CITY OF MIRAMAR
PROPOSED CITY COMMISSION AGENDA ITEM

Meeting Date: July 9, 2025

Presenter's Name and Title: David Herring, Utilities Water Quality Control Manager, on behalf of the Utilities Department

Prepared By: Shelanda Krekreghe, Senior Water Quality Lab Manager

Temp. Reso. Number: 8448

Item Description: Temp. Reso. #R8448 APPROVING THE PURCHASE OF CONTRACTED LABORATORY TESTING SERVICES IN AN AMOUNT OF $50,000 FROM ADVANCED ENVIRONMENTAL LABORATORIES FOR A TOTAL EXPENDITURE OF $124,999 FOR FISCAL YEAR 2025. (Utilities Water Quality Control Manager Procurement Director Alicia Ayum)

Consent ☒ Resolution ☐ Ordinance ☐ Quasi-Judicial ☐ Public Hearing ☐

Instructions for the Office of the City Clerk: N/A

Public Notice – As required by the Sec. ____ of the City Code and/or Sec. ___, Florida Statutes, public notice for this item was provided as follows: on _____ in a _____ ad in the _____; by the posting the property on _____ and/or by sending mailed notice to property owners within ____ feet of the property on _____ (fill in all that apply)

Special Voting Requirement – As required by Sec. _____, of the City Code and/or Sec. ____, Florida Statutes, approval of this item requires a _____ (unanimous, 4/5ths etc.) vote by the City Commission.

Fiscal Impact: Yes ☒ No ☐

REMARKS: Funding of $50,000 is available in Utilities Account, 410-55-563-533-000-606400, Entitled "Machinery and Equipment."

Content:

- **Agenda Item Memo from the City Manager to City Commission**
- **Resolution TR8448**
- **Attachment(s)**
  - **Attachment 1:** Piggyback contract, RFP No. 05-2122 Environmental Sampling and Analytical Laboratory Services for the City of Jacksonville Beach, Florida

CITY OF MIRAMAR
INTEROFFICE MEMORANDUM

TO: Mayor, Vice Mayor, & City Commissioners

FROM: Dr. Roy L. Virgin, City Manager

BY: Francois Domond, Director of Utilities

DATE: July 2, 2025

RE: Temp. Reso. No. 8448 Purchase of Contracted Laboratory Testing Services from Advanced Environmental Laboratories, Inc.

RECOMMENDATION: The City Manager recommends approval of the purchase of contracted laboratory testing services in an amount of $50,000 from Advanced Environmental Laboratories, Inc., for a total expenditure of $124,999 for the Fiscal Year 2025.

ISSUE: City Commission approval is required for expenditures exceeding $75,000 in accordance with City Code Section 2-412(a)(1).

BACKGROUND: The Dr. Roy L. Virgin West Water Treatment Lab (E56565) is a National Environmental Laboratory Accreditation Conference (NELAC), and Florida Department of Health (FDOH) certified environmental laboratory. The laboratory currently holds 85 fields of accreditation (certifications) in microbiology and chemistry, and is certified to analyze drinking water, domestic wastewater, and solid and chemical materials. The laboratory analyzes over 20,000 samples per year. However, the City also utilizes the services of Advanced Environmental Laboratories, Inc. to provide contracted laboratory testing for analyses outside of the City's scope of accreditation.

DISCUSSION: The Environmental Protection Agency (EPA) requires certified testing for drinking water to ensure compliance with the Safe Drinking Water Act (SDWA) and protect public health by regulating contaminants. This includes setting legally enforceable standards, called Primary Drinking Water Regulations, that limit the levels of certain contaminants in water. The EPA also requires that labs become certified to analyze drinking water samples, ensuring the accuracy and reliability of testing results.

The City is currently piggybacking on the RFP No. 05-2122 Environmental Sampling and Analytical Laboratory Services from the City of Jacksonville Beach, Florida to provide contract laboratory testing services. The current pricing structure and analytical offerings provide the certified environmental testing needed to maintain regulatory compliance.

The City would like to purchase additional laboratory testing services in the amount of $50,000 from Advanced Environmental Laboratories, Inc. The total expenditure for this vendor will be $124,999 for Fiscal Year 2025. The detailed breakdown for the purchases including the proposed are listed in Table 1 below.

Table 1. Purchases from the vendor (Advanced Environmental Laboratories, Inc.)

Date	PO #	Amount
10/29/2024	250339	$74,999
	Total for FY25	**$74,999**
Proposed New Purchase		50,000
New Total for FY25		**$124,999**

ANALYSIS: The purchase is critical to the operations, as it provides laboratory testing to ensure the City's water and wastewater systems continue to meet the regulatory requirements.

Temp. Reso. No. 8448
5/27/25
6/25/25

CITY OF MIRAMAR
MIRAMAR, FLORIDA

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA, APPROVING THE PURCHASE OF CONTRACTED LABORATORY TESTING SERVICES IN THE AMOUNT OF $50,000 FROM ADVANCED ENVIRONMENTAL LABORATORIES, INC., FOR A TOTAL EXPENDITURE OF $124,999 FOR THE FISCAL YEAR 2025; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Dr. Roy L. Virgin West Water Treatment Lab (E56565) is a National Environmental Laboratory Accreditation Conference (NELAC) and Florida Department of Health (FDOH) certified environmental laboratory, which currently holds 85 fields of accreditation (certifications) in microbiology and chemistry, and is certified to analyze drinking water, domestic wastewater, and solid and chemical materials, and analyzes over 20,000 samples per year; and,

WHEREAS, the City would like to purchase additional laboratory testing services in an amount of $50,000 from Advanced Environmental Laboratories, bringing the total expenditure for this vendor for Fiscal Year 2025 to $124,999; and

WHEREAS, Section 2-412(a)(1) of the City Code provides that all commodities or services provided by a single vendor in excess of $75,000 must be formally approved by the City Commission; and

WHEREAS, the City Manager recommends that the City Commission approve the purchase of additional contract laboratory testing services from Advanced Environmental Laboratories Inc. for a total expenditure of $124,999 for the Fiscal Year 2025; and

WHEREAS, the City Commission deems it to be in the best interest of the citizens

and residents, of the City of Miramar, to approve the purchase of additional laboratory testing services in an amount of $50,000 from Advanced Environmental Laboratories Inc. for a total expenditure of $124,999 for the Fiscal Year 2025; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF MIRAMAR, FLORIDA AS FOLLOWS:

Section 1: That the foregoing "WHEREAS" clauses are ratified and confirmed as being true and correct and are made a specific part of this Resolution.

Section 2: The City Commission approves the purchase of additional contract laboratory testing services in an amount of $50,000 from Advanced Environmental Laboratories for a total expenditure of $124,999 for the Fiscal Year 2025.

Section 3: That the appropriate City officials are authorized to do all things necessary and expedient to carry out the aims of this Resolution.

Section 4: That this Resolution shall become effective upon adoption.

PASSED AND ADOPTED this _____ day of _____, _____.

_____
Mayor, Wayne M. Messam

_____
Vice Mayor, Yvette Colbourne

ATTEST:

_____
City Clerk, Denise A. Gibbs

I HEREBY CERTIFY that I have approved
this RESOLUTION as to form:

_____
City Attorney,
Austin Pamies Norris Weeks Powell, PLLC

Requested by Administration	**Voted**
Commissioner Maxwell B. Chambers	_____
Commissioner Avril Cherasard	_____
Vice Mayor Yvette Colbourne	_____
Commissioner Carson Edwards	_____
Mayor Wayne M. Messam	_____

CONTRACT AGREEMENT for Bid No. 05-2122 TITLE: Environmental Sampling and Analytical Laboratory Services

City of Jacksonville Beach, Public Works Dept.
Effective Date: 04/18/2022 Term: 5 years End Date: 04/18/2027

CONTRACT AGREEMENT

THIS AGREEMENT made and entered into this 05 day of May, 2022 by and between the CITY OF JACKSONVILLE BEACH, FLORIDA, a municipality organized and existing under the laws of the State of Florida, hereinafter called the CITY, and Advanced Environmental Laboratories, Inc., hereinafter called CONTRACTOR:

WITNESSETH:

CITY and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1: Scope of Services

CONTRACTOR shall complete all work as specified or indicated in the Contract Documents. The Work is generally described as follows:

RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES for THE CITY OF JACKSONVILLE BEACH, FLORIDA,

for a period of five (5) years from the effective date of this agreement.

All services shall be performed in accordance with the Specifications prepared by the City of Jacksonville Beach, Beaches Energy Services, and the proposed services will be awarded as one (l) Contract. Services shall be for all materials, equipment and services, including labor to perform Marketing Services, of which the requirements and scope of services is detailed in:

Attachment "A": RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES

Article 2: CITY'S Responsibility

Access to Work Area: The CITY shall provide the CONTRACTOR access to all areas in which services are to be performed.

Article 3: Terms of Agreement

This Agreement shall be effective from the date of, **April 18, 2022.** And will continue in effect through five (5) years ending on **April 18, 2027**.

Article 4: Nonexclusive Contract

Nothing herein is intended nor shall be construed as creating any exclusive arrangement with the CONTRACTOR. This Contract shall not restrict the CITY from acquiring similar, equal or like goods and/or services from other entities or sources.

Article 5: Payment To Contractor

The CONTRACTOR agrees to provide services as described in the CONTRACT DOCUMENTS and comply with the terms therein.

5.1 For Basic Services: CITY shall pay CONTRACTOR for Contractual Services performed or furnished under the

RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES (Attachment **"A"),**

As set forth in the Contractor's Proposal Packet (Attachment "B") submitted by the Contractor in response to: RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES and associated PROPOSAL TENDER FORM.

5.2 For Additional Services: Notwithstanding the scope of work enumerated in

Attachment "A": RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES

the CONTRACTOR will, upon written request from the CITY, provide any and all other services normally falling within the services offered by the CONTRACTOR. In advance of performance of additional services, CITY and CONTRACTOR shall agree in writing to the additional services and negotiated price, consistent with the type of services requested.

5.3 Invoices.

A. Preparation of Invoices: Invoices will be prepared in accordance with CONTRACTOR'S standard invoicing practices and will be submitted to the CITY by CONTRACTOR, unless otherwise agreed. The amount billed in each invoice will be calculated as set forth herein. Invoices are to be issued by the 10th of the month for services rendered in the previous month.

B. Payment of Invoices: Invoices are due and payable within 30 days of receipt.

C. Disputed Invoices: In the event of a disputed or contested invoice, only that portion so contested

may be withheld from payment, and the undisputed portion will be paid.

5.4 Payment Upon Termination: In the event of termination, CONTRACTOR will be entitled to be paid for all services performed or furnished through the effective date of termination.

5.5 Records of CONTRACTOR'S cost: Records of CONTRACTOR'S cost pertinent to CONTRACTOR'S compensation under this Agreement shall be kept in accordance with generally accepted accounting practices. Upon the CITY'S request, copies of such records will be made available by the CONTRACTOR to the CITY, at no cost to the CITY.

Article 6: Standards of Performance

CONTRACTOR and CITY shall comply with applicable Laws, Regulations, and CITY mandated standards. This Agreement is based on these requirements as of its Effective Date and includes the attached:

Attachment "A": RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES

Changes to these requirements after the Effective Date may be the basis for modifications to CONTRACTOR'S scope of work, times of performance, or compensation.

Article 7: Contractor as Independent Contractor

It is expressly agreed and understood that the CONTRACTOR is in all respects, an independent contractor as to the WORK and is in no respect an agent, servant, or employee of the CITY. This Agreement specifies the WORK to be done by the CONTRACTOR, but the method to be employed to accomplish the WORK shall be the responsibility of the CONTRACTOR.

Article 8: Subcontracting

CONTRACTOR may subcontract services to be performed hereunder with prior approval of the CITY. No such approval will be construed as making the CITY a party of or to such subcontract, or subjecting the CITY to liability of any kind to any subcontract. No subcontract shall, under any circumstances, relieve the CONTRACTOR of its liability and obligation under this Agreement; and despite any such subcontracting, the CITY shall deal through the CONTRACTOR, and subcontractors will be dealt with as workers and representatives of the CONTRACTOR.

Article 9: Authorized Project Representatives

Upon the execution of this Agreement, CONTRACTOR and CITY shall designate specific individuals to act as representatives with respect to the services to be performed or furnished by CONTRACTOR and responsibilities of CITY under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the WORK on behalf of each respective party.

Article 10: Inspection of Work

The CONTRACTOR shall furnish the CITY or the CITY'S representative with every reasonable opportunity for determining whether or not the WORK is performed in accordance with the requirements of this Agreement. The CITY may appoint persons to inspect the CONTRACTOR'S operations, equipment, and performance, and the CONTRACTOR shall permit these persons to make such inspections.

Article 11: Right To Require Performance

The failure of either the CITY or CONTRACTOR at any time to require performance by the other party of any provisions hereof shall in no way affect the right of the performing party thereafter to enforce the same. Nor shall waiver by such party of any breach of any provision hereof be taken or held to be a waiver of any succeeding breach of such provision or as a waiver of any provision itself.

Article 12: Extraordinary Occurrences

It is agreed that in no event shall the CITY or CONTRACTOR be liable or responsible to each other or to other persons for damages resulting from deficiencies or delays in the work herein provided for, where such deficiencies or delays result from Acts of God, fire, natural disaster, or any other cause not within reasonable control of the CITY or the CONTRACTOR. The CONTRACTOR recognizes the essential nature of the services to be performed hereunder and will use its best efforts to discharge its functions despite such extraordinary occurrences.

Article 13: Insurance

13.1 Hold Harmless: The CITY shall be held harmless against all claims for bodily injury, disease, death, personal injury, and damage to property or loss of use resulting there from, to the extent caused by the CONTRACTOR, unless such claims are a result of the CITY'S sole negligence.

13.2 Payment on Behalf of the CITY: The CONTRACTOR agrees to pay on behalf of the CITY, the CITY'S legal defense, for all claims described herein. Such payment on behalf of the CITY shall be in addition to all other legal remedies available to the CITY and shall not be considered to be the CITY's exclusive remedy.

13.3 Loss Control/Safety: Precaution shall be exercised at all times by the CONTRACTOR for the protection of all persons, employees, and property. The CONTRACTOR shall comply with all laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action where loss control and safety measures should reasonably be expected.

13.4 Proof of Carriage of Insurance & Naming CITY as Additional Insured. The CONTRACTOR shall furnish the City with satisfactory proof of carriage of insurance required herein. The CONTRACTOR shall name the City of Jacksonville Beach (CITY) as additional insured on the CONTRACTOR's, and any sub-consultant or subcontractor's Public Liability, Property Damage and Comprehensive Automobile Liability Insurance Policies. The additional insured shall be provided the same coverage as the primary insured for losses arising from work performed by the CONTRACTOR or its sub consultant’s or subcontractor's. The proof of carriage or a copy of all policies shall be required prior to commencement of any work under this Contract.

The CITY may order work to be stopped if conditions exist that present immediate danger to persons or property. The CONTRACTOR acknowledges that such stoppage will not shift responsibility for any damages from the CONTRACTOR to the cry.

13.5 Insurance Requirements. Basic Coverage's required: During the term of this contract, the CONTRACTOR shall procure and maintain the following-described insurance and/or self-insurance except for coverage's specifically waived by the CITY. All policies and insurers must be acceptable to the CITY.

These insurance requirements shall not limit the liability of the CONTRACTOR. The CITY does not represent these types of amounts of insurance to be sufficient or adequate to protect the CONTRACTOR'S interests or liabilities, but are merely minimums.

A. Workers Compensation Coverage is required.

The CONTRACTOR and all subcontractors shall purchase and maintain worker's compensation insurance for all workers compensation obligations imposed by state law with employers' liability limits of at least $ 100,000 each accident, $ 100,000 each employee and $500,000 policy limit for disease.

The CONTRACTOR and all subcontractors shall also purchase any other coverage's required by law for the benefit of employees.

B. General Liability Coverage is required for all Contractors and Subcontractors.

Commercial General Liability in Occurrence Form.

Coverage A shall include Bodily Injury and Property Damage coverage for liability. claims arising from premises, operations, contractual liability, independent Contractors, products and complete operations and including but not limited to coverage for claims resulting from explosion, collapse, or underground (x,c,u) exposures (if any).

Coverage B shall include personal injury and is required

Coverage C, medical payments **is not required**.

Amounts:	$1,000,000 $1,000,000	Bodily Injury: each occurrence aggregate
Property	$1,000,000 $1,000,000	Damage:each occurrence aggregate

C. Products and Completed Operations are required for Contractor and all Subcontractors.

Amounts: $ 1,000,000 aggregate

D. Business Auto Liability Coverage is required for Contractor and all Subcontractors.

Business Auto Liability coverage is to include bodily injury and property damage arising out of ownership, maintenance, or use of any vehicle, including owned, non-owned and hired vehicles, and employee non-ownership use.

Amounts:	Bodily Injury:	$1,000,000	each occurrence
		$1,000,000	aggregate
	Property Damage:	$1,000,000	each occurrence
		$1,000,000	aggregate

D. Professional Liability is not required.

E. Pollution Liability required of all Contractors and Subcontractors.

The CITY requires Pollution/Environmental Liability insurance covering cleanup costs including on-site discovery and third party liability, on-site and off-site third party pollution liability coverage, natural resources damage coverage.

Limits of Liability: $1,000,000 each pollution event limit

$1,000,000 aggregate policy limit

F. Excess or Umbrella Liability Coverage.

Umbrella Liability insurance is preferred, but an Excess Liability equivalent may be allowed. Whichever type of coverage is provided, it shall not be more restrictive than the underlying insurance policy coverage.

F. Claims Made Coverage No Gap

If any of the required liability insurance is provided on a "claims made" form, such coverage shall extend for a period of not less than 36 months following completion of the contract. In the event of termination of a claims made policy, extended coverage may be provided by assurance that extended discovery coverage of at least 36 months will be purchased from the expiring insurer, or by assurance that the succeeding insurer will provide retroactive coverage with an inception date of at least on or before the effective date of this contract.

G. Certificates of Insurance

Required insurance shall be documented in Certificates of Insurance which provide that the CITY shall be notified at least thirty (30) calendar days in advance of cancellation, non-renewal, or adverse change.

New Certificates of Insurance are to be provided to the CITY at least fifteen (15) calendar days prior to coverage renewals.

If requested by the CITY, the CONTRACTOR shall furnish complete copies of the CONTRACTOR's insurance policies, forms, and endorsements.

For Commercial General Liability coverage, the CONTRACTOR shall at the option of the CITY, provide an indication of the amount of claims, payments, or reserves chargeable to the aggregate amount of liability coverage. NQIE: Any sub-contractors approved by the CITY shall be required to provide proof of insurance identical in amounts as required by the contact to perform related services. All coverage's shall name the CITY as "additional insured".

Receipt of certificates or other documents of insurance or policies or copies of policies by the CITY, or by any of its representatives, which indicate less coverage than required will not constitute a waiver of the CONTRACTOR's obligation to fulfill the insurance requirements herein.

Article 14: Termination

The obligation to provide further services under this Agreement may be terminated:

14.1 For cause. By either the CITY or CONTRACTOR upon 30 days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.

14.2 For convenience. By the CITY, effective upon the receipt of notice by CONTRACTOR. The CITY'S performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the City Council.

Article 15: Indemnification

A: General Indemnity. To the fullest extent permitted by law, CONTRACTOR shall hold harmless, indemnify and pay on behalf of the CITY, CITY's officers, directors, partners, agents, contractors, and employees from and against any and all costs, losses, and damages, including claims for bodily injury, disease, death, personal injury and damage to property or loss of use resulting therefrom, and for professional liability, (including, but not limited to all fees and charges of contractors, architects, attorneys, and other professionals, and all court, arbitration, or other resolution costs) caused by the negligent acts or omissions of CONTRACTOR or CONTRACTOR's officers, directors, partners, agents, contractors, employees, and CONTRACTOR's consultants, agents, and contractors in the performance and furnishing of CONTRACTOR's services under this Agreement, unless such claims are a result of the CITY's sole negligence. Such payments on behalf of the CITY shall be in addition to all other legal remedies available to the CITY and shall not be considered to be the CITY's exclusive remedy.

B: Copyright and Intellectual Property Rights. At CONTRACTOR's expense as described herein, CONTRACTOR shall indemnify, defend and hold CITY and its affiliates and their respective directors, officers, employees, and contractors and agents harmless from and against any claims that any of the professional services allegedly infringe a patent, copyright, trademark, trade secrets or other intellectual property right by defending against such claim and paying all amounts that a court awards or that CONTRACTOR agrees to in settlement of such claim. CONTRACTOR shall also reimburse the CITY for all reasonable expenses incurred by the CITY in respect of each claim. To qualify for such defense and payment, CITY must: (i) give CONTRACTOR prompt written notice of such claim; and

(ii) allow CONTRACTOR to control, and fully co-operate with CITY in the defense and all related negotiations. CONTRACTOR's obligation under this Section in conditional upon CITY's agreement that, if the professional services become, or in CONTRACTOR's opinion (as stated in writing to CITY by CONTRACTOR) is likely to become the subject of an infringement claim, then CITY shall permit CONTRACTOR, at CONTRACTOR's expense, either to procure the right for CITY to continue to use such intellectual property contained in the professional services or to replace or modify it so that it becomes non-infringing and retains in all material respects comparable functionality in the CITY's environment. CONTRACTOR shall have no obligation with respect to any claim to the extent it is based on (i) CITY's use of the intellectual property contained in the professional services in violation of this Agreement; (ii) modifications or user controlled features not authorized by CONTRACTOR; (iii) custom programming for which CONTRACTOR does not develop the specifications or where the code at issue is supplied by CITY. This subsection states CONTRACTOR's entire obligation regarding intellectual property right infringement.

Article 16: Notices

Any notice required under this Agreement will be in writing, addressed to the appropriate party at its address on the signature page and given personally, or by registered or certified mail postage prepaid, or by a commercial courier service. All notices shall be effective upon date of receipt.

Article 17: Survival

All express representations, indemnifications, or limitations of liability included in this Agreement will survive its completion or termination for any reason.

Article 18: Severability

Any provision or part of the agreement held to be void or unenforceable under any Laws or Regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the CITY and CONTRACTOR, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

Article 19: Waiver

Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

Article 20: Headings

The headings used in this Agreement are for general reference only and do not have special significance.

Article 21 : Contract Documents

The Contract Documents which comprise the entire Agreement between the CITY and CONTRACTOR consist of the following, which are made a part thereof:

21.1 Contract Agreement (pages I to 14, inclusive).

21.2 Attachment RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES in total.

21.3 Addendum numbers 1 through 3 inclusive to RFP No. 05-2122.

21.4 Attachment "B": Bid Proposal Packet submitted by Contractor in response to Attachment "A", RFP No. 05-2122 ENVIRONMENTAL SAMPLING AND ANALYTICAL LABORATORY SERVICES, including, but not limited to:

A. Contractor's PROPOSAL TENDER FORM

B. Contractor's DRUG-FREE WORKPLACE COIOLIANCE FORM

c. Contractor's NON-COLLUSION STATEMENT

21.5 Attachment "C": RFP No. 05-2122 Council Approved Memo

There are no Contract Documents other than those listed above in this Article 21. The Contract Documents may only be altered, amended, or repealed in accordance with the Terms and Conditions.

Article 22: Governing Law

This agreement shall be governed by the laws of the State of Florida. Both parties agree that the courts of the State of Florida shall have jurisdiction of any claim arising in connection with this agreement. In the event of litigation arising out of this agreement, the prevailing party shall be entitled to the award of attorney's fees and costs at both the trial and appellate level.

Article 23: Materials and Services

The professional fees for the CONTRACTOR's services are set forth on the "Fee Schedule" as contained in the CONTRACTOR's submitted proposal and made part hereof.

Article 24: General Terms

The Contractor shall hold harmless and defend the City, its officers, agents, and employees from and against all losses and all claims, demands, payments, suits, actions, recoveries, and judgments of every nature and description and all costs, including attorney fees, arising under this Agreement, including claims for property damage and claims for injury to or death of persons arising out of or occurring as a result of any act or omission of the City, its officers, agents, or employees in the performance of its obligation to the City, other than claims arising from the intentional or negligent acts or omissions of the City, its officers, agents, or employees.

The Contractor without exception shall indemnify and hold harmless the City, its officers, agents, and employees from liability of any nature or kind, including costs and expenses for, or on account of, any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of this Agreement, including use by the City.

The City is a government agency, therefore, the City is exempt from any sales tax. The City, however, agrees to reimburse the Contractor for any other taxes, duties, or other fees that the Contractor may be required to pay when performing services or producing material on behalf of the City.

It is agreed that all materials and information furnished to the Contractor by the City or to the City by the Contractor shall remain confidential, except to the extent that such materials and information have become a matter of public record, and such materials and information shall not be divulged except as required under this Agreement or by the Laws of the State of Florida.

Article 25. Public Records Law Chapter 119 Florida Statutes

The Parties acknowledge that the CITY is a governmental entity subject to the Florida Public Records Law, as governed by Chapter 119, Florida Statutes. In accordance with Section 119.0701, Florida Statutes, the following provisions are included in this contract:

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT THE CITY OF JACKSONVILLE BEACH, CITY CLERK'S OFFICE:
TELEPHONE NUMBER: 904-247-6250 EXT # 11
EMAIL ADDRESS: CITYCLERK@JAXBCHFL.NET
MAILING ADDRESS: 11 NORTH THIRD STREET
JACKSONVILLE BEACH, FL 32250

The CONTRACTOR must keep and maintain public records required by the CITY to perform the service. The CONTRACTOR acknowledges that upon request from the CITY, the CONTRACTOR must provide the CITY with a copy of the requested records or allow the record to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law. The CONTRACTOR must ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if

The CONTRACTOR does not transfer the records to the CITY. Upon completion of the contract, The CONTRACTOR shall transfer, at no cost to the CITY, all public records in their possession OR keep and maintain all public records required by the CITY to perform the service contemplated herein. If The CONTRACTOR transfers all public records to the CITY upon completion of the contract, The CONTRACTOR shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If The CONTRACTOR keeps and maintains the public records upon completion of the contract, The CONTRACTOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the CITY, upon

request from the CITY, in a format that is compatible with the CITY's information technology systems.

The CONTRACTOR acknowledges that a request to inspect or copy public records relating to a CITY's contract for services must be made directly to the CITY. If the CITY does not possess the requested records, the CITY shall immediately notify The CONTRACTOR of the request, and The CONTRACTOR must provide the records to the CITY or allow the records to be inspected or copied within a reasonable time. If The CONTRACTOR fails to provide the public records to the CITY within a reasonable time it may be subject to penalties under s. 119.10, Florida Statutes. The CONTRACTOR acknowledges its potential liability pursuant to Section 119.0701 (4), Florida Statutes, if the CITY has to seek legal action to compel The CONTRACTOR to produce public records relating to a CITY's contract for services.

NOTHING ELSE FOLLOWS ON THIS PAGE

CONTRACT AGREEMENT for Bid No. 05-2122 TITLE: Environmental Sampling and Analytical Laboratory Services

City of Jacksonville Beach, Public Works Dept.
Effective Date: 04/18/2022 Term: 5 years End Date: 04/18/2027

IN WITNESS WHEREOF, the parties hereto have signed this Agreement in triplicate. One counterpart each has been delivered to CITY and CONTRACTOR. All portions of the Contract Document have been signed or identified by CITY and CONTRACTOR on their behalf.

This agreement was made and entered into as of the last signature date shown below and has Effective Date of 04/18/2022 (Article 3).

Approved as to form and legal sufficiency:

City Attorney

CITY: CITY OF JACKSONVILLE BEACH, FLORIDA

BY: _____
Christine Hoffman, Mayor

BY: _____
Michael Staffopoulos, City Manager

ATTEST: _____ Date Signed: 05/06/2022
Sheri Gosselin, City Clerk

CONTRACTOR: Advanced Environmental Laboratories Inc.

BY: _____

PRINTED NAME: Charles Gee

TITLE: President

(CORPORATE SEAL)

ATTEST: _____ Date Signed: 5.6.2022

PRINTED NAME: Stacie Weber

CONTRACT AGREEMENT for Bid No. 05-2122

TITLE: Environmental Sampling and Analytical Laboratory Services

City of Jacksonville Beach, Public Works Dept.
Effective Date: 04/18/2022

Term: 5 years

End Date: 04/18/2027

AGENT FOR SERVICE OF PROCESS

CITY:

Address for Giving Notices:

City of Jacksonville Beach
Public Works Dept.
1460A Stetter Avenue
Jacksonville Beach, Florida 32250

Designated Representative (Article 9):

Name: Dennis Barron
Title: Public Works Director
Phone Number: 904-247-6219

CONTRACTOR:

Address for Giving Notices:

Advanced Environmental Laboratories Inc.
ATTN: Charles M. GED
6681 Southpoint Parkway
Jacksonville, FL 332216

Designated Representative (Article 9):

Name:
Title:
Phone Number:

ELECTRONIC

RFP #05-2122

ENVIRONMENTAL SAMPLING AND ANALYTICAL LAB SERVICES

City of Jacksonville Beach

SUBMISSION: March 9, 2022 at 2:00 p.m.

City of Jacksonville Beach
1460A Shetter Ave.
Jacksonville Beach, FL 32250

Advanced Environmental Laboratories, Inc.
6681 Southpoint Parkway - (P) 904.363.9350 (F) 904.363.9354

TABLE OF CONTENTS

Environmental Sampling and Analytical Lab Services
CITY OF JACKSONVILLE BEACH | BID #05-2122

Tab 1– Qualifications

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

EVALUATION CRITERIA

Evaluation/Selection Committee will evaluate and rank responsive proposals based on responses to the following criteria.

1) Qualifications

Department of Health Laboratory Certification and NELAP Requirements

Advanced Environmental Laboratories (AEL) has maintained NELAC certification for 27 years and is currently in compliance with the State of Florida Department of Health NELAC Standards and FAC Rule 64E-1 regulations under the Florida Administrative Code 64E-1 for Wastewater, Sludge, Stormwater and Drinking Water analyses.
As requested, the AEL FDOH Certificates and Analytes are included in our submission under Appendix A. Our submission also includes our subconsultants' documentation.

As an accredited laboratory AEL also undergoes the bi-annual NELAC Audit. The audit process is a mandatory requirement of ISO9001 (TNI V1:M2 – Section 4.14). AEL's current audit is provided in Appendix B, furthering our commitment to meet, uphold and implement the quality management system as outlined by NELAC. The City may request the responses to the Statement of Deficiencies and Plan of Correction.

For further inquiry you may reach out to Vanessa Soto Contreras at the **Department of Health, Bureau of Public Health Laboratories, Florida.**

Vanessa Soto Contreras, Program Administrator
Florida DOH Environmental Laboratory Certification Program
Bureau of Public Health Laboratories
Division of Disease Control and Health Protection 1217 Pearl Street, Jacksonville, FL 32202 (Physical)
(P) 904-791-1582

Components of the QA/QC Plan and Program

Personnel Training
Quality requires well-trained personnel. At AEL, training begins during our Onboarding process. The employee receives a copy of AEL's Employee Handbook and acknowledges with their signature they have received and understand the company policies by submitting the Confidentiality Statement and the Code of Ethics forms. During the AEL 30, 60, 90-day program the Safety and Health Program Manual is introduced and referenced. Pre and Post hire AEL communications regarding Company policy and Safety are referenced and are accessible on the AEL Intranet. Our goal is to empower our employees with information so they are aware of the correct processes, policies, and expectations starting their first day.

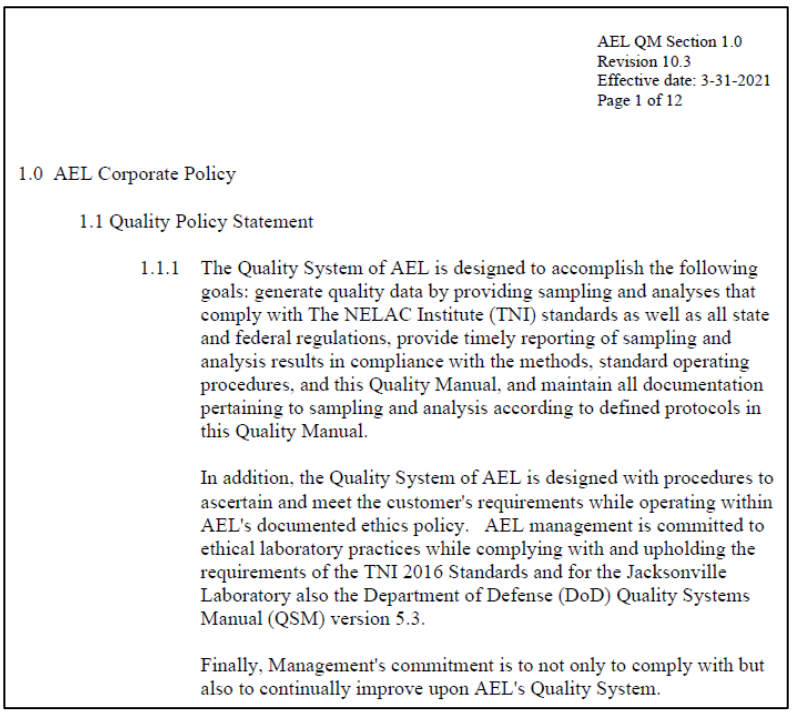
Upon starting the employee is ready to begin learning more about the lab program in general and their specific duties. Employees become familiarized with the quality Manual and Administrative SOPs, and are able to study, in detail, all SOPs related to their job. Additional training is accomplished through on-the-job training, meetings, tutorials, seminars, specialized training by instrument manufacturers, and participation in proficiency testing program.

Before technicians can graduate to performing tests and reporting results, demonstrations of capability are performed according to NELAP and AEL standards. For analytes that do not lend themselves to spiking (i.e., total suspended solids, total, dissolved solids, total volatile solids, total solids, pH, color, temperature, dissolved oxygen, turbidity, TCLP, ignitability, and microbiology), quality control samples are used.

Project and Data Quality
An organization approach to quality is taken throughout operations to ensure the best product possible is delivered to clients.

Policy Statement. Is the first section in AEL's Quality Manual. Our policy statement is based on the regulatory agencies requirements and our internal operating procedures. The twelve-page statement is the foundation of our business and outlines a high standard ethics for our project and data quality.

Our techniques and principles for managing our organization and management approach involves mobilizing staff and material resources to achieve our objectives.



AEL QM Section 1.0
Revision 10.3
Effective date: 3-31-2021
Page 1 of 12

1.0 AEL Corporate Policy

1.1 Quality Policy Statement

1.1.1 The Quality System of AEL is designed to accomplish the following goals: generate quality data by providing sampling and analyses that comply with The NELAC Institute (TNI) standards as well as all state and federal regulations, provide timely reporting of sampling and analysis results in compliance with the methods, standard operating procedures, and this Quality Manual, and maintain all documentation pertaining to sampling and analysis according to defined protocols in this Quality Manual.

In addition, the Quality System of AEL is designed with procedures to ascertain and meet the customer's requirements while operating within AEL's documented ethics policy. AEL management is committed to ethical laboratory practices while complying with and upholding the requirements of the TNI 2016 Standards and for the Jacksonville Laboratory also the Department of Defense (DoD) Quality Systems Manual (QSM) version 5.3.

Finally, Management's commitment is to not only to comply with but also to continually improve upon AEL's Quality System.

Figure 1 – AEL Quality Manual

Project Quality. Starts with AEL Project Managers (PMs) working closely with clients and technical staff in a laboratory to develop analytical plans and testing schedules that meet both project requirements and laboratory capabilities. The PMs help monitor the entire project for Quality as it moves through the required and documented processes; from initial inquiry, to quote, kit delivery and return, through login, the analysis final reporting and invoicing.

It is AEL's firm belief that most project problems are the result of poor communications. Therefore, AEL has a proactive policy regarding project management. AEL's PMs serve as the client/laboratory liaison and keep in routine contact with both concerning progress or any issues that may arise. The inherent nature of our business can create unexpected delays. Such as testing for unknowns, we often find unexpected results that may be of critical concern to our client's operations. In either case, our PMs standard procedure is to notify clients at the earliest possible time and with as much information as possible.

Data Quality. Management for a specific project begins once samples are logged into the Laboratory Information Management System (LIMS). The LIMS data management system has built-in quality controls that alert analysts to any problems and drastically help reduce the possibility of human error. Data is also peer reviewed and reviewed by department supervisors before initial reporting.

Reporting personnel perform an additional quality check as final deliverables are prepared. Lastly, PMs (who have been involved throughout the entire process) perform a final review of the project before signing the report so it can be issued to the client.

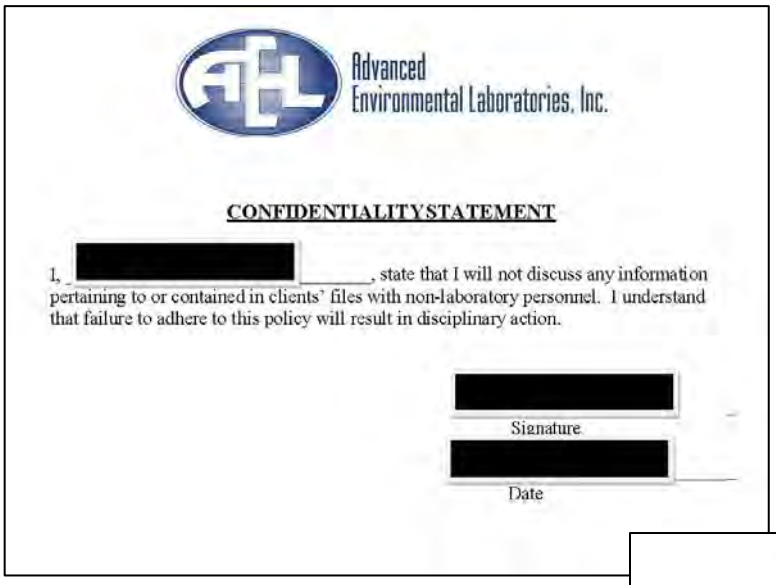
In addition to these processes, the Quality Assurance Officer performs routine spot checks. Representative projects are randomly selected from each department and checked for compliance to Florida, EPA, and AEL standards, protocol and SOPs.

Because of the nature of the environmental business, these efforts of individual industry professionals can affect not just themselves, their firms, and their clients, but potentially those efforts can have much greater impact or even negative ramifications. Therefore, there is an ethical standard, which must be upheld by all involved.

Code of Ethics. Scientific study is based in truthfulness and confident results. The AEL Quality Assurance Program includes these two critical standards. Beginning with our Policy Statement and throughout our Quality Manual and SOPs we keep data and project integrity top of mind. Every New Hire begins their AEL career by

Included in Attachment C is the AEL Quality Manual Table of Contents. Upon request, AEL can provide the full Quality Assurance Manual to the City.

Figure 2 – AEL Employee Confidentiality Statement



Advanced
Environmental Laboratories, Inc.

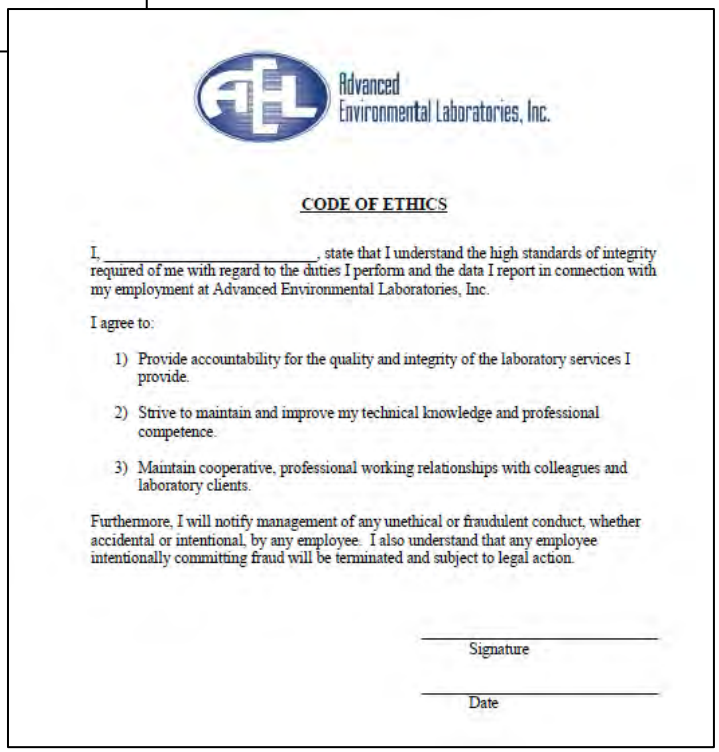
CONFIDENTIALITY STATEMENT

I, [redacted], state that I will not discuss any information pertaining to or contained in clients' files with non-laboratory personnel. I understand that failure to adhere to this policy will result in disciplinary action.

[redacted]
Signature

[redacted]
Date

Figure – 3. AEL Employee Ethics Statement



Advanced
Environmental Laboratories, Inc.

CODE OF ETHICS

I, _____, state that I understand the high standards of integrity required of me with regard to the duties I perform and the data I report in connection with my employment at Advanced Environmental Laboratories, Inc.

I agree to:

1) Provide accountability for the quality and integrity of the laboratory services I provide.
2) Strive to maintain and improve my technical knowledge and professional competence.
3) Maintain cooperative, professional working relationships with colleagues and laboratory clients.

Furthermore, I will notify management of any unethical or fraudulent conduct, whether accidental or intentional, by any employee. I also understand that any employee intentionally committing fraud will be terminated and subject to legal action.

_____
Signature

_____
Date

Tab 2– Experience

2) Experience and References

Number of Years in Business

Advanced Environmental Laboratory Services, Inc. (AEL) has been in operation for 27 years. Opened in 1994, AEL's Jacksonville laboratory was the first of now seven AEL locations providing the State of Florida with affordable and accurate water, wastewater, air and soil analysis services. AEL currently performs drinking water, wastewater, sludge and other testing for approximately 80 city, county, State, and Federal agencies throughout Florida including the Jacksonville Electric Authority. Additional utility clients, in Northeast Florida, include the counties of Clay, St. Johns, Putnam, Flagler, Alachua, Seminole, and Volusia. AEL also work directly for the Navy, Air Force, Army Corp of Engineers, Florida National Guard, FDEP, and FDOH. AEL grew from one location with two employees, to seven laboratories with 140 experienced scientific and supporting staff servicing over 100 city, county, State, and Federal agencies. Additionally, AEL provides testing to hundreds of commercial clients throughout the State of Florida, the nation and abroad, and to some foreign government agencies as well.

AEL is a privately-owned Florida Corporation; the company President and Principal on this contract, Chuck Ged, is the owner and founder. All decisions are made locally and not in another State or Country. AEL locations include laboratories in Jacksonville, Altamonte Springs, Gainesville, Tallahassee, Ft. Myers, Tampa and Miramar to support this contract. No other laboratory has as large of a network in Florida as AEL.

Staffing and Facility

AEL's staffing availability, instrumentation and facilities are more than sufficient to handle the City of Jacksonville Beaches' current and projected workload. This includes any required rush analysis. The Jacksonville laboratory is the incumbent and has provided sampling and analytical services to the City for over 10 years. The laboratory is a DoD ELAP, ISO 17025, and TNI (NELAP) approved facility with 41 employees who work on multiple analytical projects from wastewater to Superfund sites. In 2019 the Jacksonville site expanded from a single laboratory into a two-building campus. The existing 8,600 sf laboratory is a short walk away from the custom designed 16,400 square-foot building that was specifically engineered to serve as an environmental testing laboratory and also serves as the corporate headquarters. The new facility, designed by AEL, encompass state-of-the-art laboratory design and instrumentation and offers sampling and courier services.

AEL Jacksonville tenured staff includes: President- over 30 years, Vice President Operation – 21 years; Laboratory Manager – 26 years; Quality Assurance Officer – 14 years; Client Service Manager / Project Manager – 28 years; Organic and Inorganic Department Managers – 14 years and 10 years.

Proposed AEL management and staff resumes and a staff matrix outlining experience and education is located in Appendix D.

Financial Responsibility

AEL is a corporation under the laws of the State of Florida. The company is headquartered in Jacksonville and has been in business for 27 years. There have been no changes in ownership, with owner residing in Jacksonville. A third-party financial review, and current original certificates of insurance are provided in Appendix E. For further inquiry the City may reach out to Rob Kowkabany at Ameris Bank.

BANK REFERENCE
Rob Kowkabany - Ameris Bank | SVP – Commercial Banking Manager
1301 Riverplace Blvd., Ste. 2600 | Jacksonville, FL 32207
(D) 904.421.3066 | (C) 904.502.4771
rob.kowkabany@amerisbank.com

Services

Field Services: Include Composite, Grab, Surface Water, Monitoring Wells, Hazardous Waste and Soil Sampling. AEL has experienced field sampling technicians equipped with all the necessary tools to complete most any sampling event. We also have working relationships with several local and national consulting/engineering firms.

Reporting: AEL can provide reports directly to SJRWMD, DOH and DEP. This is done by fax or emailed reports in PDF format. Report formats include NELAP, DOH drinking water, DEP monitoring well and various electronic data deliverable types. Programs used include Excel, Access and Acrobat. ADaPT reporting is also available. The EPA's online reporting system for Federal contaminant monitoring can be provided as needed.

LIMS: The laboratory information management system (LIMS) is the brain center of the laboratory. All projects are tracked and processed from beginning to end – from initial quote to final report and invoice – using this secure and stable computerized data management system.

Since 2005 the AEL LIMS platform being used to operate our laboratory database is Horizon LIMS from Chemware. AEL recently upgraded our LIMS to the newest version of Horizon in the Fall of 2021 allowing more flexibility to further expand reporting, quality control, intranet, and customer service capabilities.

HORIZON is an Oracle based LIMS - both the database and the user interface. That allows the system to be virtually limitless in its reporting capabilities and growth potential. AEL can generate practically any EDD or reporting format a client can request – including ADaPT EDDs and Florida Drinking Water Reports – directly from the LIMS
The LIMS also allows for a wide variety of controls to protect data quality and assist with quality assurance. Our laboratory is protected by both our internet service provider's firewalls and security, and from a second system of internal AEL firewalls and security.

Customized Kits: For select projects, AEL can provide kits with pre-printed labels and packaged by sampling point. All you have to do is fill all the bottles in a set and notate the sampler name and date/time information. Helps reduce field headaches.

Fast Turnaround: Our standard turnaround on drinking water and wastewater analysis it is ten days. As we see it, this enables you to perform your job better and quicker. We can also provide rush turnaround delivery for most parameters – but please call to schedule this in advance (if you are rushing it, it must be important – so we want to make sure we have the capacity to deliver it on time).

Electronic Deliverables: We can provide your final report via e-mail with an electronic signature and scanned chain-of-custody. If you are developing a database for projects, AEL can provide your results in several electronic data deliverable (EDD) formats including ADaPT. EDDs can be Excel spreadsheets or your own custom format.

SELECT AEL: The most difficult part of reviewing laboratory data is comparing it to regulatory limits. The process is tedious and time consuming. We developed our proprietary data management system (SELECT AEL) to help speed up your ability to review laboratory data. What used to take hours now takes minutes. AEL provides SELECT AEL free to qualified clients.

References in Florida with Similar Scope

1. **City of Jacksonville Beach, Jacksonville Beach, FL**
   Contact: Ryan Deeney, Water Plant Division, (p) 904.247.6278; Robert Delgado, Plant Division, 904.813.2092

   AEL provides analysis for drinking water samples which are tested for the FDEP 62-550 analytes (including HAAs, THMs, Lead and Copper and Nitrate Total Coliforms, SOCs, etc). AEL also provides wastewater analysis

two groups follow the DEP permits include: CBOD, TSS, Fecal Coliform, organics, nutrients, metals, oil and grease.

2. **St. Johns County Utilities Department, St. Johns County, FL**
   Contact: Kevin Jones, Laboratory Supervisor, Technical Director (p) 904.209.2662

   AEL serves as the over-flow lab for the County's lab performing wastewater, drinking water, stormwater, and environmental sample testing. The lab provides sampling services as needed (grabs and composite), and also works for the County's Engineering Department, Parks Department, and Board of County Commissioners on various other projects.

3. **Clay County Utility Authority, Clay County, FL**
   Contact: Ross Bland, Chief Operator – Water Department, (p) 904-509-1013

   Samples are received at the lab 4 days a week, and the lab performs river sampling and sampling of monitoring wells. Drinking water samples are tested for the full 62-550 list (including HAAs, THMs, SOCs, Total Coliforms, etc.), and wastewater samples are tested for standard parameters required by DEP permits (CBOD, TSS, Fecal Coliform, sludge group, nutrients).

4. **Town of Green Cove Springs, Green Cove Springs, FL**
   Contact: Jesse Ryan, Utilities Plant Operator III, (p) 904-297-2226

   Samples are received by the lab 4 days a week. The lab performs river sampling and sampling of monitoring wells. Drinking water samples are tested for the full 62-550 list (including HAAs, THMs, SOCs, etc.), and wastewater samples are tested for standard parameters required by DEP permits (CBOD, TSS, Fecal Coliform, sludge group).

5. **City of Palm Coast Utility, Palm Coast, FL**
   Contact: Brian Matthews, Environmental Compliance Manager, (p) 386.986.2353

   Samples are picked up by AEL courier 5 days a week at 3 locations and as needed on weekends, and the lab performs quarterly sampling of monitoring wells. Drinking water samples are tested for the full 62-550 list (including HAAs, THMs, SOCs, Total Coliforms, etc.), and wastewater samples are tested for standard parameters required by DEP permits (CBOD, TSS, Fecal Coliform, sludge group, nutrients).

Tab 3– Range of Services

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

3) Range of Services

Sample Container Delivery and Sample Pick Up

AEL can deliver sample containers and provide sample pick-up from the City. Field sampling services include composite, grab, surface water, monitoring wells, hazardous waste, and soil sampling. Typical field measurements include temperature, conductivity, pH, salinity, and flow monitoring. Report formats include NELAP, DOH drinking water, DEP monitoring well, and various electronic data deliverable types such as ADaPT. Our samplers follow DEP SOPs for sampling and have been to training courses on these methods. We offer research assistance including helping clients navigate new or unfamiliar regulatory rules and troubleshooting specific site situations. AEL does well with coordination with clients and regulatory staff to help keep clients in compliance with permits. AEL also has coordinated complex sampling plans for client projects.

Equipment List and Monitoring/Measuring and Methods

Within the past year AEL has spent over $1,000,000 on modernization of our equipment and systems – not including building an 8,600 square-foot expansion to our Jacksonville laboratory, a refurbishment to our Tampa laboratory and New equipment includes an LC/MS/MS to run PFAS, a new ICP and ICP-MS for metals, any two new GC/MSs for organics. Practically all equipment dump raw data directly into the computer systems (no hand entry) and are equipped with autosamplers. This reduces the chance for human error while increasing the production capacity of the lab greatly. Quality is improved because Chemists and Biologist can spend more time reviewing data quality and less time doing manual labor, data entry, and clerical work.

AEL's sampling staff is equipped with field meters, bailers, pumps, generators, composite sampler and sample collection devices in order to properly follow DEP Sampling SOPS. Rainfall measurement instrumentation would be purchased or rented on a project specific basis if needed.

Typical field measurements include temperature, conductivity, pH, salinity, and flow monitoring. Our samplers follow DEP SOPs for sampling and have been to training courses on these methods. We offer research assistance including helping clients navigate new or unfamiliar regulatory rules and trouble shoot specific site situations. AEL does will with coordination with clients and regulatory staff to help clients stay in compliance with permits, AEL also has coordinated complex sampling plans for client projects.

A complete list of in-house equipment for the Jacksonville Laboratory and our other locations is provided in Appendix F.

Subcontracted Analyses

Based on the testing requirements stated in the City of Jacksonville Beaches request, the only analysis AEL will subcontract are as follows:

KNL ENVIRONMENTAL TESTING
- Radiochemistry (gross alpha/beta, and radium 226/228)

EMSL ANALYTICAL, INC.
- Asbestos in drinking water

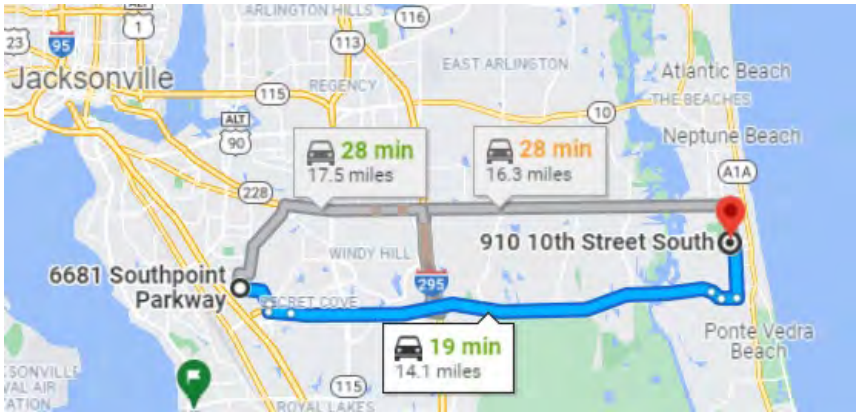
BCS LABORATORIES, INC.
- Giardia and Cryptosporidium

Tab 4– Proximity

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

4) Proximity

AEL's headquarters is in Jacksonville, FL located at 6681 Southpoint Parkway and is conveniently located within a 19-minute drive from the City of Jacksonville Beach facility at 910 10th Street South with alternate routes available if needed.



AEL – JACKSONVILLE

Location & Service Benefits for the City of Jacksonville Beach

Located less than 20 minutes from the City of Jacksonville Beach.

The Jacksonville AEL Laboratory will be the City's lead laboratory is managed by Laboratory Manager, Jason Gebhardt.

Jerry Allen, AEL Client Services Manager, has been the City's primary contact for the past 3.5 years.

99% of Samples are run in-house.

Advanced Environmental Laboratories operations are available 365 days a year with operations adjusted per client and project requirements.

Tab 5– Pricing

FORM 1 - UNIT PRICE TENDER FORM (Page 1 of 9)

FIRM: Advanced Environmental Laboratories, Inc. **PROPOSAL DATE:** 3/9/2022

(PLEASE ENSURE LAST PAGE IS SIGNED BY FIRM'S AUTHORIZING AGENT.)

ITEM A: Wastewater Analysis Matrix for Pollution Control Plant Division (Sheet 1 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Enterococci	EPA Method 1106.1 and 1600 ASTM D6503	1/100ml MPN	1/100ml MPN	(5) samples non-consecutive Days/month	60	$45.00	$2,700.00	Yes / No
CBOD (5 day)	SM 5210.B	0.2 mg/L	1.0 mg/L	Weekly (3)	156	$18.00	$2,808.00	Yes / No
Total Suspended Solids	160.2	4.0 mg/L	4.0 mg/L	5 days/week	469	$10.00	$4,690.00	Yes / No
Fecal Coliform	SM 9222D	1 (no/100 mL)	1 (no/100 mL)	5 days/week	417	$15.00	$6,255.00	Yes / No
Total Recoverable Copper	200.8	1.0 ug/L	5.0 ug/L	Monthly	14	$11.00	$154.00	Yes / No
Total Recoverable Mercury	245.2 or 245.1	0.2 ug/L	0.5 ug/L	Quarterly (1)	4	$20.00	$80.00	Yes / No
Total Recoverable Nickel	200.8	1.0 ug/L	5.0 ug/L	Quarterly (1)	4	$11.00	$44.00	Yes / No
Total Ammonia, as N	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$18.00	$144.00	Yes / No
Total Organic Nitrogen, as N	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$0.00	$0.00	Yes / No
Total Kjeldahl Nitrogen, as N	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$18.00	$144.00	Yes / No
Nitrate plus Nitrite as N	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$16.00	$128.00	Yes / No

FORM 1 - UNIT PRICE TENDER FORM (Page 2 of 9)

ITEM A: Wastewater Analysis Matrix for Pollution Control Plant Division (Sheet 2 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Total Nitrogen, as N	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$0.00	$0.00	Yes / No
Total Phosphorus, as P	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$18.00	$144.00	Yes / No
Orthophosphorus, as P	Per Note 3	Per Note 3	Per Note 3	Quarterly (2)	8	$17.00	$136.00	Yes / No
Total Cyanide as CN	EPA 335.4	4 ug/L	10 ug/L	Monthly (2)	24	$35.00	$840.00	Yes / No
Treated Sludge – Toxicity Characteristic Leaching Procedure (TCLP	SW-846	varied	varied	Annual (1)	1	$600.00	$600.00	Yes / No
Arsenic	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Barium	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Cadmium	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Chromium	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Lead	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Mercury	6010	Per Note 7	Per Note 7	Annual (1)	1	$20.00	$20.00	Yes / No
Selenium	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Silver	6010	Per Note 7	Per Note 7	Annual (1)	1	$11.00	$11.00	Yes / No
Giardia	Per Note 5	Per Note 5	Per Note 5	Biannual (1)	2	$385.00	$770.00	Yes / No

FORM 1 - UNIT PRICE TENDER FORM (Page 3 of 9)

ITEM A: Wastewater Analysis Matrix for Pollution Control Plant Division (Sheet 3 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Cryptosporidium	Per Note 5	Per Note 5	Per Note 5	Biannual (1)	2	$385.00	$770.00	Yes / No
PRIMARY DRINKING WATER STANDARDS	Per Note 5	Per Note 5	Per Note 5	Annual (1)	1	$945.00	$945.00	Yes / No
SECONDARY DRINKING WATER STANDARDS	Per Note 5	Per Note 5	Per Note 5	Annual (1)	1	$138.00	$138.00	Yes / No
QUARTERLY GROUNDWATER Water level relative to NGVD,Nitrite plus Nitrate, Total as N, TDS,Chloride as Cl, Fecal Coliform,pH, Total Sulfate	Per Note 4	Per Note 6	Per Note 6	Quarterly (1)	4	$85.00	$340.00	Yes / No
						Combined Estimated ANNUAL TOTAL COST: (of all Analyses for **Wastewater Analysis Matrix**)	$21,927.00	**Total # "Yes" for Sub-Contractor:** 2

FORM 1 - UNIT PRICE TENDER FORM (Page 4 of 9)

ITEM B: Stormwater Analysis Matrix for Stormwater Division (Sheet 1 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Cadmium	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$11.00	$154.00	Yes / No
Lead	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$11.00	$154.00	Yes / No
TKN Nitrogen Kjeldahl total	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$18.00	$504.00	Yes / No
Total Coli Forms	Per Note 6	Per Note 6	Per Note 6	Annual (44)	44	$12.00	$528.00	Yes / No
Fecal Coli Form	Per Note 6	Per Note 6	Per Note 6	Annual (12)	12	$15.00	$180.00	Yes / No
Particle Size	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$0.00	$0.00	Yes / No
Aluminum	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$11.00	$154.00	Yes / No
Zinc	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$11.00	$154.00	Yes / No
Turbidity	Per Note 6	Per Note 6	Per Note 6	Annual (32)	32	$9.00	$288.00	Yes / No
Copper	Per Note 6	Per Note 6	Per Note 6	Annual (14)	14	$11.00	$154.00	Yes / No
Biochemical Oxygen Demand	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$18.00	$504.00	Yes / No
Chemical Oxygen	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$12.00	$336.00	Yes / No
Total Suspended Solids	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$10.00	$280.00	Yes / No

FORM 1 - UNIT PRICE TENDER FORM (Page 5 of 9)

ITEM B: Stormwater Analysis Matrix for Stormwater Division (Sheet 2 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Total Dissolved Solids	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$10.00	$280.00	Yes / No
Dissolved Solids	Per Note 6	Per Note 6	Per Note 6	Annual (32)	32	$10.00	$320.00	Yes / No
Total Solids	Per Note 6	Per Note 6	Per Note 6	Annual (32)	32	$10.00	$320.00	Yes / No
Total Recoverable Metals	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$20.00	$560.00	Yes / No
Orthophosphorus	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$17.00	$476.00	Yes / No
Phosphorus	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$18.00	$504.00	Yes / No
Nitrate/Nitrite	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$17.00	$476.00	Yes / No
Total Nitrogen	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$0.00-	$0.00	Yes / No
Oil & Grease	Per Note 6	Per Note 6	Per Note 6	Semi Annual (14)	28	$45.00	$1,260.00	Yes / No
Total Phenols	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$44.00		Yes / No
Methylene Blue Active Substances	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$35.00		Yes / No
Ammonia	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$15.00		Yes / No
Salinity	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$13.00		Yes / No

FORM 1 - UNIT PRICE TENDER FORM (Page 6 of 9)

ITEM B: Stormwater Analysis Matrix for Stormwater Division (Sheet 3 of 3)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? *(Circle Yes or No)*
Total Hardness	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$16.00		Yes / No
Total Chromium	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$11.00		Yes / No
Iron	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$11.00		Yes / No
Total phosphorus	Per Note 6	Per Note 6	Per Note 6	Unassigned	N/A	$18.00		Yes / No
						Combined Estimated ANNUAL TOTAL COST: (of all Analyses for **Stormwater Analysis Matrix**)	$7,586.00	**Total # "Yes" for Sub-Contractor:** 0

FORM 1 - UNIT PRICE TENDER FORM (Page 7 of 9)

ITEM C: Drinking Water Analysis Matrix for Water Plant Division (Sheet 1 of 2)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? (Circle Yes or No)
Inorganic Compounds 62-550 Table I, including nitrate & nitrite	Per Note 5	Per Note 5	Per Note 5	Semi Annual (1) once every 3 years	2 (during year of analysis)	$190.00	$380.00	Yes / No
NITRATE & NITRITE *RULES 62-550.500(5) & 62-550.512*				Annual (1)	2	$17.00	$34.00	Yes / No
Total Trihalomethanes	Per Note 5	Per Note 5	Per Note 5	Quarterly (20)	80	$40.00	$3,200.00	Yes / No
Haloacetic Acids (HAA5)	Per Note 5	Per Note 5	Per Note 5	Quarterly (5)	20	$85.00	$1,700.00	Yes / No
Volatile Organic Compounds 62-550 Table 4	Per Note 5	Per Note 5	Per Note 5	Tri-Annual, every 3 years	2	$80.00	$160.00	Yes / No
Synthetic Organic Compounds 62-550 Table 5	Per Note 5	Per Note 5	Per Note 5	2 Quarterly samples every 3 years	2 (during year of analysis)	$600.00	$1,200.00	Yes / No
Secondary Drinking Water Standards 62-550 Table 6	Per Note 5	Per Note 5	Per Note 5	Every 3 years	4 (spread over 3 years)	$138.00	$552.00	Yes / No
Total Coliform	Per Note 5	Per Note 5	Per Note 5	Monthly (44)	480	$12.00	$5,760.00	Yes / No

FORM 1 - UNIT PRICE TENDER FORM (Page 8 of 9)

ITEM C: Drinking Water Analysis Matrix for Water Plant Division (Sheet 2 of 2)

Type of Analysis	Method	MDL	PQL	Estimated Frequency (# Analyses)	Estimated ANNUAL NUMBER of Analyses (A)	UNIT PRICE TENDERED (per Analysis) (B)	Estimated ANNUAL TOTAL COST (TC) = (A)X(B)	Analysis Performed by Sub-Contractor? (Circle Yes or No)
Radionuclides	Per Note 5	Per Note 5	Per Note 5	Every 3 years Due 2023	16 (during year of analysis)	$200.00	$3,200.00	(Yes) / No
ASBESTOS *RULE 62-550.511*				Every 9 years Due 2029	7 (during year of analysis)	$220.00	$1,540.00	(Yes) / No
Copper	Per Note 5	Per Note 5	Per Note 5	Every 3 years Due 2022	100 (during year of analysis)	$11.00	$1,100.00	Yes / (No)
Lead	Per Note 5	Per Note 5	Per Note 5	Every 3 years Due 2022	100 (during year of analysis)	$11.00	$1,100.00	Yes / (No)
					Combined Estimated ANNUAL TOTAL COST: (of all Analyses for **Drinking Water Analysis Matrix**)		$19,926.00	**Total # "Yes" for Sub-Contractor:** 2

ABOVE UNIT PRICES TENDERED (Pages 1 through 8) AUTHORIZED BY:

SIGNATURE: _____ **DATE:** 3/4/2026

PRINTED NAME: Charles M. Ged

POSITION IN FIRM: President **FIRM's NAME:** Advanced Environmental Laboratories, Inc.

Tab 6– Required Forms

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

FORM 1 - UNIT PRICE TENDER FORM (Page 9 of 9)

The respondent understands that the CITY reserves the right to: 1) reject all proposals and waive informalities, in whole or in part, in the proposals, and 2) to accept the proposal that in its judgment will best serve the interest of the CITY.

ADDENDA RECEIPT VERIFICATION

Respondent shall acknowledge receipt of all addenda, if any, to the Request for Proposals, by filling in Addenda Numbers and dates below.

Addendum #: 1	**Dated:** 2/16/2022		**Addendum #:** 3	**Dated:** 2/25/2022
Addendum #: 2	**Dated:** 2/23/2022		**Addendum #:** ____	**Dated:** ____

PROPOSAL DOCUMENT TURN-IN CHECKLIST

The following documents are to be completed, signed and submitted as part of the Proposal Submittal Package in response to this RFP. Failure to provide the listed documents may be cause for the CITY to consider rejection of the submitted proposal. This consideration will be at the sole discretion of the CITY.

INITIAL Check-Off	FORM	SECTION TITLE
[x]	1	**UNIT PRICE TENDER FORM** (completed Pages 35 thru 43)
[x]	2	**RFP AWARD NOTICE FORM – Cover Sheet** (completed Page 44)
[x]	3	**REQUIRED DISCLOSURE FORM** (completed Page 45)
[x]	4	**DRUG-FREE WORKPLACE COMPLIANCE FORM** (completed Page 46)
[x]	5	**NON-COLLUSION AFFIDAVIT** (completed Page 47)
[x]	6	**NON-BANKRUPTCY AFFIDAVIT** (completed page 48)
[x]		**QUALIFICATIONS**
[x]		**EXPERIENCE AND REFERENCES**
[x]		**RANGE OF SERVICES**
[x]		**PROXIMITY**
[x]		**PRICING**
[x]		**W-9** (Attach completed and signed form, which can be obtained from www.irs.gov)

NOTE: Please INITIAL Check-Off of each *document / activity / requirement* that is attached to the *Proposal Tender Form* and/or is required by the RFP and/or Addenda.

By: _____
Signature of Authorized Submitter

Charles M Ged, President
Title (typed or neatly printed)

FORM 2

RFP AWARD NOTICE

City of Jacksonville Beach

1460A Shetter Avenue, Jacksonville Beach, FL 32250, (904) 247-6229

NOTICE: Items 1 to 6 are to be completed by the respondent. The respondent is to submit the form to the CITY along with the Proposal Tender Form and other required documents.

1. Company Name: Advanced Environmental Laboratories, Inc.
2. Address: 6681 Southpoint Parkway
3. City, State & Zip: Jacksonville, FL 32216
4. Attention: Charles M. Ged
5. Phone: (904) 363.9650 Fax: (904) 363.9354
6. E-mail address: cged@aellab.com

PLEASE PRINT CLEARLY

****

ITEMS BELOW TO BE COMPLETED BY THE CITY OF JACKSONVILLE BEACH

****

Proposals were received and evaluated, and the following recommendation will be presented to the City Manager for award of **RFP No. 05-2122** per the attached Proposal Tabulation form(s).

A written notice of intent to file a protest must be filed with the Property and Procurement Officer within three (3) days after receipt by the respondent of the Notice of Intent to Submit RFP for Approval and Award by City Council from the Property and Procurement Officer in accordance with the procedures set forth in Section XII K., City of Jacksonville Beach Purchasing Manual.

If awarded RFP, please do not proceed with any work prior to receiving an official City of Jacksonville Beach Purchase Order and/or Notice-to-Proceed letter.

Thank you for your proposal.
Sincerely,

CITY OF JACKSONVILLE BEACH
/s/Luis F. Flores
Property and Procurement Division

FORM 3

REQUIRED DISCLOSURE

The following disclosure is of all material facts pertaining to any felony conviction or any pending felony charges in the last three (3) years in this State or any other state or the United States against (1) respondent, (2) any business entity related to or affiliated with respondent, or (3) any present or former owner of respondent or of any such related or affiliated entity. This disclosure shall not apply to any person or entity which is only a stockholder, which person or entity owns twenty (20) percent or less of the outstanding shares of a respondent whose stock is publicly owned and traded:

AEL does not have pending or past felony charges within the last three (3) years regarding the three condintions mentioned in the above disclosure.

Signed: _____ Title: President

Contractor: Charles M. Ged

FORM 4

DRUG-FREE WORKPLACE COMPLIANCE

IDENTICAL TIE PROPOSALS - Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals, which are equal with respect to price, quality and service, are received by the State or by any political subdivision for the procurement of commodities or contractual services, a proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.

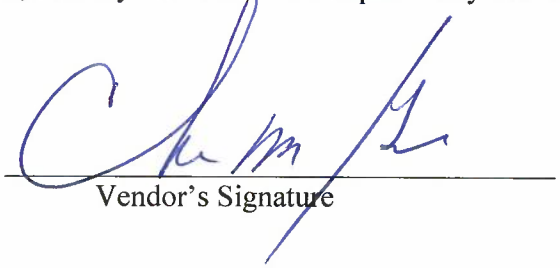
3) Give each employee engaged in providing the commodities or contractual services that are under contract a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under contract, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Vendor's Signature

FORM 5

NON-COLLUSION AFFIDAVIT

Charles M. Ged, being first duly sworn deposes and says that:

1. He (it) is the President, of AEL the respondent that has submitted the attached proposal; Advanced Environmental Laboratories, Inc.

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such proposal;

3. Such proposal is genuine and is not a collusive or sham proposal;

4. Neither the said respondent nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affidavit, have in any way, colluded, conspired, connived or agreed, directly or indirectly, with any other respondent, firm or person to submit a collusive or sham proposal in connection with the Contract for which the attached proposal has been submitted; or to refrain from responding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion or communication, or conference with any respondent firm, or person to fix the price or prices in the attached proposal or of any other respondent or to fix any overhead, profit, or cost elements of the proposal price or the proposal price of any other respondent, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against other Respondents, or any person interested in the proposed Contract;

5. The price or prices quoted in the attached proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the respondent or any other of its agents, representatives, owners, employees or parties in interest, including his affidavit.

By: _____

Sworn and subscribed to before me this 15th day of February, 2022
in the State of Florida, County of Duval.

_____ Notary Public
Christopher Stone
My Commission Expires: 12/03/2024

CHRISTOPHER ALLAN STONE
MY COMMISSION #HH 69061
EXPIRES: DEC 03, 2024
Bonded through 1st State Insurance

FORM 6

NON-BANKRUPTCY AFFIDAVIT

STATE OF Florida)

COUNTY OF Duval)

Charles M. Ged is an officer and member of the firm of Advanced Environmental Laboratories, Inc., being first duly sworn, deposes and states that;

1. The subsequent certification statement is a true and accurate statement as of the date shown below.

2. The affiant understands that the intentional inclusion of false, deceptive or fraudulent statements on this Non-Bankruptcy Affidavit constitutes fraud; and, that the City of Jacksonville Beach, Florida, considers such action on the part of the affiant to constitute good cause for denial, suspension, revocation, disqualification, or rejection of affiant's participation in **RFP #: 05-2122.**

3. Certification Statement: This is to certify that the aforementioned firm has not filed for bankruptcy in the past seven (7) years and that no owner/officer or principal of the aforementioned firm has filed for bankruptcy personally in the past seven (7) years or has been an owner/officer or principal of a firm which has filed for bankruptcy in the past seven (7) years.

Affiant Signature

Sworn to before me this 15th day of February, 2022 by Charles M. Ged
(Name of affiant)

He/She is personally known to me or has produced _____ as identification.

Signature of Notary

Christopher Stone
Notary's Printed Name

12/03/2024
Expiration of Notary's Commission

Affix Seal Here:

NOTARY PUBLIC STATE OF FLORIDA
CHRISTOPHER ALLAN STONE
MY COMMISSION #HH 69061
EXPIRES: DEC 03, 2024
Bonded through 1st State Insurance

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

► Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Advanced Environmental Laboratories, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☑ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

6681 Southpoint Parkway

6 City, state, and ZIP code

Jacksonville, FL 32216

Requester's name and address (optional)

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

5	9	–	3	2	7	4	4	7	0

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ► [signature] Date ► 1/24/2022

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

ADDENDUM No. 1

RFP No.: 05-2122
Title: Environmental Sampling and Analytical Lab Services

The purpose of Addendum No. 1 to RFP No. 05-2122 Environmental Sampling and Analytical Lab Services is to answer the following questions:

Question 1:
Could you tell me who the current incumbent is and what is the current contract pricing?

Answer 1:
Advanced Environmental Laboratories, Inc; Environmental Conservation Laboratories, Inc. (Enco); and ALS Group USA; see attached 'Unit Price Tender Forms' summary from RFP #01-1617.

COMPANY NAME: Advanced Environmental Laboratories, Inc.

ADDRESS: 6681 Southpoint Parkway

CITY, STATE & ZIP: Jacksonville, FL 32216

SUBMITTED BY: Charles M. Ged TITLE: President

Printed name of authorized submitter

SIGNATURE: DATE: 2/16/2022

ADDENDUM No. 2

RFP No.: 05-2122
Title: Environmental Sampling and Analytical Lab Services

The purpose of Addendum No. 2 to RFP No. 05-2122 Environmental Sampling and Analytical Lab Services is to extend the response due date to Wednesday, March 9, 2022

COMPANY NAME: Advanced Environmental Laboratories, Inc.

ADDRESS: 6681 Southpoint Parkway

CITY, STATE & ZIP: Jacksonville, FL 32216

SUBMITTED BY: Charles M. Ged TITLE: President
Printed name of authorized submitter

SIGNATURE: _____ DATE: 2/23/2022

ADDENDUM No. 3

RFP No.: 05-2122
Title: Environmental Sampling and Analytical Lab Services

The purpose of Addendum No. 3 to RFP No. 05-2122 Environmental Sampling and Analytical Lab Services is to answer the following questions:

Question 1:
Item A, B and C (pages 23 – 27) references "Per Note #" for Method, MDL and PQL, where are the Notes? Please provide "Notes" for clarification.

Answer 1:
Pages 23-27 are pages taken out of our DEP Permit. We put these pages in the RFP to reference the type of samples, the measurement for each sample, and the sample's time. Attached are the corresponding notes.

Question 2:
How many Quarterly Groundwater Wells are to be sampled each quarter? Please provide well information.

Answer 2:
The quarterly groundwater well sampling has recently been removed from our permit. We are asking for pricing in the event the State reinstates this requirement.

Question 3:
Who samples the Groundwater Wells?

Answer 3:
The contract lab company selected subcontracts the well sampling requirement to a third party.

Question 4:
Does the City deliver samples to the laboratory or is courier service to be provided by the laboratory?

Answer 4:
The contract lab company selected provides the courier service for the delivery of samples.

Question 5:
Is there a need for weekend or holiday services?

Answer 5:
Samples will be picked up on Presidents' Day, Columbus Day, and Juneteenth holidays. No weekend pick up required.

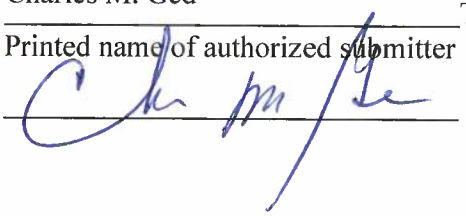
COMPANY NAME: Advanced Environmental Laboratories, Inc.

ADDRESS: 6681 Southside Blvd.

CITY, STATE & ZIP: Jacksonville, FL

SUBMITTED BY: Charles M. Ged TITLE: President

Printed name of authorized submitter

SIGNATURE:  DATE: 2/25/2022

Appendices A-F

NELAC Certifications
NELAC Audit
QA/QC Manual
Staff Experience
Financial Stability
AEL Equipment List

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

Appendix A

NELAC
Certifications

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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82574-69-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,1,2,2-Tetrachloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,1-Dichloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,1-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,2,3-Trichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,2,3-Trichloropropane	EPA 504.1	Group II Unregulated Contaminants	NELAP	5/10/2011
1,2,3-Trichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,2,4-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/4/2002
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Synthetic Organic Contaminants	NELAP	4/4/2002
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
1,3,5-Trimethylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,3-Dichlorobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,3-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
2,2-Dichloropropane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
2,4-D	EPA 515.3	Synthetic Organic Contaminants	NELAP	3/29/2006
2-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
3-Hydroxycarbofuran	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/12/2019
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
4-Chlorotoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Acetone	EPA 524.2	Group II Unregulated Contaminants	NELAP	8/3/2012
Alachlor	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/24/2005

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
Aldicarb (Temik)	EPA 531.1	Group I Unregulated Contaminants	NELAP	5/10/2011
Aldicarb sulfone	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/26/2012
Aldicarb sulfoxide	EPA 531.1	Group I Unregulated Contaminants	NELAP	5/10/2011
Aldrin	EPA 508	Group I Unregulated Contaminants	NELAP	5/10/2011
Alkalinity as CaCO3	EPA 310.1	Primary Inorganic Contaminants	NELAP	12/8/2006
Alkalinity as CaCO3	SM 2320 B	Primary Inorganic Contaminants	NELAP	1/21/2005
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	4/4/2002
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Atrazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/24/2005
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Benzo(a)pyrene	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/21/2005
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/8/2006
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	1/21/2005
Bromobenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Bromochloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	1/21/2005
Bromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/21/2005
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/21/2005
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Carbaryl (Sevin)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/12/2019
Carbofuran (Furadan)	EPA 531.1	Synthetic Organic Contaminants	NELAP	4/19/2005
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Chlordane (tech.)	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	5/10/2011
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	1/21/2005
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Chloroethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/21/2005
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002

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

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
cis-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Color	EPA 110.2	Secondary Inorganic Contaminants	NELAP	2/13/2003
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	4/27/2007
Conductivity	EPA 120.1	Primary Inorganic Contaminants	NELAP	4/30/2008
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	4/30/2008
Copper	EPA 200.7	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	NELAP	4/4/2002
Copper	EPA 200.8	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	NELAP	3/25/2015
Dalapon	EPA 515.3	Synthetic Organic Contaminants	NELAP	1/21/2005
Di(2-ethylhexyl) phthalate (DEHP)	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/21/2005
Di(2-ethylhexyl)adipate	EPA 525.2	Synthetic Organic Contaminants	NELAP	1/21/2005
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	1/21/2005
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/21/2005
Dibromomethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	3/24/2005
Dichlorodifluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Dieldrin	EPA 508	Group I Unregulated Contaminants	NELAP	5/10/2011
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	1/21/2005
Diquat	EPA 549.2	Synthetic Organic Contaminants	NELAP	4/19/2005
Endothall	EPA 548.1	Synthetic Organic Contaminants	NELAP	1/21/2005
Endrin	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Escherichia coli	SM 9221 F	Microbiology	NELAP	8/3/2012
Escherichia coli	SM 9223 B	Microbiology	NELAP	9/5/2002
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	9/21/2011
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Glyphosate	EPA 547	Synthetic Organic Contaminants	NELAP	4/30/2008
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	12/8/2006
Heptachlor	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Heptachlor epoxide	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	1/21/2005
Hexachlorobenzene	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005

Laboratory Scope of Accreditation

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Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Hexachlorobutadiene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Hexachlorocyclopentadiene	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Hexachlorocyclopentadiene	EPA 525.2	Synthetic Organic Contaminants	NELAP	7/12/2019
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	4/4/2002
Isopropylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	4/4/2002
Manganese	EPA 200.8	Secondary Inorganic Contaminants	NELAP	12/8/2006
Mercury	EPA 1631	Primary Inorganic Contaminants	NELAP	2/18/2016
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	4/4/2002
Methiocarb (Mesurol)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/12/2019
Methomyl (Lannate)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/12/2019
Methoxychlor	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Methyl bromide (Bromomethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Methyl chloride (Chloromethane)	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Methyl tert-butyl ether (MTBE)	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Methylene chloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	12/8/2006
Molybdenum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	4/27/2007
Naphthalene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
n-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/10/2011
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/10/2011
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
n-Propylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	2/13/2003
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/10/2011
Orthophosphate as P	SM 4500-P E	Primary Inorganic Contaminants	NELAP	6/6/2017
Oxamyl	EPA 531.1	Synthetic Organic Contaminants	NELAP	2/25/2015
PCBs	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
Pentachlorophenol	EPA 515.3	Synthetic Organic Contaminants	NELAP	1/21/2005

Laboratory Scope of Accreditation

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E82574
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6681 Southpoint Parkway
Jacksonville, FL 32216

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluorooctane Sulfonic Acid (PFOS, Perfluoro-octane Sulfonate)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid)	EPA 533	Group III Unregulated Contaminants	NELAP	6/19/2020
pH	EPA 150.1	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	NELAP	4/4/2002
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	2/28/2008
Picloram	EPA 515.3	Synthetic Organic Contaminants	NELAP	1/21/2005
p-Isopropyltoluene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	1/21/2005
Propoxur (Baygon)	EPA 531.1	Group I Unregulated Contaminants	NELAP	7/12/2019
Residue-filterable (TDS)	EPA 160.1	Secondary Inorganic Contaminants	NELAP	4/4/2002
Residue-filterable (TDS)	SM 2540 C	Secondary Inorganic Contaminants	NELAP	2/28/2008
Salinity	SM 2520 B	Secondary Inorganic Contaminants	NELAP	8/3/2012
sec-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006

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	Method/Tech	Category	Certification Type	Effective Date
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	1/21/2005
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	4/4/2002
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	12/8/2006
Silvex (2,4,5-TP)	EPA 515.3	Synthetic Organic Contaminants	NELAP	1/21/2005
Simazine	EPA 525.2	Synthetic Organic Contaminants	NELAP	3/24/2005
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	4/4/2002
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/10/2011
tert-Butylbenzene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	12/8/2006
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Total coliforms	SM 9222 B	Microbiology	NELAP	4/4/2002
Total coliforms	SM 9223 B	Microbiology	NELAP	9/5/2002
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	1/21/2005
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	5/10/2011
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Toxaphene (Chlorinated camphene)	EPA 508	Synthetic Organic Contaminants	NELAP	3/24/2005
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
trans-1,3-Dichloropropene	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	1/21/2005
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Trichlorofluoromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/26/2009
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	7/17/2002
Uranium (mass)	EPA 200.8	Radiochemistry	NELAP	7/1/2007
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	1/21/2005
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	4/4/2002
Zinc	EPA 200.8	Secondary Inorganic Contaminants	NELAP	12/8/2006

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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	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,1-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,2,2-Tetrachloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	5/10/2011
1,1,2-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2,4-Trichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	Volatile Organics	NELAP	12/8/2006
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	Volatile Organics	NELAP	12/8/2006
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichloropropane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Diphenylhydrazine	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2-Diphenylhydrazine (as Azobenzene)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,3-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018

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

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	5/10/2011
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270	Extractable Organics	NELAP	7/1/2018
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Phenylenediamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
1-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
1-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	7/1/2018
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
2-(N-Methyl-perfluorooctane sulfonamido) acetic acid	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,3-Dichloroaniline	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4,6-Trichlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-D	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
2,4-DB	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
2,4-Dichlorophenol	EPA 625.1	Extractable Organics	NELAP	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	Method/Tech	Category	Certification Type	Effective Date
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-Dimethylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-Dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,6-Dichlorophenol	EPA 625.1	Extractable Organics	NELAP	7/12/2019
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Chloroethyl vinyl ether	EPA 624.1	Volatile Organics	NELAP	1/22/2018
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Chloronaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Chlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Ethoxyethanol (Ethyl Cellusolve)	EPA 8015	Volatile Organics	NELAP	7/12/2019
2-Hexanone	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Methyl-4,6-dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	7/12/2019
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Methylphenol (o-Cresol)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Nitropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	7/1/2003
3,3'-Dichlorobenzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003

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Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
3,3'-Dimethoxybenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
3/4-Methylphenols (m/p-Cresols)	EPA 625.1	Extractable Organics	NELAP	7/12/2019
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	4/27/2007
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4,4'-DDD	EPA 608.3	Extractable Organics	NELAP	1/22/2018
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
4,4'-DDE	EPA 608.3	Extractable Organics	NELAP	1/22/2018
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
4,4'-DDT	EPA 608.3	Extractable Organics	NELAP	1/22/2018
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Bromophenyl phenyl ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chloro-3-methylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chlorophenyl phenylether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	7/1/2003
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Nitroquinoline 1-oxide	EPA 8270	Extractable Organics	NELAP	7/1/2003
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acenaphthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acenaphthylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	7/1/2003

Laboratory Scope of Accreditation

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Jacksonville, FL 32216

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Acetone	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acetonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acetophenone	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acetophenone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acrolein (Propenal)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acrylonitrile	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Adsorbable organic halogens (AOX)	EPA 1650	General Chemistry	NELAP	7/1/2018
Alachlor	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	6/19/2020
Aldrin	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Alkalinity as CaCO3	EPA 310.1	General Chemistry	NELAP	2/13/2003
Alkalinity as CaCO3	SM 2320 B	General Chemistry	NELAP	4/27/2007
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
alpha-Chlordane	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
alpha-Terpineol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Aluminum	EPA 200.7	Metals	NELAP	4/4/2002
Aluminum	EPA 200.8	Metals	NELAP	6/6/2017
Aluminum	EPA 6010	Metals	NELAP	7/1/2003
Aluminum	EPA 6020	Metals	NELAP	6/6/2017
Ametryn	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
Aniline	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
Anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Antimony	EPA 200.7	Metals	NELAP	4/4/2002
Antimony	EPA 200.8	Metals	NELAP	12/8/2006
Antimony	EPA 6010	Metals	NELAP	7/1/2003
Antimony	EPA 6020	Metals	NELAP	12/8/2006
Aramite	EPA 8270	Extractable Organics	NELAP	7/1/2003
Aroclor-1016 (PCB-1016)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003

Laboratory Scope of Accreditation

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aroclor-1221 (PCB-1221)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1232 (PCB-1232)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1242 (PCB-1242)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1248 (PCB-1248)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1254 (PCB-1254)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1260 (PCB-1260)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1262 (PCB-1262)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/10/2011
Aroclor-1268 (PCB-1268)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/10/2011
Arsenic	EPA 200.7	Metals	NELAP	4/4/2002
Arsenic	EPA 200.8	Metals	NELAP	12/8/2006
Arsenic	EPA 6010	Metals	NELAP	4/4/2002
Arsenic	EPA 6020	Metals	NELAP	12/8/2006
Atrazine	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Atrazine	EPA 8270	Extractable Organics	NELAP	7/1/2018
Azinphos-methyl (Guthion)	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Barium	EPA 200.7	Metals	NELAP	4/4/2002
Barium	EPA 200.8	Metals	NELAP	12/8/2006
Barium	EPA 6010	Metals	NELAP	7/1/2003
Barium	EPA 6020	Metals	NELAP	12/8/2006
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	7/1/2018
Benzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Benzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(a)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(a)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(b)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benzo(g,h,i)perylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(k)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzoic acid	EPA 625.1	Extractable Organics	NELAP	7/12/2019
Benzoic acid	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	7/1/2003
Beryllium	EPA 200.7	Metals	NELAP	4/4/2002
Beryllium	EPA 200.8	Metals	NELAP	12/8/2006
Beryllium	EPA 6010	Metals	NELAP	7/1/2003
Beryllium	EPA 6020	Metals	NELAP	12/8/2006
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	2/13/2003
Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270	Extractable Organics	NELAP	7/1/2018
bis(2-Chloroethoxy)methane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	7/1/2003
bis(2-Chloroethyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
Boron	EPA 200.7	Metals	NELAP	1/21/2005
Boron	EPA 200.8	Metals	NELAP	7/12/2019
Boron	EPA 6010	Metals	NELAP	1/21/2005
Bromide	EPA 300.0	General Chemistry	NELAP	6/19/2020
Bromide	EPA 9056	General Chemistry	NELAP	6/19/2020
Bromobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromodichloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromoform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromoform	EPA 8260	Volatile Organics	NELAP	7/1/2003
Butyl benzyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Cadmium	EPA 200.7	Metals	NELAP	8/14/2002
Cadmium	EPA 200.8	Metals	NELAP	12/8/2006
Cadmium	EPA 6010	Metals	NELAP	8/14/2002
Cadmium	EPA 6020	Metals	NELAP	12/8/2006

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E82574
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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Calcium	EPA 200.7	Metals	NELAP	4/4/2002
Calcium	EPA 6010	Metals	NELAP	7/1/2003
Caprolactam	EPA 8270	Extractable Organics	NELAP	7/1/2018
Carbazole	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Carbazole	EPA 8270	Extractable Organics	NELAP	7/1/2003
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	7/1/2003
Carbon tetrachloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	2/13/2003
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	5/10/2011
Chlordane (tech.)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Chloride	EPA 300.0	General Chemistry	NELAP	5/10/2011
Chloride	EPA 9056	General Chemistry	NELAP	5/10/2011
Chlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chlorobenzilate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Chloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chloroform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroform	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chloroprene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chlorpyrifos	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Chlorpyrifos methyl	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Chromium	EPA 200.7	Metals	NELAP	4/4/2002
Chromium	EPA 200.8	Metals	NELAP	12/8/2006
Chromium	EPA 6010	Metals	NELAP	4/4/2002
Chromium	EPA 6020	Metals	NELAP	12/8/2006
Chromium VI	EPA 7196	Metals	NELAP	6/6/2017
Chromium VI	SM 3500-Cr D (18th/19th Ed.)/UV-VIS	General Chemistry	NELAP	4/17/2002
Chrysene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Chrysene	EPA 8270	Extractable Organics	NELAP	7/1/2003
cis-1,2-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	7/12/2019
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
cis-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
cis-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Cobalt	EPA 200.7	Metals	NELAP	4/4/2002
Cobalt	EPA 200.8	Metals	NELAP	12/8/2006
Cobalt	EPA 6010	Metals	NELAP	7/1/2003
Cobalt	EPA 6020	Metals	NELAP	12/8/2006
Color	EPA 110.2	General Chemistry	NELAP	2/13/2003
Color	SM 2120 B	General Chemistry	NELAP	4/27/2007
Conductivity	EPA 120.1	General Chemistry	NELAP	4/30/2008
Conductivity	EPA 9050	General Chemistry	NELAP	5/30/2006
Conductivity	SM 2510 B	General Chemistry	NELAP	4/27/2007
Copper	EPA 200.7	Metals	NELAP	4/4/2002
Copper	EPA 200.8	Metals	NELAP	12/8/2006
Copper	EPA 6010	Metals	NELAP	4/4/2002
Copper	EPA 6020	Metals	NELAP	12/8/2006
Corrosivity (langlier index)	SM 2330 B	General Chemistry	NELAP	4/27/2007
Corrosivity (pH)	EPA 9040	General Chemistry	NELAP	7/1/2003
Cyclohexane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Cyclohexanone	EPA 8260	Extractable Organics	NELAP	7/1/2018
Dalapon	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
delta-BHC	EPA 608.3	Extractable Organics	NELAP	1/22/2018
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Demeton	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Demeton-o	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Demeton-s	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Di(2-ethylhexyl) phthalate (DEHP)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di(2-ethylhexyl)adipate	EPA 8270	Volatile Organics	NELAP	6/19/2020
Diallate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Diazinon	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Dibenz(a,h)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibenz(a,j)acridine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibromochloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Dibromomethane	EPA 8260	Volatile Organics	NELAP	7/1/2003

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Dicamba	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Dichlorodifluoromethane	EPA 624.1	Volatile Organics	NELAP	6/19/2020
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Dichloroprop (Dichlorprop)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Dieldrin	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	7/1/2018
Diethyl ether	EPA 8260	Volatile Organics	NELAP	5/10/2011
Diethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dimethoate	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Dimethoate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dimethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di-n-butyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di-n-octyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Diphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Disulfoton	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Disulfoton	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
Endosulfan I	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endosulfan II	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endosulfan sulfate	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin aldehyde	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Enterococci	ENTEROLERT / QUANTI-TRAY	Microbiology	NELAP	7/1/2018

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	7/1/2018
Ethane	RSK-175	Volatile Organics	NELAP	2/18/2016
Ethanol	EPA 8015	Volatile Organics	NELAP	5/10/2011
Ethanol	EPA 8260	Volatile Organics	NELAP	8/3/2012
Ethion	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Ethoprop	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Ethyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Ethylbenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Ethylene	RSK-175	Volatile Organics	NELAP	2/18/2016
Ethylene glycol	EPA 8015	Volatile Organics	NELAP	10/26/2009
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Famphur	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Famphur	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	7/1/2018
Fecal coliforms	SM 9222 D	Microbiology	NELAP	7/12/2002
Fensulfothion	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fluorene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluorene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fluoride	EPA 300.0	General Chemistry	NELAP	5/10/2011
Fluoride	EPA 9056	General Chemistry	NELAP	5/10/2011
Fonophos	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
gamma-Chlordane	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Gasoline range organics (GRO)	EPA 8015	Volatile Organics	NELAP	5/4/2015
Hardness	SM 2340 B	Metals,General Chemistry	NELAP	12/8/2006
Heptachlor	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Heptachlor epoxide	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Hexachlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobenzene	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	6/19/2020
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachlorobutadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachlorocyclopentadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachloroethane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Ignitability	EPA 1020	General Chemistry	NELAP	6/6/2017
Indeno(1,2,3-cd)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Iron	EPA 200.7	Metals	NELAP	4/4/2002
Iron	EPA 200.8	Metals	NELAP	6/6/2017
Iron	EPA 6010	Metals	NELAP	7/1/2003
Iron	EPA 6020	Metals	NELAP	6/6/2017
Iron-(II) (Ferrous Iron)	SM 3500-Fe D (18th/19th Ed.)/UV-VIS	Metals	NELAP	10/26/2009
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015	Volatile Organics	NELAP	7/1/2003
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Isodrin	EPA 8270	Extractable Organics	NELAP	7/1/2003
Isophorone	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Isopropyl alcohol (2-Propanol)	EPA 8015	Volatile Organics	NELAP	5/10/2011
Isopropyl alcohol (2-Propanol)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Isosafrole	EPA 8270	Extractable Organics	NELAP	7/1/2003
Kepone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Lead	EPA 200.7	Metals	NELAP	4/4/2002
Lead	EPA 200.8	Metals	NELAP	12/8/2006

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Lead	EPA 6010	Metals	NELAP	4/4/2002
Lead	EPA 6020	Metals	NELAP	12/8/2006
Lithium	EPA 200.7	Metals	NELAP	6/6/2017
Lithium	EPA 6010	Metals	NELAP	6/6/2017
m+p-Xylenes	EPA 624.1	Volatile Organics	NELAP	6/19/2020
m+p-Xylenes	EPA 8260	Volatile Organics	NELAP	4/27/2007
Magnesium	EPA 200.7	Metals	NELAP	4/4/2002
Magnesium	EPA 6010	Metals	NELAP	7/1/2003
Malathion	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Manganese	EPA 200.7	Metals	NELAP	4/4/2002
Manganese	EPA 200.8	Metals	NELAP	12/8/2006
Manganese	EPA 6010	Metals	NELAP	7/1/2003
Manganese	EPA 6020	Metals	NELAP	12/8/2006
MCPA	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
MCPP	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Mercury	EPA 1631	Metals	NELAP	2/18/2016
Mercury	EPA 245.1	Metals	NELAP	4/4/2002
Mercury	EPA 7470	Metals	NELAP	4/4/2002
Merphos	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methane	RSK-175	Volatile Organics	NELAP	2/18/2016
Methanol	EPA 8015	Volatile Organics	NELAP	7/1/2003
Methapyrilene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methoxychlor	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Methyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2018
Methyl bromide (Bromomethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl chloride (Chloromethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methyl parathion (Parathion, methyl)	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Methyl parathion (Parathion, methyl)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methyl tert-butyl ether (MTBE)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	7/1/2003

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Methylcyclohexane	EPA 8260	Volatile Organics	NELAP	5/10/2011
Methylene chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methylene chloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Mevinphos	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Mirex	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	8/3/2012
Molybdenum	EPA 200.7	Metals	NELAP	4/4/2002
Molybdenum	EPA 200.8	Metals	NELAP	12/8/2006
Molybdenum	EPA 6010	Metals	NELAP	4/4/2002
Molybdenum	EPA 6020	Metals	NELAP	12/8/2006
m-Xylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Naphthalene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Naphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Naphthalene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Naphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Butyl alcohol	EPA 8015	Volatile Organics	NELAP	7/1/2003
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
n-Decane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nickel	EPA 200.7	Metals	NELAP	4/4/2002
Nickel	EPA 200.8	Metals	NELAP	12/8/2006
Nickel	EPA 6010	Metals	NELAP	4/4/2002
Nickel	EPA 6020	Metals	NELAP	12/8/2006
Nitrate	EPA 300.0	General Chemistry	NELAP	5/10/2011
Nitrate	EPA 9056	General Chemistry	NELAP	5/10/2011
Nitrite	EPA 300.0	General Chemistry	NELAP	5/10/2011
Nitrite	EPA 9056	General Chemistry	NELAP	5/10/2011
Nitrobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodimethylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodi-n-propylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodiphenylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Octadecane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
n-Propanol	EPA 8015	Volatile Organics	NELAP	5/4/2015
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
o,o,o-Triethyl phosphorothioate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Oil & Grease	EPA 1664A	General Chemistry	NELAP	4/4/2002
Oil & Grease	EPA 1664B	General Chemistry	NELAP	7/12/2019
Oil Range Organics (ORO)	AEL SOP SVOC-040 / GC-FID	Extractable Organics	NELAP	6/19/2020
Organic nitrogen	TKN minus AMMONIA	General Chemistry	NELAP	10/26/2009
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	5/10/2011
Orthophosphate as P	EPA 9056	General Chemistry	NELAP	5/10/2011
Orthophosphate as P	SM 4500-P E	General Chemistry	NELAP	6/6/2017
o-Toluidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
o-Xylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
o-Xylene	EPA 8260	Volatile Organics	NELAP	4/27/2007
Parathion, ethyl	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Parathion, ethyl	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pentachlorophenol	EPA 8151	Pesticides-Herbicides-PCB's,Volatile Organics	NELAP	12/3/2012
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoro-3-methoxypropanoic Acid (PFMPA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoro-4-methoxybutanoic Acid (PFMBA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorobutanoate (PFBA, Perfluorobutanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorodecane sulfonate (PFDS, perfluorodecane sulfonic acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorodecanoate (PFDA, Perfluorodecanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorononanesulfonate (PFNS, Perfluorononane sulfonic acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorononanoate (PFNA, Perfluorononanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorooctane sulfonamide (PFOSA)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorooctane Sulfonic Acid (PFOS, Perfluoro-octane Sulfonate)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoro-octanoate (PFOA, Perfluoro-octanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid)	AEL SOP-041 / LC-MS-MS	Extractable Organics	NELAP	6/19/2020
pH	EPA 150.1	General Chemistry	NELAP	12/8/2006
pH	EPA 9040	General Chemistry	NELAP	7/1/2003
pH	SM 4500-H B	General Chemistry	NELAP	4/27/2007
Phenacetin	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phenanthrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phorate	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Phorate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phosmet (Imidan)	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Potassium	EPA 200.7	Metals	NELAP	4/4/2002
Potassium	EPA 6010	Metals	NELAP	7/1/2003
Prometon	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
Prometryn	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Propazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Propylene Glycol	EPA 8015	Volatile Organics	NELAP	2/18/2016
p-Xylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pyridine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Residual Range Organics (RRO)	AEL SOP SVOC-040 / GC-FID	Extractable Organics	NELAP	6/19/2020
Residue-filterable (TDS)	EPA 160.1	General Chemistry	NELAP	4/4/2002
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	2/28/2008
Residue-nonfilterable (TSS)	EPA 160.2	General Chemistry	NELAP	4/4/2002
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	2/28/2008
Residue-settleable	EPA 160.5	General Chemistry	NELAP	1/21/2005
Residue-settleable	SM 2540 F	General Chemistry	NELAP	2/28/2008
Residue-total	EPA 160.3	General Chemistry	NELAP	2/13/2003
Residue-total	SM 2540 B	General Chemistry	NELAP	2/28/2008
Ronnel	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Safrole	EPA 8270	Extractable Organics	NELAP	7/1/2003
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Selenium	EPA 200.7	Metals	NELAP	4/4/2002
Selenium	EPA 200.8	Metals	NELAP	12/8/2006
Selenium	EPA 6010	Metals	NELAP	4/4/2002
Selenium	EPA 6020	Metals	NELAP	12/8/2006
Silica as SiO2	EPA 200.7	Metals	NELAP	1/21/2005
Silica as SiO2	EPA 6010	Metals	NELAP	10/26/2009
Silver	EPA 200.7	Metals	NELAP	5/8/2002
Silver	EPA 200.8	Metals	NELAP	12/8/2006
Silver	EPA 6010	Metals	NELAP	7/1/2003
Silver	EPA 6020	Metals	NELAP	12/8/2006
Silvex (2,4,5-TP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Simazine	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Simazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
Sodium	EPA 200.7	Metals	NELAP	4/4/2002

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	Method/Tech	Category	Certification Type	Effective Date
Sodium	EPA 6010	Metals	NELAP	7/1/2003
Strontium	EPA 200.7	Metals	NELAP	1/21/2005
Strontium	EPA 200.8	Metals	NELAP	7/12/2019
Strontium	EPA 6010	Metals	NELAP	4/30/2008
Strontium	EPA 6020	Metals	NELAP	7/12/2019
Styrene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Sulfate	EPA 300.0	General Chemistry	NELAP	7/18/2011
Sulfate	EPA 9056	General Chemistry	NELAP	5/10/2011
Sulfide	SM 4500-S D/UV-VIS	General Chemistry	NELAP	6/19/2020
Sulfotepp	EPA 8141	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Sulfotepp	EPA 8270	Extractable Organics	NELAP	7/1/2003
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Terbutryn	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/12/2019
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	10/26/2009
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Tetrahydrofuran (THF)	EPA 8260	Volatile Organics	NELAP	6/19/2020
Thallium	EPA 200.7	Metals	NELAP	2/13/2003
Thallium	EPA 200.8	Metals	NELAP	12/8/2006
Thallium	EPA 6010	Metals	NELAP	7/1/2003
Thallium	EPA 6020	Metals	NELAP	12/8/2006
Thionazin (Zinophos)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Thorium	EPA 200.8	Metals	NELAP	12/8/2006
Tin	EPA 200.7	Metals	NELAP	1/21/2005
Tin	EPA 200.8	Metals	NELAP	7/12/2019
Tin	EPA 6010	Metals	NELAP	7/1/2003
Tin	EPA 6020	Metals	NELAP	7/1/2018
Titanium	EPA 200.7	Metals	NELAP	1/21/2005
Titanium	EPA 200.8	Metals	NELAP	7/12/2019
Titanium	EPA 6010	Metals	NELAP	4/30/2008
Titanium	EPA 6020	Metals	NELAP	7/1/2018
Toluene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Toluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Total coliforms	SM 9222 B	Microbiology	NELAP	7/12/2002
Total hardness as CaCO3	SM 2340 B	General Chemistry	NELAP	4/30/2008

Laboratory Scope of Accreditation

Attachment to Certificate #: E82574-69, expiration date June 30, 2022. 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	Method/Tech	Category	Certification Type	Effective Date
Total nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	5/10/2011
Total nitrate-nitrite	EPA 9056	General Chemistry	NELAP	5/10/2011
Total Nitrogen	TKN + Total Nitrate-Nitrite	General Chemistry	NELAP	10/26/2009
Total organic halides (TOX)	EPA 9020	General Chemistry	NELAP	7/1/2018
Total Petroleum Hydrocarbons (TPH)	EPA 1664A	General Chemistry	NELAP	4/4/2002
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	7/1/2003
Total residual chlorine	SM 4500-Cl G	General Chemistry	NELAP	7/1/2018
Toxaphene (Chlorinated camphene)	EPA 608.3	Extractable Organics	NELAP	1/22/2018
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
trans-1,2-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
trans-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Trichloroethene (Trichloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Trichlorofluoromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Turbidity	EPA 180.1	General Chemistry	NELAP	2/13/2003
Turbidity	SM 2130 B	General Chemistry	NELAP	4/27/2007
Uranium (mass)	EPA 200.8	Metals	NELAP	12/8/2006
Uranium (mass)	EPA 6020	Metals	NELAP	7/1/2018
Vanadium	EPA 200.7	Metals	NELAP	4/4/2002
Vanadium	EPA 200.8	Metals	NELAP	4/16/2013
Vanadium	EPA 6010	Metals	NELAP	7/1/2003
Vanadium	EPA 6020	Metals	NELAP	4/16/2013
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Vinyl chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Xylene (total)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Xylene (total)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Zinc	EPA 200.7	Metals	NELAP	4/4/2002
Zinc	EPA 200.8	Metals	NELAP	12/8/2006
Zinc	EPA 6010	Metals	NELAP	4/4/2002
Zinc	EPA 6020	Metals	NELAP	12/8/2006

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

E82001

ADVANCED ENVIRONMENTAL LABORATORIES, INC. - GAINESVILLE
4965 SW 41ST BLVD.
GAINESVILLE, FL 32608

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

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY

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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82001-70-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E82001-70, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82001 EPA Lab Code: FL01280 (352) 377-2349

E82001
Advanced Environmental Laboratories, Inc. - Gainesville
4965 SW 41st Blvd.
Gainesville, FL 32608

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	4/1/2009
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Escherichia coli	SM 9223 B	Microbiology	NELAP	1/15/2014
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	9/15/2020
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	12/4/2015
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	9/15/2020
Nitrate	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	11/9/2018
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Nitrate-nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	11/9/2018
Nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	11/9/2018
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	8/29/2012
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
pH	EPA 150.1	Primary Inorganic Contaminants	NELAP	2/1/2007
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Residue-filterable (TDS)	EPA 160.1	Secondary Inorganic Contaminants	NELAP	4/1/2009
Residue-filterable (TDS)	SM 2540 C	Secondary Inorganic Contaminants	NELAP	4/1/2009
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	4/1/2009
Total coliforms	SM 9223 B	Microbiology	NELAP	1/15/2014
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	9/15/2020
Total cyanide	SM 4500-CN E	Primary Inorganic Contaminants	NELAP	11/9/2018
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	8/29/2012
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	11/9/2018

Laboratory Scope of Accreditation

Attachment to Certificate #: E82001-70, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82001 EPA Lab Code: FL01280 (352) 377-2349

E82001
Advanced Environmental Laboratories, Inc. - Gainesville
4965 SW 41st Blvd.
Gainesville, FL 32608

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Alkalinity as CaCO3	EPA 310.1	General Chemistry	NELAP	12/21/2001
Alkalinity as CaCO3	SM 2320 B	General Chemistry	NELAP	11/24/2008
Ammonia as N	EPA 350.1	General Chemistry	NELAP	12/21/2001
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	12/21/2001
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	12/21/2001
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	12/21/2001
Chloride	EPA 300.0	General Chemistry	NELAP	2/1/2007
Chlorophylls	SM 10200 H	General Chemistry	NELAP	12/21/2001
Chromium VI	SM 3500-Cr B (20th/21st/22nd Ed.)/UV-VIS	General Chemistry	NELAP	2/1/2007
Color	SM 2120 B	General Chemistry	NELAP	3/27/2013
Color	SM 2120 C	General Chemistry	NELAP	3/27/2013
Conductivity	EPA 120.1	General Chemistry	NELAP	3/18/2008
Cyanide	SM 4500-CN E	General Chemistry	NELAP	11/24/2008
Escherichia coli	EPA 1603	Microbiology	NELAP	3/31/2009
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	9/15/2020
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	9/15/2020
Fecal coliforms	SM 9221 E	Microbiology	NELAP	8/14/2014
Fluoride	EPA 300.0	General Chemistry	NELAP	2/1/2007
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	9/15/2020
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	12/21/2001
Nitrate	SM 4500-NO3 F	General Chemistry	NELAP	11/9/2018
Nitrate as N	EPA 300.0	General Chemistry	NELAP	2/1/2007
Nitrate-nitrite	EPA 353.2	General Chemistry	NELAP	12/21/2001
Nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	11/24/2008
Nitrite	SM 4500-NO3 F	General Chemistry	NELAP	11/9/2018
Nitrite as N	EPA 300.0	General Chemistry	NELAP	2/1/2007
Organic nitrogen	TKN minus AMMONIA	General Chemistry	NELAP	12/21/2001
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	2/1/2007
Orthophosphate as P	SM 4500-P E	General Chemistry	NELAP	11/24/2008
pH	EPA 150.1	General Chemistry	NELAP	12/21/2001
pH	EPA 9040	General Chemistry	NELAP	7/1/2003
pH	SM 4500-H+-B	General Chemistry	NELAP	11/24/2008
Phosphorus, total	EPA 365.3	General Chemistry	NELAP	7/12/2019
Phosphorus, total	EPA 365.4	General Chemistry	NELAP	8/14/2014

Laboratory Scope of Accreditation

Attachment to Certificate #: E82001-70, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82001 EPA Lab Code: FL01280 (352) 377-2349

E82001
Advanced Environmental Laboratories, Inc. - Gainesville
4965 SW 41st Blvd.
Gainesville, FL 32608

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Residue-filterable (TDS)	EPA 160.1	General Chemistry	NELAP	12/21/2001
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	11/24/2008
Residue-nonfilterable (TSS)	EPA 160.2	General Chemistry	NELAP	12/21/2001
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	12/21/2001
Residue-total	EPA 160.3	General Chemistry	NELAP	12/21/2001
Residue-total	SM 2540 B	General Chemistry	NELAP	12/21/2001
Residue-volatile	EPA 160.4	General Chemistry	NELAP	12/21/2001
Residue-volatile	SM 2540 E	General Chemistry	NELAP	12/21/2001
Salinity	SM 2520 B	General Chemistry	NELAP	8/14/2014
Sulfate	EPA 300.0	General Chemistry	NELAP	3/31/2009
Surfactants - MBAS	EPA 425.1	General Chemistry	NELAP	3/31/2009
Surfactants - MBAS	SM 5540 C	General Chemistry	NELAP	3/31/2009
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	9/15/2020
Total cyanide	EPA 9010/9014	General Chemistry	NELAP	7/1/2003
Total nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	2/1/2007
Total nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	11/9/2018
Total Nitrogen	TKN + Total Nitrate-Nitrite	General Chemistry	NELAP	3/31/2009
Total organic carbon	EPA 415.1	General Chemistry	NELAP	12/21/2001
Total organic carbon	SM 5310 B	General Chemistry	NELAP	11/24/2008
Turbidity	EPA 180.1	General Chemistry	NELAP	12/21/2001
Un-Ionized Ammonia	DEP SOP 10/03/83	General Chemistry	NELAP	12/21/2001

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

E84589

ADVANCED ENVIRONMENTAL LABORATORIES, INC. - TAMPA
9610 PRINCESS PALM AVENUE
TAMPA, FL 33619

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 - MICROBIOLOGY, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, 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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E84589-67-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,1,2-Trichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,1-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2,4-Trichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	Group II Unregulated Contaminants	NELAP	5/25/2012
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	Group II Unregulated Contaminants	NELAP	5/25/2012
1,2-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2-Dichloroethane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,2-Dichloropropane	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
1,4-Dichlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Acetone	EPA 524.2	Group II Unregulated Contaminants	NELAP	1/11/2021
Alkalinity as CaCO3	SM 2320 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Aluminum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Amenable cyanide	SM 4500-CN- G	Primary Inorganic Contaminants	NELAP	10/11/2002
Ammonia as N	EPA 350.1	Secondary Inorganic Contaminants	NELAP	10/5/2009
Antimony	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Barium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Benzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Beryllium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Boron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Bromate	EPA 300.1	Primary Inorganic Contaminants	NELAP	2/10/2005
Bromide	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/14/2017
Bromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Bromochloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Bromodichloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Bromoform	EPA 524.2	Group II Unregulated Contaminants	NELAP	10/5/2009
Cadmium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Calcium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Carbon tetrachloride	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Chlorate	EPA 300.1	Secondary Inorganic Contaminants	NELAP	2/14/2017
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	10/11/2002
Chloride	SM 4500-Cl^- E	Secondary Inorganic Contaminants	NELAP	10/11/2002
Chlorite	EPA 300.1	Primary Inorganic Contaminants	NELAP	2/14/2017
Chloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Chlorobenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Chloroform	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/24/2020

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Tampa, FL 33619

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chromium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
cis-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	10/5/2009
Color	SM 2120 C	Secondary Inorganic Contaminants	NELAP	1/11/2021
Conductivity	SM 2510 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Copper	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Copper	SM 3113 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Cyanide	SM 4500-CN E	Primary Inorganic Contaminants	NELAP	4/10/2019
Dibromoacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Dibromochloromethane	EPA 524.2	Group II Unregulated Contaminants	NELAP	9/24/2020
Dichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Dissolved organic carbon (DOC)	SM 5310 B	Primary Inorganic Contaminants	NELAP	1/28/2013
Escherichia coli	SM 9221 F	Microbiology	NELAP	5/25/2012
Escherichia coli	SM 9223 B	Microbiology	NELAP	2/14/2003
Ethylbenzene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Fluoride	SM 4500 F-C	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	NELAP	10/11/2002
Hardness	SM 2340 B	Secondary Inorganic Contaminants	NELAP	2/14/2017
Hardness	SM 2340 C	Secondary Inorganic Contaminants	NELAP	10/5/2009
Hardness (calc.)	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/14/2017
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	4/24/2019
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/11/2002
Iron	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Lead	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Lead	SM 3113 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Magnesium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Manganese	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Mercury	EPA 245.1	Primary Inorganic Contaminants	NELAP	10/5/2009
Methylene chloride	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Molybdenum	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Nickel	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Nitrate	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrate	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	3/11/2020
Nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002

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Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	10/11/2002
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	10/11/2002
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Orthophosphate as P	EPA 365.1	Primary Inorganic Contaminants	NELAP	10/11/2002
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	10/5/2009
Phosphorus, total	EPA 365.4	Secondary Inorganic Contaminants	NELAP	10/5/2009
Potassium	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Residue-filterable (TDS)	SM 2540 C	Secondary Inorganic Contaminants	NELAP	10/5/2009
Silica as SiO2	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/14/2017
Silver	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015
Sodium	EPA 200.7	Primary Inorganic Contaminants	NELAP	2/10/2015
Styrene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	10/11/2002
Sulfide	SM 4500-S D/UV-VIS	Secondary Inorganic Contaminants	NELAP	10/5/2009
Tetrachloroethylene (Perchloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Toluene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Total coliforms	SM 9222 B	Microbiology	NELAP	2/14/2003
Total coliforms	SM 9223 B	Microbiology	NELAP	2/14/2003
Total haloacetic acids (HAA5)	EPA 552.2	Synthetic Organic Contaminants	NELAP	10/5/2009
Total nitrate-nitrite	SM 4500-NO3 F	Primary Inorganic Contaminants	NELAP	10/11/2002
Total organic carbon	SM 5310 B	Primary Inorganic Contaminants	NELAP	10/11/2002
Total trihalomethanes	EPA 524.2	Other Regulated Contaminants	NELAP	10/5/2009
trans-1,2-Dichloroethylene	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Trichloroacetic acid	EPA 552.2	Group I Unregulated Contaminants	NELAP	10/5/2009
Trichloroethene (Trichloroethylene)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	10/11/2002
UV 254	SM 5910 B	Primary Inorganic Contaminants	NELAP	10/5/2009
Vinyl chloride	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Xylene (total)	EPA 524.2	Other Regulated Contaminants	NELAP	5/25/2012
Zinc	EPA 200.7	Secondary Inorganic Contaminants	NELAP	2/10/2015

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E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,1-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2,2-Tetrachloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	1/11/2021
1,1,2-Trichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	Volatile Organics	NELAP	10/16/2014
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	Volatile Organics	NELAP	10/16/2014
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2-Dichloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Dichloropropane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,2-Diphenylhydrazine	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,2-Diphenylhydrazine (as Azobenzene)	EPA 625.1	Extractable Organics	NELAP	4/24/2019
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	1/11/2021
1,3-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018

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E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	1/11/2021
1,4-Dichlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	2/14/2017
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270	Extractable Organics	NELAP	1/11/2021
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	1/11/2021
1,4-Phenylenediamine	EPA 8270	Extractable Organics	NELAP	1/11/2021
1-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	1/11/2021
1-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	10/26/2009
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,3-Dichloroaniline	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4,6-Trichlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dichlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dimethylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	1/11/2021

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloroethyl vinyl ether	EPA 624.1	Volatile Organics	NELAP	1/22/2018
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Chloronaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Hexanone	EPA 8260	Volatile Organics	NELAP	10/26/2009
2-Methyl-4,6-dinitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Methylnaphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Methylphenol (o-Cresol)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
2-Nitropropane	EPA 8260	Volatile Organics	NELAP	1/11/2021
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3,3'-Dichlorobenzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	1/11/2021
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	10/26/2009
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	4/24/2019
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4,4'-DDD	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDE	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4,4'-DDT	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Bromophenyl phenyl ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	10/26/2009

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
4-Chloro-3-methylphenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	4/24/2019
4-Chlorophenyl phenylether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	10/26/2009
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Nitrophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
4-Nitroquinoline 1-oxide	EPA 8270	Extractable Organics	NELAP	1/11/2021
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	1/11/2021
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acenaphthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acenaphthylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acetone	EPA 624.1	Volatile Organics	NELAP	1/11/2021
Acetone	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acetonitrile	EPA 8260	Volatile Organics	NELAP	2/14/2017
Acetophenone	EPA 625.1	Extractable Organics	NELAP	4/24/2019
Acetophenone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Acidity, as CaCO3	SM 2310 B	General Chemistry	NELAP	1/11/2021
Acrolein (Propenal)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Acrylonitrile	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	10/26/2009
Aldrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Alkalinity as CaCO3	SM 2320 B	General Chemistry	NELAP	7/10/2009
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	2/14/2017
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
alpha-Terpineol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Aluminum	EPA 200.7	Metals	NELAP	10/5/2009
Aluminum	EPA 6010	Metals	NELAP	10/5/2009
Amenable cyanide	SM 4500-CN- G	General Chemistry	NELAP	10/11/2002
Ammonia as N	EPA 350.1	General Chemistry	NELAP	10/11/2002
Aniline	EPA 625.1	Extractable Organics	NELAP	4/24/2019
Aniline	EPA 8270	Extractable Organics	NELAP	10/26/2009
Anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Antimony	EPA 200.7	Metals	NELAP	10/5/2009
Antimony	EPA 6010	Metals	NELAP	10/5/2009
Aramite	EPA 8270	Extractable Organics	NELAP	1/11/2021
Aroclor-1016 (PCB-1016)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1221 (PCB-1221)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1232 (PCB-1232)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1242 (PCB-1242)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1248 (PCB-1248)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1254 (PCB-1254)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Aroclor-1260 (PCB-1260)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Arsenic	EPA 200.7	Metals	NELAP	10/5/2009
Arsenic	EPA 200.9	Metals	NELAP	4/24/2019
Arsenic	EPA 6010	Metals	NELAP	10/5/2009
Atrazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Barium	EPA 200.7	Metals	NELAP	10/5/2009
Barium	EPA 6010	Metals	NELAP	10/5/2009
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	1/11/2021
Benzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Benzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Benzidine	EPA 625.1	Extractable Organics	NELAP	1/22/2018

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Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benzidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(a)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(b)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(g,h,i)perylene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzo(k)fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzoic acid	EPA 8270	Extractable Organics	NELAP	10/26/2009
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Beryllium	EPA 200.7	Metals	NELAP	10/5/2009
Beryllium	EPA 6010	Metals	NELAP	10/5/2009
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	10/11/2002
Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270	Extractable Organics	NELAP	1/11/2021
bis(2-Chloroethoxy)methane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	10/26/2009
bis(2-Chloroethyl) ether	EPA 625.1	Extractable Organics	NELAP	1/22/2018
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	10/26/2009
Boron	EPA 200.7	Metals	NELAP	10/5/2009
Boron	EPA 6010	Metals	NELAP	10/5/2009
Bromate	EPA 300.1	General Chemistry	NELAP	2/10/2005
Bromide	EPA 300.0	General Chemistry	NELAP	10/11/2002
Bromobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromodichloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Bromoform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Bromoform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Butyl benzyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Cadmium	EPA 200.7	Metals	NELAP	10/5/2009

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Cadmium	EPA 6010	Metals	NELAP	10/5/2009
Calcium	EPA 200.7	Metals	NELAP	10/5/2009
Calcium	EPA 6010	Metals	NELAP	10/5/2009
Caprolactam	EPA 8270	Extractable Organics	NELAP	1/11/2021
Carbazole	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Carbazole	EPA 8270	Extractable Organics	NELAP	10/26/2009
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	10/26/2009
Carbon tetrachloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	10/11/2002
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	10/11/2002
Chlorate	EPA 300.1	General Chemistry	NELAP	2/14/2017
Chlordane (tech.)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Chloride	EPA 300.0	General Chemistry	NELAP	10/11/2002
Chloride	SM 4500-Cl^- E	General Chemistry	NELAP	7/10/2009
Chlorite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Chlorite	EPA 300.1	General Chemistry	NELAP	2/14/2017
Chlorobenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chlorobenzilate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Chloroethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroform	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Chloroform	EPA 8260	Volatile Organics	NELAP	10/26/2009
Chloroprene	EPA 8260	Volatile Organics	NELAP	2/14/2017
Chromium	EPA 200.7	Metals	NELAP	10/5/2009
Chromium	EPA 6010	Metals	NELAP	10/5/2009
Chromium VI	SM 3500-Cr D (18th/19th Ed.)/UV-VIS	General Chemistry	NELAP	10/11/2002
Chrysene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Chrysene	EPA 8270	Extractable Organics	NELAP	10/26/2009
cis-1,2-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/11/2021
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
cis-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
cis-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	1/11/2021

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Cobalt	EPA 200.7	Metals	NELAP	10/5/2009
Cobalt	EPA 6010	Metals	NELAP	10/5/2009
Color	SM 2120 B	General Chemistry	NELAP	10/11/2002
Color	SM 2120 C	General Chemistry	NELAP	1/11/2021
Conductivity	EPA 120.1	General Chemistry	NELAP	10/11/2002
Conductivity	SM 2510 B	General Chemistry	NELAP	4/24/2019
Copper	EPA 200.7	Metals	NELAP	10/5/2009
Copper	EPA 200.9	Metals	NELAP	5/25/2012
Copper	EPA 6010	Metals	NELAP	10/5/2009
Cyanide	SM 4500-CN E	General Chemistry	NELAP	10/11/2002
Cyclohexane	EPA 8260	Volatile Organics	NELAP	1/11/2021
Cyclohexanone	EPA 8260	Volatile Organics	NELAP	1/11/2021
delta-BHC	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Di(2-ethylhexyl) phthalate (DEHP)	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Diallate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Dibenz(a,h)anthracene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibenz(a,j)acridine	EPA 8270	Extractable Organics	NELAP	1/11/2021
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dibromochloromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dibromomethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Dieldrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	1/11/2021
Diethyl ether	EPA 8260	Volatile Organics	NELAP	1/11/2021
Diethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-isopropylether (DIPE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Dimethoate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Dimethyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-butyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Di-n-octyl phthalate	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Diphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Dissolved organic carbon (DOC)	SM 5310 B	General Chemistry	NELAP	10/5/2009
Disulfoton	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Endosulfan I	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endosulfan II	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endosulfan sulfate	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin aldehyde	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Enterococci	ENTEROLERT / QUANTI-TRAY	Microbiology	NELAP	4/24/2019
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	4/24/2019
Ethanol	EPA 8260	Volatile Organics	NELAP	5/25/2012
Ethyl acetate	EPA 8260	Volatile Organics	NELAP	1/11/2021
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Ethylbenzene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	5/25/2012
Famphur	EPA 8270	Extractable Organics	NELAP	1/11/2021
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	4/24/2019
Fecal coliforms	SM 9222 D	Microbiology	NELAP	10/11/2002
Fluoranthene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluoranthene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluorene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Fluorene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Fluoride	EPA 300.0	General Chemistry	NELAP	5/1/2003

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Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Fluoride	SM 4500 F-C	General Chemistry	NELAP	5/1/2003
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Hardness	SM 2340 B	General Chemistry	NELAP	10/5/2009
Hardness (calc.)	EPA 200.7	Metals	NELAP	10/5/2009
Heptachlor	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heptachlor epoxide	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Heterotrophic plate count	SIMPLATE	Microbiology	NELAP	4/24/2019
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/5/2009
Hexachlorobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachlorocyclopentadiene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachloroethane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	10/26/2009
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	1/11/2021
Indeno(1,2,3-cd)pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Iron	EPA 200.7	Metals	NELAP	10/5/2009
Iron	EPA 6010	Metals	NELAP	10/5/2009
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	2/14/2017
Isodrin	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Isophorone	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Isophorone	EPA 8270	Extractable Organics	NELAP	10/26/2009
Isopropyl alcohol (2-Propanol)	EPA 8260	Volatile Organics	NELAP	1/11/2021
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Isosafrole	EPA 8270	Extractable Organics	NELAP	1/11/2021
Kepone	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	4/7/2003
Lead	EPA 200.7	Metals	NELAP	10/5/2009
Lead	EPA 6010	Metals	NELAP	10/5/2009
m+p-Xylenes	EPA 624.1	Volatile Organics	NELAP	1/22/2018
m+p-Xylenes	EPA 8260	Volatile Organics	NELAP	10/26/2009
Magnesium	EPA 200.7	Metals	NELAP	10/5/2009
Magnesium	EPA 6010	Metals	NELAP	10/5/2009
Manganese	EPA 200.7	Metals	NELAP	10/5/2009
Manganese	EPA 6010	Metals	NELAP	10/5/2009
Mercury	EPA 245.1	Metals	NELAP	10/16/2015
Mercury	EPA 7470	Metals	NELAP	10/16/2015
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	1/11/2021
Methapyrilene	EPA 8270	Extractable Organics	NELAP	1/11/2021
Methoxychlor	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
Methyl acetate	EPA 8260	Volatile Organics	NELAP	1/11/2021
Methyl bromide (Bromomethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl chloride (Chloromethane)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	2/14/2017
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	10/26/2009
Methyl parathion (Parathion, methyl)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Methyl tert-butyl ether (MTBE)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Methylcyclohexane	EPA 8260	Volatile Organics	NELAP	1/11/2021
Methylene chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Methylene chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Molybdenum	EPA 200.7	Metals	NELAP	10/5/2009
Molybdenum	EPA 6010	Metals	NELAP	10/5/2009
Naphthalene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Naphthalene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Naphthalene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Naphthalene	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
n-Decane	EPA 625.1	Extractable Organics	NELAP	1/22/2018

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Nickel	EPA 200.7	Metals	NELAP	10/5/2009
Nickel	EPA 200.9	Metals	NELAP	5/25/2012
Nickel	EPA 6010	Metals	NELAP	10/5/2009
Nitrate	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrate as N	SM 4500-NO3 F	General Chemistry	NELAP	10/11/2002
Nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	10/11/2002
Nitrite	EPA 300.0	General Chemistry	NELAP	10/11/2002
Nitrite	SM 4500-NO3 F	General Chemistry	NELAP	10/5/2009
Nitrobenzene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	1/11/2021
n-Nitrosodimethylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodi-n-propylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosodiphenylamine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	1/11/2021
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	1/11/2021
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	10/26/2009
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	1/11/2021
n-Octadecane	EPA 625.1	Extractable Organics	NELAP	1/22/2018
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
o,o,o-Triethyl phosphorothioate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Odor	SM 2150 B	General Chemistry	NELAP	10/5/2009
Organic nitrogen	EPA 351.2 - EPA 350.1	General Chemistry	NELAP	4/7/2003
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	10/11/2002
Orthophosphate as P	EPA 365.1	General Chemistry	NELAP	10/11/2002
o-Toluidine	EPA 8270	Extractable Organics	NELAP	1/11/2021
o-Xylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
o-Xylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Parathion, ethyl	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachloroethane	EPA 8260	Volatile Organics	NELAP	1/11/2021

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pentachlorophenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
pH	SM 4500-H+-B	General Chemistry	NELAP	7/10/2009
Phenacetin	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenanthrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenanthrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phenol	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Phenol	EPA 8270	Extractable Organics	NELAP	10/26/2009
Phorate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Phosphorus, total	EPA 365.4	General Chemistry	NELAP	10/11/2002
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Potassium	EPA 200.7	Metals	NELAP	10/5/2009
Potassium	EPA 6010	Metals	NELAP	10/5/2009
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	10/26/2009
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	2/14/2017
Pyrene	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyrene	EPA 8270	Extractable Organics	NELAP	10/26/2009
Pyridine	EPA 625.1	Extractable Organics	NELAP	1/22/2018
Pyridine	EPA 8270	Extractable Organics	NELAP	10/26/2009
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	7/10/2009
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	7/10/2009
Residue-settleable	SM 2540 F	General Chemistry	NELAP	1/11/2021
Residue-total	SM 2540 B	General Chemistry	NELAP	7/10/2009
Residue-volatile	SM 2540 E (17th ed.)	General Chemistry	NELAP	10/5/2009
Residue-volatile	SM 2540 G	General Chemistry	NELAP	5/25/2012
Safrole	EPA 8270	Extractable Organics	NELAP	1/11/2021
Salinity	SM 2520 B	General Chemistry	NELAP	10/5/2009
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Selenium	EPA 200.7	Metals	NELAP	10/5/2009
Selenium	EPA 6010	Metals	NELAP	10/5/2009
Silica as SiO2	EPA 200.7	Metals	NELAP	4/24/2019
Silica as SiO2	EPA 6010	Metals	NELAP	1/11/2021
Silver	EPA 200.7	Metals	NELAP	2/24/2015
Silver	EPA 6010	Metals	NELAP	2/24/2015
Sodium	EPA 200.7	Metals	NELAP	8/6/2013

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Sodium	EPA 6010	Metals	NELAP	8/6/2013
Strontium	EPA 200.7	Metals	NELAP	10/5/2009
Strontium	EPA 6010	Metals	NELAP	10/5/2009
Styrene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Sulfate	EPA 300.0	General Chemistry	NELAP	10/11/2002
Sulfide	SM 4500-S D/UV-VIS	General Chemistry	NELAP	4/28/2017
Sulfotepp	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	5/25/2012
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Tetrachloroethylene (Perchloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Thallium	EPA 200.7	Metals	NELAP	10/5/2009
Thallium	EPA 6010	Metals	NELAP	10/5/2009
Thionazin (Zinophos)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	1/11/2021
Tin	EPA 200.7	Metals	NELAP	10/5/2009
Tin	EPA 6010	Metals	NELAP	10/5/2009
Titanium	EPA 200.7	Metals	NELAP	10/5/2009
Titanium	EPA 6010	Metals	NELAP	10/5/2009
Toluene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Toluene	EPA 8260	Volatile Organics	NELAP	10/26/2009
Total coliforms	SM 9222 B	Microbiology	NELAP	10/11/2002
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	1/11/2021
Total hardness as CaCO3	SM 2340 C	General Chemistry	NELAP	10/11/2002
Total Nitrogen	TKN + Total Nitrate-Nitrite	General Chemistry	NELAP	10/5/2009
Total organic carbon	SM 5310 B	General Chemistry	NELAP	7/10/2009
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	10/26/2009
Total phenolics	EPA 420.4	General Chemistry	NELAP	7/10/2009
Total, fixed, and volatile residue	SM 2540 G	General Chemistry	NELAP	5/25/2012
Toxaphene (Chlorinated camphene)	EPA 608.3	Pesticides-Herbicides-PCB's	NELAP	1/22/2018
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	10/26/2009
trans-1,2-Dichloroethylene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,3-Dichloropropene	EPA 624.1	Volatile Organics	NELAP	1/22/2018
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	10/26/2009
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	5/25/2012

Laboratory Scope of Accreditation

Attachment to Certificate #: E84589-67, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84589 EPA Lab Code: FL01092 (813) 630-9616

E84589
Advanced Environmental Laboratories, Inc. - Tampa
9610 Princess Palm Avenue
Tampa, FL 33619

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Trichloroethene (Trichloroethylene)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Trichlorofluoromethane	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	10/26/2009
Turbidity	EPA 180.1	General Chemistry	NELAP	10/11/2002
Un-Ionized Ammonia	DEP SOP 10/03/83	General Chemistry	NELAP	10/11/2002
UV 254	SM 5910 B	General Chemistry	NELAP	10/5/2009
Vanadium	EPA 200.7	Metals	NELAP	10/5/2009
Vanadium	EPA 6010	Metals	NELAP	10/5/2009
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	10/26/2009
Vinyl chloride	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	10/26/2009
Xylene (total)	EPA 624.1	Volatile Organics	NELAP	1/22/2018
Xylene (total)	EPA 8260	Volatile Organics	NELAP	10/26/2009
Zinc	EPA 200.7	Metals	NELAP	10/5/2009
Zinc	EPA 6010	Metals	NELAP	10/5/2009

Subconsultants

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

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

E84025

KNL ENVIRONMENTAL TESTING
3202 N. FLORIDA AVE.
TAMPA, FL 33603

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

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - RADIOCHEMISTRY, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - RADIOCHEMISTRY

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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E84025-55-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E84025-55, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84025 EPA Lab Code: FL00117 (813) 229-2879

E84025
KNL Environmental Testing
3202 N. Florida Ave.
Tampa, FL 33603

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Escherichia coli	SM 9223 B	Microbiology	NELAP	5/24/2010
Gross Alpha	EPA 00-02	Radiochemistry	NELAP	6/15/2007
Gross Alpha	EPA 900.0	Radiochemistry	NELAP	7/1/2001
Gross Alpha	NJ ECLS-R-GA Rev.8	Radiochemistry	NELAP	8/4/2016
Gross Beta	EPA 900.0	Radiochemistry	NELAP	7/1/2001
Radium-226	EPA 903.0	Radiochemistry	NELAP	1/28/2020
Radium-226	EPA 903.1	Radiochemistry	NELAP	1/28/2020
Radium-228	EPA Ra-05	Radiochemistry	NELAP	7/1/2001
Total coliforms	SM 9223 B	Microbiology	NELAP	5/24/2010
Uranium (activity)	EPA 908.0	Radiochemistry	NELAP	7/1/2001

Laboratory Scope of Accreditation

Attachment to Certificate #: E84025-55, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E84025 EPA Lab Code: FL00117 (813) 229-2879

E84025
KNL Environmental Testing
3202 N. Florida Ave.
Tampa, FL 33603

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	7/1/2018
Gross Alpha	EPA 900.0	Radiochemistry	NELAP	7/1/2001
Gross Beta	EPA 900.0	Radiochemistry	NELAP	7/1/2001
Radium-226	EPA 903.1	Radiochemistry	NELAP	7/1/2001
Total radium	EPA 903.0	Radiochemistry	NELAP	7/1/2001

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

E87804

EMSL ANALYTICAL, INC. - ORLANDO
3303 PARKWAY CENTER COURT
ORLANDO, FL 32808

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

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - METALS

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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87804-25-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E87804-25, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87804 EPA Lab Code: FL01176 (407) 599-5887

E87804
EMSL Analytical, Inc. - Orlando
3303 Parkway Center Court
Orlando, FL 32808

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2018
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Asbestos	EPA 100.2	Primary Inorganic Contaminants	NELAP	10/19/2001
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	7/1/2018
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Copper	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Escherichia coli	SM 9223 B	Microbiology	NELAP	7/1/2018
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	7/1/2018
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	7/1/2018
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Manganese	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2018
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	7/1/2018
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	7/1/2018
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	7/1/2018
pH	EPA 150.1	Secondary Inorganic Contaminants	NELAP	7/1/2018
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	7/1/2018
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Silver	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2018
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	7/1/2018
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/1/2018
Total coliforms	SM 9223 B	Microbiology	NELAP	7/1/2018
Turbidity	EPA 180.1	Secondary Inorganic Contaminants	NELAP	7/1/2018
Zinc	EPA 200.8	Secondary Inorganic Contaminants	NELAP	7/1/2018

Laboratory Scope of Accreditation

Attachment to Certificate #: E87804-25, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87804 EPA Lab Code: FL01176 (407) 599-5887

E87804
EMSL Analytical, Inc. - Orlando
3303 Parkway Center Court
Orlando, FL 32808

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Arsenic	EPA 200.8	Metals	NELAP	7/1/2018
Copper	EPA 200.8	Metals	NELAP	7/1/2018
Iron	EPA 200.8	Metals	NELAP	7/1/2018

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

E82924

BCS LABORATORIES, INC. - GAINESVILLE
4609 NW 6TH STREET, BUILDING A
GAINESVILLE, FL 32609

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

DRINKING WATER - MICROBIOLOGY, NON-POTABLE WATER - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY

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, 2021 Expiration Date: June 30, 2022

Patty A. Lewandowski, MBA, MT(ASCP)
Chief Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82924-32-07/01/2021
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E82924-32, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82924 EPA Lab Code: FL01147 (352) 377-9272

E82924
BCS Laboratories, Inc. - Gainesville
4609 NW 6th Street, Building A
Gainesville, FL 32609

Matrix: Drinking Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Coliphage Assay	BCS SOP V-10 (2-step)	Microbiology	NELAP	10/29/2012
Coliphage Assay	BCS SOP V-10 (single-agar-layer)	Microbiology	NELAP	10/29/2012
Cryptosporidium	EPA 1623.1	Microbiology	NELAP	5/18/2015
Enteric viruses	EPA/600/R-95/178, s. VIII	Microbiology	NELAP	7/1/2004
Enterococci	EPA 1600	Microbiology	NELAP	5/18/2015
Escherichia coli	BCS SOP B-2 EPA1603	Microbiology	NELAP	5/9/2011
Escherichia coli	SM 9222 G	Microbiology	NELAP	2/1/2018
Escherichia coli	SM 9223 B	Microbiology	NELAP	5/18/2015
Giardia	EPA 1623.1	Microbiology	NELAP	5/18/2015
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/29/2012
Heterotrophic plate count	SM 9215 C	Microbiology	NELAP	10/29/2012
Total coliforms	SM 9222 B	Microbiology	NELAP	10/29/2012
Total coliforms	SM 9223 B	Microbiology	NELAP	5/18/2015

Laboratory Scope of Accreditation

Attachment to Certificate #: E82924-32, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82924 EPA Lab Code: FL01147 (352) 377-9272

E82924
BCS Laboratories, Inc. - Gainesville
4609 NW 6th Street, Building A
Gainesville, FL 32609

Matrix: Non-Potable Water

Analyte	Method/Tech	Category	Certification Type	Effective Date
Cryptosporidium	EPA 1623.1	Microbiology	NELAP	5/18/2015
Enteric viruses	ASTM D4994-89/SM 9510 G	Microbiology	NELAP	7/1/2004
Enteric viruses	EPA/600/R-95/178, s. VIII	Microbiology	NELAP	7/19/2006
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	7/1/2019
Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	Microbiology	NELAP	5/18/2015
Giardia	EPA 1623.1	Microbiology	NELAP	5/18/2015
Helminth ova	EPA 600/1-87-014	Microbiology	NELAP	2/15/2007
Heterotrophic plate count	SM 9215 B	Microbiology	NELAP	10/29/2012
Heterotrophic plate count	SM 9215 C	Microbiology	NELAP	10/29/2012
Total coliforms	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	7/1/2019

Laboratory Scope of Accreditation

Attachment to Certificate #: E82924-32, expiration date June 30, 2022. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E82924 EPA Lab Code: FL01147 (352) 377-9272

E82924
BCS Laboratories, Inc. - Gainesville
4609 NW 6th Street, Building A
Gainesville, FL 32609

Matrix: Solid and Chemical Materials

Analyte	Method/Tech	Category	Certification Type	Effective Date
Coliphage Assay	BCS SOP V-11 (single-agar-layer)	Microbiology	NELAP	10/29/2012
Enteric viruses	ASTM D4994-89	Microbiology	NELAP	7/19/2006
Fecal coliforms	EPA 1681	Microbiology	NELAP	3/15/2009
Fecal coliforms	SM 9221 E	Microbiology	NELAP	3/15/2009
Helminth ova	EPA 600/1-87-014	Microbiology	NELAP	2/15/2007
Helminth ova	EPA/625/R-92/013 Appendix I	Microbiology	NELAP	4/13/2011
Heterotrophic plate count	BCS SOP M-7 (MF)	Microbiology	NELAP	10/29/2012
Heterotrophic plate count	BCS SOP M-7 (pour-plate)	Microbiology	NELAP	10/29/2012
Heterotrophic plate count	BCS SOP M-7 (spread-plate)	Microbiology	NELAP	10/29/2012
Salmonella	EPA 1682	Microbiology	NELAP	10/29/2012

Appendix B

NELAC Audit

STATE OF FLORIDA DEPARTMENT OF HEALTH

STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING

LABORATORY:	LAB I.D. NO.:	DATE SURVEY COMPLETED:	SURVEYOR:
Advanced Environmental Laboratories, Inc.	E82574	March 15 – 17, 2021	Maurice A. Downer

PARAMETERS SURVEYED: Drinking Water - Group I Unregulated contaminants, Group II Unregulated contaminants, Group III Unregulated contaminants, Microbiology, Other Regulated contaminants, Primary Inorganic contaminants, Secondary Inorganic contaminants, Radiochemistry, Synthetic organic contaminants; Non-Potable Water – Extractable Organics, General Chemistry, Metal, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organics; Solid and Chemical Materials – Extractable Organics, General Chemistry; Metals, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organic

(1) I.D. PREFIX TAG	(2) SUMMARY STATEMENT OF DEFICIENCIES	(3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency)	(4) COMPLETION DATE
1.	TNI V1M2 4.2.8.5 – The laboratory have standard operating procedures (SOPs) do not accurately reflect all phases of current laboratory activities such as assessing data integrity, corrective actions, handling customer complaints, and all test methods. For example, but not limited to following laboratory SOPs do not include current analyst practices:		
	• SOP VOC-010 10 2020-12-18 DW 524.2 listed a 60m column and the laboratory is actually using a 30m column.		04/19/2021
	• SOP VOC-003 15 2021-01-04 GC-MS EPA 8260B listed a 60m column and the laboratory is actually using a 30m column.		04/19/2021
	• SOP WC-054 17 2020-04-20 IC EPA 300.0/EPA 9056 does not include a guard column but the laboratory currently has a guard column in use for analysis.		04/05/2021
	• SOP WC-054 17 2020-04-20 IC EPA 300.0/EPA 9056 does not include or reference the laboratory practice of performing a conductivity screening of samples to determine appropriate dilutions to use for analysis.		04/05/2021
	• SOP WC-030 07 2019-05-22 does not include or reference the 528nm wavelength used for SM4500 CL G.		04/05/2021
	See NCF J21056 (attached) for the laboratory's plan of corrective action.		04/28/2021
2.	TNI V1M2 4.2.8.5 f (xviii) – The laboratory SOP WC-038 19 2020-08-14 CBOD-BOD Manual SM5210B does not include the lab practice for handling BOD/CBOD results flagged when >30% Difference between High and Low Values from Different Sample Dilutions.		
	See NCF J21057 (attached) for the laboratory's plan of corrective action.		05/04/2021
3.	TNI V1M2 4.6.2 – The laboratory does not ensure that supplies and services comply with specified requirements for EPA 547 used for 4% Methanol / 5 mM pH 1.9 Phosphate buffer mobile phase required by the method.		
	See NCF J21058 (attached). The laboratory does not concur with the finding.		05/04/2021
4.	TNI V1M2 5.5.5 a & b – The laboratory does not maintain records that include the barcode reader equipment ID used for EPA 2540 D (TSS) and the barcode reader is not listed in the laboratory equipment list.		
	See NCF J21059 (attached) for the laboratory's plan of corrective action.		04/27/2021

SIGNATURE: Heather Miller — 05/14/2021

Responsible Official (Technical Director, QA Officer, or Manager) — DATE

STATE OF FLORIDA DEPARTMENT OF HEALTH

STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING

LABORATORY:	LAB I.D. NO.:	DATE SURVEY COMPLETED:	SURVEYOR:
Advanced Environmental Laboratories, Inc.	E82574	March 15 – 17, 2021	Maurice A. Downer

PARAMETERS SURVEYED: Drinking Water - Group I Unregulated contaminants, Group II Unregulated contaminants, Group III Unregulated contaminants, Microbiology, Other Regulated contaminants, Primary Inorganic contaminants, Secondary Inorganic contaminants, Radiochemistry, Synthetic organic contaminants; Non-Potable Water – Extractable Organics, General Chemistry, Metal, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organics; Solid and Chemical Materials – Extractable Organics, General Chemistry; Metals, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organic

(1) I.D. PREFIX TAG	(2) SUMMARY STATEMENT OF DEFICIENCIES	(3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency)	(4) COMPLETION DATE
5.	TNI V1M2 4.13.3 f (xii & xiv) – The laboratory does not maintain all information necessary for the historical reconstruction of data for sample acceptance criteria, QC protocols and assessment. For example, but not limited to the following methods: • The laboratory MDL for Oil & Grease and Oil & Grease (SGT) do not comply with the method requirements are 1.4mg/L for EPA 1664. • The laboratory procedures for EPA 1650 and EPA 9020 do not required a matrix spike be analyzed every 10 samples per Method 1650 Section 9.3 and EPA 9020 Section 8.5. • The laboratory procedure for EPA 9020B does not require a reagent blank be analyzed every 8 samples per EPA 9020B Section 8.3. • The laboratory Slim Plate worksheet DCN: MI 021 records do not document the lot number used for DPD chlorine strips. See NCF J21060 (attached) for the laboratory's plan of corrective action.	05/13/2021 (SGT MDL to be completed by 05/30/2021). 04/31/2021 04/31/2021 05/13/2021 05/30/2021
6.	TNI V1M2 5.5.5(h) – The laboratory does not maintain records that include the changing the guard Column in the preventive maintenance record for HPLC EPA 549.2 method. See NCF J21061 (attached) for the laboratory's plan of corrective action.	05/10/2021
7.	TNI V1M2 5.6.4.2 a – The laboratory does not maintain and retain records of receipt and storage of consumable materials used for the LCS for EPA 1030 (Ignitability). See NCF J21062 (attached) for the laboratory's plan of corrective action.	05/13/2021
8.	TNI V1M2 5.8.2 - The laboratory does not ensure that the sample identification is retained throughout the life of the sample in the laboratory. The laboratory proficiency Micro testing record for the Slim Plate does not include the laboratory sample ID number. See NCF J21063 (attached) for the laboratory's plan of corrective action.	04/24/2021

SIGNATURE: _____ 05/14/2021

Responsible Official (Technical Director, QA Officer, or Manager) — DATE

STATE OF FLORIDA DEPARTMENT OF HEALTH

STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING

LABORATORY:	LAB I.D. NO.:	DATE SURVEY COMPLETED:	SURVEYOR:
Advanced Environmental Laboratories, Inc.	E82574	March 15 – 17, 2021	Maurice A. Downer

PARAMETERS SURVEYED: Drinking Water - Group I Unregulated contaminants, Group II Unregulated contaminants, Group III Unregulated contaminants, Microbiology, Other Regulated contaminants, Primary Inorganic contaminants, Secondary Inorganic contaminants, Radiochemistry, Synthetic organic contaminants; Non-Potable Water – Extractable Organics, General Chemistry, Metal, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organics; Solid and Chemical Materials – Extractable Organics, General Chemistry; Metals, Microbiology, Pesticides-Herbicides-PCB's, Volatile Organic

(1) I.D. PREFIX TAG	(2) SUMMARY STATEMENT OF DEFICIENCIES	(3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency)	(4) COMPLETION DATE
9.	TNI V1M2 5.4.1 - The laboratory does not have technical justification for their deviations to the following test methods: • The laboratory does not process samples in compliance with the reference method for EPA 531.1. Currently the laboratory does not used the method required protocol of Methanol and water mobile phases, gradient elution (15% to 100% or 10% to 80% Methanol. • The laboratory does not process samples in compliance with the reference method for EPA 7196 analysis. The laboratory currently performs the pH adjustment and color development which is the reverse order per the method. See NCF J21064 (attached) for the laboratory's plan of corrective action.		05/10/2021 05/14/2021 05/14/2021

SIGNATURE: _____ 05/14/2021

Responsible Official (Technical Director, QA Officer, or Manager) — DATE

STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

PLEASE FOLLOW THESE INSTRUCTIONS:

In completing the laboratory's section of this form, you should closely observe the following:

1. Review the instructions.

2. Complete the form legibly.

3. Each deficiency is consecutively numbered with an I.D. Prefix Tag. Your plan of correction should repeat these numbers for identification of each deficiency in the I.D. Prefix Tag Column.

4. Reply to each deficiency cited by reporting the specific action you have taken to effect compliance and enter the corrective action below the deficiency. Use attachments if necessary. Enter the date it was accomplished in the Completion Date Column (4).

5. For any item which has not yet been corrected, report the specific action you intend to take to correct the deficiency. Enter the anticipated date of completion in the Completion Date Column (4).

6. You must present a realistic plan with reasonable time frames based upon the extent and nature of the deficiencies cited.

7. There should be no statements which can be construed as defaming some other party, such as another institution, employees of the institution, etc.

8. You should frame your plan of correction in language that can be readily understood by the lay person.

9. If you do not concur with any of the deficiencies stated, your rationale to support this position must be indicated on the form.

10. The form must be completed, signed and dated by a responsible official.

11. The original must be returned within thirty (30) calendar days. Retain copy for your files.

12. Failure to submit a timely reply will leave the Bureau of Public Health Laboratories no alternative except to submit a finding of non-compliance and deny or revoke certification.

Appendix C

QA/QC Manual

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

Quality Systems Manual

For

Advanced Environmental Laboratories, Inc. (AEL)

Jacksonville
6681 Southpoint Parkway
Jacksonville, FL 32216
(904) 363-9350

Tampa
9610 Princess Palm Avenue
Tampa, FL 33619
(813) 630-9616

Gainesville
4965 SW 41st Boulevard
Gainesville, FL 32608
(352) 377-2349

Orlando
380 Northlake Blvd., Suite 1048
Altamonte Springs, FL 32701
(407) 937-1594

Miami
10200 USA Today Way
Miramar, FL 33025
(954) 889-2288

Tallahassee
2639 North Monroe Street, Suite D
Tallahassee, FL 32303
(850) 219-6274

Fort Myers
13100 Westlinks Terrace, Suite 10
Fort Myers, FL 33913
(239) 674-8130

Revision Number: 10.3
Based on 2016 TNI Standards

Revision Date: February 28, 2021
Effective Date: March 31, 2021

Replaces all previous revisions and versions.

Approval Signatures are on the following pages.

AEL Management's Approved Signatories (page 1 of 3):

Chuck Ged
Chuck Ged (Mar 3, 2021 13:55 EST)

Charles Ged, 3/3/21
AEL President, Technical Director Date

Brandon Beck

Brandon Beck, 3/3/21
AEL Vice President Operations Date
Technical Director: Chemical Analysis, Microbiology

Robert Bartolo
Robert Bartolo (Mar 3, 2021 14:00 EST)

Robert (Rico) Bartolo, 3/3/21
AEL Corporate Technical Director Date
Technical Director: Chemical Analysis, Microbiology

Todd Romero
Todd Romero (Mar 3, 2021 14:41 EST)

Todd Romero, 3/3/21
Director of Client Services Date
Technical Director: Chemical Analysis, Microbiology

AEL Management's Approved Signatories (page 2 of 3):

Jason Gebhardt

Jason Gebhardt,
AEL - Jacksonville Laboratory Manager

3/3/21
Date

Heather Quilal-lan
Heather Quilal-lan (Mar 3, 2021 15:27 EST)

Heather Quilal-lan,
AEL - Jacksonville Quality Assurance Officer

3/3/21
Date

Michael Cammarata
Michael Cammarata (Mar 3, 2021 16:03 EST)

Michael Cammarata,
AEL-Tampa Laboratory Manager
Technical Director: Chemical Analysis, Microbiology

3/3/21
Date

Stephen Cantin
Stephen Cantin (Mar 3, 2021 15:30 EST)

Stephen Cantin,
AEL-Tampa & Orlando Quality Assurance Officer

3/3/21
Date

Brandon O'Hara

Brandon O'Hara,
AEL- Orlando Laboratory Manager
Technical Director: Chemical Analysis, Microbiology

3/3/21
Date

JOsh Apple
JOsh Apple (Mar 3, 2021 15:29 EST)

Josh Apple,
AEL-Gainesville Laboratory Manager

3/3/21
Date

Wayne Khan
Wayne Khan (Mar 4, 2021 07:43 EST)

Wayne Khan
AEL-Miami Laboratory Manager

3/4/21
Date

AEL Management's Approved Signatories (page 3 of 3):

David M Herring
David Herring (Mar 3, 2021 15:33 EST)

David Herring,
AEL – Miami-Fort Myers Quality Assurance Officer

3/3/21
Date

Adolfo M Fernandez
Adolfo M Fernandez (May 6, 2021 10:34 EDT)

Adolfo Fernandez
AEL - Miami
Technical Director: Chemical Analysis

5/6/21
Date

Jovonia Washington
Jovonia Washington (May 6, 2021 10:54 EDT)

Jovonia Washington
AEL - Miami
Technical Director: Microbiology

5/6/21
Date

Tim Preston
Tim Preston (Mar 4, 2021 08:04 EST)

Tim Preston
AEL-Tallahassee Laboratory Manager
Technical Director: Chemical Analysis, Microbiology

3/4/21
Date

Josh W Snead

Josh Snead
AEL-Fort Myers Laboratory Manager

3/3/21
Date

Table of Contents

Section Listing

AEL Quality Manual, rev. 10.3

Table of Contents (Detailed)

15.0 Data Integrity

16.0 References

Appendix D

Staff Experience

Jacksonville Laboratory Experience Matrix

Proposed Management Staff

Jacksonville Staff	Job Title	Education Experience	Years of Experience
Gebhardt, Jason C.	**Laboratory Manager**	**B.S., Biology**	**24**
Lutzic, Dani E.	Project Manager	B.A.,	14
Gunsaulies, Paul E.	Project Manager II	A.S., Environmental Pollution Control Technology	27
Allen, Jerry	**Client Services Manager / Project Manager**	**B.S., Biology**	**27**
Quilal-lan, Heather A.	**Quality Assurance Officer**	**B.S. Biology**	**15**
Myers, Craig R.	Client Service Manager - Federal	A.S., Environmental Science	31
Lutzic, Dani E.	Project Manager	B.A.,	14
Gunsaulies, Paul E.	Project Manager II	A.S., Environmental Pollution Control Technology	27
Knudsen, Stephanie	**Department Manager Organics**	**A.S., Chemical Laboratory**	**14**
Pope, Daniel	Analyst II/ Extractions Team Lead	HS	25
Vyas, Hitesh N.	Analyst II / Extractions	B.S., Biology	17
Espie, Ryan	Analyst I / Extractions	B.S. Chemistry/Biochemistry	1
Feltis, Tyler J	Analyst I / Extractions	B.S. Forensic Science	1
Floyd, Robert W	Analyst I / Extractions	B.A Business Administration	2
Hamilton, Everett	Analyst I / Extractions	A.S. Biotechnology	2
Martin, Carl	Sr Analyst / SemiVols	B.S. Chemistry	22
Yeremyants, Tatyana V	Sr Analyst / SemiVols	B.S. Chemical Engineering	31
Kurtz, Joseph	Analyst II / SemiVols	B.A., Biomedical	2
Comor, Elma	Analyst I / SemiVols	B.S. Biology	5
Grau Flores, Francis B	Analyst II / Vols	B.S. Biology	8
Smith, Ashley	Analyst II / Vols	B.S., Biology	6
Bacsko, Amanda	Analyst II / Vols	B.S. Chemistry and Chemical Engineering	5
Luque, Florencia	Analyst I / Vols	B.S., General Chemistry	1
Little, Natalie A.	**Department Manager Metals & Micro**	**B.S., Environmental Biology**	**9**
Lewis, Lindsay	Analyst II / Metals	B.S., Chemistry	3
Moreyra, Amanda N.	Sample Receiving	B.S., Biology	2
Oliva, Agustin	Analyst I / Metals	B.S. Chemistry	3
Breault Jr, Richard R	Department Manager Wet Chem	B.S. Environmental Sustainable Studies	5
Cicero, Jacari	Analyst I / WetChem	B.S. Biomedical Science	1
Gilliland, Hannah	Analyst I / WetChem	B.S. Environmental Science	3
Martin, Emily	Analyst I / WetChem	B.S. Biology	3
Plicque, Alexis J	Analyst I / WetChem	B.S. Biochemistry	1
Quilal-lan, Jesse F	Analyst II / WetChem	B.S Psychology	1

Jacksonville Laboratory Experience Matrix Con't

Jacksonville Staff	Job Title	Education Experience	Years of Experience
West, Robert S.	Department Manager LC	B.S. Biology	31
Brady, Desmond J.	Analyst II / LC	B.S. Environmental Science	2
Lightsey, Shawn	Sample Receiving Team Lead	H.S.	13
Bossa, Daniel W.	Field Technician	B.S. Biology	7
Little, Corey	Field Technician	H.S.	1
Grimes, Kristan C	Sample Receiving	B.S. Biology	2
Thompson, Gretchin H	Sample Receiving	B.S. Biomedical Science	2
Tennison, Michaela P	Sample Receiving	B.S. Biomedical Science	1

RÉSUMÉ

CHARLES M GED

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

OVERVIEW

Over 30 years experience in analytical laboratory setting including technical production and technical management as well as client services and business development. Chuck has the benefit of having started as a client of commercial labs while he worked for a public utility. Those years as a client gave him a perspective on the client/vendor relationship that many business owners never have the chance to experience. Chuck gained a great appreciation for personal service and attention to detail, values he instilled into AEL from the beginning and works to uphold every day. Chuck is a strong supporter of education and actively involved with the University of North Florida (UNF) as a member of the Foundation Board. He also has set up an endowment to UNF's Environmental Center, and has established the "Mr. & Mrs. Charles Ged Science Scholarship" which is annually awarded to a deserving student pursuing a degree in Chemistry.

EDUCATION

M.B.A., University of North Florida, 1990
B.S., Chemistry/Math, University of Florida, 1985

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc., Jacksonville, FL *Oct. 1994 – Present*
President, Owner

Responsible for all corporate administration, policies, finances, budgeting, and developing new market areas for the expansion of new laboratory facilities for the largest commercial laboratory network in Florida. Manages the profitability and business development of AEL's seven laboratories encompassing over a thousand clients. Developed laboratory quality control program and data reporting requirements. Implemented employee hiring protocols for all technical positions.

Columbia Analytical Services, Inc., Jacksonville, FL *Oct 1993 – Aug 1994*
Laboratory Director- Jacksonville Laboratory

Management of capitol; annual operating budget of approximately $1 million; management of 9 staff members; contract procurement, project management and laboratory design. Technical responsibilities included the management of organic, inorganic and microbiological analysis and Florida Certification of FDEP and FHRS. Projects included petroleum remediation and assessment analysis, landfill monitoring, NPDES permit testing and hazardous waste profiling.

Environmental Conservation Laboratories, Inc., Jacksonville, FL *Dec.1991 – Aug.1994*
Laboratory Manager

Responsible for sales and laboratory development by supervising method development, routine analysis and Multi-Regional Support Laboratory. Responsible for the profit and loss for the Jacksonville lab and management of 20 staff members.

Jacksonville Electric Authority, Jacksonville, FL *Sept.1985 – Dec. 1991*
Chemist/Laboratory Manager

Managed a central testing laboratory that was responsible for the process and environmental testing for 3 fossil fuel power plants. Provided environmental compliance data to state agencies; created vendor, internal quality assurance and hazardous waste management programs; performed process and environmental analysis.

6681 Southpoint Parkway, Jacksonville, FL 32216 (O) 904-363-9350, (F) 904-363-9354

RÉSUMÉ

BRANDON BECK

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

OVERVIEW

Detailed and performance driven individual who has risen through the ranks to Vice President of Operations. Brandon has a thirst for knowledge and tremendous desire to continue to improve AEL's quality and service.

EDUCATION

M.S., Environmental Toxicology, Clemson University, 2001
B.S., Biology, University of North Florida, 1998

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc., Jacksonville, FL ***2002-Present***

VP - Operations

Dec. 2020 – Present

The VP – Operations role continues with many of the same core responsibilities of Corporate Operations Manager while taking on additional business and technical responsibilities pertaining to budget control, profitability, and lab efficiency. All Lab Managers remain under his supervision, with emphasis on communication concerning scheduling and logistics as the company focuses on expansion.

Corporate Operations Manager

March 2012 - Dec. 2020

Was responsible for the overall operational performance of AEL's seven laboratories. Directs and coordinates the efforts of the Lab Managers, and guides AEL's daily operations toward corporate objectives. He helped develop those Corporate objectives working with AEL's President, Vice President, QA Officer, and IT Director.

Laboratory Manager

June 2010 – March 2012

Was responsible for the overall operation of AEL's Jacksonville laboratory. Facility has 35 full-time staff performing analysis utilizing GC, GC/MS, HPLC, ICP, ICP-MS, Discrete analyzer, and various types of wet chemistry instrumentation. Brandon supervised an Organics Manager, Inorganics Manager, three Project Managers, field staff, and support staff. The laboratory is NELAP (TNI) and Department of Defense (ELAP) certified. The laboratory's government clients include the Army Corp of Engineers, US Navy, Florida Army National Guard, FDEP, and over two dozen city and county agencies from North Florida. Commercial clients include some of the largest engineering firms in the US and several large industrial clients.

Organics Department Manager

Dec. 2008 - June 2010

Directed daily management of the extractions, volatile and semi-volatile organic departments of AEL's Jacksonville laboratory. These departments routinely performed analysis on a wide range of projects, from full drinking water SOCs to hazardous waste characterization, with quick turnaround times on multiple methods and difficult matrices. Under his direction, the Department consistently had very high PT scores, on-time delivery, and low staff turnover.

Organics Analyst

Apr. 2002 – Dec. 2008

Analyzed drinking water, ground/wastewater, air, and soils by various EPA methods including 502.2, 8021, 624, 8260, 524.2, 525.2, 8270, and 625. Consistently scored highly on PTs and performed exceptionally well on NELAP/FDOH audits. Routinely completed his work ahead of schedule/turnaround time, and then assisted other analysts with their work.

Clemson Institute of Environmental Toxicology, Clemson, SC

Laboratory Research Assistant

May 1999 – May 2001

Responsible for all environmental and immunological research and daily maintenance of research laboratory.

RÉSUMÉ

JASON GEBHARDT

ADVANCED ENVIRONMENTAL LABORATORIES, INC.

OVERVIEW

Jason is in charge of the day-to-day operations for AEL's headquarters laboratory in Jacksonville. The lab is TNI, DoD-ELAP, and ISO 17025 certified. Jason has been the AEL-JAX Lab Manager since 2012 and had previously been a Semi-volatiles Analyst and the Organics Department Manager. He has a strong customer services attitude and is an excellent manager of personnel and projects. The Jax lab is on the cutting edge of emerging contaminants and environmental monitoring of legacy contaminants using the latest technology and techniques. The lab also strives to be environmentally friendly and leave a very small footprint or impact on the environment. The personnel and capacity for analyses has grown tremendously during the last 8 years. This growth has encompassed methodology that was in place and others analyses that have been added. The Jax lab scope is one of the largest in the state of Florida.

EDUCATION

B.S., Biology, University of North Florida, 1997 | A.A., Polk Community College, 1995

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc., Jacksonville, FL Dec. ***2006-Present***

Laboratory Manager *Mar. 2012 – Present*

Overall responsibilities include data review, evaluation, reporting, and trending of data; investigations; scheduling in house and contract personnel. Perform and/or oversee environmental monitoring for emerging and legacy contaminants; Schedule in house personnel for field activities and routine sampling events; supervise laboratory personnel; conducting and overseeing quality assurance and quality control; collect, analyze, and interpret lab results; perform QC Laboratory testing accurately and to schedule as per written procedures. Additionally, implementing new methods and procedures; stream-lining production for maximum throughput of quality on time data to satisfy our clients; oversee audit readiness annual audits by accrediting bodies for current and additional scope (added certifications every year). Responsible for researching new techniques to make the lab more efficient and to improve data quality. Perform maintenance on various instruments and help with instrument installations.

Organics Department Manager *June 2010–Mar. 2012*

Responsible for the supervision of both volatile and semi-volatile organics areas. Utilized LIMS system, and Smart Sheets to meet and exceed client requirements of all areas of organic analysis and provided technical support to clients. Also served as a reference and resource to analytical staff and project managers. Reviews QAPP/DQO requirements and set daily/weekly/monthly standards for department productivity. Specific familiarity with the following methods: WIGRO/WIDRO, 624.1, 625.1, 608.3, 8260, 8270, 8081, 8082, 8141, 8151, 508, 515.3, 552.2, 504.1/8011, 8330, 547, 549.2, 531.1 with a strong understanding of organic instrumentation (GC, GCMS, HPLC, LCMS) and the ability to maintain and repair the instruments in the lab.

Semi-Volatile Senior Analyst (Primary ECD Analyst) Apr.*2006–June 2010*

Analyze and report semi-volatile organics using GC-ECD, HPLC, GCMS and GC-FID. Proficient under EPA Methods 608, 8081,8082, 504, 508, 515.3, 552.2, 8151, 8141, 8330, 549.2, 531.1, 547, FL-PRO, 8260, 624, 8270.

Rose Printing, Mailing Manager, Tallahassee, FL *2003-2006*

Managed the mailing of periodical and standard mail publications. Developed in house list processing and database management

The Mail House, List Process/Operator, Winter Haven, FL *2002-2003*

Processed Mail Lists. Operated labelers, inserters, cutter, and folder.

Severn Trent Laboratories, Laboratory Analyst, Tallahassee, FL

2001-2002Prepared and tested samples using HPLC equipment. Analyzed samples according to EPA guidelines. Extracted samples using various methods and lab techniques.

OVERVIEW

Manage client project submittals from initiation to completion. Set –up projects as they are requested, track submittals as they are completed to ensure timely delivery and review/release date to clients upon project completion. Generate report and electronic data deliverables to meet clients' needs. Respond to client requests, comments or questions. Provide suggestions on how to improve operational activities to better serve the client and put forth measures to implement these activities. Assist Business Development with client calls and office visits to gain market share and attract new clients to AEL while maintaining current client base.

EDUCATION

B.S., Biology, University of North Florida, 1994

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc., *Sept. 2018 – Present*
Jacksonville, FL

Client Services Manager
Serves as the primary contact for many Northeast Florida government agency clients and multiple consulting firm clients ensuring all technical, financial and scheduling objectives are met A portion of the Florida government agency drinking water and wastewater utility department contracts Mr. Allen manages include the City of Atlantic Beach, City of Jacksonville Beach, City of Jacksonville, City of Neptune Beach, City of Fernandina Beach.

Project Manager
Manage client project submittals from initiation to completion. Set –up projects as they are requested, track submittals as they are completed to ensure timely delivery and review/release date to clients upon project completion. Generate report and electronic data deliverables to meet clients' needs. Respond to client requests, comments or questions. Provide suggestions on how to improve operational activities to better serve the client and put forth measures to implement these activities. Assist Business Development with client calls and office visits to gain market share and attract new clients to AEL while maintaining current client base.

ALS Environmental *2010 – 2018*
Project Manager
Manage client project submittals from initiation to completion. Set –up projects as they are requested, track submittals as they are completed to ensure timely delivery and review/release date to clients upon project completion. Generate report and electronic data deliverables to meet clients' needs. Respond to client requests, comments or questions. Provide suggestions on how to improve operational activities to better serve the client and put forth measures to implement these activities. Assist Business Development with client calls and office visits to gain market share and attract new clients to ALS while maintaining current client base.

Columbia Analytical Services, *2006 – 2010*
Organics and Technical Manager
Responsible for managing all aspects of the Organic Laboratory to include volatile organic analysis and semi-volatile organic analysis. Duties include fiscal responsibility for the department, staffing, training, work distribution and monitoring, data quality and data review, and safety. Responsible for the supervision of instrument operations including automated injectors; GCs equipped with various detectors (GC/ECD, GC/FID); GC/MS; and automated electronic data deliverable computers. Additional duties include method improvement and development.

Columbia Analytical Services *2005 – 2006*
Scientist IV

Responsibilities included analysis of priority environmental pollutants in drinking water, ground water, soil waste, air samples, and paper samples using EPA organic methodologies for GC and GC/MS. Also responsible for preparation of samples and standards, instrument maintenance and troubleshooting, data review and handling, client services, and report writing

ADPEN Laboratories *2001 – 2005*
Senior Chemist
Operate and manage the pesticide and antibiotic testing for the laboratory; managed small group of employees; organized daily and weekly workloads; operation and maintenance of GC with (FID/ELCD/NPD/MS detectors) LC/UV and LC/MS/MS with complete operating systems; documentation and report production as well as preparing FDA and EPA reports. of samples and standards, instrument maintenance and troubleshooting, data review and handling, client services, and report writing

Columbia Analytical Services *1994 – 2001*
Scientist II
Management of laboratory's electronic deliverables program and analyses of samples for volatile organics by EPA Methods 502.2, 524.2, 601, 602, 8010, 8020, 8021, 8240, 8260 and 8015M; inorganic methods for microbiology, BOD, COD, pH, specific electrodes, solids, colorimetric, and titrimetric techniques utilizing UV/V spectroscopy, ion chromatography, and others: air analysis methods TO-14 and TO-15. Also responsible for routine maintenance, optimization of instrument performance, data review, data documentation, and report preparation in all departments.

OVERVIEW

Mrs. Quilal-lan is our Quality Assurance Officer and Micrbiology Technical Director and has over 16 years of experience in laboratory settings. Responsible for overseeing quality control for AEL-Jacksonville with duties including regular upkeep of the standard operating procedures, administration of proficiency testing, submitting of applications for new certifications, and the maintenance of programs to ensure the generation of quality results that comply with the NELAC (TNI). Mrs. Quilal-lan has a thorough knowledge of Organic analysis goals, methods, science, and instrumentation. Her chemistry experience is made even stronger because of her time spent as a Data Validator, which provides her with an uncommon appreciation for the goals of our clients and the regulatory community.

EDUCATION

B.S. Psychology, B.S. Biology, Minor in Chemistry, College of Charleston, 2004

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc., *2014 – Present*

Jacksonville, FL

Organics Department Manager, 2018 – Present

Directed daily management of the extractions, volatile, and semi-volatile organic departments of AEL's Jacksonville laboratory. She was an excellent leader of her staff – keeping them motivated and meeting the needs of demanding clients, difficult projects, and COVID-19 worksite restrictions, while still maintaining quality and meeting NELAP (TNI), DOD (ELAP), EPA, FDEP, and FDOH regulations. Conducted staff training and maintained personnel training records for all employees. Performed instrumentation maintenance and scheduling of analyses. Executed final review of raw data to ensure completeness, accuracy, and quality control. Evaluated and implemented changes in methodology and quality control measures as determined by regulation changes and/or instruction from QA.

Senior Organic Analyst, 2014-2018

Analyzed a variety of sample matrices (including drinking water, wastewater, groundwater, soil, oils, sludge, air filters, mixed waste and finished products) for semi-volatile organic contaminants (pesticides, polychlorinated biphenyls, herbicides, haloacetic acids, diesel range, and petroleum range organics) using dual column GC/ECD, FID and MS detection as directed by EPA method series 8000, 500 and 600. Responsible for maintenance and repair of multiple Shimadzu, Perkin Elmer and Agilent GC, GC-MS, and HPLC instruments. Executed peer review of raw data to facilitate the laboratory's validation process. Maintained quality control data, participates successfully in proficiency testing and took corrective actions. Trained multiple analysts and technicians. Built data packages including forms, run logs and many other components specified by the client. Represented the laboratory during audits (NELAC, DOD, FL-DEP, etc.).

ALS Global *2012-2014*

Jacksonville, FL

Organics Semi-Volatile Analyst

Analyzed a variety of sample matrices (including drinking water, wastewater, groundwater, soil, oils, sludge, air filters, mixed waste and finished products) for semi-volatile organic contaminants (pesticides, polychlorinated biphenyls, haloacetic acids, diesel range and petroleum range organics, 1,4-dioxanes and CPSC/Phthalates) using dual column GC/ECD, FID and MS detection as directed by

EPA method series 8000, 500 and 600. Responsible for maintenance and repair of multiple Agilent 5890 and Agilent 6890 GC instrumentation. Maintenance include, but is not limited to inlet, weldment, column and detector maintenance. Developed methodologies for new clients and special projects (ex. PCB-RPTA migration study. Executed peer review of raw data to facilitate the laboratory's validation process. Reviewed and revised laboratory SOP's to ensure compliance with changes in regulatory criteria. Maintained quality

The GEL Group, Inc. *2004 –2012*
Charleston, SC
Data Validator, 2009-2012
Practiced self-management as an off-site employee and initiated and coordinated validation tasks with on-site team members. Used time effectively to plan, organize and prioritize assignments to meet internal deadlines (99.9% on-time rating). Reviewed raw data and data packages including forms, EDD's, standards traceability, run logs and many other components of the data package that may be specified by the client. Supported project management in the review of new contract requirement and provided input on laboratory detection levels, capabilities and data package requirements. Served as a technical resource to the laboratory.

Organics Semi-Volatile Analyst, 2006 – 2009
Analyzed a variety of sample matrices (including drinking water, wastewater, groundwater, soil, oils, sludge, air filters and mixed waste) for semi-volatile organic contaminants (pesticides, polychlorinated biphenyls and herbicides) using dual column GC/ECD detection as directed by EPA methods 8000 and 600. Responsible for maintenance and repairs of multiple Agilent 6890 GC instrumentation. Maintenance included but was not limited to inlet, weldment, column and detector maintenance. Attended various "Fast GC" seminars to improve laboratory efficiencies. Developed methodologies for Federal and Industrial clients including 18 Department of Energy sites, 8 Districts of the US Army Corps of Engineers, the Southern Division of the Navy and various Industrial sites in the Southeastern US through coordination with Project Management, Quality Assurance and clientele. Executed peer review of raw data to facilitate the laboratory's validation process. Limited experience with GC/MS and GC/FID detection. Trained multiple analysts.

Organics Laboratory Technician, 2004 –2006
Extracted waters, soils and other miscellaneous matrices as directed by EPA method 3000. Performed GPC, Florisil, Fractionation, Silica and acid/base clean-ups when required. Developed extraction and sample clean-up methodologies to meet client specific project needs. Represented the Semi-volatile Extraction Laboratory during audits (NELAC, DHEC, etc.). Trained multiple laboratory technicians.

OVERVIEW

Natalie has over 9 years of in the environmental laboratory field; starting out as a metals prep and wet chemistry analyst, moving up to learning metals instrumentation, and now supervising the inorganics department.

EDUCATION

B.S. Environmental Biology, December 2012, Graduated Cum Laude
Clarion University Clarion, PA

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc. *2016 – Present*

Jacksonville, FL

Inorganics Department Manager

Supervising Microbiology, Wet Chemistry, and Metals. Reviewing data and all DOD reports.

Laboratory Analyst; Metals Department

Thermo Scientific iCAP 7400 ICP-OES. Thermo Scientific iCAP Q and QR ICP-MS. Perkin Elmer Fims-400, Sample preparation. LIMS(Horizon). Method development. SOPs. DOD analysis and building level IV reports.

Fairway Laboratories Inc. *2014 – 2016*

Altoona, PA 16602

Laboratory Analyst

Metals Department and Wet Chemistry; Turbidity, Dissolve Silica, Ferrous Iron, MBAS, BOD/CBOD ,Perkin Elmer Fims-100, PE AAnalyst Graphite Furnace 600, PE Optima DV 3700 ICP-OES. Sample preparation. LIMS(Element). Method development.

Environmental Service Laboratories, Inc. *2013 – 2014*

(Indiana, PA 15701)

Laboratory Analyst

Metals Department and Wet Chemistry; Responsibilities included ICP sample preparation BOD/CBOD(Mantech), MBAS, LIMS (Element).

OVERVIEW

Stephanie has almost a decade of laboratory experience. She began her career as an intern for a small laboratory and has continued to learn and grow throughout her career. She has learned most instrumentation in an environmental laboratory setting and has excellent time management skills in order to keep up with the fast pace required of environment labs. Her ability to manage time, stay organized, and willingness to take on many responsibilities has aided her in the supervisory roles she has taken on.

EDUCATION

B.A. in Film/Digital Media, Baylor University, 2010
A.S. in Chemical Laboratory Technology, Texas State Technical College, 2007

PROFESSIONAL EXPERIENCE

Advanced Environmental Laboratories, Inc. *2018 – Present*

Jacksonville, FL

Department Manager Inorganics, 2018 - Present

Responsible for daily supervision of the Microbiology, Wet Chemistry and Metals departments in getting samples.

Department Manager Inorganics/Volatiles, 2018– 2021

Responsible for daily supervision of the Microbiology, Wet Chemistry and Metals departments in getting samples analyzed, data entered and reviewed in a timely manner. She is also responsible for aiding the staff with troubleshooting instrumentation issues and repairing their instruments when they go down. She processes and reviews data at the primary and secondary levels and helps keep the analysts on track. She is responsible for keeping track of inventory and ordering for the department to help ensure consumables, reagents and standards are kept in stock at all times. She became trained in the Microbiology department to analyze Total Coliform water samples by membrane filter and MMOMug, Fecal Coliform water samples by membrane filter and Fecal Coliform soils by MPN and membrane filter, HPC, Enterococci, and E. coli.

Analysis Inc. *2011 – 2018*

Austin, TX

Lab Manager

Started out as the metals digestion prep analyst. She eventually worked her way through the lab learning metals, volatiles, semi-volatiles, extractions, some wet chem, and sample receiving. She was responsible for most instrument maintenance and troubleshooting throughout the lab. She was responsible for the daily supervision of all departments to ensure data was analyzed and turned in. Ran the following methods: TO-15/TO-12 by GC/MS/FID, 8260/624 by GC/MS, 6010/200.7 by ICP-OES, 6020/200.8 by ICP/MS, 7470/7471 by CVAAS, 300.0 by IC, 625/8270 by GC/MS, 8082 by GC/ELCD, 8151 by GC/ECD.

ACT I *2007 – 2007*

Waco, TX

Intern

Assist lead scientists in the GC/MS analysis of pesticides.

Appendix E

Financial Stability

GUNNCHAMBERLAIN, P.L.
CERTIFIED PUBLIC ACCOUNTANTS

February 22, 2022

To whom it may concern,

As the accountant for Advanced Environmental Laboratories Inc. since 2019, I certify that the corporation has been in existence since October 3, 1994. I also certify that I prepared and electronically filed the applicable income tax returns Advanced Environmental Laboratories, Inc. to meet the IRS obligations and that the company is in good financial standing with the IRS.

I can also verify that Mr. Ged the owner of Advanced Environmental Laboratories, Inc. provided our firm with a signed copy of IRS Form 8879 which is a declaration that the taxpayer examined a copy of the Advanced Environmental Laboratories Inc. tax return including accompanying schedules and statements for the 2020 tax year and declared that it is true, correct and complete to the best of his knowledge.

If you have any additional questions, please do not hesitate to contact me.

Sincerely,

Donald L. Drummond, CPA/PFS
Partner ♦ GunnChamberlain, P.L.

2021 - 2022 LOCAL BUSINESS TAX RECEIPT

JIM OVERTON, DUVAL COUNTY TAX COLLECTOR

231 E. Forsyth Street, Suite 130, Jacksonville, FL 32202-3370
Phone: (904) 255-5700, option 3 Fax: (904) 255-8403
https://taxcollector.coj.net/

Note – A penalty is imposed for failure to keep this receipt exhibited conspicuously at your place of business. This business tax receipt is furnished pursuant to Municipal Ordinance Code, Chapters 770-772, for the period October 01, 2021 through September 30, 2022 .

ADVANCED ENVIRONMENTAL
6601 SOUTHPOINT PKWY
JACKSONVILLE, FL 32216-0923

ACCOUNT NUMBER: 23944

BUSINESS NAME: ADVANCED ENVIRONMENTAL

PHYSICAL ADDRESS: 6681 SOUTHPOINT PKWY
JACKSONVILLE, FL 32216-0923

CLASSIFICATION CODE: 323079 PUBLIC SERVICE OR REPAIR, NOT SPEC

STATE LICENSE NO:

COUNTY TAX:	70.00
MUNICIPAL TAX:	126.25
COUNTY LATE PENALTY:	0.00
MUNICIPAL LATE PENALTY:	0.00
TOTAL TAX:	**196.25**

VALID UNTIL September 30, 2022

ATTENTION

THIS RECEIPT IS FOR BUSINESS TAX RECEIPT ONLY.
CERTAIN BUSINESSES MAY REQUIRE ADDITIONAL STATE LICENSING.

This is a business tax receipt only. It does not permit the receipt holder to violate any existing regulatory or zoning laws of the County or City. It does not exempt the receipt holder from any other license or permit required by law. This is not a certification of the receipt holder's qualifications.

JIM OVERTON, TAX COLLECTOR

THIS BECOMES A RECEIPT AFTER VALIDATION.

Paid 21092700002151 09/27/2021 $ 196.25

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 01/21/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jamie Smith CIC	
Brown & Brown of Florida, Inc. 10151 Deerwood Park Blvd Bldg 100, Ste 100 Jacksonville FL 32256	PHONE (A/C, No, Ext): (904) 565-1952	FAX (A/C, No): (904) 565-2440
	E-MAIL ADDRESS: jsmith@bbjax.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Advanced Environmental Laboratories, Inc. 6681 Southpoint Parkway Jacksonville FL 32216	INSURER A : Colony Insurance Company	39993
	INSURER B : Bridgefield Employers Insurance Company	10701
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 22-23 Liability **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR [X] Employee Benefits Liab [X] Transportation GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:			PACE308344	01/26/2022	01/26/2023	EACH OCCURRENCE	$ 2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 2,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
							Pollution Liability	$ 2,000,000
	AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident)	$
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
A	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $			EXC308345	01/26/2022	01/26/2023	EACH OCCURRENCE	$ 1,000,000
							AGGREGATE	$ 1,000,000
								$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		830-37393	01/26/2022	01/26/2023	[X] PER STATUTE [ ] OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
A	Professional Liability			PACE308344	01/26/2022	01/26/2023	Aggregate	$2,000,000
							Per Claim	$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of Jacksonville Beach is included as additional insured with respects to the General Liability on a primary and non-contributory basis when required by written contract. XCU is not excluded from the policy.

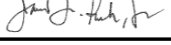
CERTIFICATE HOLDER

City of Jacksonville Beach
1460-A Shetter Avenue
Jacksonville Beach FL 32250

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



Appendix F

AEL Equipment List

7.0 Facilities and Equipment

7.1 AEL consists of seven laboratories that are located in Jacksonville, Tampa, Miami (Miramar), Gainesville, Orlando (Altamonte Springs), Tallahassee, and Fort Myers. The addresses are listed on the cover page of this manual.

7.2 AEL Jacksonville is a full-service laboratory and is also home of the corporate headquarters. AEL Tampa and AEL Miami are also full-service laboratories. AEL Gainesville, Orlando, Tallahassee, and Fort Myers perform inorganic chemistry and microbiology testing.

7.3 The goal of AEL is to provide its employees with the most current technologically advanced equipment sufficient to meet or exceed all maximum contaminant limits or method detection limits, as required by the regulatory agencies, FDEP or EPA. AEL continually updates its equipment to keep up with the changes in technology and regulations.

7.4 The facilities are of sufficient size to meet all analytical and regulatory requirements.

7.5 The lab certification and scope of accreditation for each facility are maintained in the custody of the QA Officer with copies on the designated Quality Assurance (Q) drive of the AEL networked servers.

7.6 The attached spreadsheets making up the majority of this section, provide an inventory listing of the equipment stored in each facility, separated by the room number of each individual laboratory. All instruments are assigned identification in the Laboratory Information Management System as follows:

- 7.6.1 Site Location; J for Jacksonville, T for Tampa, A for Orlando, G for Gainesville, M for Miami, S for Tallahassee, and F for Fort Myers.
- 7.6.2 Room Location: The room numbers are listed at the top in the following pages.
- 7.6.3 Letter designation: Each instrument is assigned a one or two letter identifier.
- 7.6.4 As example, the first GC/MS in Jacksonville would be assigned J7A, which corresponds to Jacksonville, room 7, instrument A.

7.7 Electronic records, bench sheets, and data sheets will also reference the instrument ID using the assignment conventions as listed above in section 7.6. Model and serial number can also be referenced on bench sheets but are not required. However, the physical identification on the instrument itself shall only need to consist of the letter designation only. Each room is to be identified by number on or near the entryway to the room. Lab location is self-evident.

7.8 Copies of the floor plans of the individual facilities are maintained current on the designated Quality Assurance (Q) drive of the AEL networked servers.

Location	ID	Instrument Type	Instrument Make and Model
J1	A	GC-MS	Gas Chromatograph, Shimadzu, Model GC-2010Plus, Serial # O215355 01145
J1	A	GC-MS	Mass Spectrometer, Shimadzu, Model GCMS-2010SE Serial # O205355 50370
J1	A	GC-MS	Purge and Trap Concentrator, EST Analytical Model: ENCON Evolution Serial # EV879092117
J1	AZ (share)	GC-MS	Autosampler, EST Analytical Model: Centurian W/S Serial # CENTS487022117
J1	Z	GC-MS	Gas Chromatograph, Agilent, Model 6890N, SN US10533041
J1	Z	GC-MS	Mass Spectrometer, Agilent, Model 5973, SN US52440684
J1	Z	GC-MS	Purge and Trap Concentrator, EST Analytical Model: ENCON Evolution Serial # EVX1039020419
J1	Z	GC-MS	ULVAC Pump, SN 1747621A
J1	N	GC-MS	Mass Spectrometer, Shimadzu, Model: GCMS-QP2010SE, S/N 0210953 00777
J1	N	GC-MS	Gas Chromatograph, Shimadzu, Model: GC-2010Plus, S/N 0205353 50269
J1	N	GC-MS	Purge and Trap Concentrator, EST Encon Evolution, S/N EV371080211
J1	N	GC-MS	Autosampler, EST Analytical, Model: Centurian W, S/N CentW549041016
J1	J	Purifier	Water Purifier, Barnstead Ultrapure Water System Model D7031, Serial # 703930790239
J1	P	GC-FID/PID	Aglient 5890 Series II, SN: 2750A19127
J1	P	GC-FID/PID	OI Analytical Eclipse Model 4660 SN: 0607466345P
J1	P	GC-FID/PID	Autosampler, EST Analytical Model: Centurian W/S Serial #CENTS305051713
J1	H	Balance	Balance toploader max 720g, Citizen NV212 S/N: 8337466159
J1	K	Refrigerator #1	Refrigerator S/N 6327171519060504
J1	L	Refrigerator #2	Refrigerator S/N 6188171519050305
J1	M	Refrigerator #3	Mini Refrigerator S/N A1710217860001802
J1	O	Freezer #1	Freezer S/N WB54163918
J1	Q	Freezer #2	Freezer S/N 6056171419030804
J1	T	Refrigerator #4	Mini Refrigerator Model: DCR032CLBDB S/N: 5019083033130
J1	X	Headspace Anlayzer	Perkin Elmer Headspace Anlayzer HS-40 SN: 2595
J1	X	GC-FID/PID	Perkin Elmer 600 GC/FID Autosystems SN: 56004A
J1	L8	Label Maker	Brother, S/N U61041-D7G875364
J1	L9	Label Maker	Brother, S/N U62829-K4Z836771
J2	I	Incubator	BOD Incubator,Thermo Precision Low Temp. Incubator S/N 101N0040
J2	J	Incubator	BOD Incubator, VWR Model TFFU20F2QWB S/N WB94081089; Thermo Model 3733A S/N 300389672
J2	O	Refrigerator	Refrigerator, Frigidare Model: MRT18DNGW2, S/N: BA03518535
J2	B3	Balance	Balance, Mettler Toledo XS205 SN:1123181555
J2	H	Titrator	Mettler Toledo DL50 SN 5121350103
J2	OB	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AT-10
J2	OC	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AW-9
J2	OA	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AU-8
J2	OD	Oven	Solids Oven, Curtis Matheson Equatherm S/N 10AW-6
J2	OE	Oven	Solids Oven, Lab Line Instruments Model#299-744. Serial #1093-3293
J2	OF	Oven	Solids Oven, Quincy Lab Oven, Model 120GC, S/N: G2-08947
J2	U	Spec	DR 5000 HACH Spektralphotometer UV/VIS S/N 1235577
J2	C1	Reactor block	Hach COD Reactor Model: DRB200 S/N 17020C0346
J2	T1	Turbidimeter	Turbidimeter, Hach Model 2100N SN: 010700007053
J2	F1	Flashpoint	Flash Point Tester, Erdco S/N 539829
J2	D1	DO Meter	DO Meter, YSI 5000 S/N 090100530 w/ Probes YSI Model 5010
J2	D1-P	DO Meter Probe	Probe information in maintenance log books
J2	E2	Dessicator	Dessicator, Bel-Art Products, Secador Cat# 4207411116 S/N 5011
J2	FR	Flowrater	Dwyer Flowrater Model RMA-14-TMV, SN# 6823
J2	V1	Vacuum Pump	Vacuum Pump, Barnant Model: 400-3901, S/N: C94001794
J2	S4	Stir Plate	Sitr Plate, Corning Scholer 171 S/N 023103093856
J2	S6	Stir Plate	Sitr Plate, Thermo Model: SP88850100, S/N: C3010012061503732
J2	H	Auto titrator	Mettler Toledo DL50 Graphix
J2	W	Waterbath	Water Bath, Precision Scientific S/N 697040366
J2	MA	Balance	Moisture Analyzer Mettler Toledo HB43-S, SN 4.554.988/5787.600
J2	MB	Balance	Moisture Analyzer OHAUS MB45 SN:J2MB001
J2	NC	Conductivity Meter	Conductivity Meter, Thermo Orion Model 115, S/N 003782
J2	NC-P	Conductivity Meter Probe	Probe information in maintenance log books
J2	PH	pH meter	pH meter Mettler Toledo, Model SevenEasy, S/N 1227196089
J2	PH-P	pH meter Probe	Probe information in maintenance log books
J2	XM	StableWeigh Station	StableWeigh Manifold, 6 Place Filling Station, Environmental Express model TDS600F, lot# 59-8043
J2	XS	StableWeigh Antistatic Bar	StableWeigh Antistatic Bar/Box Mettler Toledo model EN-C SN: 180009

Location	ID	Instrument Type	Instrument Make and Model
J2	YH	Hood	Hood, Captair, Toxicap 1200, S/N E54522
J2	Z	Hood	Hood, Labconco 6 foot S/N Wetchem
J2	CLR	Color	Nessler tubes, matched, 50 mL, tall form
J2	Q	Ion Chromatograph	Metrohm model 881 Compact IC Pro, SN:03137
J2	Q	Ion Chromatograph	Auto-sampler Model 858, S/N: 02565
J2	Y	BOD Analyzer	ManTech CBOD AutoAnalyzer, Interface Module S/N MS-0E9-125, Rinse Pump 75RPM MS-0E9-147, Reagent Pump1 12ml/m S/N MS-H9-423, Reagent Pump2 12ml/m S/N MS-H9-41, Titrant Rinse Pump1 172RPM S/N MS-0F9-203, Titrant Rinse Pump2 172RPM S/N MS-0F9-202
J2	Y	BOD Analyzer	Liquid Handler, Gilson S/N 260A9N013
J2	Y	BOD Analyzer	DO Meter, YSI 5100 S/N 08a101707 w/ Probes YSI Model 5905
J2	Y-P	BOD Analyzer	Probe YSI 5095; Probe information in maintenance log books
J2	Y-A	BOD Aerator	Aquaculture aerator pump
J2	L	Color/Chlorine meter	Hach Pocket Colorimeter II S/N: 08060E100325
J2	AA	Karl Fisher	Karl Fisher AQV-300 Aquacounter S/N 9421026-03
J2	TX	TOX	EST, Trace Elemental Instruments, Xplorer SN: 2017.017 w/ tutration cell SN:2017.0831
J2	SX	TOX-Prep	EST, sample prep chamber, Xprep-3 SN: 2017.034
J2	XX	Inhibitor Dispeser	Hach Nitrification Inhibitor Dispeser
J2	R6	Regulator	Oxygen Regulator
J3	G	Mercury Analyzer	Perkin Elmer FIMS 100, S/N 1403
J3	G	Autosampler	Autosampler AS91 Perkin Elmer S/N: 1174
J3	GH	Hood	Hemco Fume Hood S/N L08-1619
J3	M	ICP-MS	ICP-MS Thermo Fisher Model ICAP Q, S/N 0722
J3	M	ICP-MS	Autosampler CETAC ASX-520 S/N 111326A520
J3	A	ICP-OES	ICP Thermo Scientific icap 7400, SN#: IC74Duo285
J3	A	ICP-OES	Cetac ASX-560 S/N: 021501A560
J3	E	Balance	Sartorius Universal - Type U6100D=**V20C S/N 39030020
J3	F	Centrifuge	VWR Centrifuge S/N: LC19AAG0000005
J3	P	Hot Block Digester	Questron Technologies, S/N QW14040B
J3	Q	Hot Block Digester	Questron Technologies, S/N QW14040C
J3	W	Hot Block Digester	SCP Science DigiPrep Keypad, S/N: KPX1019304165
J3	U	Hot Block Digester	Environmental Express Hot Block/SC154, S/N 944CEC0974
J3	C1	Digestion Block Controller	SCP Science DigiPrep Keypad S/N: KPX1019304165
J3	C2	Digestion Wireless Block Controller	Questron Technologies Corp S/N: QW14039A
J3	C3	Digestion Block Controller	Questron Technologies Corp S/N: QW14040.1
J3	C4	Digestion Block Controller	Questron Technologies Corp S/N: QW14140.1
J3	N	Sonicator	Model 2510 Branson S/N RLA110735474E
J3	R	ICP-MS	ICP-MS Thermo Fisher Model ICAPRQ, S/N: ICAPRQ02518
J3	R	ICP-MS	Autosampler CETAC Model: ASX-560; S/N: 052002A560
J3	R	ICP-MS	Chiller Thermo Fisher Model: ThermoFlex2500; S/N: 1171123101200527
J3	S	Shaker	Shaker, VWR, S/N 201933595
J3	T	Turbidimeter	Hach 2100P Turbidimeter S/N: 030300030552
J3	L6	Label Maker	Zebra Tchnologies Corporation, Model LP2824, S/N 22J142000024
J3	L7	Label Maker	Dymo Label Manager 160
J3	R7	Regulator	Helium Regulator
J3	V4	Vacuum Pump	Vacuum Pump, Thomas model 905CA23-814A, S/N: 31001657526
J3	DPHCL2	Dispenser Pipette	Dispensette S 1-10mL
J3	DPHNO3	Dispenser Pipette	Dispensette S 1-10mL
J4	A	Chiller (J3A)	Chiller Polyscience S/N 1709-05880
J4	M	Chiller (J3M)	Chiller Thermo Flex 2500 S/N ME04026-25
J4	R18	Regulator	Nitrogen Regulator 2 tanks (Right (R) & Left (L))
J4	B	Nitrogen Generator	Generon, GN2 S/N MM201003
J4	B	Nitrogen Generator	IR Ingersoll Rand, Model 47672061004, S/N (M) 1/29/2020-S11483-3372
J4	B	Nitrogen Generator	Oil Free Scroll Compressor, Model SLAE05E, S/N XG5550
J5	R1	Regulator	Air regulator
J5	R2	Regulator	Hydrogen regulator
J5	R4	Regulator	Argon regulator
J5	R20	Regulator	Helium Regulator - 2 tanks (Left (L) & Right (R)); Airgas Manifold Model # 5264071-20-001, S/N 19714502
J5	R21	Regulator	Nitrogen Regulator - 2 tanks (Left (L) & Right (R)); Airgas Manifold Model # 5264071-20-001, S/N 19C14TV7
J6	A	Incubator	Isotemp Fisher S/N 60800235 / 650D
J6	B	Waterbath	ThermoScientific, Precision Model 2862 s/n 2014896-326
J6	N	Waterbath	ThermoScientific, Precision (small) S/N 605041205
J6	S	Waterbath	Thermo Scientific, Precision Waer Bath Model # 2866, SN 202324-181
J6	C	Autoclave	Autoclave Tuttnauer Model 2540M, SN:9902128
J6	J/G share	Incubator	B/T Sure Incubator Block Fisher S/N 1041011085380
J6	D	Hot Plate	Corning PC-4200 S/N 033507291113
J6	E	Microscope	VWR VistaVision Compound Binocular Planar SN:0831287
J6	F	UV Lamp	MMO-Mug Lamp Spectroline: E-series S/N876324
J6	G	Dessicator	Dessicator Dry Keeper S/N: 6246001
J6	H	Incubator	Fisher Econotemp, Model 55D, S/N 110
J6	X	Incubator	Isotemp Fisher S/N 209N0293 / 650D
J6	J	Membrane Dispenser	EZ- Filter Membrane Dispenser Millipore S/N 006774
J6	K	Colony Counter	Quebec Colony Counter S/N 11158-1
J6	V5	Vacuum Pump	Vaccum pump GE, Model 5KH33DN16HX, S/N G8GCX
J6	M	Manifold	Manifold for 6 funnels S/N 0057
J6	M	Filter Funnels	6 Filter funnels Gelman Scientific
J6	PC	Conductivity Meter	Conductivity Meter, Mettler Toledo, Model SevenMulti, S/N 123135105
J6	PC-P	Conductivity Meter Probe	Probe information in maintenance log books
J6	P	pH meter	pH meter, Mettler Toledo, Model SevenMulti, S/N 123135105
J6	P-P	pH meter probe	Probe information in maintenance log books
J6	R	Refrigerator #1	Refrigerator S/N BA81617862
J6	Q	Refrigerator #2	Refrigerator S/N LR734900

Location	ID	Instrument Type	Instrument Make and Model
J6	U	UV Sterilizer	U.V. Sterilizer Millipore S/N 655995
J6	W	Quanti-Tray Sealer	Quanti-Tray Sealer PLUS, IDEXX, SN#QTP13173302808
J7	E	FID	FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 650N4032301
J7	B	FID	FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 650N407602
J7	A	FID	FID Gas Chromatograph, Perkin Elmer, Autosystem GC model 9000,Serial # 610N3051706
J7	M	FID	Dual FID Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 650N6042707
J7	P	GC/MS	Gas Chromatograph, Agilent, Model 6890N (G1530N) S/N US10623036
J7	P	GC/MS	Mass Spectrometer, Agilent, Model 5973 (G2577A) S/N US52440695
J7	P	GC/MS	Injector, Agilent, Model 7683 (G2613A) S/N CN13922353
J7	P	GC/MS	Autosampler Tray, Agilent, Model 7683 (G2614A) S/N US54715576
J7	SPARE	GC-MS	Autosampler Tray, SN US63115648 with Tower, S/N US93108491
J7	L	GC/MS	Gas Chromatograph Shimadzu GC model 2010 serial# 609195 14/25 SA interfaced to Mass Spectrometer, Shimadzu, GCMS-QP 2010 Serial # C70464300481 with Autosampler, Shimadzu, Model # AOC-20i, Serial # C12125818466SA.
J7	T	GC-MS	Gas Chromatograph Shimadzu model GC-2010 Plus, Serial #10681550 interfaced to Mass Spec QP2010SE, Shimadzu, Serial # 020534850003, with Autosampler, Shimadzu, Model # AOC-20i, Serial # C11314813186SA
J7	H	GC-MS	Gas Chromatograph Shimadzu model GC-2010, Serial #626455 interfaced to Mass Spec QP2010, Shimadzu, Serial # C70264000216, with Autosampler, Shimadzu, Model # AOC-20i, Serial # C11314101671SA
J7	Z	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 650N6051605
J7	Y	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 665N7020907
J7	F	NPD	Dual NPD Gas Chromatograph, Perkin Elmer, Clarus 500 with autosampler,Serial # 650N8021502
J7	X	ECD	ECD Gas Chromatograph, Perkin Elmer, Clarus 590 with autosampler,Serial # 590S1801037
J7	N	Refrigerator	Frigidaire Refrigerator Top.BT
J7	R8	Regulator	Helium Regulator
J7	R9	Regulator	Helium Regulator
J7	R10	Regulator	Air Regulator - 2 tanks (Left (L) & Right (R)); Manifold Model # 20668350, S/N 188125PE
J7	R11	Regulator	Hydrogen Regulator
J7	R12	Regulator	Helium Regulator
J7	R13	Regulator	P5 Regulator
J7	R14	Regulator	Helium Regulator
J7	R15	Regulator	Helium Regulator
J8	DE	Shaker	8 position Sample Shaker, Custom
J8	DD	Shaker	Mid Range 3D Sample Shaker, Glas-Col, Model VS20012, Serial# 380113
J8	EE	Shaker	Glas-Col Model 099A BT1000ST, Serial# 11334691
J8	FF	Balance	Balance-Open Top Loader, Citizen CZ1502, Serial # 0025016006
J8	GA	Standards Refrigerator	Magic Chef 4.4 cubic ftModel MCRB 440S2 S/N 2700102202
J8	G	Centrifuge	Centrifuge, Damon/IEC Division, Model IEC Spinette, Serial# 49002109
J8	J	Vacuum	Vacuum Pump, GAST Manufacturing,, Model 0523-V4F-G582DX, Date Code 0894, MFG# F947
J8	K	Vacuum	Vacuum Pump, Marathon 0523-V4A-G588DX SN F11J20040
J8	H	Hood	One Pointe Solutions Model N/A, Serial N/A (Custom Built Hood)
J8	CO	Hood	Safeaire, Fisher Hamilton.
J8	M	Hood	Lab Hood, Custom made canopy hood, Serial NA
J8	N	Hood	Lab Hood, Labconco, Cat # 72861003726, Serial # 990361003
J8	P	Hood	Lab Hood, Labconco, Cat# 48801003726, Serial# 990861956
J8	8R"SN"	Sonicator	Sonicator, Branson, Model 3510R-MT, Serial # PMA090033034E
J8	8S"SN"	Sonicator	Sonicator, Branson 8510 S/N RPA100594526E
J8	O	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, Serial # VV0312N11590
J8	V	3 door Refrigerator	McCall Refrigerator, model 7-7070TC, SN# 1-709005
J8	W	TurboVap	TurboVap Concentrator, Calliper Life Sciences, Model TurboVap II, Serial # TV0511N12209
J8	X	TurboVap	TurboVap Concentrator, Calliper Life Sciences, Model TurboVap II, Serial # TV0636N13247
J8	Y	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, Serial # TV9824N8174
J8	ME	TurboVap	TurboVap Concentrator, Zymark, Model TurboVap II, Serial # TV0846N14910
J8	Z	Waterbath	VWR Scientific Water Bath Model #1235PC S/N 1202391
J8	CC	Oven	Drying Oven, Cole Palmer Instrument Company, Model 52412-88 S/N 1A045479
J8	Q	Dishwasher	Frigidaire Model FFBD2406NW
J8	VX	Vortexer	Fisher model 231, SN# 808N0371
J8	L3	Label Printer	Zebra Tchnologies Corporation, Model LP 2824, S/N 22J142000087
J8	L4	Label Printer	Zebra Tchnologies Corporation, Model LP 2844, S/N 64A050500901
J8	L5	Label Printer	Brother, S/N U61041-A5J733961
J8	R17	Regulator	Nitrogen Regulator
J9	A	IR Gun	ETEKCITY Infrared Thermometer Model Lasergrip 1080; S/N US04417G0-32
J9	B	Pipet	Dispensette Pipet SN 07M 28936
J9	C	Pipet	Dispensette Pipet SN 07M 28942
J9	L1	Label Printer	Zebra Tchnologies Corporation, Model LP 2844, S/N 42A063001966
J9	L2	Label Printer - Fed EX	Zebra Tchnologies Corporation, Model ZP 505 S/N: 27J201400322
J9	S	Scale	Scale, Model: 4010-8B, S/N 000395
J10	A	Low Level Hg	Teledyne Quick Trace M-8000 S/N: US15268009
J10	B	Hood	Erlab, Model Captair 481 Smart S/N: 4481-1902
J10	DP HCL	Dispenser Pipette	Dispensette S 1-10mL
J10	C	TOC analyzer	OI Analytical Aurora 1030W S/N: 21B104056

Location	ID	Instrument Type	Instrument Make and Model
J11	A	LC/MS	Multisampler, Agilent, Model 1260 (G7167A), S/N DEAGX00166
J11	A	LC/MS	Binary Pump, Agilent, Model 1260 (G7112B), S/N DEAE900549
J11	A	LC/MS	Column Compartment, Agilent, Model 1260 MCT (G7116A), S/N DEAED18242
J11	A	LC/MS	QQQ (Triple Quad), Agilent, Model 6470 LC/TQ (G6470A), S/N SG1729D102
J11	A	LC/MS	Source, Agilent, Model G1958-65138, S/N SG17229039
J11	A	LC/MS	Rough Pump, Agilent, Model G1960-80040, S/N 1TZ0055079
J11	B	Balance	Electronic Balance, Ohaus, Model SPX2202, S/N B941389328
J11	C	Evaporator	N-Evap 111, Organomation, Model 5585, S/N 63234
J11	D	Refrigerator	Mini Refrigerator, Danby, Model DAR033A6BSLDB, S/N 4319023068347
J11	E	Vortex	Miniature Vortex Mixer, Ward's Science, Model BV101-R, S/N 19091938
J11	F	Manifold	Restek, Fishbowl Manifold no serial number
J11	G	Refrigerator	Refrigerator, Atosa Model MCF8705GR, S/N MCF8705GRAUS100320011000C40017
J11	H	Manifold	Restek, Fishbowl Manifold no serial number
J11	I	Hood	Air Science, Model Pur Air - P30-XT, Serial # P92943
J11	K	HPLC	HPLC with Post Column reactor consisting of nine components
J11	K	HPLC	Agilent 1100 Series Quaternary Pump, Model G1311A, Serial # DE62959726
J11	K	HPLC	Agilent 1100 Series Degasser, Model G1379A, Serial # JP13212634
J11	K	HPLC	Agilent 1100 Series Autosampler, Model G1313A, Serial # DE33224082
J11	K	HPLC	Agilent 1100 Series Thermostatted Column Compartment, Model G1316A, Serial # DE33237128
J11	K	HPLC	Agilent 1100 Series Fluorescence Detector(FLD), Model G1321A, Serial # DE33205207
J11	K	HPLC	Agilent 1100 Series Diode Array Detector(DAD), Model G1315B, Serial # DE22616014
J11	K	HPLC	Mulan Laboratory Post Column Reactor, ASI Model 310-0501B, S/N: 1801
J11	K	HPLC	Post Column Reagent Pump#1, Model Series 1, Serial # Z0051898
J11	K	HPLC	Post Column Reagent Pump#2, Model Series 1, Serial # Z0425421
J11	R5	Regulator	Nitrogen Regulator
J11	V3	Vacuum	Vacuum Pump, Welch, Model 2546B-01, S/N 071000002287
J12	A	Rotator	Rotary Extractor, Lars Lande Mfg, Serial #1270
J12	B	Rotator	Rotary Extractor, Lars Lande Mfg, Serial #NA
J12	C	Hood	Air Science, Model Pur Air P5-48-XT S/N P90212
J12	E	Balance	Balance-Open Top Loader, Citizen CZ1002, Serial # 950172040
J12	FZ	Freezer	Wood's Freezer Model C05BBA Serial # 01705046CJ
J12	HP	Hot Plate	Hot Plate with stir, Thermo Scientific, Cimarec+, S/N C3010018041627041
J12	M	Refrigerator #1	Refrigerator, GE, Model TBX18LLB, S/N TD570495
J12	K	Refrigerator #2	Refrigerator,Frididair, Model MET18DNGW1, S/N BA03206471
J12	PH	pH meter	Fisher Accumet pH Meter 25 S/N C0008273
J12	PH-P	pH meter probe	Probe information in maintenance log books
J12	T	Torque Wrench	Seekonk Precision Tools BT-2R at 48 In.lbs
J12	S	Hotplate/Stirrer	Cole Parmer Multi Hotplate/Stirrer Stuart SB162-3 S/N R360002135 (Position 1, 2, 3)
J12	ST	Stir Plate	5 position stir plate, model 505C, SN: 1709070505537
J12	V6	Vacuum	Vacuum Pump, Emerson Model 5BA-4-G482X; SN 0788
J13	B	Hood	Air Science, Model PTEFH-48, SN# PTEFH70703
J13	E3	Dessicator	Dessicator, orange box.
J13	G	Manifold	O&G vacuum Manifold 6 position-custom
J13	H2	Hot Plate	Hot Plate, Corning Model PC-600D S/N 013606286531
J13	N	Kiln	Cress Electric Kiln (240AC 23A), Model B-18-H, SN# 6606
J13	V2	Vacuum Pump	Vacuum Pump, Millipore S/N 030800000525

Location	ID	Instrument Type	Instrument Make and Model
G3	BC	Centrifuge	Damon IEC/ 42900893
G3	BD	Thermometer	SN 4479 For TP and Odor waterbath
G3	BE	Digestion Block	Cyanide Block Digester Westco/AD-40/20 Heater Base/1159
G3	BF	Controller	Cyanide Block Controller Westco/114-B400-01/1323
G3	BG	Vacuum Pump	Gast DOA-P704-AA (Solids)
G3	BH	Balance	VWR-Model 124B2 SN#659029
G3	BI	Stir Plate	VWR Scientific/205/5859
G3	BZ	Vacuum Pump	Gast DOA-P704-AA (Cyanide)
G3	BO	Probe	Conductivity YSI 3252
G3	BR	digestion block	Seal Analytical/50-place block/5148U00498
G3	BV	waterbath	Precision
G3	VM	manifold	Residue manifold
G3	XX	Nitr Inhibitor Dispenser	Nitrification Inhibitor Dispenser
G3	BV	Waterbath	Precision
G3	VM	Manifold	Residue manifold
G3	XX	Nitr Inhibitor Dispenser	Nitrification Inhibitor Dispenser
G4	A	Waterbath	BlueM/MW-1130-A1/M5-17669
G4	B	Autoclave	Tuttnauer Brinkmann/2340M/9712788
G4	C	Dessicator	Sanplatec Corp/Dry Keeper
G4	D	Dessicator	Sanplatec Corp/Dry Keeper
G4	F	Waterbath	Precision 66566 (SN:51220035)
G4	FS	Hot/Stir Plate	VWR/VMS-C4 (SN:C4/07.184059)
G4	G	Refrigerator	Frigidaire/FFTR1814TW0/BA74026903
G4	H	Incubator	Gallenkamp IPR225.XX1.1 (SN:SG92/08/113)
G4	I	Incubator	Equatherm/C1480/10AT-5
G4	J	UV Lamp	UVP, Inc./Black-Ray UVL56
G4	K	UV Sterilizer	Millipore/XX6370000
G4	L	Filter Funnel	Gelman Sciences Filter Funnel
G4	M	Filter Funnel	Gelman Sciences Filter Funnel
G4	N	Filter Funnel	Gelman Sciences Filter Funnel
G4	O	Microscope	Lecia model# 13395H1X, S/N: 051228615NT0013
G4	P	Filter Dispenser	Millipore/EZDISP001/00899
G4	Q	Funnel Manifold	Manifold for 3 Filter Assemblies/Gelman Scientific
G4	U	Vacuum Pump	Gast/0523-V191Q-G582DX/0006118657 - 4F740 (No Oil)
G4	V	Colony Counter	Gallenkamp CNW 325-030Y S/N: 13
G4	W	Qtray Sealer	Qunatitray Sealer Plus IDEXX, SN#QTP13193400213
G5	AO	Spec Standards	Thermo Fisher Standards Kit 333150-000, SN# SA0137
G5	A	Dessicator	NL
G5	C	Dessicator	Fisher
G5	K	Muffle Furnace	TableTop Furnace Company, SN: G5K20200416
G5	F	Oven	VWR/1340
G5	G	Oven	Lindberg Blue/LO-3
G5	I	Balance	Mettler Toledo/A2104/1228420311

Location	ID	Instrument Type	Instrument Make and Model
T1	A	Pump	Homasy Model: GD034B, SN: 20F11
T1	B	Incubator	VWR Forced Air Incubator 2.3CF SN: 42721730
T1	C	Refrigerator	Hotpoint Model HTS16ABMFRWM S/N VF752347
T1	D	Autoclave	Market Forge Autoclave Model STM-86, S/N: 8186
T1	E	Dessicator	Dessicator
T1	F	Dessicator	Pyrex Brasil Round Dessicator
T1	J	Manifold	Nalgene 3 - Fecal Coliform Filtering Manifold
T1	K	Manifold	Nalgene 3 - Total Coliform Filtering Manifold
T1	P	Dessicator	Pyrex Brasil Round Dessicator
T1	T	UV Sterilizer	Millipore UV Sterilizer, S/N: XX6370000
T1	AA	UV Lamp	Spectroline EA-160 Longwave UV Lamp SN: 1103053
T1	CC	Dessicator	Dessicator
T1	AC	Incubator (41°C)	Gallenkamp Incubator 1PR225.XX1.1 S/N SG92/08/113
T1	AD	Refrigerator	Haier Compact Fridge Model HC46SF10SB S/N: 1403016308
T1	AE	Microscope	VWR Vista Vision Microscope 0831264
T1	AJ	Incubator (35°C)	Gallenkamp Incubator 1PR225.XX1.1 S/N SG92/08/116
T1	AL	Heating Block	Thermo Multiblok Model 2050 S/N C1648110831870
T1	AM	Stir/Hot Plate	Thermo Model 88857100 S/N C3710002061634197
T1	S	Stir/Hot Plate	Corning Model PC-320
T1	AV	Waterbath	LW Scientific Model DSB-1000D S/N 1212103
T1	AN	Waterbath	LW Scientific Model DSB-1000D S/N SBD2-16040039
T1	AO	Membrane Dispenser	EZ-Pak Millipore Model EZDISP001 S/N 001196
T1	AP	Membrane Dispenser	EZ-Pak Millipore Model EZDISP001 S/N 003099
T1	AQ	Pump (FC)	Gast Model DOA-P704-AA SN: 0717004367
T1	AR	Pump (TC)	Gast Model DOA-P704-AA S/N 1212052200
T1	AT	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T1	SE	Q-Tray Sealer	Quanti-Tray Sealer PLUS, IDEXX, model 89-0003936, SN: QTP13182503880.
T1	W	Waterbath	Thermo Scientific Waterbath, Mod: TSGP20, SN: 300264452
T1	BA	Balance	Cole Palmer SPA 224I SN: PL9YCN222
T2	BU	Pipette	Wheaton Socorex 100-1000 uL S/N: 17041133
T2	A	Pipette	Eppendorf 2-20uL Pipette SN 391418A
T2	B	Conductivity meter	YSI 30 Salinity/Conductivity/Temperature Meter S/N: 03H0313
T2	C	Fluoride probe	Beckman 511141 F001508-003B Lot# Jan-20
T2	D	Settling Cone	Bel-Art Imhoff Settling Cone; 1000ml, Mod 389900000, No SN
T2	E	Settling Cone	Bel-Art Imhoff Settling Cone; 1000ml, Mod 389900000, No SN
T2	F	Oven	VWR Oven Gr Con 3.7CF, Mod 89511-406, SN: 42553851
T2	G	BOD/CBOD Analyzer	Seal ML V3 200M 2BOD-Prep YSI, SN: 8593
T2	G	BOD/CBOD Meters	YSI Pro Solo, SN: 200203735 & 200201873
T2	H	Spectrophotometer	Hach DR 5000 Spectrophotometer S/N: 1191482
T2	I	Pipette	Wheaton Socorex 1-10 mL S/N: 16091243
T2	J	BOD/CBOD Probe	YSI ProOBOD, SN: 20B121937
T2	K	Oven (104C)	Thomas Scientific TSOV2G S/N: 10009307
T2	L	BOD/CBOD Probe	YSI ProOBOD, SN: 20B121933
T2	M	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T2	N	Dessicator	Dry Keeper Sandplate Corp Dessicator for Balance Weights
T2	O	pH probe	HACH phC201 S/N: 200422612460
T2	P	BOD/CBOD meter	HACH HQ40d Multimeter, SN: 080100016991
T2	Q	BOD/CBOD probe	LDO LBOD101, SN: 080213031424
T2	R	Pipette	Thermo Scientific Finnpipette F1 0.5-5mL, SN: RU22403
T2	V	Vortexer	Scientific Industries, Vortex Genie 2, Model G-560
T2	W	Turbidimeter	Hach 2100N Turbidimeter, S/N: 10030C026187
T2	Z	Hot plate	Fisher Stir-Plate/Hot-Plate, S/N: 1000019
T2	AZ	Waterbath	ThermoScientific Model 2845 SN: 204769
T2	AB	Weights	Christian Becker Calibration Weights SN: 59110
T2	AX	SEAL	Seal Quaatro 39, SN: 8035329
T2	AT	SEAL	SEAL Model: AQ300 Discrete Autoanalyzer SN: 031031
T2	AO	SEAL	SEAL AQ2e Discrete Autoanalyzer SN: 090617
T2	CC1	Ion Chromatograph	Metrohm 930 Compact IC Flex S/N: 1930200014153; 1858002005369
T2	EE	Titration Stand	N/A
T2	II	Digestion Block	COD Reactor (Bioscience Inc.), S/N: COD-B0165
T2	LL	TOC Autoanalyzer	Shimadzu TOC-VCSH S/N: H51104335138
T2	LL	TOC Autoanalyzer	Shimadzu ASI-V S/N: 40952843
T2	MK	Hot Block	Environmental Express SC100- SN#424CEC0573
T2	EEE	Vortex	Immunotec Inc Vortex, S/N: 148-000446
T2	KK	Pipette	Wheaton Socorex 1-10 mL S/N: 13091133
T2	DU	Balance	Cole Palmer S-PA 224E, S/N: PL9Y4N86
T2	BA	Balance	Mettler Toledo AL104 Balance S/N 1228420314
T2	BD	SEAL	SEAL AQ2e Discrete Autoanalyzer SN: 090615
T2	BE	Isotemp	Isotemp 220 S/N 91ONO477
T2	BL	Pipette	Wheaton Socorex 100-1000 uL S/N: 06041167
T2	BM	BOD Autoanalyzer	ManTech PC-BOD analyzer
T2	BM	BOD Autoanalyzer	PC-1000-102/4 S/N: MS-0C9-553
T2	BM	BOD Autoanalyzer	PC-1000-408 S/N: MS-0L8-390
T2	BM	BOD Autoanalyzer	PC-1000-408 S/N: MS-0L8-391
T2	BM	BOD Autoanalyzer	PC-1000-416 S/N: MS-0C8-178
T2	BM	BOD Autoanalyzer	PC-1000-416 S/N: MS-0D8-181
T2	BM	BOD Autoanalyzer	PB-10021 S/N: MS-0D8-126
T2	BM	BOD Autoanalyzer	PC-1104-00 S/N: MS-0B9-914
T2	BM	BOD Autoanalyzer	GX-271 S/N: 260J8N273
T2	BM	BOD Autoanalyzer	YSI DO Meter S5100 with probe Mantech PCE80-PH1013, Lot: 4169
T2	XX	Nitr Inhibitor Dispenser	Nitrification Inhibitor Dispenser
T2	BP	Solid Sample Module	Shimadzu Solid Sample Module SSM-5000A S/N: H52504600424NK

Location	ID	Instrument Type	Instrument Make and Model
T2	BR	Refrigerator	Frigidare All Refrigerator S/N: FRU17G4JW9
T2	BS	Shaker	Burrell Wrist Action Shaker Model 75 SN: J000259
T2	BX	Micro Distillation	Lachat Micro Distillation System S/N: 100700002080
T2	BZ	QUATTRO	Quattro S/N: 8004332
T2	BZ	QUATTRO	Quattro XY-2 Sampler S/N: 5019A15442
T2	CD	Pipette	Fisherbrand Finnpipette II 100-1000uL SN: HH87983
T2	CE	Pipette	Wheaton Socorex 1-10 mL S/N: 22121031
T2	CJ	Digestion Block	SEAL BD50 Digestion Block S/N: 5146U00666
T2	CJ	Digestion Block	SEAL BD "s" Controller S/N: 5146U00667
T2	CK	Refrigerator	Haier Refridgerator, Model-HBCN05FVS S/N: 1108000036
T2	CL	Pipette	Socorex 20-200 uL S/N: 22011118
T2	DX	Dispenser	Barnstead Labindustries Repipet III 0.5-10mL
T2	CM	Pipette	Socorex 20-200 uL S/N: 22011115
T2	CN	pH/Ion meter	Fisher Scientific Accumet XL250 Dual Channel pH/Ion/Cond Meter S/N:XL94102693
T2	CO	BOD Incubator	VWR BOD Incubator model 2020 S/N 11055205
T2	CP	Refrigerator	Frigidaire FRU17G4JW22 S/N: WA34202295
T2	CQ	Cyanide Manifold	12 position manifold
T2	CR	Cyanide Manifold	12 position manifold
T2	CS	Vacuum Pump	Gast Vacuum Pump S/N: 15006438
T2	CU	Pipette	Socorex 20-200 uL S/N: 21041098
T2	CZ	Vacuum Pump	GE 5KH33DN16HX S/N: 220290
T2	DA	Centrifuge	International Equipment Clinical Centrifuge S/N: 428-24101
T2	DB	Stir/Hot Plate	Thermo Scientific SP88857100 S/N: C3710015041500829
T2	DC	Stir/Hot Plate	Corning PC-420 S/N: 230597148652
T2	DD	Stir Plate	Corning PC-353 S/N: N/A
T2	DE	Stir Plate	Hanna HI190M S/N: 1066416
T2	DF	Dessicator	Sanplatec Dry-Keeper (Dessicator)
T2	DG	Balance	AE Adam CQT202 S/N: AE75314173
T2	DH	pH/Ion meter	Hach HQ440d S/N 150500000400
T2	DJ	Vacuum Pump	Gast Vacuum Pump S/N: 0616006832
T2	DK	BOD Probe	YSI 5905 BOD Probe Lot: 17A100338
T2	DM	TOC Autoanalyzer	Shimadzu TOC-V CPH S/N: H51304635160 CS, Auto sampler: Shimadzu ASI-V
T2	DN	TOC Autoanalyzer	Tekmar Phoenix 8000 S/N: US01267001, Auto sampler: Tekmar S/N: 190J1359
T2	DO	BOD Incubator	Precision MFU20F3GW6, S/N: WB91702561
T2	DQ	Oven	Quincy Lab 20GC, S/N: G2-3736
T2	DT	Oven	Quincy Lab Oven, Model 40E, SN-G4E:00592
T2	DR	pH Probe	Thermo Scientific Orion 9107BNMD, Lot: VY1 **exp: 8/18**
T2	DS	pH meter	Thermo Scientific Orion Star A121, S/N: H 05815
T2	DU	Analytical Balance	Cole Palmer S-PA 224E, S/N: PL9Y4N111
T2	DV	Vacuum Pump	Gast Vacuum Pump S/N: 0517000679
T2	DW	Hood	Air Science PURAIR-P5-48, S/N: P80376
T2	DZ	TKN-TP Digestor	Gerhardt Model EBLs SN: 5713180088
T2	PA	Pipette	Socorex Acura 825 20uL pipette-SN 28061072
T2	PB	Pipette	Socorex Acura 825 1000uL pipette-SN 27091783
T2	PC	Pipette	Socorex Acura 825 1000uL pipette-SN 28012162
T2	PP	Pipette	
T2	EA	Dessicator	Nalgene Cat #: 5317-0120
T2	SR	Manifold	Filter Funnel Manifold 3-place PVC
T2	SW	Manifold	Stable Weigh filling station SN: 56-8025
T2	RR1	Aerator	Aqua Culture SN: 031510
T2	RR2	Aerator	Aqua Culture SN: 031510b
T2	RR3	Aerator	Aqua Culture SN: Oct2000
T2	RR4	Aerator	Second Nature – Model: Whisper 400, SN: Jan 08 1997
T3	A	Pipette	Thermo Scientific Finnpipette F2 SN: QU39846 1-10mL
T3	C	Hood	Fisher American Model 6-31-SWNXX-XX, SN: 001670061020
T3	D	Shaker	GLAS-COL VS5502, SN: 253003
T3	E	Hood	Safaire, Fisher Hamilton
T3	F	Centrifuge	IEC Clinical
T3	G	Re-pipettor	Kontes 60mL re-pipettor
T3	H	Hood	Labconco Mdo 206514 SN: c2247300
T3	O	Hood	Hemco Mod 31411, SN# H11-4797
T3	AA	Hood	Labconco Purifier Class II Safety Cabinet 36208-00 SN: 223243
T3	AC	Hood	Labconco Purifier Class II Safety Cabinet 36208-00 SN: 247005
T3	AB	Hood	Nualve Model: NU-425-600, SN: 23636 WW
T3	B	Oven	Drying Oven, Equatherm
T3	R	Shaker	Shaker, Thames Technologies, Inc., 4 position
T3	S	Sonicator	Sonicator, Branson, Model 8510, S/N: RPA100734054F
T3	T	Turbovap	Concentrator, Zymark model: TurboVap II, S/N: TV0351N12079
T3	U	Turbovap	Caliper Life Sciences, Turbo Vap II S/N: TV10846N14915
T3	V	Turbovap	Caliper Life Sciences, Turbo Vap II S/N: TV1048N16240
T3	W	Turbovap	Caliper Life Sciences, Turbo Vap II S/N: TV9835N8307
T3	W2	Waterbath	ThermoFisher Model 180 series 2835 S/N: 295627-1153
T3	AE	Refrigerator	Atosa B Series, Model: MCF8707, S:MCF870707716091800C40013
T3	BA	Balance	Cole Palmer 12 vac 800ma SN: PL98001181
T3	P1	Pipette	Socorex, Model-Acura 35.10, SN28061435
T3	AA	Dispenser	Barnstead Labindustries Repipet III 0.5-10mL Dispeser
T3	AH	Refrigerator	Hotpoint Fridge HTS18GBSARWW S/N RM738789
T4	B	FID	Perkin Elmer Clarus GC, FID detector S/N: 650N3111209
T4	C	ECD	Perkin Elmer Clarus 500 GC, dual column, dual ECD, single injector, S/N: 650N8022904
T4	D	GC-MS	Shimadzu Mod: GCMS-QP2020 NX, SN: O21745850334
T4	E	FID	Perkin Elmer Clarus GC, FID detector S/N: 650509082705
T4	F	GC-MS	Shimadzu GC-2010, GCMS-QP2010 Plus S/N C70504400019SA

Location	ID	Instrument Type	Instrument Make and Model
T4	M	ECD	Perkin Elmer Clarus 500 GC, dual column, dual ECD,S/N: 650N5022501
T4	G	Refrigerator	Whirlpool, cat#WH31S1E, ser # T88170909159
T4	I	FID	Perkin Elmer Clarus GC, FID detector SN 650N4032903
T5	A	GC-MS	Shimadzu GC-2010, GCMS-QP2010 SE S/N 020535350268 US
T5	A	GC-MS	Concentrator: EST SN: EVX1214072420
T5	A	GC-MS	Autosampler: EST Cent WS SN: CENTS555041018
T5	E	Refrigerator	Hotpoint Fridge Model HTS18GBSARWW S/N RM738833
T5	H	Balance	Ohaus Scout Pro Balance S/N 7130441177
T5	C	GC-MS	Shimadzu GCMS-QP2010SE S/N: 020535350270
T5	C	GC-MS	Concentrator - EST S/N: EV672051415
T5	C	GC-MS	Autosampler: EST Centurion WS S/N: CENTS208121510
T5	D	GC-MS	Shimadzu GCMS-QP2010SE S/N: O20535550377
T5	D	GC-MS	Shimadzu GC-2010m Plus -S/N 17 08
T5	D	GC-MS	Concentrator: EST SN: EV877092117
T5	L	Refrigerator	Whirlpool EST WRR56X 18FW00 S/N: U62106567
T5	K	Refrigerator	Fridgidaire LFFH20F3QWC S/N: WB61145404
T5	M	Pipette	Thermo Scientific Finnpipette F2 0.5-5 mL S/N: MH47289
T5	N	Water purifier	Thermo Scientific, Barnstead Micropur ST, SN41759414
T6	A	Rotator	Bodine Electric Company Model: DC-20 8 - place rotator No:07410072, S/N: 5685XCBA0023
T6	B	Rotator	Bodine Electric Company Rotator, S/N: 0685EPGA10106
T6	D	Rotator	8 position Bodine Rotator, S/N: 5685SMAP0042
T6	C	Rotator	Thames Tech Rotator
T6	D	Timer	Fisher Scientific Traceable Timer S/N 130133083
T7	A	Water purifier	Veolia MOD: CLXXXUVM2-US, SN: CLA00003436
T7	B	Mercury analyzer	FIMS 100 Mercury analysis system from Perkin Elmer, SN:101S20090901
T7	B	Mercury autosampler	Cetac S23 Autosampler from Perkin Elmer, SN:092020S23
T7	C	Mercury Analyzer	AquaCounter HG400 & Autosampler S/N: P638022-05
T7	D	Digestion Block	Environmental Express MOD: SC154, SN: 2019CECW5264
T7	E	Pipette	Socorex 20-200 uL S/N: 17121020
T7	F	Pipette	Wheaton Socorex 0.2-2.0 mL S/N: 17121020
T7	G	ICP	Thermo Scientific, ICAP PRO SERIES, SN: iCAPPRO60094
T7	G	ICP autosampler	Teledyne ASX-560, SN: 0320142A560
T7	G	ICP Chiller	Thermo Fisher Scientific Mod: Flex 900, SN: 1122603401190515
T7	I	Digestion Block	CPI MOD Block S/N: 05-C0530
T7	H	Hood	6' Fisher American Chemical Fume Hood, Model: 6-31
T7	J	Digestion Block	CPI MOD Block S/N: 4030311
T7	K	Pipette	Sartorius Tacta 1-10mL S/N 39183229
T7	L	AA	Perkin Elmer, A Analyst 600 S/N 600S7070401
T7	M	Balance	Highland HCB602aM Adam Equipment Toploading Balance SN: AEA3F00045
T7	PB	Pipette	Socorex 0.2-2mL Pipette MOD: Acura 835 SN: 29091058
T7	Q	Pipette	Wheaton Socorex 0.2-2.0 mL S/N: 08062293
T7	R	Pipette	Socorex 10m pipette Model 832 SN: 29071011
T8	D	Turbidimeter	Turbidimeter Lamotte 2020 S/N:4408-2703
T8	G	Peristalic Pump	Sigma Peristalic Pump S/N: 14232A107-R2 5213
T8	K	Submersable Pump	Fultz Pump-Submersable S/N: 40095
T8	O	Conductivity Meter	YSI #30/25 Conductivity Meter S/N:03H0313
T8	P	pH Meter	YSI pH 100 meter S/N JC01825
T8	Q	Probe	YSI 556 MPS Multi Probe S/N 08F101190
T8	Q	Probe	YSI 5560 COND/TEMP probe S/N: 08F100094
T8	Q	Probe	YSI 5565 pH/ORP probe S/N: YSI556508F
T8	R	Colorimeter	HACH Pocket Colorimeter II S/N: 08060E101875
T8	S	pH Meter	Milawaukee MW102 S/N: D004717
T9	B	Refrigerator	Kool It, Mod: KGM-75, S/N: KGM75170701002
T9	C	Walk-in	Walk-in Refrigerator-Iso Panel S/N: 36234
T9	D	Muffle Furnace	Fisher Scientific, Model 497, Serial 20300019
T9	E	Muffle Furnace	Barnstead/Thermolyne 30400 Furnace, Model: F30438C, SN: 54400440
T10	A	IR Gun	Oakton TempTestr IR Infrared Thermometer Gun SN: BUKR000035935
T10	B	Dispenser	L/I Repipete III 0.1-10 mL Dispenser
T10	C	Dispenser	Dispenser 0.1-1.0 mL S/N: A08402005

Florida's Largest Laboratory Network

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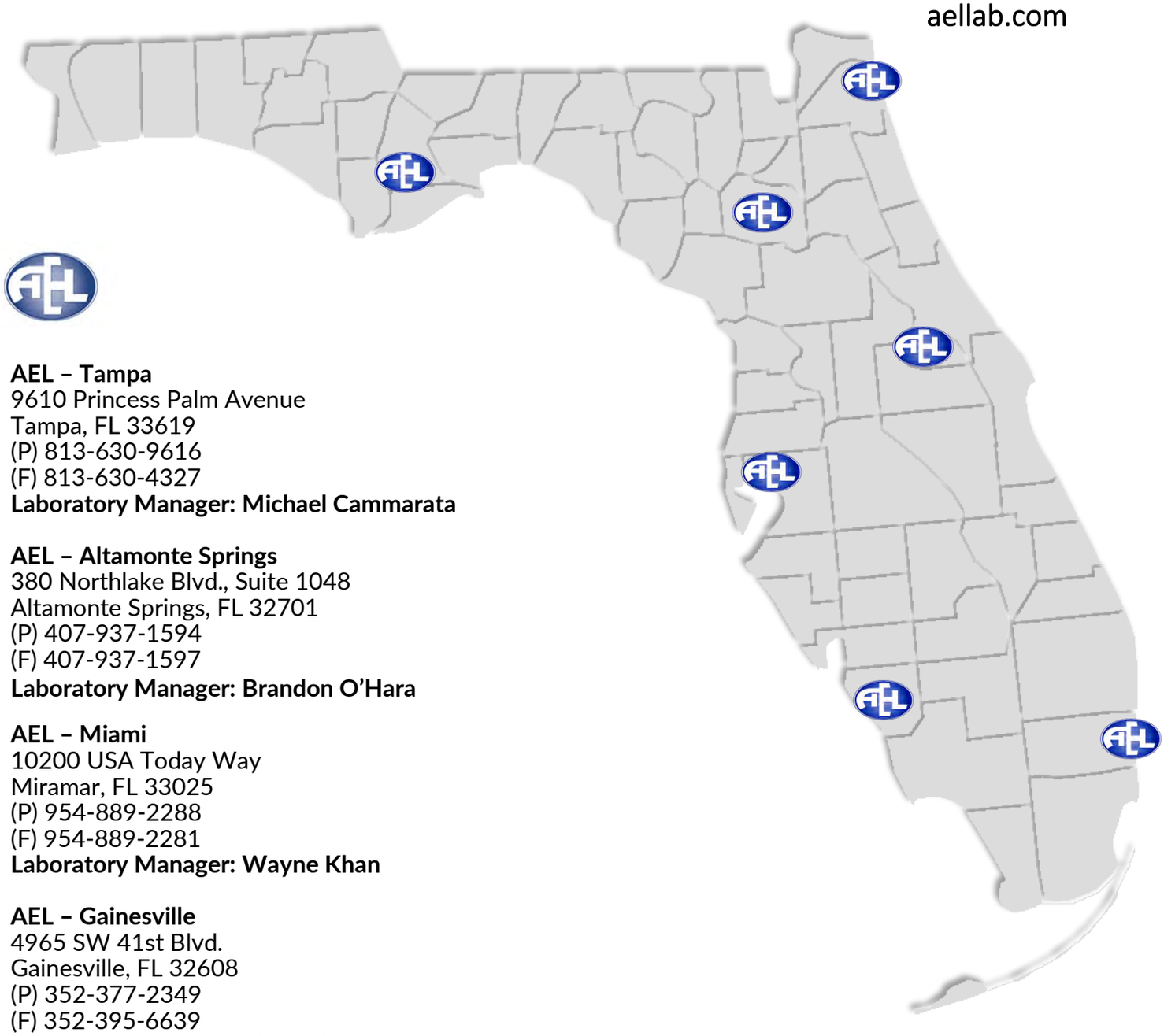

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APPROVED BY COUNCIL
4-18-2022

CITY COUNCIL AGENDA ITEM	
TO:	Michael J. Staffopoulos, City Manager
FROM:	Dennis Barron, Jr., Director of Public Works
DATE:	03/22/2022
SUBJECT:	RFP Number 05-2122 Environmental Sampling and Analytical Lab Services

BACKGROUND

The City of Jacksonville Beach operates three utilities – water, wastewater and stormwater – that require analysis of liquids, sediments, and solids related to various activities associated with the utility operations. Analytical results are used for process control and regulatory compliance.

As environmental and regulatory considerations grow more stringent, the consistency and quality of the analytical testing becomes ever more critical. The impact of failed testing can be extremely serious to the City. Analytical testing results are easily impacted negatively by:

- Improper handling and type/quality of sample containers.
- Hold time constraints between sampling and laboratory hours.
- Quality control and handling during transport.
- Chain of custody from sampling through laboratory analysis.

The cost of environmental sampling, transport, and laboratory analysis is an important secondary consideration.

The objective of RFP 05-2122 is to award continuing service contracts to provide high-quality, professional environmental laboratory services, which will include field sampling, flow monitoring, measurement of water levels, laboratory analysis and report preparation and correspondence with regulatory agencies for drinking water, wastewater and stormwater.

Typical analysis:

1. Drinking water analysis for compliance with state Department of Environmental Protection (DEP) permits and federal Safe Drinking Water Act requirements.
2. Wastewater analyses for compliance with the DEP permits and the federal Clean Water Act requirements.
3. Biosolids analyses for compliance with DEP and landfill requirements.
4. Stormwater analyses for compliance with DEP and federal stormwater National Pollutant and Discharge Elimination System regulations.
5. Emerging contaminants in potable water and wastewater (PFAS, PFOA, Etc.)
6. Other undefined water, stormwater and wastewater sampling as needed.

AGENDA ITEM:	C.
MEETING DATE:	April 18, 2022

Requests for proposals were sent to multiple vendors and we received one response.Of the three previous contract laboratories, there is only one currently still in business. The costs for this recommended lab are in line with the previous contract.

Staff recommends that the City Council award RFP 05-2122, "Environmental Sampling and Analytical Laboratory Services," as continuous service contracts for a period of five years to ***Advanced Environmental Laboratories, Inc.,*** and authorize the Mayor and City Manager to execute the contracts.

To review RFP # 05-2122 and all addenda, click HERE.
To review the Response to RFP #05-2122 submitted by Advanced Environmental Laboratories, Inc., click HERE.

FINANCIAL IMPACT

Funding for environmental sampling and analytical lab services is included in the annual budget. Staff will monitor costs incurred and adjust the budget as necessary via internal budget modification or as part of the year-end budget adjustment.

REQUESTED ACTION

Award/Reject RFP Number 05-2122 Environmental Sampling and Analytical Lab Services to Advanced Environmental Laboratories, Inc., and authorize the Mayor and City Manager to execute the final contract

ATTACHMENTS

1. Notice of Intent to Submit RFP for Approval and Award by City Council

AGENDA ITEM:	C.
MEETING DATE:	April 18, 2022