volatile Organics	2/10/2023
4320	Acetonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4320	Acetonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023
4320	Acetonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
5510	Acetophenone	EPA 625.1	10300024	Extractable Organics	1/22/2018
5510	Acetophenone	EPA 8270C	10185805	Extractable Organics	2/10/2023
5510	Acetophenone	EPA 8270D	10186035	Extractable Organics	2/10/2023
5510	Acetophenone	EPA 8270E	10242543	Extractable Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 624.1	10298121	Volatile Organics	1/22/2018
4325	Acrolein (Propenal)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4340	Acrylonitrile	EPA 624.1	10298121	Volatile Organics	1/22/2018
4340	Acrylonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023
4340	Acrylonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023
4340	Acrylonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
4345	Adsorbable organic halogens (AOX)	EPA 1650	10125005	General Chemistry	7/1/2018
7005	Alachlor	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7005	Alachlor	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7005	Alachlor	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
7025	Aldrin	EPA 608.3	10296614	Extractable Organics	1/22/2018
7025	Aldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1505	Alkalinity as CaCO3	EPA 310.1	10054805	General Chemistry	2/13/2003
1505	Alkalinity as CaCO3	SM 2320 B-2011	20045618	General Chemistry	7/15/2022
4355	Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4355	Allyl chloride (3-Chloropropene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4355	Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	10296614	Extractable Organics	1/22/2018
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7240	alpha-Chlordane	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	7/12/2019
7240	alpha-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6700	alpha-Terpineol	EPA 625.1	10300024	Extractable Organics	1/22/2018
1000	Aluminum	EPA 6010C	10155905	Metals	2/10/2023
1000	Aluminum	EPA 200.7	10013806	Metals	4/4/2002
1000	Aluminum	EPA 200.8	10014605	Metals	6/6/2017
1000	Aluminum	EPA 6010D	10155950	Metals	2/10/2023
1000	Aluminum	EPA 6020A	10156419	Metals	2/10/2023
1000	Aluminum	EPA 6020B	10156420	Metals	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7035	Ametryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7035	Ametryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7035	Ametryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
5545	Aniline	EPA 625.1	10300024	Extractable Organics	1/22/2018
5545	Aniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
5545	Aniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
5545	Aniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
5555	Anthracene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5555	Anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5555	Anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5555	Anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
1005	Antimony	EPA 6010C	10155905	Metals	2/10/2023
1005	Antimony	EPA 200.7	10013806	Metals	4/4/2002
1005	Antimony	EPA 200.8	10014605	Metals	12/8/2006
1005	Antimony	EPA 6010D	10155950	Metals	2/10/2023
1005	Antimony	EPA 6020A	10156419	Metals	2/10/2023
1005	Antimony	EPA 6020B	10156420	Metals	2/10/2023
5560	Aramite	EPA 8270C	10185805	Extractable Organics	2/10/2023
5560	Aramite	EPA 8270D	10186035	Extractable Organics	2/10/2023
5560	Aramite	EPA 8270E	10242543	Extractable Organics	2/10/2023
8880	Aroclor-1016 (PCB-1016)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8880	Aroclor-1016 (PCB-1016)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8885	Aroclor-1221 (PCB-1221)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8885	Aroclor-1221 (PCB-1221)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8890	Aroclor-1232 (PCB-1232)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8890	Aroclor-1232 (PCB-1232)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8895	Aroclor-1242 (PCB-1242)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8895	Aroclor-1242 (PCB-1242)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8900	Aroclor-1248 (PCB-1248)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8900	Aroclor-1248 (PCB-1248)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8905	Aroclor-1254 (PCB-1254)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8905	Aroclor-1254 (PCB-1254)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8910	Aroclor-1260 (PCB-1260)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8910	Aroclor-1260 (PCB-1260)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8912	Aroclor-1262 (PCB-1262)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8913	Aroclor-1268 (PCB-1268)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1010	Arsenic	EPA 6010C	10155905	Metals	2/10/2023
1010	Arsenic	EPA 200.7	10013806	Metals	4/4/2002
1010	Arsenic	EPA 200.8	10014605	Metals	12/8/2006
1010	Arsenic	EPA 6010D	10155950	Metals	2/10/2023
1010	Arsenic	EPA 6020A	10156419	Metals	2/10/2023
1010	Arsenic	EPA 6020B	10156420	Metals	2/10/2023
7065	Atrazine	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270E	10242543	Extractable Organics	2/10/2023
7075	Azinphos-methyl (Guthion)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1015	Barium	EPA 6010C	10155905	Metals	2/10/2023
1015	Barium	EPA 200.7	10013806	Metals	4/4/2002
1015	Barium	EPA 200.8	10014605	Metals	12/8/2006
1015	Barium	EPA 6010D	10155950	Metals	2/10/2023
1015	Barium	EPA 6020A	10156419	Metals	2/10/2023
1015	Barium	EPA 6020B	10156420	Metals	2/10/2023
5570	Benzaldehyde	EPA 8270C	10185805	Extractable Organics	2/10/2023
5570	Benzaldehyde	EPA 8270D	10186035	Extractable Organics	2/10/2023
5570	Benzaldehyde	EPA 8270E	10242543	Extractable Organics	2/10/2023
4375	Benzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4375	Benzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4375	Benzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4375	Benzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5595	Benzidine	EPA 625.1	10300024	Extractable Organics	1/22/2018
5595	Benzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5595	Benzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5595	Benzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5575	Benzo(a)anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5580	Benzo(a)pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5585	Benzo(b)fluoranthene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5585	Benzo(b)fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5585	Benzo(b)fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5585	Benzo(b)fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5590	Benzo(g,h,i)perylene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5600	Benzo(k)fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5610	Benzoic acid	EPA 625.1	10300024	Extractable Organics	7/12/2019
5610	Benzoic acid	EPA 8270C	10185805	Extractable Organics	2/10/2023
5610	Benzoic acid	EPA 8270D	10186035	Extractable Organics	2/10/2023
5610	Benzoic acid	EPA 8270E	10242543	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270E	10242543	Extractable Organics	2/10/2023
1020	Beryllium	EPA 6010C	10155905	Metals	2/10/2023
1020	Beryllium	EPA 200.7	10013806	Metals	4/4/2002
1020	Beryllium	EPA 200.8	10014605	Metals	12/8/2006
1020	Beryllium	EPA 6010D	10155950	Metals	2/10/2023
1020	Beryllium	EPA 6020A	10156419	Metals	2/10/2023
1020	Beryllium	EPA 6020B	10156420	Metals	2/10/2023
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	10296614	Extractable Organics	1/22/2018
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1530	Biochemical oxygen demand	SM 5210 B-2016	20135039	General Chemistry	7/15/2022
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270E	10242543	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 625.1	10300024	Extractable Organics	1/22/2018
5760	bis(2-Chloroethoxy)methane	EPA 8270C	10185805	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 8270D	10186035	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 8270E	10242543	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 625.1	10300024	Extractable Organics	1/22/2018

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5765	bis(2-Chloroethyl) ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
1025	Boron	EPA 6010C	10155905	Metals	2/10/2023
1025	Boron	EPA 200.7	10013806	Metals	1/21/2005
1025	Boron	EPA 200.8	10014605	Metals	7/12/2019
1025	Boron	EPA 6010D	10155950	Metals	2/10/2023
1540	Bromide	EPA 300.0	10053200	General Chemistry	6/19/2020
1540	Bromide	EPA 9056A	10199607	General Chemistry	2/10/2023
4385	Bromobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4385	Bromobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4385	Bromobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4395	Bromodichloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4400	Bromoform	EPA 624.1	10298121	Volatile Organics	1/22/2018
4400	Bromoform	EPA 8260B	10184802	Volatile Organics	2/10/2023
4400	Bromoform	EPA 8260C	10307003	Volatile Organics	2/10/2023
4400	Bromoform	EPA 8260D	10307127	Volatile Organics	2/10/2023
5670	Butyl benzyl phthalate	EPA 625.1	10300024	Extractable Organics	1/22/2018
5670	Butyl benzyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
5670	Butyl benzyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
5670	Butyl benzyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
1030	Cadmium	EPA 6010C	10155905	Metals	2/10/2023
1030	Cadmium	EPA 200.7	10013806	Metals	8/14/2002
1030	Cadmium	EPA 200.8	10014605	Metals	12/8/2006
1030	Cadmium	EPA 6010D	10155950	Metals	2/10/2023
1030	Cadmium	EPA 6020A	10156419	Metals	2/10/2023
1030	Cadmium	EPA 6020B	10156420	Metals	2/10/2023
1035	Calcium	EPA 6010C	10155905	Metals	2/10/2023
1035	Calcium	EPA 200.7	10013806	Metals	4/4/2002
1035	Calcium	EPA 6010D	10155950	Metals	2/10/2023

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7180	Caprolactam	EPA 8270C	10185805	Extractable Organics	2/10/2023
7180	Caprolactam	EPA 8270D	10186035	Extractable Organics	2/10/2023
7180	Caprolactam	EPA 8270E	10242543	Extractable Organics	2/10/2023
5680	Carbazole	EPA 625.1	10300024	Extractable Organics	1/22/2018
5680	Carbazole	EPA 8270C	10185805	Extractable Organics	2/10/2023
5680	Carbazole	EPA 8270D	10186035	Extractable Organics	2/10/2023
5680	Carbazole	EPA 8270E	10242543	Extractable Organics	2/10/2023
4450	Carbon disulfide	EPA 8260B	10184802	Volatile Organics	2/10/2023
4450	Carbon disulfide	EPA 8260C	10307003	Volatile Organics	2/10/2023
4450	Carbon disulfide	EPA 8260D	10307127	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 624.1	10298121	Volatile Organics	1/22/2018
4455	Carbon tetrachloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
1555	Carbonaceous BOD (CBOD)	SM 5210 B-2016	20135039	General Chemistry	7/15/2022
1565	Chemical oxygen demand	EPA 410.4	10077404	General Chemistry	5/10/2011
7250	Chlordane (tech.)	EPA 608.3	10296614	Extractable Organics	1/22/2018
7250	Chlordane (tech.)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1575	Chloride	EPA 300.0	10053200	General Chemistry	5/10/2011
1575	Chloride	EPA 9056A	10199607	General Chemistry	2/10/2023
4475	Chlorobenzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4475	Chlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4475	Chlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4475	Chlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
7260	Chlorobenzilate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7260	Chlorobenzilate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7260	Chlorobenzilate	EPA 8270E	10242543	Extractable Organics	2/10/2023
4485	Chloroethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4485	Chloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4485	Chloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4485	Chloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4505	Chloroform	EPA 624.1	10298121	Volatile Organics	1/22/2018
4505	Chloroform	EPA 8260B	10184802	Volatile Organics	2/10/2023
4505	Chloroform	EPA 8260C	10307003	Volatile Organics	2/10/2023
4505	Chloroform	EPA 8260D	10307127	Volatile Organics	2/10/2023
4525	Chloroprene	EPA 8260B	10184802	Volatile Organics	2/10/2023

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4525	Chloroprene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4525	Chloroprene	EPA 8260D	10307127	Volatile Organics	2/10/2023
7300	Chlorpyrifos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7305	Chlorpyrifos methyl	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1040	Chromium	EPA 6010C	10155905	Metals	2/10/2023
1040	Chromium	EPA 200.7	10013806	Metals	4/4/2002
1040	Chromium	EPA 200.8	10014605	Metals	12/8/2006
1040	Chromium	EPA 6010D	10155950	Metals	2/10/2023
1040	Chromium	EPA 6020A	10156419	Metals	2/10/2023
1040	Chromium	EPA 6020B	10156420	Metals	2/10/2023
1045	Chromium VI	EPA 7196A	10162400	Metals	2/10/2023
1045	Chromium VI	SM 3500-Cr D (18th/19th Ed.)/UV-VIS	20009001	General Chemistry	4/17/2002
5855	Chrysene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5855	Chrysene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5855	Chrysene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5855	Chrysene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 624.1	10298121	Volatile Organics	7/12/2019
4645	cis-1,2-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4680	cis-1,3-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1050	Cobalt	EPA 6010C	10155905	Metals	2/10/2023
1050	Cobalt	EPA 200.7	10013806	Metals	4/4/2002
1050	Cobalt	EPA 200.8	10014605	Metals	12/8/2006
1050	Cobalt	EPA 6010D	10155950	Metals	2/10/2023
1050	Cobalt	EPA 6020A	10156419	Metals	2/10/2023
1050	Cobalt	EPA 6020B	10156420	Metals	2/10/2023
1605	Color	EPA 110.2	10005604	General Chemistry	2/13/2003
1605	Color	SM 2120 B-2011	20039310	General Chemistry	7/15/2022
1610	Conductivity	EPA 120.1	10006403	General Chemistry	4/30/2008

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1610	Conductivity	EPA 9050A	10198808	General Chemistry	2/10/2023
1610	Conductivity	SM 2510 B-2011	20048617	General Chemistry	7/15/2022
1055	Copper	EPA 6010C	10155905	Metals	2/10/2023
1055	Copper	EPA 200.7	10013806	Metals	4/4/2002
1055	Copper	EPA 200.8	10014605	Metals	12/8/2006
1055	Copper	EPA 6010D	10155950	Metals	2/10/2023
1055	Copper	EPA 6020A	10156419	Metals	2/10/2023
1055	Copper	EPA 6020B	10156420	Metals	2/10/2023
1620	Corrosivity (langlier index)	SM 2330 B	20003207	General Chemistry	4/27/2007
1625	Corrosivity (pH)	EPA 9040C	10244403	General Chemistry	2/10/2023
4555	Cyclohexane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4555	Cyclohexane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4555	Cyclohexane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4560	Cyclohexanone	EPA 8260D	10307127	Volatile Organics	2/10/2023
8555	Dalapon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7105	delta-BHC	EPA 608.3	10296614	Extractable Organics	1/22/2018
7105	delta-BHC	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7390	Demeton	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7395	Demeton-o	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7385	Demeton-s	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 625.1	10300024	Extractable Organics	1/22/2018
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6062	Di(2-ethylhexyl)adipate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6062	Di(2-ethylhexyl)adipate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6062	Di(2-ethylhexyl)adipate	EPA 8270E	10242543	Extractable Organics	2/10/2023
7405	Diallate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7405	Diallate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7405	Diallate	EPA 8270E	10242543	Extractable Organics	2/10/2023
7410	Diazinon	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5895	Dibenz(a,h)anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5900	Dibenz(a,j)acridine	EPA 8270C	10185805	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5900	Dibenz(a,j)acridine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5900	Dibenz(a,j)acridine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270C	10185805	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270D	10186035	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270E	10242543	Extractable Organics	2/10/2023
4575	Dibromochloromethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
4575	Dibromochloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4575	Dibromochloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4575	Dibromochloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
8595	Dicamba	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
4625	Dichlorodifluoromethane	EPA 624.1	10298121	Volatile Organics	6/19/2020
4625	Dichlorodifluoromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4625	Dichlorodifluoromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4625	Dichlorodifluoromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
8605	Dichloroprop (Dichlorprop)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7470	Dieldrin	EPA 608.3	10296614	Extractable Organics	1/22/2018
7470	Dieldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
9369	Diesel range organics (DRO)	EPA 8015C	10173816	Extractable Organics	2/10/2023
4725	Diethyl ether	EPA 8260B	10184802	Volatile Organics	2/10/2023
4725	Diethyl ether	EPA 8260C	10307003	Volatile Organics	2/10/2023
4725	Diethyl ether	EPA 8260D	10307127	Volatile Organics	2/10/2023
6070	Diethyl phthalate	EPA 625.1	10300024	Extractable Organics	1/22/2018
6070	Diethyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6070	Diethyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6070	Diethyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7475	Dimethoate	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270E	10242543	Extractable Organics	2/10/2023
6135	Dimethyl phthalate	EPA 625.1	10300024	Extractable Organics	1/22/2018

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6135	Dimethyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6135	Dimethyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6135	Dimethyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 625.1	10300024	Extractable Organics	1/22/2018
5925	Di-n-butyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 625.1	10300024	Extractable Organics	1/22/2018
6200	Di-n-octyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6205	Diphenylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6205	Diphenylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6205	Diphenylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
1710	Dissolved organic carbon (DOC)	SM 5310 C	20138812	General Chemistry	5/9/2022
8625	Disulfoton	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
7510	Endosulfan I	EPA 608.3	10296614	Extractable Organics	1/22/2018
7510	Endosulfan I	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7515	Endosulfan II	EPA 608.3	10296614	Extractable Organics	1/22/2018
7515	Endosulfan II	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7520	Endosulfan sulfate	EPA 608.3	10296614	Extractable Organics	1/22/2018
7520	Endosulfan sulfate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7540	Endrin	EPA 608.3	10296614	Extractable Organics	1/22/2018
7540	Endrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7530	Endrin aldehyde	EPA 608.3	10296614	Extractable Organics	1/22/2018
7530	Endrin aldehyde	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7535	Endrin ketone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2520	Enterococci	ENTEROLERT / QUANTI-TRAY	60030208	Microbiology	7/1/2018
2525	Escherichia coli	SM 9223 B (Colilert Quanti-Tray)-2016	20211647	Microbiology	7/15/2022
4747	Ethane	RSK-175	10212905	Volatile Organics	2/18/2016
4750	Ethanol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260B	10184802	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260C	10307003	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260D	10307127	Volatile Organics	2/10/2023
7565	Ethion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7570	Ethoprop	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4755	Ethyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4755	Ethyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4755	Ethyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260D	10307127	Volatile Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	2/10/2023
4765	Ethylbenzene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4765	Ethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4765	Ethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4765	Ethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4752	Ethylene	RSK-175	10212905	Volatile Organics	2/18/2016
4785	Ethylene glycol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7580	Famphur	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270E	10242543	Extractable Organics	2/10/2023
2530	Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	60002688	Microbiology	7/1/2018
2530	Fecal coliforms	SM 9222 D-2015	20210020	Microbiology	7/15/2022
7600	Fensulfothion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1074	Ferric Iron (calculation)	SM 3500-Fe D (18th/19th Ed.)/UV-VIS	20009603	Metals	6/7/2023
6265	Fluoranthene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6265	Fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6265	Fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6265	Fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6270	Fluorene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6270	Fluorene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6270	Fluorene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6270	Fluorene	EPA 8270E	10242543	Extractable Organics	2/10/2023
1730	Fluoride	EPA 300.0	10053200	General Chemistry	5/10/2011
1730	Fluoride	EPA 9056A	10199607	General Chemistry	2/10/2023
7640	Fonophos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	10296614	Extractable Organics	1/22/2018
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7245	gamma-Chlordane	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	7/12/2019
7245	gamma-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
9408	Gasoline range organics (GRO)	EPA 8015C	10173816	Volatile Organics	2/10/2023
1750	Hardness	SM 2340 B-2011	20046611	General Chemistry	7/15/2022
7685	Heptachlor	EPA 608.3	10296614	Extractable Organics	1/22/2018
7685	Heptachlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7690	Heptachlor epoxide	EPA 608.3	10296614	Extractable Organics	1/22/2018
7690	Heptachlor epoxide	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6275	Hexachlorobenzene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6275	Hexachlorobenzene	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6275	Hexachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6275	Hexachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6275	Hexachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 625.1	10300024	Extractable Organics	1/22/2018
4835	Hexachlorobutadiene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 625.1	10300024	Extractable Organics	1/22/2018

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Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6285	Hexachlorocyclopentadiene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 625.1	10300024	Extractable Organics	1/22/2018
4840	Hexachloroethane	EPA 8270C	10185805	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 8270D	10186035	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 8270E	10242543	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270E	10242543	Extractable Organics	2/10/2023
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1780	Ignitability	EPA 1020	10116800	General Chemistry	6/6/2017
6315	Indeno(1,2,3-cd)pyrene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6315	Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6315	Indeno(1,2,3-cd)pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6315	Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1070	Iron	EPA 6010C	10155905	Metals	2/10/2023
1070	Iron	EPA 200.7	10013806	Metals	4/4/2002
1070	Iron	EPA 200.8	10014605	Metals	6/6/2017
1070	Iron	EPA 6010D	10155950	Metals	2/10/2023
1070	Iron	EPA 6020A	10156419	Metals	2/10/2023
1070	Iron	EPA 6020B	10156420	Metals	2/10/2023
1073	Iron-(II) (Ferrous Iron)	SM 3500-Fe D (18th/19th Ed.)/UV-VIS	20009603	Metals	10/26/2009
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7725	Isodrin	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7725	Isodrin	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7725	Isodrin	EPA 8270E	10242543	Extractable Organics	2/10/2023
6320	Isophorone	EPA 625.1	10300024	Extractable Organics	1/22/2018

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6320	Isophorone	EPA 8270C	10185805	Extractable Organics	2/10/2023
6320	Isophorone	EPA 8270D	10186035	Extractable Organics	2/10/2023
6320	Isophorone	EPA 8270E	10242543	Extractable Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6325	Isosafrole	EPA 8270C	10185805	Extractable Organics	2/10/2023
6325	Isosafrole	EPA 8270D	10186035	Extractable Organics	2/10/2023
6325	Isosafrole	EPA 8270E	10242543	Extractable Organics	2/10/2023
7740	Kepone	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7740	Kepone	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7740	Kepone	EPA 8270E	10242543	Extractable Organics	2/10/2023
1075	Lead	EPA 6010C	10155905	Metals	2/10/2023
1075	Lead	EPA 200.7	10013806	Metals	4/4/2002
1075	Lead	EPA 200.8	10014605	Metals	12/8/2006
1075	Lead	EPA 6010D	10155950	Metals	2/10/2023
1075	Lead	EPA 6020A	10156419	Metals	2/10/2023
1075	Lead	EPA 6020B	10156420	Metals	2/10/2023
1080	Lithium	EPA 6010C	10155905	Metals	2/10/2023
1080	Lithium	EPA 200.7	10013806	Metals	6/6/2017
1080	Lithium	EPA 6010D	10155950	Metals	2/10/2023
5240	m+p-Xylenes	EPA 624.1	10298121	Volatile Organics	6/19/2020
5240	m+p-Xylenes	EPA 8260B	10184802	Volatile Organics	2/10/2023
5240	m+p-Xylenes	EPA 8260C	10307003	Volatile Organics	2/10/2023
5240	m+p-Xylenes	EPA 8260D	10307127	Volatile Organics	2/10/2023
1085	Magnesium	EPA 6010C	10155905	Metals	2/10/2023
1085	Magnesium	EPA 200.7	10013806	Metals	4/4/2002
1085	Magnesium	EPA 6010D	10155950	Metals	2/10/2023
7770	Malathion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1090	Manganese	EPA 6010C	10155905	Metals	2/10/2023
1090	Manganese	EPA 200.7	10013806	Metals	4/4/2002
1090	Manganese	EPA 200.8	10014605	Metals	12/8/2006

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1090	Manganese	EPA 6010D	10155950	Metals	2/10/2023
1090	Manganese	EPA 6020A	10156419	Metals	2/10/2023
1090	Manganese	EPA 6020B	10156420	Metals	2/10/2023
7775	MCPA	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7780	MCPP	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
1095	Mercury	EPA 1631	10122802	Metals	2/18/2016
1095	Mercury	EPA 245.1	10036609	Metals	4/4/2002
1095	Mercury	EPA 7470A	10165807	Metals	2/10/2023
7785	Merphos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4925	Methacrylonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023
4925	Methacrylonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023
4925	Methacrylonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
4926	Methane	RSK-175	10212905	Volatile Organics	2/18/2016
4930	Methanol	EPA 8015C	10173816	Volatile Organics	2/10/2023
6345	Methapyrilene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6345	Methapyrilene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6345	Methapyrilene	EPA 8270E	10242543	Extractable Organics	2/10/2023
7810	Methoxychlor	EPA 608.3	10296614	Extractable Organics	1/22/2018
7810	Methoxychlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
4940	Methyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4940	Methyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4940	Methyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 624.1	10298121	Volatile Organics	1/22/2018
4950	Methyl bromide (Bromomethane)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 624.1	10298121	Volatile Organics	1/22/2018
4960	Methyl chloride (Chloromethane)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260D	10307127	Volatile Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7825	Methyl parathion (Parathion, methyl)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	Extractable Organics	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 624.1	10298121	Volatile Organics	1/22/2018
5000	Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 624.1	10298121	Volatile Organics	1/22/2018
4975	Methylene chloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
7850	Mevinphos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7870	Mirex	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1100	Molybdenum	EPA 6010C	10155905	Metals	2/10/2023
1100	Molybdenum	EPA 200.7	10013806	Metals	4/4/2002
1100	Molybdenum	EPA 200.8	10014605	Metals	12/8/2006
1100	Molybdenum	EPA 6010D	10155950	Metals	2/10/2023
1100	Molybdenum	EPA 6020A	10156419	Metals	2/10/2023
1100	Molybdenum	EPA 6020B	10156420	Metals	2/10/2023
5245	m-Xylene	EPA 624.1	10298121	Volatile Organics	1/22/2018
5005	Naphthalene	EPA 624.1	10298121	Volatile Organics	1/22/2018
5005	Naphthalene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5005	Naphthalene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5005	Naphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5005	Naphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4425	n-Butyl alcohol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4435	n-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4435	n-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4435	n-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5875	n-Decane	EPA 625.1	10300024	Extractable Organics	1/22/2018
9395	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9431	N-ethylperfluoro-octane sulfonamido ethanol (EtFOSE)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1105	Nickel	EPA 6010C	10155905	Metals	2/10/2023
1105	Nickel	EPA 200.7	10013806	Metals	4/4/2002
1105	Nickel	EPA 200.8	10014605	Metals	12/8/2006
1105	Nickel	EPA 6010D	10155950	Metals	2/10/2023
1105	Nickel	EPA 6020A	10156419	Metals	2/10/2023
1105	Nickel	EPA 6020B	10156420	Metals	2/10/2023
1805	Nitrate	EPA 300.0	10053200	General Chemistry	5/10/2011
1805	Nitrate	EPA 9056A	10199607	General Chemistry	2/10/2023
1835	Nitrite	EPA 300.0	10053200	General Chemistry	5/10/2011
1835	Nitrite	EPA 9056A	10199607	General Chemistry	2/10/2023
5015	Nitrobenzene	EPA 625.1	10300024	Extractable Organics	1/22/2018
5015	Nitrobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8330A	10190008	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8330B	10308006	Extractable Organics	2/10/2023
6485	Nitroglycerin	EPA 8330B	10308006	Extractable Organics	2/10/2023
9433	N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9434	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6525	n-Nitrosodiethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6525	n-Nitrosodiethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6525	n-Nitrosodiethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 625.1	10300024	Extractable Organics	1/22/2018
6530	n-Nitrosodimethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6545	n-Nitrosodi-n-propylamine	EPA 625.1	10300024	Extractable Organics	1/22/2018
6545	n-Nitrosodi-n-propylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6545	n-Nitrosodi-n-propylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6545	n-Nitrosodi-n-propylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 625.1	10300024	Extractable Organics	1/22/2018
6535	n-Nitrosodiphenylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6560	n-Nitrosopiperidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6560	n-Nitrosopiperidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6560	n-Nitrosopiperidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6580	n-Octadecane	EPA 625.1	10300024	Extractable Organics	1/22/2018
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
5055	n-Propanol (1-Propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	Extractable Organics	2/10/2023
9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	EPA 8330B	10308006	Extractable Organics	2/10/2023
1860	Oil & Grease	EPA 1664A	10127807	General Chemistry	4/4/2002
1860	Oil & Grease	EPA 1664B	10261617	General Chemistry	7/12/2019

Laboratory Scope of Accreditation

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E82574
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6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6748	Oil Range Organics (ORO)	AEL SOP SVOC-040 / GC-FID	60001414	Extractable Organics	6/19/2020
1865	Organic nitrogen	TKN minus AMMONIA	60034437	General Chemistry	10/26/2009
1870	Orthophosphate as P	EPA 300.0	10053200	General Chemistry	5/10/2011
1870	Orthophosphate as P	EPA 9056A	10199607	General Chemistry	2/10/2023
5145	o-Toluidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5145	o-Toluidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5145	o-Toluidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5250	o-Xylene	EPA 624.1	10298121	Volatile Organics	1/22/2018
5250	o-Xylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5250	o-Xylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5250	o-Xylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
7955	Parathion, ethyl	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270E	10242543	Extractable Organics	2/10/2023
6590	Pentachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6590	Pentachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6590	Pentachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5035	Pentachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5035	Pentachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5035	Pentachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6605	Pentachlorophenol	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6605	Pentachlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
9558	Pentaerythritoltetranitrate (PETN)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6911	Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6918	Perfluorobutane Sulfonic Acid (PFBS, Perfluorobutane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6919	Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6919	Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9562	Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6920	Perfluorodecane Sulfonic Acid (PFDS, Perfluorodecane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6923	Perfluorododecane Sulfonic Acid (PFDoS, Perfluorododecane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6925	Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
9470	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6927	Perfluorohexane Sulfonic Acid (PFHxS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6929	Perfluorononane Sulfonic Acid (PFNS, Perfluorononane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9464	Perfluorononanesulfonate (PFNS, Perfluorononane sulfonic acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6917	Perfluorooctane sulfonamide (PFOSA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6917	Perfluorooctane sulfonamide (PFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6932	Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6912	Perfluoro-octanoic Acid (PFOA, Perfluoro-octanoate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6934	Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6934	Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6935	Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6935	Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6902	Perfluorotetradecanoic acid (PFTDA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9563	Perfluorotridecanoic acid (PFTrDA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	6/19/2020
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1900	pH	EPA 150.1	10008409	General Chemistry	12/8/2006
1900	pH	EPA 9040C	10244403	General Chemistry	2/10/2023
1900	pH	SM 4500-H+ B-2011	20105220		7/15/2022
6610	Phenacetin	EPA 8270C	10185805	Extractable Organics	2/10/2023
6610	Phenacetin	EPA 8270D	10186035	Extractable Organics	2/10/2023
6610	Phenacetin	EPA 8270E	10242543	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6615	Phenanthrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6625	Phenol	EPA 625.1	10300024	Extractable Organics	1/22/2018
6625	Phenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6625	Phenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6625	Phenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
7985	Phorate	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7985	Phorate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7985	Phorate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7985	Phorate	EPA 8270E	10242543	Extractable Organics	2/10/2023
8000	Phosmet (Imidan)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4910	p-Isopropyltoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4910	p-Isopropyltoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4910	p-Isopropyltoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1125	Potassium	EPA 6010C	10155905	Metals	2/10/2023
1125	Potassium	EPA 200.7	10013806	Metals	4/4/2002
1125	Potassium	EPA 6010D	10155950	Metals	2/10/2023
8035	Prometon	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8035	Prometon	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8035	Prometon	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6650	Pronamide (Kerb)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6650	Pronamide (Kerb)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6650	Pronamide (Kerb)	EPA 8270E	10242543	Extractable Organics	2/10/2023
8060	Propazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8060	Propazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8060	Propazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
5080	Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5080	Propionitrile (Ethyl cyanide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5080	Propionitrile (Ethyl cyanide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6657	Propylene Glycol	EPA 8015C	10173816	Volatile Organics	2/10/2023
5255	p-Xylene	EPA 624.1	10298121	Volatile Organics	1/22/2018
6665	Pyrene	EPA 625.1	10300024	Extractable Organics	1/22/2018
6665	Pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6665	Pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6665	Pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5095	Pyridine	EPA 625.1	10300024	Extractable Organics	1/22/2018
5095	Pyridine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5095	Pyridine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5095	Pyridine	EPA 8270E	10242543	Extractable Organics	2/10/2023
9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	EPA 8330B	10308006	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6751	Residual Range Organics (RRO)	AEL SOP SVOC-040 / GC-FID	60001414	Extractable Organics	6/19/2020
1955	Residue-filterable (TDS)	EPA 160.1	10009208	General Chemistry	4/4/2002
1955	Residue-filterable (TDS)	SM 2540 C-2015	20050435	General Chemistry	7/15/2022
1960	Residue-nonfilterable (TSS)	EPA 160.2	10009606	General Chemistry	4/4/2002
1960	Residue-nonfilterable (TSS)	SM 2540 D-2015	20051223	General Chemistry	7/15/2022
1965	Residue-settleable	EPA 160.5	10010807	General Chemistry	1/21/2005
1965	Residue-settleable	SM 2540 F-2015	20052226	General Chemistry	7/15/2022
1950	Residue-total	EPA 160.3	10010001	General Chemistry	2/13/2003
1950	Residue-total	SM 2540 B-2015	20049438	General Chemistry	7/15/2022
8110	Ronnel	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
6685	Safrole	EPA 8270C	10185805	Extractable Organics	2/10/2023
6685	Safrole	EPA 8270D	10186035	Extractable Organics	2/10/2023
6685	Safrole	EPA 8270E	10242543	Extractable Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1140	Selenium	EPA 6010C	10155905	Metals	2/10/2023
1140	Selenium	EPA 200.7	10013806	Metals	4/4/2002
1140	Selenium	EPA 200.8	10014605	Metals	12/8/2006
1140	Selenium	EPA 6010D	10155950	Metals	2/10/2023
1140	Selenium	EPA 6020A	10156419	Metals	2/10/2023
1140	Selenium	EPA 6020B	10156420	Metals	2/10/2023
1990	Silica as SiO2	EPA 6010C	10155905	Metals	2/10/2023
1990	Silica as SiO2	EPA 200.7	10013806	Metals	1/11/2022
1990	Silica as SiO2	EPA 6010D	10155950	Metals	2/10/2023
1150	Silver	EPA 6010C	10155905	Metals	2/10/2023
1150	Silver	EPA 200.7	10013806	Metals	5/8/2002
1150	Silver	EPA 200.8	10014605	Metals	12/8/2006
1150	Silver	EPA 6010D	10155950	Metals	2/10/2023
1150	Silver	EPA 6020A	10156419	Metals	2/10/2023
1150	Silver	EPA 6020B	10156420	Metals	2/10/2023
8650	Silvex (2,4,5-TP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1155	Sodium	EPA 6010C	10155905	Metals	2/10/2023
1155	Sodium	EPA 200.7	10013806	Metals	4/4/2002
1155	Sodium	EPA 6010D	10155950	Metals	2/10/2023
1160	Strontium	EPA 6010C	10155905	Metals	2/10/2023
1160	Strontium	EPA 200.7	10013806	Metals	1/21/2005
1160	Strontium	EPA 200.8	10014605	Metals	7/12/2019
1160	Strontium	EPA 6010D	10155950	Metals	2/10/2023
1160	Strontium	EPA 6020B	10156420	Metals	2/10/2023
5100	Styrene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5100	Styrene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5100	Styrene	EPA 8260D	10307127	Volatile Organics	2/10/2023
2000	Sulfate	EPA 300.0	10053200	General Chemistry	7/18/2011
2000	Sulfate	EPA 9056A	10199607	General Chemistry	2/10/2023
2005	Sulfide	SM 4500-$S2^{-}$ D-2011	20125864	General Chemistry	7/15/2022
8155	Sulfotepp	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270E	10242543	Extractable Organics	2/10/2023
4370	T-amylmethylether (TAME)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4370	T-amylmethylether (TAME)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4370	T-amylmethylether (TAME)	EPA 8260D	10307127	Volatile Organics	2/10/2023
8195	Terbutryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8195	Terbutryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8195	Terbutryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 624.1	10298121	Volatile Organics	1/22/2018
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5120	Tetrahydrofuran (THF)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1165	Thallium	EPA 6010C	10155905	Metals	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1165	Thallium	EPA 200.7	10013806	Metals	2/13/2003
1165	Thallium	EPA 200.8	10014605	Metals	12/8/2006
1165	Thallium	EPA 6010D	10155950	Metals	2/10/2023
1165	Thallium	EPA 6020A	10156419	Metals	2/10/2023
1165	Thallium	EPA 6020B	10156420	Metals	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270E	10242543	Extractable Organics	2/10/2023
1170	Thorium	EPA 200.8	10014605	Metals	12/8/2006
1175	Tin	EPA 6010C	10155905	Metals	2/10/2023
1175	Tin	EPA 200.7	10013806	Metals	1/21/2005
1175	Tin	EPA 200.8	10014605	Metals	7/12/2019
1175	Tin	EPA 6010D	10155950	Metals	2/10/2023
1175	Tin	EPA 6020A	10156419	Metals	2/10/2023
1175	Tin	EPA 6020B	10156420	Metals	2/10/2023
1180	Titanium	EPA 6010C	10155905	Metals	2/10/2023
1180	Titanium	EPA 200.7	10013806	Metals	1/21/2005
1180	Titanium	EPA 200.8	10014605	Metals	7/12/2019
1180	Titanium	EPA 6010D	10155950	Metals	2/10/2023
1180	Titanium	EPA 6020A	10156419	Metals	2/10/2023
1180	Titanium	EPA 6020B	10156420	Metals	2/10/2023
5140	Toluene	EPA 624.1	10298121	Volatile Organics	1/22/2018
5140	Toluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5140	Toluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5140	Toluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
2500	Total coliforms	SM 9222 B-2015	20208439	Microbiology	7/15/2022
2500	Total coliforms	SM 9223 B (Colilert Quanti-Tray)-2016	20211647	Microbiology	7/15/2022
1813	Total Inorganic Carbon	AEL SOP WC-022, Rev. 11	60001469	General Chemistry	7/2/2022
1825	Total nitrate-nitrite	EPA 300.0	10053200	General Chemistry	5/10/2011
1825	Total nitrate-nitrite	EPA 9056A	10199607	General Chemistry	2/10/2023
1827	Total Nitrogen	TKN + Total Nitrate-Nitrite	60034459	General Chemistry	10/26/2009
2040	Total organic carbon	EPA 415.1	10078407	General Chemistry	5/9/2022
2040	Total organic carbon	SM 5310 C-2014	20138834	General Chemistry	7/15/2022
2045	Total organic halides (TOX)	EPA 9020B	10194408	General Chemistry	2/10/2023
2050	Total Petroleum Hydrocarbons (TPH)	EPA 1664A	10127807	General Chemistry	4/4/2002

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2050	Total Petroleum Hydrocarbons (TPH)	EPA 1664B	10261617	General Chemistry	9/2/2021
2050	Total Petroleum Hydrocarbons (TPH)	FL-PRO	90015808	Extractable Organics	7/1/2003
1940	Total residual chlorine	SM 4500-Cl G-2011	20081623	General Chemistry	7/15/2022
8250	Toxaphene (Chlorinated camphene)	EPA 608.3	10296614	Extractable Organics	1/22/2018
8250	Toxaphene (Chlorinated camphene)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
4700	trans-1,2-Dichloroethylene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4700	trans-1,2-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4700	trans-1,2-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4700	trans-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 624.1	10298121	Volatile Organics	1/22/2018
4685	trans-1,3-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 624.1	10298121	Volatile Organics	1/22/2018
5170	Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 624.1	10298121	Volatile Organics	1/22/2018
5175	Trichlorofluoromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
2055	Turbidity	EPA 180.1	10011800	General Chemistry	2/13/2003
2055	Turbidity	SM 2130 B-2011	20048220	General Chemistry	7/15/2022
1184	Uranium (mass)	EPA 200.8	10014605	Metals	12/8/2006
1184	Uranium (mass)	EPA 6020A	10156419	Metals	2/10/2023
1184	Uranium (mass)	EPA 6020B	10156420	Metals	2/10/2023
1185	Vanadium	EPA 6010C	10155905	Metals	2/10/2023
1185	Vanadium	EPA 200.7	10013806	Metals	4/4/2002
1185	Vanadium	EPA 200.8	10014605	Metals	4/16/2013
1185	Vanadium	EPA 6010D	10155950	Metals	2/10/2023
1185	Vanadium	EPA 6020A	10156419	Metals	2/10/2023
1185	Vanadium	EPA 6020B	10156420	Metals	2/10/2023
5225	Vinyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5225	Vinyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023
5225	Vinyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 624.1	10298121	Volatile Organics	1/22/2018
5235	Vinyl chloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
5260	Xylene (total)	EPA 624.1	10298121	Volatile Organics	1/22/2018
5260	Xylene (total)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5260	Xylene (total)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5260	Xylene (total)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1190	Zinc	EPA 6010C	10155905	Metals	2/10/2023
1190	Zinc	EPA 200.7	10013806	Metals	4/4/2002
1190	Zinc	EPA 200.8	10014605	Metals	12/8/2006
1190	Zinc	EPA 6010D	10155950	Metals	2/10/2023
1190	Zinc	EPA 6020A	10156419	Metals	2/10/2023
1190	Zinc	EPA 6020B	10156420	Metals	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5105	1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5105	1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5105	1,1,1,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5160	1,1,1-Trichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5110	1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5165	1,1,2-Trichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4630	1,1-Dichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4640	1,1-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4670	1,1-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5150	1,2,3-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5180	1,2,3-Trichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5155	1,2,4-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5155	1,2,4-Trichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5210	1,2,4-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4610	1,2-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4635	1,2-Dichloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4655	1,2-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4655	1,2-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4655	1,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6220	1,2-Diphenylhydrazine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5215	1,3,5-Trimethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5215	1,3,5-Trimethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5215	1,3,5-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8330A	10190008	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4615	1,3-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4660	1,3-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4620	1,4-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270C	10185805	Extractable Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270D	10186035	Extractable Organics	2/10/2023
6420	1,4-Naphthoquinone	EPA 8270E	10242543	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6630	1,4-Phenylenediamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
5790	1-Chloronaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5790	1-Chloronaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5790	1-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6380	1-Methylnaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6380	1-Methylnaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6380	1-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6425	1-Naphthylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
4846	2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (N-EtFOSAA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
4846	2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid (N-EtFOSAA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4847	2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (N-MeFOSAA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
4847	2-(N-Methyl-perfluorooctane sulfonamido) acetic acid (N-MeFOSAA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4665	2,2-Dichloropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4665	2,2-Dichloropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4665	2,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
6735	2,3,4,6-Tetrachlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6735	2,3,4,6-Tetrachlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6735	2,3,4,6-Tetrachlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
8655	2,4,5-T	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6835	2,4,5-Trichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6835	2,4,5-Trichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6835	2,4,5-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6840	2,4,6-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
9651	2,4,6-Trinitrotoluene (2,4,6-TNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9651	2,4,6-Trinitrotoluene (2,4,6-TNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
8545	2,4-D	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8560	2,4-DB	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6000	2,4-Dichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6000	2,4-Dichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6000	2,4-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6130	2,4-Dimethylphenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6130	2,4-Dimethylphenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6130	2,4-Dimethylphenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6175	2,4-Dinitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6005	2,6-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8330B	10308006	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5515	2-Acetylaminofluorene	EPA 8270E	10242543	Extractable Organics	2/10/2023
9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9303	2-Amino-4,6-dinitrotoluene (2-am-dnt)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 8260B	10184802	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 8260C	10307003	Volatile Organics	2/10/2023
4500	2-Chloroethyl vinyl ether	EPA 8260D	10307127	Volatile Organics	2/10/2023
5795	2-Chloronaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5795	2-Chloronaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5795	2-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5800	2-Chlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4535	2-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5866	2-Ethoxyethanol (Ethyl Cellusolve)	EPA 8015C	10173816	Volatile Organics	2/10/2023
9340	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9338	2H,2H,3H,3H-Perfluoro-octanoic Acid (5:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
4860	2-Hexanone	EPA 8260B	10184802	Volatile Organics	2/10/2023
4860	2-Hexanone	EPA 8260C	10307003	Volatile Organics	2/10/2023
4860	2-Hexanone	EPA 8260D	10307127	Volatile Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6360	2-Methyl-4,6-dinitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6385	2-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6400	2-Methylphenol (o-Cresol)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6430	2-Naphthylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6460	2-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6490	2-Nitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6490	2-Nitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6490	2-Nitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
5020	2-Nitropropane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5020	2-Nitropropane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5020	2-Nitropropane	EPA 8260D	10307127	Volatile Organics	2/10/2023
9507	2-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9507	2-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270D	10186035	Extractable Organics	2/10/2023
5050	2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	Extractable Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5945	3,3'-Dichlorobenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6100	3,3'-Dimethoxybenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6120	3,3'-Dimethylbenzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6150	3,5-Dinitroaniline	EPA 8330B	10308006	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6355	3-Methylcholanthrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6465	3-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
9510	3-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9510	3-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
9353	4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
7355	4,4'-DDD	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7360	4,4'-DDE	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7365	4,4'-DDT	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9306	4-Amino-2,6-dinitrotoluene (4-am-dnt)	EPA 8330B	10308006	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270C	10185805	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270D	10186035	Extractable Organics	2/10/2023
5540	4-Aminobiphenyl	EPA 8270E	10242543	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5660	4-Bromophenyl phenyl ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5700	4-Chloro-3-methylphenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
5745	4-Chloroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5825	4-Chlorophenyl phenylether	EPA 8270E	10242543	Extractable Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4540	4-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6105	4-Dimethyl aminoazobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6470	4-Nitroaniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
6470	4-Nitroaniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
6470	4-Nitroaniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6500	4-Nitrophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
6510	4-Nitroquinoline 1-oxide	EPA 8270C	10185805	Extractable Organics	2/10/2023

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6510	4-Nitroquinoline 1-oxide	EPA 8270D	10186035	Extractable Organics	2/10/2023
6510	4-Nitroquinoline 1-oxide	EPA 8270E	10242543	Extractable Organics	2/10/2023
9513	4-Nitrotoluene	EPA 8330A	10190008	Extractable Organics	2/10/2023
9513	4-Nitrotoluene	EPA 8330B	10308006	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6570	5-Nitro-o-toluidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6125	a,a-Dimethylphenethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6125	a,a-Dimethylphenethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6125	a,a-Dimethylphenethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5500	Acenaphthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5505	Acenaphthylene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4315	Acetone	EPA 8260B	10184802	Volatile Organics	2/10/2023
4315	Acetone	EPA 8260C	10307003	Volatile Organics	2/10/2023
4315	Acetone	EPA 8260D	10307127	Volatile Organics	2/10/2023
4320	Acetonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023
4320	Acetonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023
4320	Acetonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
5510	Acetophenone	EPA 8270C	10185805	Extractable Organics	2/10/2023
5510	Acetophenone	EPA 8270D	10186035	Extractable Organics	2/10/2023
5510	Acetophenone	EPA 8270E	10242543	Extractable Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4325	Acrolein (Propenal)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4340	Acrylonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023
4340	Acrylonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4340	Acrylonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
7025	Aldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
4355	Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4355	Allyl chloride (3-Chloropropene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4355	Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7240	alpha-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1000	Aluminum	EPA 6010C	10155905	Metals	2/10/2023
1000	Aluminum	EPA 6010D	10155950	Metals	2/10/2023
7035	Ametryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7035	Ametryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7035	Ametryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
5545	Aniline	EPA 8270C	10185805	Extractable Organics	2/10/2023
5545	Aniline	EPA 8270D	10186035	Extractable Organics	2/10/2023
5545	Aniline	EPA 8270E	10242543	Extractable Organics	2/10/2023
5555	Anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5555	Anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5555	Anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
1005	Antimony	EPA 6010C	10155905	Metals	2/10/2023
1005	Antimony	EPA 6010D	10155950	Metals	2/10/2023
1005	Antimony	EPA 6020A	10156419	Metals	2/10/2023
1005	Antimony	EPA 6020B	10156420	Metals	2/10/2023
5560	Aramite	EPA 8270C	10185805	Extractable Organics	2/10/2023
5560	Aramite	EPA 8270D	10186035	Extractable Organics	2/10/2023
5560	Aramite	EPA 8270E	10242543	Extractable Organics	2/10/2023
8880	Aroclor-1016 (PCB-1016)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8885	Aroclor-1221 (PCB-1221)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8890	Aroclor-1232 (PCB-1232)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8895	Aroclor-1242 (PCB-1242)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8900	Aroclor-1248 (PCB-1248)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8905	Aroclor-1254 (PCB-1254)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8910	Aroclor-1260 (PCB-1260)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8912	Aroclor-1262 (PCB-1262)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
8913	Aroclor-1268 (PCB-1268)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	2/10/2023
1010	Arsenic	EPA 6010C	10155905	Metals	2/10/2023
1010	Arsenic	EPA 6010D	10155950	Metals	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1010	Arsenic	EPA 6020A	10156419	Metals	2/10/2023
1010	Arsenic	EPA 6020B	10156420	Metals	2/10/2023
7065	Atrazine	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7065	Atrazine	EPA 8270E	10242543	Extractable Organics	2/10/2023
7075	Azinphos-methyl (Guthion)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1015	Barium	EPA 6010C	10155905	Metals	2/10/2023
1015	Barium	EPA 6010D	10155950	Metals	2/10/2023
1015	Barium	EPA 6020A	10156419	Metals	2/10/2023
1015	Barium	EPA 6020B	10156420	Metals	2/10/2023
5570	Benzaldehyde	EPA 8270C	10185805	Extractable Organics	2/10/2023
5570	Benzaldehyde	EPA 8270D	10186035	Extractable Organics	2/10/2023
5570	Benzaldehyde	EPA 8270E	10242543	Extractable Organics	2/10/2023
4375	Benzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4375	Benzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4375	Benzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5595	Benzidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5595	Benzidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5595	Benzidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5575	Benzo(a)anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5580	Benzo(a)pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5585	Benzo(b)fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5585	Benzo(b)fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5585	Benzo(b)fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5590	Benzo(g,h,i)perylene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5600	Benzo(k)fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5610	Benzoic acid	EPA 8270C	10185805	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5610	Benzoic acid	EPA 8270D	10186035	Extractable Organics	2/10/2023
5610	Benzoic acid	EPA 8270E	10242543	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270C	10185805	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270D	10186035	Extractable Organics	2/10/2023
5630	Benzyl alcohol	EPA 8270E	10242543	Extractable Organics	2/10/2023
1020	Beryllium	EPA 6010C	10155905	Metals	2/10/2023
1020	Beryllium	EPA 6010D	10155950	Metals	2/10/2023
1020	Beryllium	EPA 6020A	10156419	Metals	2/10/2023
1020	Beryllium	EPA 6020B	10156420	Metals	2/10/2023
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270E	10242543	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 8270C	10185805	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 8270D	10186035	Extractable Organics	2/10/2023
5760	bis(2-Chloroethoxy)methane	EPA 8270E	10242543	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 8270C	10185805	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 8270D	10186035	Extractable Organics	2/10/2023
5765	bis(2-Chloroethyl) ether	EPA 8270E	10242543	Extractable Organics	2/10/2023
1025	Boron	EPA 6010C	10155905	Metals	2/10/2023
1025	Boron	EPA 6010D	10155950	Metals	2/10/2023
1540	Bromide	EPA 9056A	10199607	General Chemistry	2/10/2023
4385	Bromobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4385	Bromobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4385	Bromobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4390	Bromochloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4395	Bromodichloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4400	Bromoform	EPA 8260B	10184802	Volatile Organics	2/10/2023
4400	Bromoform	EPA 8260C	10307003	Volatile Organics	2/10/2023
4400	Bromoform	EPA 8260D	10307127	Volatile Organics	2/10/2023
5670	Butyl benzyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
5670	Butyl benzyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5670	Butyl benzyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
1030	Cadmium	EPA 6010C	10155905	Metals	2/10/2023
1030	Cadmium	EPA 6010D	10155950	Metals	2/10/2023
1030	Cadmium	EPA 6020A	10156419	Metals	2/10/2023
1030	Cadmium	EPA 6020B	10156420	Metals	2/10/2023
1035	Calcium	EPA 6010C	10155905	Metals	2/10/2023
1035	Calcium	EPA 6010D	10155950	Metals	2/10/2023
7180	Caprolactam	EPA 8270C	10185805	Extractable Organics	2/10/2023
7180	Caprolactam	EPA 8270D	10186035	Extractable Organics	2/10/2023
7180	Caprolactam	EPA 8270E	10242543	Extractable Organics	2/10/2023
5680	Carbazole	EPA 8270C	10185805	Extractable Organics	2/10/2023
5680	Carbazole	EPA 8270D	10186035	Extractable Organics	2/10/2023
5680	Carbazole	EPA 8270E	10242543	Extractable Organics	2/10/2023
4450	Carbon disulfide	EPA 8260B	10184802	Volatile Organics	2/10/2023
4450	Carbon disulfide	EPA 8260C	10307003	Volatile Organics	2/10/2023
4450	Carbon disulfide	EPA 8260D	10307127	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
4455	Carbon tetrachloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
7250	Chlordane (tech.)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1575	Chloride	EPA 300.0	10053200	General Chemistry	7/12/2019
1575	Chloride	EPA 9056A	10199607	General Chemistry	2/10/2023
4475	Chlorobenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4475	Chlorobenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4475	Chlorobenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
7260	Chlorobenzilate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7260	Chlorobenzilate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7260	Chlorobenzilate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
4485	Chloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4485	Chloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4485	Chloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4505	Chloroform	EPA 8260B	10184802	Volatile Organics	2/10/2023
4505	Chloroform	EPA 8260C	10307003	Volatile Organics	2/10/2023
4505	Chloroform	EPA 8260D	10307127	Volatile Organics	2/10/2023
4525	Chloroprene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4525	Chloroprene	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4525	Chloroprene	EPA 8260D	10307127	Volatile Organics	2/10/2023
7300	Chlorpyrifos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7305	Chlorpyrifos methyl	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1040	Chromium	EPA 6010C	10155905	Metals	2/10/2023
1040	Chromium	EPA 6010D	10155950	Metals	2/10/2023
1040	Chromium	EPA 6020A	10156419	Metals	2/10/2023
1040	Chromium	EPA 6020B	10156420	Metals	2/10/2023
5855	Chrysene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5855	Chrysene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5855	Chrysene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4645	cis-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4680	cis-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4600	cis-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1050	Cobalt	EPA 6010C	10155905	Metals	2/10/2023
1050	Cobalt	EPA 6010D	10155950	Metals	2/10/2023
1050	Cobalt	EPA 6020A	10156419	Metals	2/10/2023
1050	Cobalt	EPA 6020B	10156420	Metals	2/10/2023
1610	Conductivity	EPA 9050A	10198808	General Chemistry	2/10/2023
1055	Copper	EPA 6010C	10155905	Metals	2/10/2023
1055	Copper	EPA 6010D	10155950	Metals	2/10/2023
1055	Copper	EPA 6020A	10156419	Metals	2/10/2023
1055	Copper	EPA 6020B	10156420	Metals	2/10/2023
1625	Corrosivity (pH)	EPA 9040C	10244403	General Chemistry	2/10/2023
4555	Cyclohexane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4555	Cyclohexane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4555	Cyclohexane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4560	Cyclohexanone	EPA 8260D	10307127	Volatile Organics	2/10/2023
8555	Dalapon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7105	delta-BHC	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7390	Demeton	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7395	Demeton-o	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7385	Demeton-s	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270E	10242543	Extractable Organics	2/10/2023
7405	Diallate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7405	Diallate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7405	Diallate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
7410	Diazinon	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5895	Dibenz(a,h)anthracene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5900	Dibenz(a,j)acridine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5900	Dibenz(a,j)acridine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5900	Dibenz(a,j)acridine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270C	10185805	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270D	10186035	Extractable Organics	2/10/2023
5905	Dibenzofuran	EPA 8270E	10242543	Extractable Organics	2/10/2023
4575	Dibromochloromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4575	Dibromochloromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4575	Dibromochloromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4595	Dibromomethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
8595	Dicamba	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
4625	Dichlorodifluoromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4625	Dichlorodifluoromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4625	Dichlorodifluoromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
8605	Dichloroprop (Dichlorprop)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7470	Dieldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
9369	Diesel range organics (DRO)	EPA 8015C	10173816	Extractable Organics	2/10/2023
9369	Diesel range organics (DRO)	MADEP-EPH (MA-EPH)	90017202	Extractable Organics	5/4/2015
4725	Diethyl ether	EPA 8260B	10184802	Volatile Organics	2/10/2023
4725	Diethyl ether	EPA 8260C	10307003	Volatile Organics	2/10/2023
4725	Diethyl ether	EPA 8260D	10307127	Volatile Organics	2/10/2023
6070	Diethyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6070	Diethyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6070	Diethyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
9375	Di-isopropylether (DIPE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7475	Dimethoate	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7475	Dimethoate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6135	Dimethyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6135	Dimethyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6135	Dimethyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
5925	Di-n-butyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6200	Di-n-octyl phthalate	EPA 8270E	10242543	Extractable Organics	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6205	Diphenylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6205	Diphenylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6205	Diphenylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
8625	Disulfoton	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8625	Disulfoton	EPA 8270E	10242543	Extractable Organics	2/10/2023
7510	Endosulfan I	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7515	Endosulfan II	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7520	Endosulfan sulfate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7540	Endrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7530	Endrin aldehyde	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7535	Endrin ketone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6218	EPH Aliphatic C19-C36	MADEP-EPH (MA-EPH)	90017202	Extractable Organics	6/19/2020
6222	EPH Aliphatic C9-C18	MADEP-EPH (MA-EPH)	90017202	Extractable Organics	6/19/2020
6232	EPH Aromatic C11-C22	MADEP-EPH (MA-EPH)	90017202	Extractable Organics	6/19/2020
4750	Ethanol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260B	10184802	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260C	10307003	Volatile Organics	2/10/2023
4750	Ethanol	EPA 8260D	10307127	Volatile Organics	2/10/2023
7565	Ethion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7570	Ethoprop	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4755	Ethyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4755	Ethyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4755	Ethyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4810	Ethyl methacrylate	EPA 8260D	10307127	Volatile Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6260	Ethyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	2/10/2023
4765	Ethylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4765	Ethylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4765	Ethylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4785	Ethylene glycol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4770	Ethyl-t-butylether (ETBE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1720	Extractable organic halides (EOX)	EPA 9023	10195003	General Chemistry	7/1/2018
7580	Famphur	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7580	Famphur	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
2530	Fecal coliforms	SM 9222 D	20209238	Microbiology	5/10/2011
7600	Fensulfothion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
6265	Fluoranthene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6265	Fluoranthene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6265	Fluoranthene	EPA 8270E	10242543	Extractable Organics	2/10/2023

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6270	Fluorene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6270	Fluorene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6270	Fluorene	EPA 8270E	10242543	Extractable Organics	2/10/2023
1730	Fluoride	EPA 300.0	10053200	General Chemistry	7/12/2019
1730	Fluoride	EPA 9056A	10199607	General Chemistry	2/10/2023
7640	Fonophos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7245	gamma-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
9408	Gasoline range organics (GRO)	EPA 8015C	10173816	Volatile Organics	2/10/2023
9408	Gasoline range organics (GRO)	MADEP-VPH (MA-VPH)	90017406	Volatile Organics	5/4/2015
7685	Heptachlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
7690	Heptachlor epoxide	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
6275	Hexachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6275	Hexachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6275	Hexachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270C	10185805	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270D	10186035	Extractable Organics	2/10/2023
4835	Hexachlorobutadiene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6285	Hexachlorocyclopentadiene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 8270C	10185805	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 8270D	10186035	Extractable Organics	2/10/2023
4840	Hexachloroethane	EPA 8270E	10242543	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6295	Hexachloropropene	EPA 8270E	10242543	Extractable Organics	2/10/2023
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1780	Ignitability	EPA 1020	10116800	General Chemistry	6/6/2017
1780	Ignitability	EPA 1030	10117201	General Chemistry	6/6/2017
6315	Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6315	Indeno(1,2,3-cd)pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6315	Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4870	Iodomethane (Methyl iodide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1070	Iron	EPA 6010C	10155905	Metals	2/10/2023
1070	Iron	EPA 6010D	10155950	Metals	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
7725	Isodrin	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7725	Isodrin	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7725	Isodrin	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6320	Isophorone	EPA 8270C	10185805	Extractable Organics	2/10/2023
6320	Isophorone	EPA 8270D	10186035	Extractable Organics	2/10/2023
6320	Isophorone	EPA 8270E	10242543	Extractable Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4895	Isopropyl alcohol (2-Propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4900	Isopropylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
6325	Isosafrole	EPA 8270C	10185805	Extractable Organics	2/10/2023
6325	Isosafrole	EPA 8270D	10186035	Extractable Organics	2/10/2023
6325	Isosafrole	EPA 8270E	10242543	Extractable Organics	2/10/2023
7740	Kepone	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7740	Kepone	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7740	Kepone	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
1075	Lead	EPA 6010C	10155905	Metals	2/10/2023
1075	Lead	EPA 6010D	10155950	Metals	2/10/2023
1075	Lead	EPA 6020A	10156419	Metals	2/10/2023
1075	Lead	EPA 6020B	10156420	Metals	2/10/2023
5240	m+p-Xylenes	EPA 8260B	10184802	Volatile Organics	2/10/2023
5240	m+p-Xylenes	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5240	m+p-Xylenes	EPA 8260D	10307127	Volatile Organics	2/10/2023
1085	Magnesium	EPA 6010C	10155905	Metals	2/10/2023
1085	Magnesium	EPA 6010D	10155950	Metals	2/10/2023
7770	Malathion	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
1090	Manganese	EPA 6010C	10155905	Metals	2/10/2023
1090	Manganese	EPA 6010D	10155950	Metals	2/10/2023
1090	Manganese	EPA 6020A	10156419	Metals	2/10/2023
1090	Manganese	EPA 6020B	10156420	Metals	2/10/2023
7775	MCPA	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
7780	MCPP	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
1095	Mercury	EPA 7471A	10166208	Metals	2/10/2023
1095	Mercury	EPA 7471B	10166457	Metals	2/10/2023
7785	Merphos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4925	Methacrylonitrile	EPA 8260B	10184802	Volatile Organics	2/10/2023
4925	Methacrylonitrile	EPA 8260C	10307003	Volatile Organics	2/10/2023
4925	Methacrylonitrile	EPA 8260D	10307127	Volatile Organics	2/10/2023
4930	Methanol	EPA 8015C	10173816	Volatile Organics	2/10/2023
6345	Methapyrilene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6345	Methapyrilene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6345	Methapyrilene	EPA 8270E	10242543	Extractable Organics	2/10/2023
7810	Methoxychlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
4940	Methyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4940	Methyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4940	Methyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4950	Methyl bromide (Bromomethane)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4960	Methyl chloride (Chloromethane)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260B	10184802	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260C	10307003	Volatile Organics	2/10/2023
4990	Methyl methacrylate	EPA 8260D	10307127	Volatile Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270C	10185805	Extractable Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270D	10186035	Extractable Organics	2/10/2023
6375	Methyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
7825	Methyl parathion (Parathion, methyl)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7825	Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5000	Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	EPA 8330A	10190008	Extractable Organics	2/10/2023
6415	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	EPA 8330B	10308006	Extractable Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260B	10184802	Volatile Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260C	10307003	Volatile Organics	2/10/2023
4965	Methylcyclohexane	EPA 8260D	10307127	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
4975	Methylene chloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
7850	Mevinphos	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7870	Mirex	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1100	Molybdenum	EPA 6010C	10155905	Metals	2/10/2023
1100	Molybdenum	EPA 6010D	10155950	Metals	2/10/2023
1100	Molybdenum	EPA 6020A	10156419	Metals	2/10/2023
1100	Molybdenum	EPA 6020B	10156420	Metals	2/10/2023
5005	Naphthalene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5005	Naphthalene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5005	Naphthalene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5005	Naphthalene	EPA 8270E	10242543	Extractable Organics	2/10/2023
4425	n-Butyl alcohol	EPA 8015C	10173816	Volatile Organics	2/10/2023
4435	n-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4435	n-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4435	n-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
9395	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9431	N-ethylperfluoro-octane sulfonamido ethanol (EtFOSE)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1105	Nickel	EPA 6010C	10155905	Metals	2/10/2023
1105	Nickel	EPA 6010D	10155950	Metals	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1105	Nickel	EPA 6020A	10156419	Metals	2/10/2023
1105	Nickel	EPA 6020B	10156420	Metals	2/10/2023
1805	Nitrate	EPA 9056A	10199607	General Chemistry	2/10/2023
1810	Nitrate as N	EPA 300.0	10053200	General Chemistry	7/12/2019
1835	Nitrite	EPA 9056A	10199607	General Chemistry	2/10/2023
1840	Nitrite as N	EPA 300.0	10053200	General Chemistry	7/12/2019
5015	Nitrobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8330A	10190008	Extractable Organics	2/10/2023
5015	Nitrobenzene	EPA 8330B	10308006	Extractable Organics	2/10/2023
6485	Nitroglycerin	EPA 8330B	10308006	Extractable Organics	2/10/2023
9433	N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9434	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6525	n-Nitrosodiethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6525	n-Nitrosodiethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6525	n-Nitrosodiethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6530	n-Nitrosodimethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5025	n-Nitroso-di-n-butylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6545	n-Nitrosodi-n-propylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6545	n-Nitrosodi-n-propylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6545	n-Nitrosodi-n-propylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6535	n-Nitrosodiphenylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6550	n-Nitrosomethylethylamine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6555	n-Nitrosomorpholine	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6560	n-Nitrosopiperidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6560	n-Nitrosopiperidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6560	n-Nitrosopiperidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
6565	n-Nitrosopyrrolidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
5055	n-Propanol (1-Propanol)	EPA 8015C	10173816	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5090	n-Propylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8290	o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9522	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6748	Oil Range Organics (ORO)	AEL SOP SVOC-040 / GC-FID	60001414	Extractable Organics	6/19/2020
1870	Orthophosphate as P	EPA 300.0	10053200	General Chemistry	7/12/2019
1870	Orthophosphate as P	EPA 9056A	10199607	General Chemistry	2/10/2023
5145	o-Toluidine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5145	o-Toluidine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5145	o-Toluidine	EPA 8270E	10242543	Extractable Organics	2/10/2023
5250	o-Xylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5250	o-Xylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5250	o-Xylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1434	Paint Filter Liquids	EPA 9095B	10245600	General Chemistry	2/10/2023
7955	Parathion, ethyl	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7955	Parathion, ethyl	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6590	Pentachlorobenzene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6590	Pentachlorobenzene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6590	Pentachlorobenzene	EPA 8270E	10242543	Extractable Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5035	Pentachloroethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5035	Pentachloroethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5035	Pentachloroethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270E	10242543	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
6605	Pentachlorophenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6605	Pentachlorophenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
9558	Pentaerythritoltetranitrate (PETN)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6911	Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6918	Perfluorobutane Sulfonic Acid (PFBS, Perfluorobutane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6919	Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6919	Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9562	Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6920	Perfluorodecane Sulfonic Acid (PFDS, Perfluorodecane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6921	Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6923	Perfluorododecane Sulfonic Acid (PFDoS, Perfluorododecane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6924	Perfluorododecanoate (PFDoA, Perfluorododecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6925	Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
9470	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6926	Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6927	Perfluorohexane Sulfonic Acid (PFHxS)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6928	Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6929	Perfluorononane Sulfonic Acid (PFNS, Perfluorononane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9464	Perfluorononanesulfonate (PFNS, Perfluorononane sulfonic acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6930	Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6917	Perfluorooctane sulfonamide (PFOSA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6917	Perfluorooctane sulfonamide (PFOSA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6931	Perfluorooctane sulfonic acid (PFOS, Perfluoro-octane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6932	Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6912	Perfluoro-octanoic Acid (PFOA, Perfluoro-octanoate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6934	Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6934	Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6935	Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6935	Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6902	Perfluorotetradecanoic acid (PFTDA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
9563	Perfluorotridecanoic acid (PFTrDA)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	AEL SOP-041 / LC-MS-MS	60001425	Extractable Organics	11/10/2020

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6944	Perfluoroundecanoate (PFUnDA, Perfluoroundecanoic Acid)	EPA 1633 Draft 3	10123441	Extractable Organics	5/3/2023
1900	pH	EPA 9040C	10244403	General Chemistry	2/10/2023
1900	pH	EPA 9045D	10198455	General Chemistry	2/10/2023
6610	Phenacetin	EPA 8270C	10185805	Extractable Organics	2/10/2023
6610	Phenacetin	EPA 8270D	10186035	Extractable Organics	2/10/2023
6610	Phenacetin	EPA 8270E	10242543	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6615	Phenanthrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
6625	Phenol	EPA 8270C	10185805	Extractable Organics	2/10/2023
6625	Phenol	EPA 8270D	10186035	Extractable Organics	2/10/2023
6625	Phenol	EPA 8270E	10242543	Extractable Organics	2/10/2023
7985	Phorate	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
7985	Phorate	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
7985	Phorate	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
7985	Phorate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
8000	Phosmet (Imidan)	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
4910	p-Isopropyltoluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4910	p-Isopropyltoluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4910	p-Isopropyltoluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1125	Potassium	EPA 6010C	10155905	Metals	2/10/2023
1125	Potassium	EPA 6010D	10155950	Metals	2/10/2023
8035	Prometon	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8035	Prometon	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8035	Prometon	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8040	Prometryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
6650	Pronamide (Kerb)	EPA 8270C	10185805	Extractable Organics	2/10/2023
6650	Pronamide (Kerb)	EPA 8270D	10186035	Extractable Organics	2/10/2023
6650	Pronamide (Kerb)	EPA 8270E	10242543	Extractable Organics	2/10/2023
8060	Propazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8060	Propazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8060	Propazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
5080	Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5080	Propionitrile (Ethyl cyanide)	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

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State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5080	Propionitrile (Ethyl cyanide)	EPA 8260D	10307127	Volatile Organics	2/10/2023
6657	Propylene Glycol	EPA 8015C	10173816	Volatile Organics	2/10/2023
6665	Pyrene	EPA 8270C	10185805	Extractable Organics	2/10/2023
6665	Pyrene	EPA 8270D	10186035	Extractable Organics	2/10/2023
6665	Pyrene	EPA 8270E	10242543	Extractable Organics	2/10/2023
5095	Pyridine	EPA 8270C	10185805	Extractable Organics	2/10/2023
5095	Pyridine	EPA 8270D	10186035	Extractable Organics	2/10/2023
5095	Pyridine	EPA 8270E	10242543	Extractable Organics	2/10/2023
9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	EPA 8330A	10190008	Extractable Organics	2/10/2023
9432	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	EPA 8330B	10308006	Extractable Organics	2/10/2023
6751	Residual Range Organics (RRO)	AEL SOP SVOC-040 / GC-FID	60001414	Extractable Organics	6/19/2020
1950	Residue-total	SM 2540 G	20005203	General Chemistry	4/30/2008
8110	Ronnel	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
6685	Safrole	EPA 8270C	10185805	Extractable Organics	2/10/2023
6685	Safrole	EPA 8270D	10186035	Extractable Organics	2/10/2023
6685	Safrole	EPA 8270E	10242543	Extractable Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4440	sec-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1140	Selenium	EPA 6010C	10155905	Metals	2/10/2023
1140	Selenium	EPA 6010D	10155950	Metals	2/10/2023
1140	Selenium	EPA 6020A	10156419	Metals	2/10/2023
1140	Selenium	EPA 6020B	10156420	Metals	2/10/2023
1150	Silver	EPA 6010C	10155905	Metals	2/10/2023
1150	Silver	EPA 6010D	10155950	Metals	2/10/2023
1150	Silver	EPA 6020A	10156419	Metals	2/10/2023
1150	Silver	EPA 6020B	10156420	Metals	2/10/2023
8650	Silvex (2,4,5-TP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8125	Simazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
1155	Sodium	EPA 6010C	10155905	Metals	2/10/2023
1155	Sodium	EPA 6010D	10155950	Metals	2/10/2023
1160	Strontium	EPA 6010C	10155905	Metals	2/10/2023
1160	Strontium	EPA 6010D	10155950	Metals	2/10/2023

Laboratory Scope of Accreditation

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E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1160	Strontium	EPA 6020A	10156419	Metals	2/10/2023
1160	Strontium	EPA 6020B	10156420	Metals	2/10/2023
5100	Styrene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5100	Styrene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5100	Styrene	EPA 8260D	10307127	Volatile Organics	2/10/2023
2000	Sulfate	EPA 300.0	10053200	General Chemistry	7/12/2019
2000	Sulfate	EPA 9056A	10199607	General Chemistry	2/10/2023
8155	Sulfotepp	EPA 8141B	10182204	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8155	Sulfotepp	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
1460	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	10119003	General Chemistry	4/4/2002
4370	T-amylmethylether (TAME)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4370	T-amylmethylether (TAME)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4370	T-amylmethylether (TAME)	EPA 8260D	10307127	Volatile Organics	2/10/2023
8195	Terbutryn	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8195	Terbutryn	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8195	Terbutryn	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260B	10184802	Volatile Organics	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260C	10307003	Volatile Organics	2/10/2023
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260D	10307127	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4445	tert-Butylbenzene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5120	Tetrahydrofuran (THF)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1165	Thallium	EPA 6010C	10155905	Metals	2/10/2023
1165	Thallium	EPA 6010D	10155950	Metals	2/10/2023
1165	Thallium	EPA 6020A	10156419	Metals	2/10/2023
1165	Thallium	EPA 6020B	10156420	Metals	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270C	10185805	Pesticides-Herbicides-PCB's	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270D	10186035	Pesticides-Herbicides-PCB's	2/10/2023
8235	Thionazin (Zinophos)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	2/10/2023
1175	Tin	EPA 6010C	10155905	Metals	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82574 **EPA Lab Code: FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1175	Tin	EPA 6010D	10155950	Metals	2/10/2023
1175	Tin	EPA 6020A	10156419	Metals	2/10/2023
1175	Tin	EPA 6020B	10156420	Metals	2/10/2023
1180	Titanium	EPA 6010C	10155905	Metals	2/10/2023
1180	Titanium	EPA 6010D	10155950	Metals	2/10/2023
1180	Titanium	EPA 6020B	10156420	Metals	2/10/2023
5140	Toluene	EPA 8260B	10184802	Volatile Organics	2/10/2023
5140	Toluene	EPA 8260C	10307003	Volatile Organics	2/10/2023
5140	Toluene	EPA 8260D	10307127	Volatile Organics	2/10/2023
1825	Total nitrate-nitrite	EPA 300.0	10053200	General Chemistry	7/12/2019
1825	Total nitrate-nitrite	EPA 9056A	10199607	General Chemistry	2/10/2023
2040	Total organic carbon	EPA 9060A	10244823	General Chemistry	2/10/2023
2050	Total Petroleum Hydrocarbons (TPH)	FL-PRO	90015808	Extractable Organics	4/17/2002
8250	Toxaphene (Chlorinated camphene)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	2/10/2023
1466	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	10118806	General Chemistry	4/4/2002
4700	trans-1,2-Dichloroethylene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4700	trans-1,2-Dichloroethylene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4700	trans-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4685	trans-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260C	10307003	Volatile Organics	2/10/2023
4605	trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5170	Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 8260B	10184802	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 8260C	10307003	Volatile Organics	2/10/2023
5175	Trichlorofluoromethane	EPA 8260D	10307127	Volatile Organics	2/10/2023
1185	Vanadium	EPA 6010C	10155905	Metals	2/10/2023
1185	Vanadium	EPA 6010D	10155950	Metals	2/10/2023
1185	Vanadium	EPA 6020A	10156419	Metals	2/10/2023
1185	Vanadium	EPA 6020B	10156420	Metals	2/10/2023
5225	Vinyl acetate	EPA 8260B	10184802	Volatile Organics	2/10/2023
5225	Vinyl acetate	EPA 8260C	10307003	Volatile Organics	2/10/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-86, expiration date June 30, 2024. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E82574** **EPA Lab Code:** **FL00949** **(904) 363-9350**

E82574
Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5225	Vinyl acetate	EPA 8260D	10307127	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 8260B	10184802	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 8260C	10307003	Volatile Organics	2/10/2023
5235	Vinyl chloride	EPA 8260D	10307127	Volatile Organics	2/10/2023
5304	VPH Aliphatic C5-C8	MADEP-VPH (MA-VPH)	90017406	Volatile Organics	6/19/2020
5306	VPH Aliphatic C9-C12	MADEP-VPH (MA-VPH)	90017406	Volatile Organics	6/19/2020
5311	VPH Aromatic C9-C10	MADEP-VPH (MA-VPH)	90017406	Volatile Organics	6/19/2020
5260	Xylene (total)	EPA 8260B	10184802	Volatile Organics	2/10/2023
5260	Xylene (total)	EPA 8260C	10307003	Volatile Organics	2/10/2023
5260	Xylene (total)	EPA 8260D	10307127	Volatile Organics	2/10/2023
1190	Zinc	EPA 6010C	10155905	Metals	2/10/2023
1190	Zinc	EPA 6010D	10155950	Metals	2/10/2023
1190	Zinc	EPA 6020A	10156419	Metals	2/10/2023
1190	Zinc	EPA 6020B	10156420	Metals	2/10/2023