



**SOQ 22-054 Miscellaneous Environmental Services for the Jefferson  
Parish Department of Environmental Affairs**  
Jefferson Parish Government

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## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.



## TEC Professional Services Questionnaire

### **A. Project Name and Advertisement Resolution Number:**

Resolution No. 140859 - Miscellaneous Environmental Services

### **B. Firm Name & Address:**

Leaaf Environmental, LLC  
2301 Whitney Avenue  
Gretna, LA 70056



### **C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

Jim Blazek, Jr.  
Co-Owner & Chief Operations Officer  
Phone: 504.841.9816  
Email: jimblazek@leaaf.com

### **D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

Karen Irion, PE  
ksirion@leaaf.com  
504.342.2687  
2301 Whitney Avenue  
Gretna, LA 70056

### **E. Please provide the number of employees whose primary function corresponds with each category:**

<u>  2  </u> Administrative	<u>      </u> Estimators	<u>  1  </u> Specification Writers
<u>      </u> Architects (Licensed)	<u>  4  </u> Geologists	<u>      </u> Structural Engineers
<u>      </u> Chemical Engineers	<u>      </u> Geotechnical Engineers	<u>      </u> Graduate Engineers
<u>  1  </u> Civil Engineers	<u>      </u> Interior Designers	<u>  4  </u> Project Managers
<u>      </u> Construction Inspectors	<u>      </u> Landscape Architects	<u>  1  </u> Clerical
<u>      </u> Ecologists	<u>      </u> Land Surveyor	<u>      </u> Grant/Funding Specialist
<u>      </u> Electrical Engineers	<u>      </u> Mechanical Engineers	<u>      </u> Sanitary Engineers
<u>      </u> Engineer Intern	<u>  1  </u> Environmental Engineers	
<u>      </u> Professional Land Surveyors		<u> 14 </u> <b>TOTAL</b>

### **F. Is this submittal by a JOINT-VENTURE? Please check: YES                      NO X**

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1. N/A

2. N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES N/A NO

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. G.E.C., Inc. 3445 N. Causeway Boulevard Suite 707 Metairie, LA 70002	Coastal Use Permit Applications / Coastal Restoration Planning Assistance	Yes
2. PACE Analytical 1000 Riverbend Drive St. Rose, LA 70087	Laboratory / Testing Services (Soil and Water)	Yes
3. Eurofins EMLab P&K 6301 NW 5th Way Suite 2850 Ft. Lauderdale, FL 33309	Laboratory / Testing Services (Asbestos)	Yes

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

25

## TEC Professional Services Questionnaire

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

<b>Name &amp; Address:</b>	<b>Specialty:</b>	<b>Worked with Firm Before (Yes or No):</b>
<b>4.</b> Walker-Hill Environmental 9346 Florida Boulevard Walker, LA 70785	Drilling Services	Yes
<b>5.</b> Ardaman & Associates, Inc. 316 Highlandia Drive Baton Rouge, LA 70810	Geotechnical Analytical Services	Yes

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Jim Blazek, Jr.  
Senior Environmental Professional  
Contract Manager



**Project Assignment:**

Mr. Blazek will be the primary point of contact for work orders Leaaf receives from Jefferson Parish, and will be responsible for the management of Leaaf's contract with Jefferson Parish.

**Name of Firm with which associated:**

Leaaf Environmental, LLC

**Years' experience with this Firm:**

18

**Education: Degree(s)/Year/Specialization:**

B.S. / 1988 / Buisness Administration


**Active registration: Year first registered/discipline:**

LDEQ-certified Asbestos Inspector (1993), Management Planner (1990), Contractor/Supervisor (1990), and Instructor (2021)  
LDEQ-certified Lead Inspector (1993), Risk Assessor (1998), Supervisor (2010), and Instructor (2019)  
LDEQ Certified UST Closure Worker (1992) / Supervisor (2019); LDEQ-certified NORM Inspector, and EPA RRP Instructor


**Other experience and qualifications relevant to the proposed Project:**

Mr. Blazek has over 31 years environmental/construction experience and more than 2,500 hours of specialized environmental training. Mr. Blazek performs inspections, manages and supervises projects, provides quality control, designs health & safety workplans, estimates project costs, designs project scopes of work and workplans, and supports remediation projects. Mr. Blazek's experience includes the execution of environmental projects, including environmental testing, environmental studies and reports, field sampling and testing, and includes the design and management/execution of work plans.


## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Jennifer Lindquist, PG Director of Environmental Assessments Professional Geologist	
<b>Project Assignment:</b>	
Ms. Lindquist will be responsible for managing all projects associated with Phase I & Phase II Environmental Site Assessments (ESAs), corrective action plans, brownfields redevelopment, and other as-needed soil & groundwater investigations, hazardous waste characterization, and sediment sampling & analysis.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
5	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 1991 / Environmental Science & Geology M.S. / 1993 / Environmental Science	
<b>Active registration: Year first registered/discipline:</b>	
Louisiana Licensed Professional Geoscientist (2014) LDEQ-certified Asbestos Inspector (2008) and Management Planner (2018) LDEQ-certified Lead Inspector (2009)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Ms. Lindquist, PG is a licensed professional geologist (LA, MS, TX) with over 28 years of experience in the environmental field. During this time, Ms. Lindquist has managed hundreds of Phase I and Phase II ESA and Environmental Risk Evaluation projects, with responsibilities including: conducting site investigations, evaluating results in accordance with regulatory standards, preparing site investigation work plans and reports, determining additional assessment requirements / closure requirements / remediation requirements as needed, cost estimating, managing regional, state, and federal Brownfields projects, and maintaining all associated regulatory agency coordination and notification requirements.	

## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Madeline Dickson Indoor Air Quality Division Manager Environmental Scientist	
<b>Project Assignment:</b>	
Ms. Dickson will be responsible for managing all projects associated with research of regulations, available technologies, and permitting in the area of air quality, in addition to other as-needed services in the areas of asbestos / lead / mold inspections, air monitoring, clearance testing, lead risk assessments, asbestos management plans, abatement design & scope of work, legionella testing, radon testing, and/or hazardous materials surveys.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
9	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2013 / Ecology and Evolutionary Biology	
<b>Active registration: Year first registered/discipline:</b>	
LDEQ-certified Asbestos Inspector (2015), Management Planner (2018), Contractor/Supervisor (2014), and Instructor (2017) LDEQ-certified Lead Inspector (2017), Risk Assessor (2017), and Instructor (2020) OSHA Asbestos Awareness (2014); OSHA Confined Space Training (2015); OSHA HAZCOM (2013)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Ms. Dickson is a highly skilled environmental scientist with over 9 years experience in air monitoring, sampling, specification development, risk assessment, clearance testing, analysis, oversight, and reporting. She is the manager of Leaaf's Indoor Air Quality Division and has worked on a variety of projects conducting air monitoring, project management, clearance testing, analysis and reporting. Ms. Dickson maintains a breadth of air quality certifications to help better serve the needs of her clients. Ms. Dickson has additionally provided support and advice to a number of clients with a variety of needs and backgrounds, including industrial facilities, underground storage tank (UST) owners, local government, private entities, architects, and developers.	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Karen Irion, PE Engineering and Compliance Division Manager Professional Engineer	
<b>Project Assignment:</b>	
Ms. Irion, PE will be responsible for managing all projects associated with the research of regulations, available technologies, and permitting in the areas of waste management and energy, etc. in addition to remediation, waste removal & management, and permitting (water/wastewater discharge permitting, Stormwater Pollution Prevention Plans [SWPPPs], Spill Prevention, Control, and Countermeasures [SPCC] Plans, and Air Permits.)	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
1	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.A. / 1976 / Archaeological Studies M.S. / 1975 / Classical Archaeology B.S. / 1984 / Civil Engineering	
<b>Active registration: Year first registered/discipline:</b>	
Louisiana Licensed Professional Environmental Engineer (1994) Louisiana Licensed Professional Civil Engineer (1993)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Ms. Irion, PE has over 38 years of consulting experience in environmental and civil engineering. She specializes in full-facility compliance activities, including, water/wastewater design and permitting, air emission permitting and abatement design, storm water permitting with green building design and compliance, pollution prevention, waste minimization, solid/hazardous waste, drinking water and plumbing. She is a specialist in all areas of environmental regulation and agency negotiation. She has managed compliance and/or remediation projects in more than 20 states. She has also managed a variety of wastewater treatment plant design projects, both municipal and industrial, and has performed troubleshooting on several poorly operating wastewater plants at industrial facilities. She has performed significant work in all areas of environmental regulation, including green building design, RCRA, Superfund, SARA, EPCRA, TSCA, NPDES, and Air programs in all environmental media.	




## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Emily Reeves, MSPH Environmental Risk Assessment Division Manager Sr. Environmental Scientist / Risk Assessor	
<b>Project Assignment:</b>	
Ms. Reeves, MSPH will be responsible for managing all project associated with the research of regulations, available technologies, remediation, and waste removal & management in addition to carrying out work associated with Phase I and Phase II ESAs, in addition to any work orders in the areas of risk assessment, corrective action plans, or permitting.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
7	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.A. / 1999 / Environmental Studies MSPH / 2002 / Public Health- Environmental Health Sciences	
<b>Active registration: Year first registered/discipline:</b>	
EPA Quality Project and Program Management Training (2019)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
As a Risk Assessor with over 20 years of experience in environmental consulting, Ms. Reeves is proficient at evaluating Phase I and Phase II ESA data. She is skilled in applying Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation / Corrective Action Program (RECAP) regulations to appropriately evaluate constituents of concern (COCs) for a variety of site conditions. Ms. Reeves has experience in conducting Management Option 1, 2 and 3 evaluations (MO-1, MO-2 and MO-3) under the LDEQ RECAP. By using sample results and field data, Ms. Reeves evaluates human health risks following the tiered framework of RECAP, with the final goal of reducing risks to both human health and the environment due to contaminants in the environment from historic site uses. Ms. Reeves is additionally skilled in the preparation of various technical documents such as work plans, quality assurance plans, and reports.	




## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Stephen Paternostro, CIH, CSP Industrial Hygienist / Health and Safety Officer	
<b>Project Assignment:</b>	
Mr. Paternostro, CIH, CSP will be responsible for projects associated with asbestos, lead, mold, indoor air quality, occupational health and safety, and hazardous materials surveys and/or investigations. He will additionally be in charge of overall Health and Safety for workers on all projects.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
1	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2009 / Kinesiology M.P.H. / 2013 / Environmental and Occupational Health Sciences	
<b>Active registration: Year first registered/discipline:</b>	
Certified Industrial Hygienist (2018); Certified Safety Professional (2019) LDEQ-certified Asbestos Inspector (2016), Management Planner (2019), Contractor/Supervisor (2017), and Project Designer (2019)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Mr. Stephen Paternostro is a certified industrial hygienist (CIH) and certified safety professional (CSP) with over 12 years of experience in the field of environmental, health, and safety. During this time, he has developed, audited, and amended corporate industrial hygiene and safety programs to ensure that multiple Fortune 500 companies exceed regulatory compliance. Mr. Paternostro has conducted hundreds of industrial hygiene exposure assessments for occupational hazards that include noise, dusts, radiation, volatile organic compounds, isocyanates, and metals in various industries including aerospace manufacturing, petrochemical, and municipal government. Mr. Paternostro has also consulted to hundreds of hazardous material management and construction projects which required health and safety plans (HASPs), remediation protocols, and third-party safety oversight.	

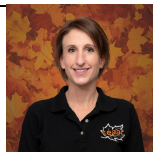
## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Kerry Meaux Quality Assurance Manager	
<b>Project Assignment:</b>	
Mr. Meaux will be serving as the Quality Assurance (QA) Manager for this contract; responsible for ensuring quality, accuracy, and completeness of all proposals, Work Plans, reports, and environmental data generated, processed, or used for project requirements and objectives.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
2	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2000 / Biology	
<b>Active registration: Year first registered/discipline:</b>	
EPA Quality Project and Program Management (2017) ACOE Construction Quality Management for Contractors (2016) OSHA 30 Hour Construction (2016); OSHA C4 HAZWOPER Supervisor (2016)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Mr. Meaux has over 20 years in the environmental field with a broad background in environmental assessments, environmental planning, regulatory compliance, and permitting. He has managed multiple environmental projects which include Brownfields site investigations, Phase I and II ESAs, RECAP and Voluntary Remediation Program (VRP) investigations, asbestos and lead-based paint surveys, and studies associated with developments of regional impact. Mr. Meaux has provided quality assurance (QA) to project teams in reviewing scopes of work prior to field activities, data collection procedures associated with sampling activities and field notes, and laboratory analytical reports. Mr. Meaux has prepared multiple Analysis of Brownfields Cleanup Alternatives (ABCAs) and cleanup strategy plans based on the findings of Industrial Hygiene investigations.	


## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Chase Cromwell, PG Geologist	
<b>Project Assignment:</b>	
Mr. Cromwell, PG will be responsible for conducting field work associated with site investigations, risk assessments, underground or aboveground tank closure & compliance, remediation, and waste removal & management.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
7	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.B.A. / 2009 / Business Administration B.S. / 2014 / Geology	
<b>Active registration: Year first registered/discipline:</b>	
Louisiana Licensed Professional Geoscientist (2022) LDEQ UST Certified Worker (2019) OSHA HAZCOM (2016); Hazardous Materials Transport and Hazardous Waste Management (2017)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Mr. Cromwell, PG specializes in site investigations, data collection, and report preparation. He has provided technical support and completed field work for a variety of environmental jobs, including Phase II ESAs (drilling, soil borings, soil vapor testing), monitoring well installation, UST removal, soil remediation, waste characterization, and environmental project oversight. Mr. Cromwell, PG has experience preparing HASPs and is additionally skilled in the use of GIS software, and applies these skills across a variety of project types. Mr. Cromwell, PG is a LDEQ/Underground Storage Tank Division (USTD) certified worker for UST closures.	


## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Suzanne Sicotte, MPH Industrial Hygienist	
<b>Project Assignment:</b>	
Ms. Sicotte, MPH will be responsible for carrying out field work and reporting associated with asbestos, lead, mold, legionella, and other hazardous materials surveys and/or investigations. She will additionally aid in site specific health and safety and research of regulations.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
6	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2000 / Psychology A.S. / 2004 / Nursing M.P.H. / 2016 / Environmental and Occupational Health Sciences	
<b>Active registration: Year first registered/discipline:</b>	
LDEQ-certified Asbestos Inspector (2018), Management Planner (2018), and Contractor/Supervisor (2018) LDEQ-certified Lead Inspector (2019) and Risk Assessor (2019)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Ms. Sicotte, MPH, has experience inspecting for environmental concerns such as asbestos, mold, and other materials that need special handling. She has supervised abatement/management projects on commercial and industrial sites. She has also worked on projects involving soil sampling, stormwater sampling, real time air monitoring and waste management. She has experience developing HASPs, Quality Assurance Project Plans (QAPPs), and Quality Assurance / Quality Control Plans (QA/QC) for regulatory agencies. Ms. Sicotte, MPH has worked to fulfill a variety of needs for numerous clients, including governmental and private clients, contractors, developers, and schools.	

## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Gary Brooks Environmental Specialist	
<b>Project Assignment:</b>	
Mr. Brooks will be responsible for carrying out field work associated with asbestos, lead, mold, legionella and other hazardous materials surveys and/or investigations.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
11	
<b>Education: Degree(s)/Year/Specialization:</b>	
O. Perry Walker High School / 1987	
<b>Active registration: Year first registered/discipline:</b>	
LDEQ-certified Asbestos Inspector (1996) and Contractor/Supervisor (1995), LDEQ-certified Lead Inspector (1996), Risk Assessor (2008), Supervisor (1996), and Instructor (2018); EPA RRP Training (2018) OSHA Hazardous Materials Transportation and Management (2017); OSHA Confined Space Training (2015); OSHA HAZCOM (2016); Petroleum Underground Storage Tank Operator - A/B Operator (2016)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Mr. Brooks has 34 years of comprehensive experience inspecting for environmental concerns such as asbestos, lead and other materials/concerns that need special handling. He has also supervised their abatement / management on commercial and industrial sites. In addition, Mr. Brooks has worked on Phase II ESA projects involving soil sampling, monitor well installation, groundwater sampling and real time monitoring. He is additionally certified and highly experienced in work involving soil/ground water remediation, waste management and waste transportation projects.	

## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>  Jill Hunt Environmental Scientist	
<b>Project Assignment:</b>  Ms. Hunt will be responsible for carrying out field work and reporting associated with asbestos, lead, mold, and other hazardous materials surveys and/or investigations. She will additionally aid in the research of regulations, available technologies, and air permitting.	
<b>Name of Firm with which associated:</b>  Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>  5	
<b>Education: Degree(s)/Year/Specialization:</b>  B.S. / 1995 / Biology B.S.N. / Nursing	
<b>Active registration: Year first registered/discipline:</b>  LDEQ-certified Asbestos Inspector (2019) and Contractor/Supervisor (2019); OHSA Asbestos Awareness Training (2017) LDEQ-certified Lead Inspector (2019) OSHA 30 Hour Construction Industry Outreach (2017); EPA Quality Project and Program Management (2017)	
<b>Other experience and qualifications relevant to the proposed Project:</b>  Ms. Hunt is a highly skilled and dedicated environmental scientist performing field work for Leaaf's Indoor Air Quality Division. Ms. Hunt has experience with a variety of project types. Her field experience includes asbestos / lead / mold air monitoring and inspections, soil and groundwater sampling, project oversight, and report preparation. Ms. Hunt is additionally an LDEQ-certified asbestos inspector, asbestos contractor/supervisor, an lead inspector. Ms. Hunt has recently undergone radiation safety training and forklift training in order to remain responsive to project requirements.	



## TEC Professional Services Questionnaire


<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Kelly Caris Environmental Scientist	
<b>Project Assignment:</b>	
Ms. Caris will be responsible for conducting work associated with the completion of Phase I ESAs and National Environmental Policy Act (NEPA) documentation, and additional research involved with soil & groundwater investigations.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
8	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S / 2012 / Wildlife and Conservation Biology	
<b>Active registration: Year first registered/discipline:</b>	
ASTM Training (2016); Aarcher Institute's NEPA Navigator (2019); Stormwater Inspector for Construction Sites (2016); EPA RRP Lead Paint (2015); Lead and Asbestos Awareness (2014) OSHA HAZCOM (2016); OSHA Confined Space Entry (2015)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Ms. Caris is an environmental scientist with extensive experience conducting Phase I ESAs in the Greater New Orleans metropolitan area in support of property acquisition, leasing, and demolition. Her work on Phase I ESAs includes site investigations, identification of potential Recognized Environmental Conditions (RECs), research and data review, and completing written reports. Ms. Caris has undergone a variety of training programs, including Phase I and NEPA training, providing her with the experience to identify non-scope environmental concerns throughout Phase I ESAs and the capacity to address those concerns effectively.	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Michael Stevens, PG Geologist	
<b>Project Assignment:</b>	
Mr. Stevens, PG will be responsible for field work and reporting associated with Phase I and Phase II ESAs and soil and groundwater investigations.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
5	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2012 / Geology M.S. / 2015 / Geology	
<b>Active registration: Year first registered/discipline:</b>	
Louisiana Licensed Professional Geoscientist (2018) OSHA HAZCOM (2018)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Stevens, PG is an experienced conductor of site investigations, environmental assessments and surveys, groundwater-soil-air sampling, monitor well installations, ground water injections, tracer testing, emergency response, waste management, map making, and report preparation. He has completed projects including LDEQ site investigations, Phase I and Phase II ESAs, LDEQ RECAP Evaluations projects, Leaking Petroleum Storage Tank (LPST) projects, Superfund sites, and Waste Audits. He has served as a project geologist responsible for operation and maintenance of an EPA Superfund site remediation system.</p>	



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Andrew Allen Environmental Technician / Equipment Operator	
<b>Project Assignment:</b>	
Mr. Allen will be responsible for maintaining and operating any heavy equipment involved in the completion of work orders, particularly in instances of UST removal, soil remediation, or other large-scale environmental projects.	
<b>Name of Firm with which associated:</b>	
Leaaf Environmental, LLC	
<b>Years' experience with this Firm:</b>	
5	
<b>Education: Degree(s)/Year/Specialization:</b>	
N/A	
<b>Active registration: Year first registered/discipline:</b>	
OSHA Asbestos Awareness Training (2018) OSHA HAZWOPER (2017) Radiation Safety Training (2018)	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
Mr. Allen works as an environmental technician and heavy equipment operator in support of Leaaf's UST and Remediation Division. He additionally serves as an equipment mechanic for Leaaf's generator pumps as needed. He has experience working with a number of clients with a variety of needs and tight deadlines, including heavy equipment subcontractors, landfills, industrial facilities, and other support service providers. Mr. Allen has had extensive experience throughout his career in automotive vehicle servicing and in heavy equipment operating. Mr. Allen has additional experience with hydraulics, leak repairs, unit overhauls, and gearboxes.	

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Gretna Plating and Polishing Company  Gretna, LA  City of Gretna. C/O Regional Planning Commission Contact: Adam Tatar Phone: (504) 483-8533 Email: atatar@norpc.org	Leaaf's activities at the site consisted of site preparation, sorting, inventory, and disposal. Drums and containers were first sorted into solid, liquids, and empty. Once sorted, Leaaf inventoried the containers by location, container ID, size, makeup of the container, amount of material, solid or liquid, and any additional comments. In addition, an illustration was created to document the location of various inventoried containers. Leaaf prepared a combined Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) in accordance with EPA and Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation / Corrective Action Program (RECAP) requirements.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$17,450.00	\$17,450.00

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Brothers Discount Lake Forest  New Orleans, LA  Louisiana Department of Environmental Quality Contact: Tad Loupe Phone: (985) 532-8289 Email: tad.loupe@la.gov	Leaaf was contracted to conduct site investigation activities at the Brothers Discount site as part of a LDEQ Underground Storage Tank Division (USTD) Abandoned Sites contract. Leaaf prepared a Site Investigation Work Plan to determine the horizontal and vertical extent of contamination remaining at a abandoned gas station. Leaaf conducted the initial investigation and prepared a Site Investigation Report and RECAP Evaluation Report under Management Option (MO)-1. In addition, Leaaf removed the liquid contents of a 300-gallon portable storage tank previously associated with a historic on-site remediation system with a 70 bbl vacuum truck and a pressure washer.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$33,179.37	\$33,179.37

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p>City of New Orleans Environmental Consulting Contract</p> <p>New Orleans, LA</p> <p>City of New Orleans Contact: Patrick Sullivan Phone: (504) 669-8148 Email: pjsullivan@nola.gov</p>	<p>Leaaf was contacted with the City of New Orleans Fuel Services Department to perform environmental services, emergency fueling, and emergency environmental hazard response services on an as-needed basis. Leaaf's projects with the City of New Orleans have included Phase I &amp; II Environmental Site Assessments (ESAs), air monitoring, remediation, soil &amp; groundwater monitoring, hazardous material characterization, waste management, environmental oversight, safety plans, permitting, and a variety of additional environmental services.</p>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$4,500,000.00	\$3,770,181.95

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>As Needed Environmental Compliance, Assessments and Remediation Contract</p> <p>New Orleans, LA</p> <p>Port of New Orleans Contact: Emily Federer Phone: (504) 528-3344 Email: emily.federer@portnola.com</p>	<p>Leaaf is contracted as a consultant on behalf of the Port of New Orleans to provide Environmental Compliance Assistance, Environmental Assessments and Remediation.</p> <p>As part of the contract, Leaaf has conducted asbestos and soil/groundwater sampling, soil disposal support for contaminated soil, conveyance support, and agency coordination with LDEQ. Leaaf also conducted a risk assessment at a Port of New Orleans site and evaluated the costs associated with the clean up.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$200,000.00	\$87,710.64

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
4000 France Road  New Orleans, LA  Port of New Orleans Contact: Emily Federer Phone: (504) 528-3344 Email: emily.federer@portnola.com	Leaaf is contracted as a consultant on behalf of the Port of New Orleans to provide Environmental Compliance Assistance, Environmental Assessments and Remediation. As part of the France Road railroad expansion project, Leaaf collected soil samples for waste characterization that included preparation of a soil sampling report with disposal recommendations. In addition, Leaaf conducted an asbestos inspection, asbestos sampling, and submitted a report documenting the findings of the inspection. Leaaf also provided asbestos abatement design specifications and conducted air monitoring during removal of a roof.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2022	\$34,377.05	\$34,377.05

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Louisiana Department of Environmental Quality (LDEQ) Site Investigation Contract  LDEQ Contact: Keith Horn Phone: (225) 219-3716 Email: keith.horn@la.gov	Since 2016, Leaaf has held a contract with LDEQ to conduct site investigations associated with a variety of contaminated sites and Superfund sites across the state of Louisiana. Leaaf's work under this contract consists primarily of plan preparation (Site Investigation Work Plans, Sampling and Analysis Plans [SAPs], Quality Assurance/Quality Control [QA/QC] Plans, Health and Safety Plans [HASPs]), soil sampling, temporary and permanent monitoring well installation, soil / groundwater / waste characterization and disposal, site investigation reports, and RECAP MO-1 and MO-2 Evaluation Reports.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$6,900,000.00	\$4,512,129.52

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Brownfields Environmental Services - Petroleum Sites  New Orleans, LA  Regional Planning Commission Contact: Adam Tatar Phone: (504) 483-8533 Email: atatar@norpc.org	Leaaf is contracted to perform environmental services under RPC's Brownfield Redevelopment Program's 2017-2020 Brownfield Community Wide Assessment Grant. The Leaaf team completed multiple Phase I ESAs at Port of New Orleans properties. One of the sites included a Phase II ESA and a ground penetrating radar (GPR) survey. Leaaf prepared a QAPP that included a work plan, QA/QC Plan, and a site specific HASP as part of the project. In addition, Leaaf conducted a hazardous material inventory and provided disposal support.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021	\$95,000.00	\$95,000.00

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Host Terminals (Former Avondale Marine)  Avondale, LA  T. Parker Host Contact: Patrick Callahan Phone: (504) 469-0731 Email: patrick.callahan@hostterminals.com	Leaaf is providing full environmental services for this site, including site-wide asbestos and hazardous materials inspections and surveys, scopes of work for decommissioning and demolition projects, abatement clearance and area monitoring, personnel air monitoring, Spill Prevention, Control, and Countermeasure (SPCC) plans, air permitting, waste water permitting, Phase II ESAs, and RECAP Evaluations, including agency coordination, preparation of plans, soil and groundwater sampling, and reporting.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2020	\$315,750.00	\$315,750.00

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Environmental Services for Veterans Mercedes-Benz  Metairie, LA  T&G Properties of Louisiana, LLC / Stone Pigman Walther Wittmann, LLC Contact: Tina Campbell Hebert Phone: (504) 593-0929 Email: thebert@stonepigman.com	Leaaf provided a variety of environmental services associated with the acquisition of this property, including a Phase I ESA, Phase II ESA, limited RECAP Evaluation, and cleaning / de-greasing an oil water separator.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2018	\$17,480.00	\$17,480.00

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Brownfields Revolving Loan Fund Project  Gretna, LA  City of Gretna Amelia Pellegrin Phone: (504) 363-1568 Email: apellegrin@gretnala.com	This proposed Brownfields Inventory and Environmental Site Assessments for the Redevelopment of 4th and 5th Streets, Gretna, LA, includes comprehensive Brownfields Services: Proposed Inventory, Phase I ESA/All Appropriate Inquiries (AAI), Phase II ESA (limited & Voluntary Remediation Program (VRP)) Multi-Lot Environmental Surveys, LDEQ VRP application, Remedial Investigation Plan with HASP, RECAP Evaluation, Interim Corrective Action, Cleanup alternatives, Remedial Action Plan with HASP.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	\$85,000	TBD (project ongoing)



## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

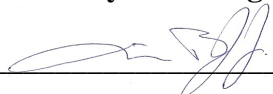
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Established in Jefferson Parish in January 2005, Leaaf is a Louisiana licensed professional environmental engineering and consulting firm based in Gretna, Louisiana. Leaaf is a federally and state recognized small business with project objectives concentrating on minimizing environmental risk. Leaaf is a Louisiana certified Small Entrepreneurship with the Louisiana Economic Development's Hudson Initiative certified by the Louisiana Unified Certification Program (LAUCP). Leaaf's service offerings include Indoor Air Quality (asbestos / lead / mold) consulting services, Environmental Site Assessments (ESAs), remediation services, Industrial Hygiene, Environmental Health and Safety, Engineering and Compliance, and legal support.

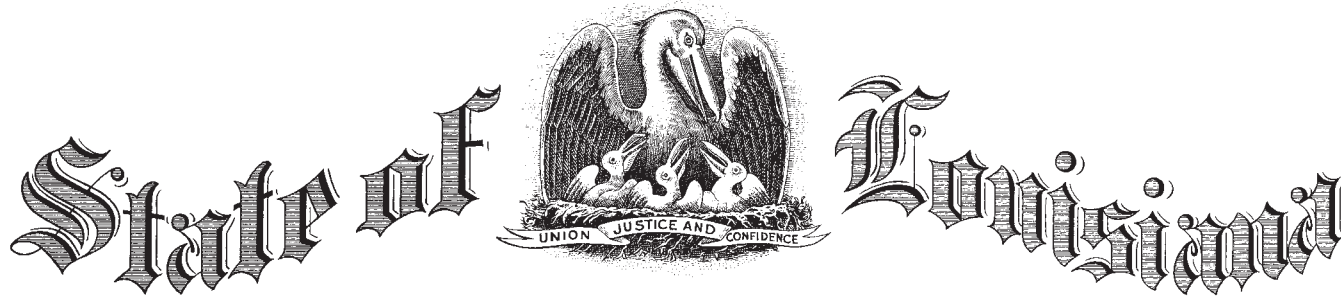
Leaaf is additionally a UST response action contractor, Louisiana licensed driller, and Louisiana licensed contractor for mold abatement and hazardous materials, with specialty licenses in the installation, repair, or closing of USTs, asbestos removal and abatement, lead-based paint removal and abatement, and hazardous waste treatment and removal. In addition to working directly with the federal, state, and local government, Leaaf works with a variety of private sector clients, including architects and engineers, consulting firms, commercial developers, light industrial facilities, contractors, non-profits, schools, and hospitals. Leaaf additionally maintains close relationships with a network of field technicians, labs, and drillers with experience working at commercial sites, industrial sites, and government facilities. Leaaf has a successful history in partnering with local and regional organizations with complementary service offerings to further expand its human resource capacity to be able to support multi-year, multi-million-dollar projects.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature:  Print Name: Jim Blazek, Jr.  
 Title: Co-Owner / Chief Operations Officer Date: 1/6/2023

## **CERTIFICATIONS**





## State Licensing Board for Contractors

This is to Certify that:

LEAAF ENVIRONMENTAL LLC  
2301 Whitney Ave  
Gretna, LA 70056

is duly licensed and entitled to practice the following classifications

HAZARDOUS MATERIALS; SPECIALTY: ASBESTOS REMOVAL AND ABATEMENT; SPECIALTY:  
HAZARDOUS WASTE TREATMENT OR REMOVAL; SPECIALTY: INSTALL REPAIR OR CLOSE  
UNDERGROUND STORAGE TANKS; SPECIALTY: LEAD BASED PAINT ABATEMENT AND REMOVAL



Witness our hand and seal of the Board dated,  
Baton Rouge, LA 25th day of March 2021

*W. B. M. J.*

Director

*Lee Mallett*

Chairman

*Andy D. D.*

Treasurer

Expiration Date: March 24, 2024

License No: 43246

This License Is Not Transferrable



**DIVISION OF SMALL BUSINESS SERVICES**

This certification acknowledges that

**Leaaf Environmental, LLC**

is Certified-Active as a Small Entrepreneurship with  
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 3/17/2022 to 3/17/2023 .

Certification No. 11167

A handwritten signature in black ink, reading "Stephanie Hartman", is written over a horizontal line.

Stephanie Hartman,  
Director, Entrepreneurial Services



Office of Conservation | Department of Natural Resources  
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation  
for the Department of Natural Resource  
State of Louisiana

hereby acknowledges that

***LEAAF ENVIRONMENTAL, LLC***

*Jesse Hoppes*

has been licensed to drill monitoring wells under the provisions of R.S. 38:3098  
and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires June 30, 2023 unless  
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 2nd day of June, 2022

**RICHARD P. IEYOUB**

**COMMISSIONER OF CONSERVATION**

Office of Conservation  
Louisiana Department of Natural Resources

License No. WWC- # 670

# Louisiana Professional Engineering and Land Surveying Board

*Hereby Certifies that*

Leaaf Environmental, LLC

*has satisfied the applicable requirements and is therefore licensed as a*  
Professional Engineering Firm

*and hereby entitled to practice engineering in the State of Louisiana.*

*Baton Rouge, Louisiana · October 30, 2018*



*License Number* EF6540

*Christopher P. Harty*  
Chairman  
*Thomas Carol*  
Secretary



JOHN BEL EDWARDS  
GOVERNOR



CHUCK CARR BROWN, PH.D.  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Mr. Jim Blazek  
Leaaf Environmental, LLC  
2301 Whitney Ave.  
Gretna, LA 70056

Re: Leaaf Environmental, LLC  
Leaaf Main Office  
Transporter I.D. No. T-051-14302  
Agency Interest No. 219536

Dear Mr. Blazek:

The Louisiana Department of Environmental Quality (LDEQ) received a Solid Waste Notification Form on May 4, 2020, notifying of vehicles to be used in transporting solid waste for your facility. Our records will list the following vehicles under your Transporter Identification Number T-051-14302.

<u>Make</u>	<u>Model</u>	<u>Year</u>	<u>License No.</u>	<u>Registered Owner</u>
Chevy	Colorado	2015	Y272571	Leaaf Environmental, LLC
Ford	F-150	2016	C569878	Leaaf Environmental, LLC
Ford	Expedition	2011	WFG396	Leaaf Environmental, LLC
Dodge	RAM 1500	2017	C714271	Leaaf Environmental, LLC
Chevy	Silverado	2017	C998423	Leaaf Environmental, LLC

Please be advised that the standards as contained in LAC 33:VII.505 are applicable to your operations as a transporter. A copy of this section of the regulations is attached for your information.

Should you have any questions or require assistance in the future, please contact Kristin East of our office at (225) 219-3244.

Sincerely,

A handwritten signature in blue ink that reads "Tonya Landry".

Tonya Landry, Manager  
Notifications and Accreditations Section  
OES, Public Participation and Permit Support Division

5/19/2020  
Date

TBL/ke

Attachment



**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**OFFICE OF MANAGEMENT AND FINANCE**

James E. Blazek, Jr.  
Leaaf Environmental, LLC  
2301 Whitney Ave.  
Gretna, LA 70056

Re: 2022 Renewal Application Approval  
LDEQ Response Action Contractors List  
Leaaf Environmental, LLC  
**AI Number (128489)**

Dear Mr. Blazek

The Underground Storage Tank Division (USTD) has received your renewal application for inclusion on the established Louisiana Department of Environmental Quality's (LDEQ) Response Action Contractors (RAC) list. The application was reviewed for completeness to determine if the minimum qualifications were demonstrated.

Based on the results of this review, Leaaf Environmental, LLC has met the minimum qualifications and will be included on the March 1<sup>st</sup>, 2022, RAC list. Your company is required to submit updated information annually, or as requested by the USTD to remain on the RAC list.

In accordance with LAC 33:XI.1205, Leaaf Environmental, LLC will remain eligible to conduct work at leaking UST sites potentially eligible for reimbursement by the Louisiana Motor Fuel Underground Storage Tank Trust Fund.

If you have any questions, please contact me at (225) 219-3916.

Best regards,

A handwritten signature in blue ink, appearing to read "JB", with a stylized flourish extending from the end.

Jeff Baker  
Motor Fuel Trust Fund Manager

c: Imaging Operations - UST





## State Licensing Board for Contractors

This is to Certify that: LEAAF ENVIRONMENTAL LLC  
2301 Whitney Ave  
Gretna, LA 70056

is duly licensed to bid, contract and perform as a

### Mold Remediation Contractor



Witness our hand and seal of the Board dated,  
Baton Rouge, LA 15th day of December 2022

Director

Chairman

Treasurer

Expiration Date: December 14, 2025

License No: 250579

This License Is Not Transferrable

**SUBCONTRACTOR  
QUESTIONNAIRES**



**SUBCONTRACTOR  
QUESTIONNAIRE  
G.E.C, Inc.**

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### A. PROJECT NAME AND ADVERTISEMENT RESOLUTION NUMBER:

**SOQ 22-054 MISCELLANEOUS ENVIRONMENTAL SERVICES FOR THE JEFFERSON PARISH DEPARTMENT OF ENVIRONMENTAL AFFAIRS (Resolution N. 140859)**

### B. FIRM NAME & ADDRESS WHERE PROJECT WORK WILL BE PERFORMED:

**G.E.C., Inc.**

3445 N. Causeway Boulevard, Suite 707  
Metairie, Louisiana 70002



### C. NAME, TITLE AND CONTACT INFORMATION OF PRINCIPAL, AS DEFINED IN SECTION 2-926 OF THE JEFFERSON PARISH CODE OF ORDINANCES, WHO IS A REGISTERED, LICENSED ARCHITECT, PROFESSIONAL ENGINEER, OR SURVEYOR IN THE STATE OF LOUISIANA:

**Sherri LeBas, PE, Senior Vice President**

P. (225) 612-3000 E. slebas@gecinc.com

Louisiana Licensed Professional Civil Engineer No. 23844 (1990)

### D. NAME AND CONTACT INFORMATION OF EMPLOYEE WHO IS A REGISTERED AND LICENSED ARCHITECT, PROFESSIONAL ENGINEER, OR SURVEYOR IN THE STATE OF LOUISIANA IN THE APPLICABLE DISCIPLINE. A SUBCONTRACTOR MAY BE SUBSTITUTED HERE ONLY IF THE ADVERTISED PROJECT REQUIRES MORE THAN ONE DISCIPLINE.

**Jeffrey Robinson, PE, Project Manager**

P. (225) 612-3000 E. jrobin@gecinc.com

Louisiana Licensed Professional Civil Engineer No. 29322 (2001)

### E. PLEASE PROVIDE THE NUMBER OF EMPLOYEES WHOSE PRIMARY FUNCTION CORRESPONDS WITH EACH CATEGORY:

10	Administrative	**	Estimators	***	Specification Writers
0	Architects (Licensed)	0	Geologists	8	Structural Engineers
0	Chemical Engineers	0	Geotechnical Engineers	1	Graduate Engineers
22*	Civil Engineers	0	Interior Designers	2	Project Managers
15	Construction Inspectors	0	Landscape Architects	0	Clerical
3	Ecologists	0	Land Surveyor	0	Grant/Funding Specialist
3	Electrical Engineers	1	Mechanical Engineers	****	Sanitary Engineers
10	Engineer Intern	3	Environmental Engineers	28	Other (includes 11 CAD; 1 GIS)
0	Professional Land Surveyors	1	Urban Planner	107	<b>TOTAL</b>

\*Coastal, Transportation and Hydrologist included in Civil Engineers

\*\*Senior Technical Personnel prepare Cost Estimates

\*\*\*Senior Technical Personnel prepare Specifications

\*\*\*\*Sanitary Engineers included in Environmental Engineers

### F. IS THIS SUBMITTAL BY A JOINT-VENTURE? PLEASE CHECK: YES \_\_\_\_\_ NO   X

IF MARKED "NO" SKIP TO SECTION I. IF MARKED "YES" COMPLETE SECTIONS G-H.

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**G. IF SUBMITTAL IS BY JOINT-VENTURE, LIST THE FIRMS PARTICIPATING AND OUTLINE SPECIFIC AREAS OF RESPONSIBILITY (INCLUDING ADMINISTRATIVE, TECHNICAL, AND FINANCIAL) FOR EACH FIRM. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

1.

2.

**H. HAS THIS JOINT-VENTURE PREVIOUSLY WORKED TOGETHER? PLEASE CHECK:**

YES \_\_\_\_\_ NO \_\_\_\_\_

**I. LIST ALL SUBCONTRACTORS ANTICIPATED FOR THIS PROJECT. PLEASE NOTE THAT ALL SUBCONTRACTORS MUST SUBMIT A FULLY COMPLETED COPY OF THIS QUESTIONNAIRE, APPLICABLE LICENSES, AND ANY OTHER INFORMATION REQUIRED BY THE ADVERTISEMENT. SEE JEFFERSON PARISH CODE OF ORDINANCES, SEC. 2-928(A)(3). PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No)
1. N/A		
2.		
3.		
4.		

**J. PLEASE SPECIFY THE TOTAL NUMBER OF SUPPORT PERSONNEL THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT:**

9

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**K. LIST THE PROFESSIONAL IN CHARGE, KEY PERSONS, SPECIALISTS, & INDIVIDUAL CONSULTANTS ANTICIPATED FOR THIS PROJECT AND PROVIDE THEIR RELEVANT INFORMATION BELOW. IF NECESSARY, PLEASE ATTACH ADDITIONAL DOCUMENTATION (I.E., RESUME) THAT DEMONSTRATES THE EMPLOYMENT HISTORY AND EXPERIENCE OF THE FIRM'S KEY PERSONS THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**JEFFREY ROBINSON, PE**, NEPA and Permitting Specialist/Civil Engineer

**Project Assignment:**

Project Manager

**Name of Firm with which associated:**

G.E.C., Inc.

**Years' experience with this Firm:**

26

**Education: Degree(s)/Year/Specialization:**

B.S. / 1995 / Civil Engineering

**Active Registration: Year first registered/discipline:**

2001 / Licensed Professional Civil Engineer LA No. 29322

**Other Experience and qualifications relevant to the proposed Project:**

Mr. Robinson has over 37 years of civil/coastal engineering project management experience and provides planning, coordination, and consulting services for Federal & state regulatory compliance issues for numerous governmental & private sector clients. He is widely respected for his thorough & highly objective approach to environmental issues as they relate to permitting, design, federal & state compliance, wetlands, hazardous materials, & other critical issues surrounding major infrastructure and coastal projects. His experience includes 27 years of permitting & compliance with USACE, LADNR Office of Coastal Management, CPRA, USFWS, and others. He is also experienced in stormwater planning/design, water and wastewater, developing SWPPP plans, NEPA analyses for transportation projects, Phase I and II ESAs, and overseeing wetland and protected species surveys.

### RELEVANT PROJECT EXPERIENCE

**GNOEC, LAKE PONTCHARTRAIN CAUSEWAY:** St. Tammany and Jefferson Parishes, Louisiana – Since 2011, Mr. Robinson has provided environmental program management oversight for improvements to the Lake Pontchartrain Causeway. In this role, Mr. Robinson manages regulatory stakeholder solicitation, coastal use permitting, environmental field investigations and assessments, and National Environmental Policy Act (NEPA) documentation. Projects documented as Categorical Exclusions completed since 2011 include:

- H.009324, North Shore Toll Plaza Lane Modification (August 2011);
- H.009322, Piling Restoration-Transformer Platforms (July 2012);
- H.009323, North Channel Bascule Control System Replacement (July 2012);
- H.009325, South Channel Fender Repair / Structural Improvements (July 2012);
- H.005970, Replace Damaged Traffic Signs (NB/SB) (September 2012);
- H.005971, Cable Tray Support System Modifications (September 2012);
- H.005973, Northbound Bridge Span Realignment (September 2012); and
- 706-99-0004, Nine Mile Turnaround Spans Demolition (September 2016).

GEC documented these projects in accordance with the DOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/ Environmental processes. GEC prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using the Department's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views (SOVs), prepared responses to regulatory comments/guidance, conducted wetland delineations, prepared wetland/water body survey reports and prepared Coastal Use Permit applications.



**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD): Plaquemines Parish, LA.** *Environmental Engineer* - The MBSD will be the first major controlled sediment diversion reconnecting the Mississippi River with its delta. It is a cornerstone of Louisiana's Coastal Master Plan and will provide sediment, water, and nutrients to the Barataria Basin in order to build land, maintain and sustain wetlands. Mr. Robinson currently serves as an Environmental Engineer for the development of the EIS required by NEPA to evaluate the impact on human environments for the project. As part of the EIS process, significant public engagement is occurring and the final EIS will clearly and transparently describe the environmental effect of the proposed MBSD. (2017-2022)

**HOUMA NAVIGATION CANAL DEEPENING PROJECT – SECTION 203 FEASIBILITY STUDY: Terrebonne Parish, LA.** *Civil Engineer* - Mr. Robinson assisted in the development of a feasibility-level dredging plan and design for deepening the existing Houma Navigation Canal to 20-ft. Mr. Robinson also assisted in the development of dredged quantities and dredging costs at the feasibility study level for input into the project's benefit-cost analysis. (2016)

**LADOTD TIMED PROGRAM: Louisiana.** *Environmental Project Manager* - Mr. Robinson served as the Environmental Project Manager and was responsible for all environmental planning, permitting, design, and regulatory clearance pursuant to the construction of roadway segments comprising more than 260 miles of new highway construction and 74 bridges on an aggressive 10-year schedule subsequently accelerated to 8 years. Mr. Robinson performed NEPA evaluations and developed technical documents necessary to procure Federal and other environmental permits required for construction. Environmental program functions included regulatory coordination and environmental documentation, permitting, and mitigation with, among other agencies, the USCG, three USACE Districts, numerous parish floodplain administrators, and the LDWF (18 of the 74 bridges crossed LA Scenic Streams). He also performed Phase I and II ESA's, asbestos inspections, RECAP UST inspections, cultural resource investigations, wetland delineations, SWPPP, water quality certification permitting, scenic stream permitting, biological surveys, and sole source aquifer permitting. Mr. Robinson completed all environmental documentation and permitting in five years, and all projects let in 8 years (2 years early). (06/02-06/12)

**NPDES PERMITTING, LOUISIANA: Permits in LA.** *Engineer* – Mr. Robinson serves as an engineer for Federal and state permit applications for multiple industrial clients whose effluents discharge into national waters. The National Pollutant Discharge Elimination System (NPDES) is part of a statutory program of the Clean Water Act, which imposes effluent limitations on existing and new sources of pollution. Mr. Robinson is responsible for client and regulatory coordination, and permit application preparation. (From 1995 – Ongoing)

**RED RIVER NAVIGATION FEASIBILITY STUDY, PRE-PROJECT WATER AND SEDIMENT QUALITY ANALYSIS (USACE, VICKSBURG DISTRICT): Southwest AR.** *Project Engineer* – Mr. Robinson conducted an existing conditions water and sediment quality analysis of the project area. Sediment and water samples were taken from various points along the 134-mile reach, both from the river channel and from adjacent oxbows. Laboratory results were statistically analyzed and evaluated with respect to applicable Federal and state water quality standards. (From 9/1999 – 9/2000)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**K. LIST THE PROFESSIONAL IN CHARGE, KEY PERSONS, SPECIALISTS, & INDIVIDUAL CONSULTANTS ANTICIPATED FOR THIS PROJECT AND PROVIDE THEIR RELEVANT INFORMATION BELOW. IF NECESSARY, PLEASE ATTACH ADDITIONAL DOCUMENTATION (I.E., RESUME) THAT DEMONSTRATES THE EMPLOYMENT HISTORY AND EXPERIENCE OF THE FIRM'S KEY PERSONS THAT MAY ASSIST IN THE COMPLETION OF THIS PROJECT. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**JONATHAN PULS, PE**, Environmental Engineer

**Project Assignment:**

Coastal Engineer/Coastal Restoration Planner

**Name of Firm with which associated:**

G.E.C., Inc.

**Years' experience with this Firm:**

13

**Education: Degree(s)/Year/Specialization:**

B.S. / 1999 / Civil Engineering; B.S. / 2006 / Environmental Engineering; M.S. / 2023 (est.) / Coastal Engineering

**Active Registration: Year first registered/discipline:**

2009 / Licensed Professional Civil Engineer LA No. 34739

**Other Experience and qualifications relevant to the proposed Project:**

Mr. Puls has more than 24 years of experience with civil, environmental, and coastal engineering projects. He has worked on a wide variety of projects ranging from coastal restoration, permitting and compliance, and construction management for coastal projects, as well as feasibility studies, environmental assessments, and environmental impact statements. He also has a background in natural stream design, cost estimating, risk analysis, incremental cost analysis, and network administration.

**RELEVANT PROJECT EXPERIENCE**

**SOUTH PASS BIRD ISLAND PROJECT (MR-0172): Plaquemines, LA.** *Project Manager* – On behalf of CPRA, Mr. Puls acts as project manager on this coastal restoration project. He performs project oversight, manages construction administration, site reconnaissance, report preparation, and provides quality control of deliverables. (2022-Present)

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD): Plaquemines Parish, LA.** *Environmental Engineer* - The MBSD will be the first major controlled sediment diversion reconnecting the Mississippi River with its delta. It is a cornerstone of Louisiana's Coastal Master Plan and will provide sediment, water, and nutrients to the Barataria Basin in order to build land, maintain and sustain wetlands. Mr. Puls currently serves as an Environmental Engineer for the development of the EIS required by NEPA to evaluate the impact on human environments for the project. As part of the EIS process, significant public engagement is occurring and the final EIS will clearly and transparently describe the environmental effect of the proposed MBSD. (2017-Present)

**LOUISIANA COASTAL AUTHORITY (LCA) HYDROLOGIC RESTORATION AND PRE-CONSTRUCTION ENGINEERING AND DESIGN OF THE AMITE RIVER DIVERSION CANAL: Amite River Diversion Canal, LA.** *Project Manager* – Mr. Puls acted as project manager and primary point-of-contact for GEC on this ecosystem restoration project from the planning through construction phases. Working with CPRA, Mr. Puls coordinated all aspects of the Preconstruction Engineering and Design phase of the project including project design, design documentation, development of construction specifications, permitting, cost estimation, and report production. The report, which is an integrated document, includes an Environmental Impact Statement, a USFWS Coordination Act Report, a complete depiction of all public coordination and all necessary cost and risk analysis. The project included the proposed restoration of 3,000 acres of freshwater swamp habitat within the Western Maurepas Swamp. Mr. Puls also handled all coordination with local and federal agencies, along with local stakeholders. The report included all required design documentation, plans and specifications, construction quantities, costs, and schedule, and permitting coordination. The project included the proposed restoration of 1,600 acres of freshwater swamp habitat within the Western Maurepas Swamp. Mr. Puls also handled all coordination with local and federal agencies, along with local stakeholders and the remainder of the project delivery.





team. Mr. Puls assisted with construction management of the project, which completed the civil construction phase of the project in March 2017. (03/12-03/17)

**HOUMA NAVIGATION CANAL DEEPENING – SECTION 203 FEASIBILITY STUDY: Terrebonne Parish, LA.** *Project Manager/Environmental Engineer* – Mr. Puls acted as Project Manager and Environmental Engineer on this Section 203 Navigation Study. Mr. Puls helped develop new quantities and a disposal plan for material to be dredged as part of the deepening of the Houma Navigation Canal. Mr. Puls also coordinated with the USACE along with Federal and State agencies to develop a combined Navigation Study and EIS and all pertinent requirements needed for USACE approval. This includes development of a Coordination Act Report, Biological Assessment, NEPA documentation, and all required permits. Mr. Puls was involved in all aspects of the project and coordinated with the USACE, CPRA, LADOTD and local sponsors to complete all applicable reviews, including ATR, IEPR, IPR, CostDX, and ASA(CW). In July 2018, the project received ASA(CW) acceptance and is currently under review with the U.S. Office of Management and Budget. (2011 - 2017)

**BATON ROUGE LAKES MASTER PLAN (Baton Rouge Area Foundation): Baton Rouge, LA.** *Project Manager* - Mr. Puls is acting as project manager and primary point of contact for GEC on this planning and ecosystem restoration study, located within East Baton Rouge Parish, Louisiana. Mr. Puls managed the data gathering phase of the project, including bathymetric and topographic survey work, as well as geotechnical investigations. Mr. Puls also coordinated a summary report of the findings to be utilized during the development of the master plan and presented the findings to the BRAF and all other members of the technical and planning teams. Mr. Puls is also utilizing his experience with the Baton Rouge Lakes system to provide engineering, cost estimating, and environmental oversight. Mr. Puls is also coordinating with the Baton Rouge Area Foundation (BRAF), LSU, and various Federal and state agencies to facilitate development of alternatives that will improve the system's ecosystem function and recreational opportunities. Mr. Puls is assisting in the design of proposed alternatives, such as on Constructed Wetlands and excavation activities. (From 8/2014 - 7/2017)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

**Nicole Forsyth, EI, Environmental Engineer**

#### Project Assignment:

Environmental Professional / Coastal Restoration Planner

#### Name of Firm with which associated:

G.E.C., Inc.

#### Years' experience with this Firm:

7

#### Education: Degree(s)/Year/Specialization:

B.S. / 2002 / Civil Engineering

#### Active Registration: Year first registered/discipline:

2011 / Louisiana Engineer Intern No. 19841

#### Other Experience and qualifications relevant to the proposed Project:

As an environmental engineer, Ms. Forsyth has worked as an environmental professional in the public sector for over 20 years. During her career she has managed the NEPA compliance process for many types of projects including transportation, DOD facilities, civil works including levees and dams, and regulatory projects. She is experienced in the management, preparation, and review of NEPA documents including EIS, EA, CE, Noise and Air Studies, and ESA. This experience includes task such as overall project management, managing multidisciplinary teams, agency coordination, public involvement, and environmental impacts analysis following NEPA regulations.

### RELEVANT EXPERIENCE

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), (ON BEHALF OF USACE, NEW ORLEANS) Plaquemines, LA.** *Lead Project Manager* -- Ms. Forsyth serves as project manager on the GEC Team leading development of a 3rd-party EIS on behalf of the USACE MVN for its permit and permission decisions for the Section 404 and 408 being proposed by CPRA. The project is the first major controlled sediment diversion reconnecting the Mississippi River with its delta. She manages the overall development of the EIS and supporting documentation, including agency coordination, alternatives, and environmental impacts analysis. (2017 – Present)

**THIRD PARTY EIS FOR THE MID-BRETON SEDIMENT DIVERSION, (ON BEHALF OF USACE, NEW ORLEANS) Plaquemines, LA.** *NEPA Practitioner* -- Ms. Forsyth serves as a senior NEPA practitioner on GHD's team for this third-party EIS. She was tasked by USACE MVN and CPRA to lend overall NEPA support to GHD's team, including but not limited to ensuring technical accuracy of impacts analyses, compliance with NEPA and related regulations, and analyzing cumulative impacts. (2022 – Present)

**BLUESTONE DAM SAFETY MODIFICATION SUPPLEMENTAL EIS (USACE, HUNTINGTON DISTRICT Hinton, WV.** *Project Manager* – Ms. Forsyth was responsible for the project management and overall completion of the SEIS and ROD for proposed modifications of the Bluestone Dam. She was the day-to-day contact for coordination with the client during the project. She prepared existing condition/impact analyses for resources and reviewed and managed the overall SEIS document. She prepared for and attended public hearings for the SDEIS once it was released to the public. (2015 - 2017)

**SUPPLEMENTAL EIS FOR THE INNER HARBOR NAVIGATION CANAL (IHNC) LOCK REPLACEMENT PROJECT (USACE, NEW ORLEANS) New Orleans, LA.** *Project Technical Assistant* – A 1997 EIS evaluated replacement of the IHNC Lock. In 2007, the Federal District Court enjoined the project and required preparation of a supplemental EIS to describe changes in existing conditions after Hurricane Katrina and to analyze impacts from the recommended plan and alternatives. Ms. Forsyth provided public and stakeholder outreach, prepared public outreach materials, and addressed over 415 public and agency comments. The accelerated project schedule required a two-week turnaround of responses following closing of the public comment period. (2015 – 2017)



**SEIS FOR THE NEW ORLEANS TO VENICE (NOV) FEDERAL HURRICANE PROTECTION LEVEE (USACE, NEW ORLEANS) Plaquemines, LA.** *Project Manager* - The SEIS was prepared to evaluate potential impacts associated with the authorized improvements to the NOV Federal Hurricane Protection Levee system. The Proposed Action located along the Mississippi River corridor included Mississippi River and back levee reaches where approximately 90 miles of levees, floodwalls, and floodgates extending from Phoenix to Venice would be modified. The project included restoring, armoring, and accelerated completion of the existing Federal levees to provide the authorized design grade for storm risk reduction. Ms. Forsyth was responsible for preparing the SEIS and ensuring completion of the WVA, mitigation plan, and cultural resources survey report and their subsequent incorporation into the SEIS. (2010 – 2012)

**GNOEC, LAKE PONTCHARTRAIN CAUSEWAY: St Tammany and Jefferson Parishes, LA.** *NEPA Specialist* - Ms. Forsyth serves as NEPA Specialist for improvements to the Causeway. She provides regulatory stakeholder solicitation, environmental field investigations and assessments, and NEPA documentation. Several projects have been documented as **Categorical Exclusions (CE)** since 2011. GEC documented these CE projects in accordance with the DOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/Environmental processes. GEC prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using DOTD's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views, prepared responses to regulatory comments/guidance, prepared wetland/water body survey reports and prepared Coastal Use Permit applications. 01/17-Present)

**H.004983 US HWY. 11 WIDENING (LAKE PONTCHARTRAIN TO SPARTAN DRIVE) ENVIRONMENTAL ASSESSMENT: Slidell, LA.** *NEPA Specialist* – Ms. Forsyth prepared an EA for the New Orleans Regional Planning Commission (NORPC) in compliance with FHWA NEPA requirements for the widening of US Highway 11 in Slidell, LA. Her tasks included interagency coordination and analyses of project impacts on wetlands, land use and community character, economic activities, cultural and recreational resources, Sections 4(f) and 6(f), noise and air impacts, floodplains, demographics and environmental justice, relocations of homes and businesses, and endangered or threatened species and their habitat. Required environmental studies included, among other tasks, wetlands, threatened and endangered species, floodplains, and a Phase I ESA. (10/15 – 05/16)

**U.S. FOREST SERVICE SOCIA BRANCH TRAIL ENVIRONMENTAL ASSESSMENT: Grant Parish, LA.** *NEPA Specialist* - Ms. Forsyth assisted the USFS in preparing for and facilitating public scoping meeting open houses within the project area. This included preparing graphics, handouts, venue coordination, and greeting the public. She also prepared a scoping analysis that categorized and analyzed over 100 public scoping comments that were received during the public outreach period. (2019)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

**BLISS K. BERNARD, PE**, Vice President, Environmental Engineer

#### Project Assignment:

Environmental Professional / Coastal Restoration Planner

#### Name of Firm with which associated:

G.E.C., Inc.

#### Years' experience with this Firm:

8

#### Education: Degree(s)/Year/Specialization:

B.S. / 2014 / Civil Engineering

#### Active Registration: Year first registered/discipline:

2018 / Licensed Professional Civil Engineer LA No.42709

#### Other Experience and qualifications relevant to the proposed Project:

Mrs. Bernard is a licensed Professional Engineer having over 8 years of experience in project management, engineering, environmental, water resources, transportation, public outreach, and planning. She has extensive knowledge with NEPA regulations, and she has served as the Project Manager on numerous EA's and EIS's for a variety of federal and state agencies, such as LADOTD, FHWA, USDA, NRCS, USACE, NPS, NRDA, LATIG, and CPRA. Her successful experience with various agencies and multi-disciplinary environmental studies brings a unique expertise, broader knowledge, and the ability to manage a range of NEPA Projects.

### RELEVANT PROJECT EXPERIENCE

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION PROJECT: Plaquemines Parish, LA.** *Project Manager.* Mrs. Bernard has assisted in the development of the cumulative impacts, water quality, public comments, and overall QA/QC review of the FEIS. The EIS is being prepared under the direction of USACE regarding CPRA's permit application pursuant to Section 404/10/408. (06/22-Present)

**LA TIG RESTORATION PLAN/ENVIRONMENTAL ASSESSMENT #8: Coastal Louisiana.** *Engineer & Lead Author.* Mrs. Bernard was responsible for project screening and selection process, developing the RP/EA report, NEPA analysis, public and agency outreach, and other related tasks. (3/2021-5/2022)

**MID-BRETON EIS: Plaquemines Parish, LA.** *Engineer/Project Manager.* The EIS analyzed the projects impacts to the social, biological, natural environments. She performed data gap analysis, analyzed alternatives as they related to land-based transportation impacts, and analyzed cumulative impacts. (2019-5/22)

**LA TIG RESTORATION PLAN/ENVIRONMENTAL ASSESSMENT #1.3: Cameron and Jefferson Parishes, LA.** *Lead Author/Professional Engineer.* In her role, she developed the RP/EA that described the process that was taken to evaluate alternatives & identified preferred alternatives that best compensates for injuries caused by DWH. Mrs. Bernard analyzed impacts such as the physical, biological, and socioeconomic environments. She developed the FONSI, which was approved by FHWA & LADOTD. (08/19-03/20)

**UPPER WEST FORK CYPRESS BAYOU WP/EA: Bossier Parish, LA.** *Project Manager.* Mrs. Bernard was responsible for developing a supplemental watershed plan and EA in accordance with current USDA-NRCS and LADOTD state dam safety criteria. She oversaw all aspects of the project including the management of sub consultants, surveying, modeling, geotechnical analysis, dam design, data collection, stakeholder coordination, environmental, reporting, public outreach, and invoicing. Through the compilation of all studies required by NEPA and public and agency involvement, Mrs. Bernard developed the EA Report. (04/20-06/22)

**CANE RIVER BRIDGE CHURCH STREET EA: Natchitoches Parish, LA.** *Project Manager.* Mrs. Bernard provided the planning, public outreach, engineering, and environmental services necessary to complete an EA on behalf of LADOTD & FHWA. She developed the Final EA, developed and received approval on the first known LADOTD and FHWA "net benefit determination" for Section 4(f) properties in the State, and received approval on the FONSI. (5/17-5/20)

**LCA-MRHDM TECHNICAL LEAD: Louisiana Coastline.** *Project Manager.* Mrs. Bernard assisted to develop a Project



Management Plan for the LCA-Mississippi River Hydro Delta Management (MRHDM) Technical Lead portion of the 2012/2017 Coastal Master Plans. This project developed models capable of examining delta-rebuilding efforts in Louisiana. Mrs. Bernard assisted CPRA manage a data collection effort through Tulane and numerical model development through UNO and TWIG. (6/15-3/17)

**1-12 TO BUSH ENVIRONMENTAL IMPACT STATEMENT (EIS): Bush, Louisiana.** *Engineer Intern.* Mrs. Bernard was responsible for various tasks such as: public outreach, environmental documentation, technical studies, and developing the draft and final EIS as required by NEPA on this EIS. (6/2014-5/2016)

**QUEEN BESS ISLAND RESTORATION PROJECT (BA-0202) AND CONSTRUCTION ADMINISTRATION AND INSPECTION: Jefferson Parish, LA.** *Engineer.* Project responsibilities included project management, data collection, and engineering and design activities necessary to complete the permitting process and provide construction plans and specifications for the restoration of Queen Bess Island. This multi-disciplinary project aimed to restore suitable nesting and brood rearing habitat for colonial waterbirds by filling the existing island with a pre-approved quarry source. Mrs. Bernard developed a technical report titled *Habitats of Various Waterbirds: Brown Pelicans, Terns, and Black Skimmers* for CPRA, which summarized previously published research to identify the best habitats for the nesting waterbirds on Queen Bess Island, which ultimately laid the foundation for the engineering design. Mrs. Bernard assisted in the development of the conceptual and final engineering and design plans, permits, design calculations, water quality analyses, numerical modeling, research and data collection efforts, and construction and bidding support. Mrs. Bernard also prepared presentations and documents for stakeholder outreach. The project began construction in September 2019. Mrs. Bernard served as a technical engineer during construction of the project. She monitored construction activities and inspections. Following the completion of construction, she developed the final project completion report and estimates. She also was responsible for tracking engineering design and construction lessons learned and continually updating the document. Finally, she created the final lessons learned presentation that was presented to all federal and state sponsors and participating agencies. The project manager, Katie Freer noted that the presentation “looked so nice and was very impressive.” Mrs. Bernard co-authored a journal article titled “Long Live the Queen” that was published in the Louisiana Civil Engineer Journal in May 2020. (10/2017-9/2020) Cost: \$1,205,812

**CONTRACT NO. 4400017090 LOUISIANA WATERSHED INITIATIVE REGION 4: De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes, LA.** *Deputy Project Manager.* Mrs. Bernard served as the Deputy Project Manager for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Mrs. Bernard was responsible for the project management and oversight to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4, which encompasses De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron parishes in Louisiana. These models will consider the degree to which communities within a watershed are hydraulically and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed. Mrs. Bernard was overseeing all aspects of the project including the management of four subconsultants, surveying, modeling, data collection, stakeholder coordination, environmental, reporting, and public outreach. She successfully developed the \$12.5-million winning LADOTD Tier 2 Presentation Proposal from the ground-up. (TO1- 11/2020-12/2021; TO2-1/2022-Present; TO2-1/2022-Present; TO3-2/2022-Present) Cost: Total- \$12,563,421; \$499,083.00 (Task Order 1), \$6,627,274 (Task Order 2), \$5,437,064 (Task Order 3)

**CAMERON PARISH SHORELINE PROTECTION PROJECT: Cameron Parish, LA.** *Professional Engineer.* This project was tasked with designing and developing engineering plans and specifications for the Shoreline Protection Project in Cameron Parish. The primary purpose of the project is to reduce the loss of beach fill material, reduce shoreline erosion, and enhance wildlife habitat, while providing an aesthetically acceptable finished product over the 20-year life of the project. Breakwaters were proposed as erosion control measures on the coast of Cameron Parish at three project sites—Long Beach, Little Florida Beach, and Rutherford Beach. Mrs. Bernard assisted with engineering design, specifications, and report development for this project. She developed the Final Design Report for approval by the Cameron Parish Police Jury. (10/2018-8/2020) Cost: \$1,500,000



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

**LAURA CARNES**, Senior Vice President, Environmental Specialist



#### Project Assignment:

Environmental Specialist / Coastal Restoration Planner

#### Name of Firm with which associated:

G.E.C., Inc.

#### Years' experience with this Firm:

12

#### Education: Degree(s)/Year/Specialization:

B.S. / 1993 / Psychology; M.S. / 2002 / Geography

#### Active Registration: Year first registered/discipline:

N/A

#### Other Experience and qualifications relevant to the proposed Project:

Ms. Carnes has 16 years of experience preparing EAs and EISs for coastal and navigation projects in Louisiana and on behalf of CPRA and USACE Civil Works and Regulatory Divisions. Most recently, Ms. Carnes' NEPA work has focused on large-scale, complex EISs on behalf of USACE MVN Regulatory Division in support of their 404 and 408 permit decisions. Through the NEPA process, she has ensured project compliance with applicable laws, regulations, and executive orders for more than 30 projects.

### RELEVANT PROJECT EXPERIENCE

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), (ON BEHALF OF USACE, NEW ORLEANS) Plaquemines, LA.** *Co-Project Manager* -- Ms. Carnes serves as project manager on the GEC Team leading development of a 3rd-party EIS on behalf of the USACE MVN for its permit and permission decisions for the Section 404 and 408 being proposed by CPRA. The project is the first major controlled sediment diversion reconnecting the Mississippi River with its delta. She manages the overall development of the EIS and supporting documentation, including agency coordination, alternatives, and environmental impacts analysis. (2017 - 2022)

**THIRD PARTY EIS FOR THE MID-BRETON SEDIMENT DIVERSION, (ON BEHALF OF USACE, NEW ORLEANS) Plaquemines, LA.** *NEPA Practitioner*- Ms. Carnes serves as a senior NEPA practitioner for this third-party EIS. Ms. Carnes was tasked by USACE MVN and CPRA to lend overall NEPA support to GHD's team, including but not limited to ensuring technical accuracy of impacts analyses, compliance with NEPA and related regulations, and analyzing cumulative impacts. (2022 – Present)

**PORT CAMERON ENVIRONMENTAL ASSESSMENT Cameron Parish, LA.** *Project Manager* – Served as lead author and manager of this EA to construct a port along the Calcasieu Ship Channel in compliance with all applicable environmental statutes, including, but not limited to, NEPA, the ESA, the Fish and Wildlife Coordination Act, the FFPA, and the CWA. The EA was used by USACE, MVN Regulatory in its permit decision for construction and operation of this new port. (2016 - 2017)

**SUPPLEMENTAL EIS FOR THE INNER HARBOR NAVIGATION CANAL (IHNC) LOCK (USACE, NEW ORLEANS) New Orleans, LA.** *Project Technical Assistant* – A 1997 EIS evaluated replacement of the IHNC Lock. In 2007, the Federal District Court enjoined the project and required preparation of a supplemental EIS to describe changes in existing conditions after Hurricane Katrina and to analyze impacts from the recommended plan and alternatives. Ms. Carnes provided public/stakeholder outreach, public outreach materials, and addressed over 415 public and agency comments. The accelerated project schedule required a two-week turnaround of responses following closing of the public comment period. (2008 – 2017)

**LOUISIANA COASTAL AUTHORITY (LCA) AMITE RIVER DIVERSION CANAL MODIFICATION PROJECT SEIS: Ascension and Livingston Parish, LA.** *NEPA Specialist* – Shared in the preparation of this integrated Feasibility Study and SEIS. The

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## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

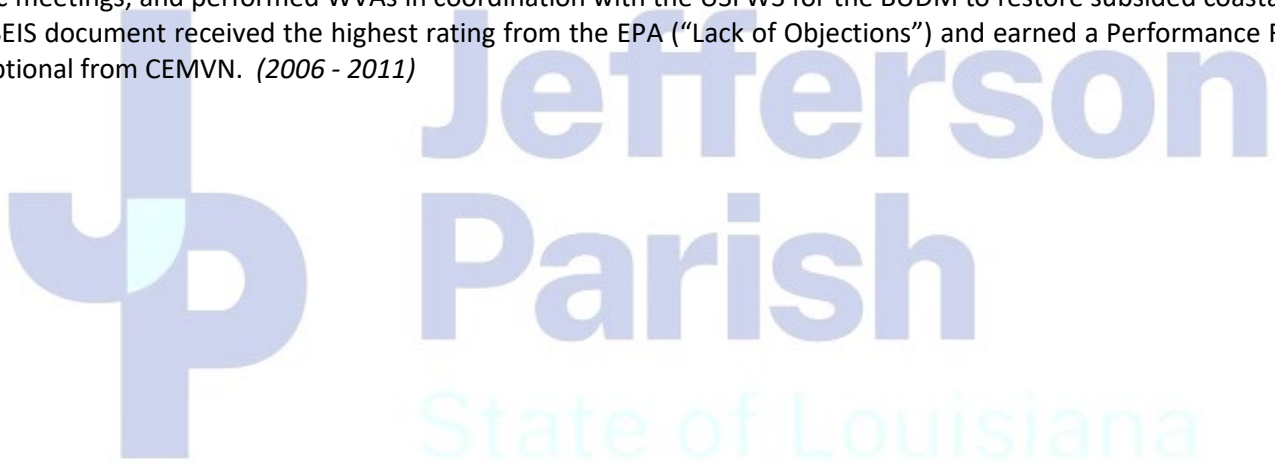
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report includes plan formulation, ecosystem designs, an Environmental Impact Statement, a USFWS Coordination Act Report, a complete depiction of all public coordination and a cost and schedule risk analysis. The project included the proposed restoration of 3,000 acres of freshwater swamp habitat within the Western Maurepas Swamp.

**LOUISIANA LNG ENERGY – MISSISSIPPI RIVER LNG THIRD PARTY EIS Louisiana.** *NEPA Specialist/Author* – Authored the geology, soils, and socioeconomics sections for the FERC third-party EIS for the proposed new LNG liquefaction and export facility and supporting 5.4-mile-long proposed pipeline. (2014 - 2016)

**PORT OF LAKE CHARLES EA: Lake Charles, LA.** *Project Manager* – Ms. Carnes managed and prepared the EA for the Port of Lake Charles. Through the PSGP administered by FEMA, the Port received a grant for the construction of a new Command and Control Center (the “City Docks Main Gate Entrance Project”). GEC assessed the potential environmental effects of the proposed action on resources, including geology/soils; air/water quality; wetlands; floodplains; biological, cultural, and socioeconomic resources; and hazardous substances, and lead the interagency coordination for the project. (2010 - 2011)

**SUPPLEMENTAL EIS AND DMMP for the CALCASIEU RIVER AND PASS: Calcasieu and Cameron Parishes, LA.** *Project Manager* - Developed a DMMP and SEIS for the placement and BUDM from the Calcasieu River and Pass. Formulated alternatives through an interagency process, consulted with numerous federal and state resource agencies, organized public meetings, and performed WVAs in coordination with the USFWS for the BUDM to restore subsided coastal marsh. The SEIS document received the highest rating from the EPA (“Lack of Objections”) and earned a Performance Rating of Exceptional from CEMVN. (2006 - 2011)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

**RICHARD "BARRY" MCCOY**, Senior Wetland Scientist

#### Project Assignment:

Coastal Use Permitting Specialist

#### Name of Firm with which associated:

G.E.C., Inc.

#### Years' experience with this Firm:

30

#### Education: Degree(s)/Year/Specialization:

B.S. / 1989 / Wildlife Conservation

#### Active Registration: Year first registered/discipline:

N/A

#### Other Experience and qualifications relevant to the proposed Project:

Mr. McCoy has over 30 years of experience within the environmental resources field. His experience includes wetland delineations, coastal use permitting T&E species surveys, Habitat Evaluation Procedures (HEP), biological assessments, and NEPA documentation. Mr. McCoy has participated in a Basic Wetland Delineation class conducted by the Wetland Training Institute and a Wetland Plant Identification Workshop conducted by the Wetland Biogeochemistry Institute of Louisiana State University. He has also attended the Wetland Delineation Preparatory course for the Wetland Delineator Certification Program provided through the Wetland Training Institute.

### RELEVANT PROJECT EXPERIENCE

**AMITE RIVER DIVERSION CANAL MODIFICATION EIS: Ascension and Livingston Parish, LA. Senior Scientist** - The project included the proposed restoration of 3,000 acres of freshwater swamp habitat within the Western Maurepas Swamp. Mr. McCoy led the efforts to complete all permits and field tasks including habitat assessments in support of the EIS, biological assessment, coastal use permitting, 404(b)(1) permit application, and the USFWS Coordination Act Report.

**SHARP ROAD IMPROVEMENT PROJECT: St. Tammany Parish, LA. Lead Field Wetland Scientist** - St. Tammany Parish Government is proposing to make improvements to Sharp Road in Mandeville, Louisiana. These improvements include installing subsurface drainage, reconstructing and resurfacing the roadway to provide a middle turn lane. GEC was contracted to provide the design/build services for the road improvements as well as provide the necessary environmental permitting. Mr. McCoy was the Senior Wetland Scientist responsible for conducting the wetland delineation within the project area. During field surveys of the project area, Mr. McCoy collected the necessary data to identify and map the wetland habitats that occur within the project area. He utilized the field data to prepare the wetland delineation report that was submitted to the New Orleans District Corps of Engineers for review and verification. He was also responsible for preparing the necessary coastal use permitting and wetland permit applications. (2020)

**EMERGENCY GENERATOR DESIGN AND INSTALLATION AT THREE LIFE STATION FACILITIES: St. John the Baptist Parish, LA: Senior Wetland Scientist** - Mr. McCoy was the Senior Wetland Scientist responsible for conducting the wetland delineation within the project area. During field surveys of the project area, Mr. McCoy collected the necessary data to identify and map the wetland habitats that occur within the project area. He utilized the field data to prepare the wetland delineation report that was submitted to the New Orleans District Corps of Engineers for review and verification. He was also responsible for preparing the necessary coastal use permitting and wetland permit applications. (2018)

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), (ON BEHALF OF USACE, NEW ORLEANS): Plaquemines, LA. Environmental Scientist** – Mr. McCoy served as a senior environmental scientist on the GEC Team and authored the wetlands sections. (2017 – Present)

**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA. Wetland Scientist** - Mr. McCoy was responsible for conducting a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, Corps of Engineers for both of the bridge replacement





locations. Mr. McCoy also assisted in preparing the necessary Corps of Engineers permit applications for projected impacts to wetlands and other waters.

**CLEVELAND STREET BRIDGE REPLACEMENT: Covington, LA. Biologist** - Mr. McCoy was responsible for conducting a wetland delineation at the project site and obtaining a jurisdictional determination from the New Orleans District, Corps of Engineers. He utilized this information to apply for a Section 10/404 Corps permit as well as an LDWF Natural and Scenic Rivers System permit.

**NATURAL HERITAGE INVENTORY. NAVAL INFORMATION OPERATIONS COMMAND: WV - Lead Field Biologist** – Responsible for conducting the necessary field efforts to document federal and state rare, T&E flora and fauna species found within the installation boundaries. He prepared a work plan that identified the flora and fauna species that potentially occurred on the base, and established the survey methods required to search for and document any rare, t&e plant, mammal, bird, pollinator, or herpetofauna species occurring within the boundaries of the installation. Mr. McCoy coordinated four multi-day field efforts with the Natural Resource Manager for the base as well as other personnel on the base required for access to the base. (08/20-Present)

**NATURAL RESOURCE FLORA AND FAUNA SURVEYS. Naval Station Great Lakes, IL: Lead Field Biologist** – As Lead Field Biologist he was responsible for conducting necessary field efforts to document wetlands, federal and state rare, T&E flora and fauna species found within the designated survey areas provided within the SOW. Mr. McCoy prepared a work plan that identified the flora and fauna species that potentially occurred on the base, and established the survey methods required to search for and document any wetlands, rare, threatened, and endangered plant, mammal, bird, pollinator, or herpetofauna species occurring within the designated survey areas. (03/21- Present)

**WEST COLYELL CREEK BANK STABILIZATION PROJECT, WETLAND DELINEATION AND PERMITTING: Livingston Parish, LA. Lead Field Wetland Scientist** - Mr. McCoy was the Lead Field Wetland Scientist responsible for conducting the field data collection necessary to identify and map wetlands and other waters within the project area. He prepared wetland data sheets and compiled the data and maps into a report that was submitted to the New Orleans District Corps of Engineers for verification. Once verified, the information was utilized to prepare the necessary permit applications for conducting the bank stabilization activities proposed for the project area.

**TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: 250 Miles of Hwy, LA. Lead Field Biologist** - Mr. McCoy was the Lead Field Biologist responsible for the completion of wetland delineations; threatened and endangered species surveys; and the required permit applications necessary for construction of approximately 250 miles of proposed highway right-of-way required for the highway expansion. He was responsible for preparing findings reports and submitting these reports to the appropriate state and federal agencies for review and concurrence. Also he assisted other Environmental Scientists with Phase I Site Assessments within the right-of-way and Asbestos Inspections of structures impacted by the proposed construction.

**FORT STORY AND LITTLE CREEK NAVY BASES, WETLAND DELINEATION UPDATE / RENEWAL: VA - Lead Field Wetland Scientist.** Previous Jurisdictional Wetland Determinations of the Joint Expeditionary Bases Fort Story and Little Creek in Virginia were expiring, so the U.S. Navy contracted with ILSI/GEC-RSK to conduct a review of these previous wetland delineations and provide an update and renewal of the Jurisdictional Determination for each base. As the Lead Field Wetland Scientist, Mr. McCoy was responsible for site visits and collection of additional data to document any changes in wetland/non-wetland habitat on each of the bases since the previous Jurisdictional Determination. Mr. McCoy conducted spot checks throughout the bases to verify any changes in habitat data from the previous delineation. He prepared data sheets necessary to document these changes and compiled the new data into a report along with completed data sheets and representative photos to be submitted to the Norfolk District Corps of Engineers for review and verification.

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

#### Name & Title:

**WILLIAM GRANT**, Environmental Scientist/Biologist

#### Project Assignment:

Environmental Scientist / Coastal Use Permitting Specialist

#### Name of Firm with which associated:

G.E.C., Inc.

#### Years' experience with this Firm:

19

#### Education: Degree(s)/Year/Specialization:

B.S. / 1994 / Biology

#### Active Registration: Year first registered/discipline:

N/A

#### Other Experience and qualifications relevant to the proposed Project:

Mr. Grant is a biologist having over 26 years of experience in wetlands delineation and quality, coastal use permitting impact analysis, and mitigation as well as performing invasive plant species surveys, over 200 Phase I and II ESA's, RECAP UST site investigations, noise and air analyses, and permitting. He has hands on knowledge for the planning, permitting, surveying, delineation, compliance monitoring, operation, impact analysis, and mitigation on over 2,500 acres of wetland mitigation banks, conservation easements, and servitudes.

### RELEVANT PROJECT EXPERIENCE

**THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD), (ON BEHALF OF USACE, NEW ORLEANS) Plaquemines, LA.** *Environmental Scientist* – Mr. Grant serves as an environmental scientist on the GEC Team for the 3rd-party EIS on behalf of the USACE MVN for its permit and permission decisions for the Section 404 and 408 being proposed by CPRA. The project is the first major controlled sediment diversion reconnecting the Mississippi River with its delta. Mr. Grant performed the Phase I ESA and developed relevant report sections. (2017 – Present)

**INVASIVE PLANT SPECIES MANAGEMENT AND BEACH IMPROVEMENTS: Naval Station Mayport, FL.** *Natural Resource Manager* - Mr. Grant served as the Natural Resource Manager and managed and oversaw the invasive plant species management and jetty beach improvements at the Naval Station. He managed herbicide application to 8.5 acres along the beach and beneath the lighthouse targeting selected invasive species. His team conducted manual removal of select invasive vegetation along 6 acres of the beach area. He provided direct oversight of planting 12,200 sea oats along the ridge and back slope of the dunes to support erosion control. (09/20-02/21)

**PRIVATE MITIGATION BANK CLIENTS, INVASIVE SPECIES MANAGEMENT: Southwestern Louisiana.** Ongoing monitoring and control of invasive and undesirable species on five commercial wetland mitigation banks in Calcasieu, Beauregard, and Allen Parishes. Performed surveys and ongoing invasive species control for 740 acres of coastal prairie and 590 acres of bottomland hardwood habitat. Control methods employed include aerial spraying, mechanical, prescribed burn, foliar and basal application. (2011- Present)

**WATERFOWL HABITAT IMPROVEMENT PROJECT: Gueydan, LA** Ongoing monitoring and control of invasive aquatic and woody vegetation within a 3,900-acre commercial waterfowl hunting and fishing operation. Management of vegetation within ponds, canals, impoundments, and resting habitat areas. Methods employed include fixed wing and rotary aircraft, hand/ boom spraying from airboats and vessels, mechanical removal with track mounted equipment, and controlled burning. (2013-Present)

**NPDES PERMITTING & TMDL DEVELOPMENT (VARIOUS PRIVATE CLIENTS & LDEQ): Statewide, LA.** Preparation of Federal and state permit applications and routine monitoring and reporting for commercial and industrial clients discharging effluent into national waters. Assistance in the development, review, and implementation of Total Maximum Daily Loads on multiple waterbodies in Louisiana.

**LADOTD TIMED PROGRAM: Louisiana.** *Environmental Scientist* – Mr. Grant functioned as biologist and field team leader for wetland delineation and T&E species surveys and permitting for the construction of 250 miles, consisting of



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

37 project segments, of four-lane highway throughout Louisiana. Total project encompassed over 10,000 acres of wetland and endangered species surveys. Subsequent responsibilities included assistance with surveys and habitat assessment updates. Mr. Grant conducted multiple Phase I ESA's as well as Phase II ESA's and prepared reports in accordance with ASTM E1527-00 and ASTM E1903-97, noting recognized environmental conditions within each segment and developing further investigation plans for numerous other sites.

**BIOLOGICAL MONITORING- BAYOU CADDY: Bay St Louis, MS.** Ongoing monitoring and evaluation of success criteria for a USACE Mobile District shoreline protection, restoration and marsh creation project located in Hancock County, Mississippi. Project involves bi-annual monitoring aquatic resources, plant community, shorebirds and mammals utilizing the site over a five-year period.

**SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN, LAKE PONTCHARTRAIN CAUSEWAY** – Mr. Grant was responsible for the development and ongoing update of the SPCC for the Causeway Bridge and associated facilities. This effort includes compliance monitoring for over 15 petroleum storage tanks owned by multiple parties, two vehicle maintenance facilities, three administrative sites, and review of spill response protocols for 26 miles of bridge roadway and approaches.

**RECAP ASSESSMENT AND CORRECTIVE ACTION PLAN, SOUTH SHORE TOLL PLAZA: Metairie, LA** - Mr. Grant managed all aspects of the RECAP site investigation to quantify the nature and extent of petroleum release including interim actions, the preparation of a FSP/QAPP, developing and executing the sampling program. Supervised the installation, operation and maintenance of a Dual Phase Vacuum Extraction system to remove hydrocarbons from soil and groundwater at the site. Responsible for all regulatory coordination and functioned as a liaison between GNOEC personnel and LDEQ.

**HAZARD ASSESSMENT, SOUTH SHORE TOLL PLAZA, USACE: Metairie, LA** – Mr. Grant was *Project Manager* for a multi-disciplinary review of potential hazards associated with the acquisition and demolition of the 2.5-acre South Shore Toll Plaza by the USACE. Conducted environmental, structural, and utility hazard survey of the facility to develop a hazard identification and mitigation plan for the site. ASBESTOS INSPECTION, GNOEC FACILITIES: Metairie and Mandeville, LA – Mr. Grant conducted comprehensive asbestos survey of all GNOEC owned and leased facilities in preparation for planned maintenance, renovation, and demolition activities.

**PHASE I SITE ASSESSMENT, EZ SERVE, WEST CAUSEWAY APPROACH: Mandeville, LA** - Mr. Grant conducted a Phase I Site Assessment and Compliance Review for a convenience store and gasoline station located adjacent to GNOEC right-of-way in advance of planned roadway widening and intersection improvements for the Lake Pontchartrain Causeway.

**WETLAND DETERMINATION AND DELINEATION FOR PROPOSED TOLL LANE EXPANSION, NORTH SHORE TOLL PLAZA: Mandeville, LA** – Mr. Grant performed wetland delineation and permitting of proposed right-of-way expansion and addition of additional toll lanes at the North Shore Toll Plaza. Responsible for surveying and permitting area or proposed roadway expansion and installation of a retaining wall adjacent to Lake Pontchartrain.

**CONSTRUCTION MONITORING AND OVERSIGHT, HURRICANE KATRINA EMERGENCY RESPONSE, NORTH SHORE TOLL PLAZA: Mandeville, LA** - Mr. Grant provided construction monitoring and oversight for the installation of revetment along severely eroded shoreline adjacent to and underneath the Causeway Bridge Northshore decks and approaches immediately following Hurricane Katrina. His responsibilities included environmental monitoring and recommendations for shoreline restoration.


**CCES GENE KYLE PIT, Calcasieu Parish, LA.** Performed a Wetland Delineation and 404 Permit Application for a commercial dirt pit operation located in Moss Bluff, Louisiana. (2015)

**HOUSTON RIVER ROAD PROJECT, Lake Charles, LA.** Wetland delineation and 404 permitting for a private client development in Lake Charles, Louisiana. (2015) Subsequent work included revisions to permit application and permit renewal with the USACE. (2021)

**PHASE I ENVIRONMENTAL SITE ASSESSMENT, PRIVATEER BOULEVARD TRACT, Barataria, LA** - *Rathborne Land Company* - Conducted an ASTM E 1527-13 Phase I Site Assessment on 7-acre former industrial site located on the Barataria Waterway in Jefferson Parish, LA (2022).

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

<b>Name &amp; Title:</b>	
<b>JASON AVANT, Sr. Botanist</b>	
<b>Project Assignment:</b>	
Botanist / Permitting Specialist	
<b>Name of Firm with which associated:</b>	
G.E.C., Inc.	
<b>Years' experience with this Firm:</b>	
15	
<b>Education: Degree(s)/Year/Specialization:</b>	
B.S. / 2004 / Natural Sciences, Minor, Chemistry and Education	
<b>Active Registration: Year first registered/discipline:</b>	
N/A	
<b>Other Experience and qualifications relevant to the proposed Project:</b>	
<p>Mr. Avant is an environmental scientist and lead botanist at GEC. He has 15 years of experience in coastal plant communities and has performed numerous wetland delineations, vegetation and habitat surveys, biological surveys, and threatened and endangered species surveys in support of permit applications and NEPA documentation.</p> <p><b>RELEVANT PROJECT EXPERIENCE</b></p> <p><b>NATURAL HERITAGE INVENTORY. NAVAL INFORMATION OPERATIONS COMMAND: SUGAR GROVE, WV:</b> <i>Lead Field Botanist</i>– Mr. Avant was the Lead Field Botanist responsible for conducting the necessary field efforts to document federal and state rare, T&amp;E flora and fauna species found within the installation boundaries. Mr. Avant identified the flora species that potentially occurred on the base, and established the survey methods required to search for and document any rare, threatened, and endangered plant occurring within the boundaries of the installation. (08/20-Present)</p> <p><b>WETLAND DELINEATIONS: LA, TX, MS, OK.</b> <i>Botanist</i> – Mr. Avant performed wetland delineations on land parcels in accordance with Section D, Subsection 2 of Technical Report Y-87-1, USACE Wetlands Delineation Manual, and the Regional Supplement to the Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region. (2007 - 2017)</p> <p><b>NATURAL RESOURCE FLORA AND FAUNA SURVEYS: Naval Station Great Lakes, IL.</b> <i>Lead Field Botanist</i> – Mr. Avant was the Lead Field Botanist responsible for conducting the necessary field efforts to document federal and state rare, T&amp;E flora found within the designated survey areas provided within the SOW Mr. Avant identified the flora species that potentially occurred and established the methods required to search for and document any rare, threatened, and endangered plant occurring within the boundaries. (03/21-Present)</p> <p><b>CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.</b> <i>Biologist</i> - Mr. Avant participated in a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the USACE New Orleans District for both bridge locations. He also assisted in preparing the necessary USACE permit applications for projected impacts to wetlands and other waters within the project area for both replacement projects. (04/19-12/21)</p> <p><b>S.P. H.004983 / U.S. 11-WIDENING EA: Slidell, LA.</b> <i>Biologist</i> – Mr. Avant participated in an EA for the NORPC in compliance with FHWA NEPA requirements for the widening of US 11 in Slidell, LA. He participated in wetlands, threatened and endangered species, floodplains, and a Phase I ESA. (01/14-05/16)</p> <p><b>OIL SPILL RESPONSE – MC-252 DWH SPILL RESPONSE: New Orleans, LA.</b> <i>Field Representative</i> - Field Representative for CPRA responsible for monitoring clean-up efforts by both manual and mechanical oil recovery crews. Monitors were responsible for ensuring that the filed crews were conducting the clean up in accordance with Shoreline Treatment Recommendations (STR) to maintain net environmental benefits to the marsh for two STR phases (STR S3-045 and STR4-032.r.1) in northern Barataria Bay and several STRs on the barrier islands near Grand Isle. Coordinated closely with</p>	



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## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

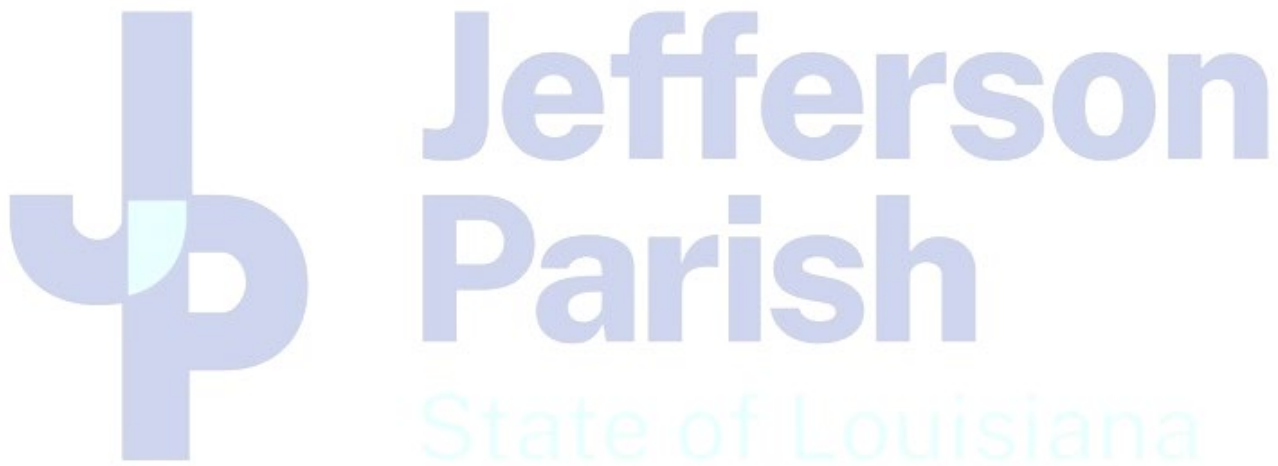
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NOAA, LDEQ, and LDWF monitors as well as supervisors and technicians with USES, KEBAWK, Mid-Gulf, and ES&H.

**BOTANICAL SURVEY – OFFICE OF COASTAL RESTORATION AND PROTECTION: Coastal Louisiana.** *Botanist* – Mr. Avant assisted in gathering data for DNR using the Braun-Blanquet method. His responsibilities included field identification of vascular plants. (2008 - 2011)

**NOAA: Louisiana Coast.** *Botanist* – Coordinated and led field teams as a NOAA representative for Dial Cordy. Included project work aimed at identifying oil-impacted areas, as well as quantifying its impact on vegetation and oyster reefs in the Barataria-Terrebonne and Breton Sound estuaries on the Louisiana coast. (2010 – 2011)

**USDA FOREST SERVICE: Mississippi.** *Botanist* – Mr. Avant assisted with the draft document production for the biological evaluation (FS08-FS10) for the Hamill, Friendship, and Tombigbee Ranger District in Mississippi.



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**L. WORK BY FIRM OR JOINT-VENTURE MEMBERS WHICH BEST ILLUSTRATES CURRENT QUALIFICATIONS RELEVANT TO THIS PROJECT. PLEASE INCLUDE ANY AND ALL WORK PERFORMED FOR JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

### PROJECT NO. 1


Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:	
<p><b>LASAFE AIRLINE AND MAIN COMPLETE STREETS</b> St. John the Baptist Parish, Laplace, Louisiana</p> <p><i>Client: St. John the Baptist Parish Rene' Pastorek Planning and Zoning Director 1811 W. Airline Highway LaPlace, Louisiana 70068 (985) 651-5565, ext 1154 r.pastorek@stjohn-la.gov</i></p>	<p>GEC was selected to provide all necessary engineering design for the Airline and Main Complete Streets project, a resilient infrastructure and community nonstructural mitigation/flood risk reduction project in LaPlace. The vision for this project is to serve as an example project of how to plan for a future of heightened flood risk in a low risk area by incorporating storm water management strategies into public infrastructure projects while providing residents with enhanced active transportation options for the corridor, providing an opportunity to retrofit the corridor into a more walkable, livable space while allowing consistency with LADOTD project guidelines.</p> <div data-bbox="500 1031 932 1241"> <p style="text-align: center;"><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>• Coastal use permitting</li> <li>• Section 404 Wetland permit application</li> </ul> </div> <p>GEC conducted field surveys for a wetland delineation within the project footprint and prepared a wetland delineation report that was submitted to the New Orleans Corps of Engineers to request a Preliminary Jurisdictional Determination (JD). GEC also prepared and submitted Corps of Engineers Section 404 Wetland permit application, Louisiana Department of Natural Resources Coastal Use permit application, and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1,500 feet of the Mississippi River Main Line Levee. GEC coordinated with all three agencies through the completion of each permit or request.</p> <p>GEC engineers calculated preliminary quantities and developed a preliminary estimated construction cost. The final engineering plans and specifications have been completed in accordance with the LADOTD Roadway Design Procedures and Details Manual. Additionally, staff developed fees for all costs from surveying to construction. The project is currently under construction with an estimated completion of June 2023.</p>	
<p><b>Completion Date (Actual or Estimated):</b> 09/2019 – Present (06/23 est)</p>	<b>Estimated Cost:</b>	
	<p><b>Entire Project:</b> \$4,800,000 (const cost)</p>	<p><b>Work for which Firm was responsible:</b> \$1,160,000 (GEC Fee)</p>





## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:					
<p><b>SHARP ROAD</b> St. Tammany Parish, Mandeville, Louisiana</p> <p><i>Client: St. Tammany Parish Government Christopher Corvers Project Manager, DPW 21454 Koop Drive Mandeville, LA 70471 (985) 898-2552 cjcorvers@stpgov.org</i></p>	 <p>GEC is providing preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction along Sharp Rd. in Mandeville, Louisiana. Road design services include pavement structural design and preliminary and final roadway design and plan development be in accordance with AASHTO Standards and the LADOTD Road Design Manual.</p> <p>The hydraulic design of the site includes viable drainage alternates for the site in the preliminary design, to be reviewed and approved by St. Tammany Parish Dept. of Engineering. Hydraulic design is being performed as specified in the current edition of the LADOTD Hydraulics Manual.</p> <p>GEC is providing all permitting services, including coastal use permits, wetland permits (404 and Nationwide) and Section 10 permits from USACE and Scenic Rivers permit (as applicable).</p> <p>Upon completion of design, GEC will provide construction engineering inspection services. LADOTD TAP Grant Funding will be utilized for sidewalk construction.</p> <div style="background-color: #002060; color: white; padding: 10px; margin-top: 20px;"> <p style="text-align: center; margin: 0;"><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>Coastal use permitting</li> </ul> </div>					
<p><b>Completion Date (Actual or Estimated):</b></p> <p>11/2021 - Present</p>	<p><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Entire Project:</th> <th style="width: 50%;">Work for which Firm was responsible:</th> </tr> <tr> <td style="text-align: center;">\$568,855.11 (total fee)</td> <td style="text-align: center;">\$366,920.46 (GEC fee)</td> </tr> </table>		Entire Project:	Work for which Firm was responsible:	\$568,855.11 (total fee)	\$366,920.46 (GEC fee)
Entire Project:	Work for which Firm was responsible:					
\$568,855.11 (total fee)	\$366,920.46 (GEC fee)					

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:
<p><b>HYDROLOGIC RESTORATION AT THE AMITE RIVER DIVERSION CANAL</b> Livingston Parish, Louisiana</p> <p><i>Client: Wes LeBlanc CPRA 400 Laurel Street, Suite 1200 Baton Rouge, LA 70804 225/342-4127 Joseph.leblanc@la.gov</i></p> 	<p>The Hydrologic Restoration of the Amite River Diversion Canal (ARDC) (PO-142) project involves the restoration of approximately 1,600 acres of forested freshwater swamp habitat in Livingston Parish, Louisiana. Due to impoundment and hydrologic interference, portions of the Western Maurepas Swamp have been degrading and slowly converting from a freshwater swamp habitat to a freshwater marsh habitat and open water. The objective of the project was the increase hydrologic connectivity between the ARDC and the degraded swamp habitat, reduce habitat conversion of swamp to open water, reduce impoundment, and improve the fish and wildlife habitat. Project features include dredging cuts in the northern ARDC spoil bank and dredging conveyance channels within portions of the adjacent forested freshwater swamp.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="background-color: #002060; color: white; padding: 10px; margin-top: 10px;"> <p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>• Coastal Restoration Planning</li> <li>• Coastal Use Permitting</li> <li>• H&amp;H Engineering</li> <li>• Design</li> <li>• Plans &amp; Specifications</li> <li>• Bid Assistance</li> <li>• Construction Inspection</li> <li>• Contract Administration</li> </ul> </div> <p>GEC played a primary role in developing the project throughout the study and was engineer-of-record for the design phases while assisting with construction management and inspection. During the eight years of project development, GEC worked with multiple agencies, including the Louisiana Coastal Protection and Restoration Authority and the United States Army Corps of Engineers. Applicable permits and environmental review included a Biological Assessment, Coastal Zone Consistency Determination, 404(b)(1) permit application, and USFWS Coordination Act Report. Additional phases of the project to be completed include vegetative plantings within the most highly degraded swamp habitat, nutria protection of plantings, site assessments, and invasive vegetation management.</p> <p>GEC coordinated all aspects of the project delivery with CPRA and USACE including plan formulation, cost estimation, risk analysis, cost-effectiveness/incremental cost analysis, and report production. The report, which is an integrated document, includes an</p>

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### **HYDROLOGIC RESTORATION AT THE AMITE RIVER DIVERSION CANAL**

Livingston Parish, Louisiana  
(cont'd)

Environmental Impact Statement, a USFWS Coordination Act Report, a complete depiction of all public coordination and all necessary cost and risk analysis. Cost estimates included both planning-level and MCACES estimates. The project included the proposed restoration of 3,000 acres of freshwater swamp habitat within the Western Maurepas Swamp. GEC also handled all coordination with local and federal agencies, along with local stakeholders and the remainder of the project delivery team.

GEC acted as project manager and primary point of contact on this ecosystem restoration project from the planning through construction phases. Working with CPRA, GEC coordinated all aspects of the Preconstruction Engineering and Design phase of the project including project design, design documentation, development of construction specifications, permitting, cost estimation, and report production. The report included all required design documentation, plans and specifications, construction quantities, costs, and schedule, and permitting coordination. The project included the proposed restoration of 1,600 acres of freshwater swamp habitat within the Western Maurepas Swamp. GEC also handled all coordination with local and federal agencies, along with local stakeholders and the remainder of the project delivery team. GEC assisted with construction management of the project, which completed the civil construction phase of the project in March 2017.



Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was responsible:
2017	\$736,806 (earthmoving phase)	\$107,000 (GEC fees)



# TEC PROFESSIONAL SERVICES QUESTIONNAIRE

## PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:					
<p><b>FEASIBILITY REPORT AND ENVIRONMENTAL IMPACT STATEMENT (EIS) HOUMA NAVIGATIONAL CANAL DEEPENING PROJECT, SECTION 203</b></p> <p>Houma, Louisiana</p> <p><i>Client: CPRA Wes LeBlanc 150 Terrace Avenue Baton Rouge, LA 70802 (225) 342-4127 Joseph.leblanc@la.gov</i></p>	<p>Inadequate depth in the Houma Navigation Canal (HNC) gave rise to this deepening project. Canal depth in the 36.6-mile channel — extending south from the Gulf Intracoastal Waterway in Houma, Louisiana, to the Gulf of Mexico — could no longer accommodate the current fleet of large vessels traversing the channel, nor could it support the offshore oil and gas platform fabrication operations along the HNC.</p> <p>To remedy these two conditions, Louisiana's Coastal Protection and Restoration Authority (CPRA) contracted GEC to prepare a Feasibility Report and Environmental Impact Statement (EIS) for the Houma Navigation Canal Deepening Project under Section 203 of the Water Resources Development Act of 1986. With completion of these two tasks, the project met all technical requirements necessary for the Secretary of the Army to consider it for approval.</p> <p>GEC supplied all services, materials, supplies, plant, labor, equipment, investigations, superintendence, travel, and coordination with all local, state, and federal authorities as required for the completion of a Feasibility Investigation of deepening the existing HNC to -20 feet (NAVD88). Applicable permits and environmental review included, but were not limited to, Coastal Zone Consistency Determination/Coastal Use Permit, and USFWS Coordination, and State Historic Preservation Officer (SHPO) Coordination. GEC modified and supplemented existing documentation prepared by the U.S. Army Corps of Engineers, New Orleans District to provide a comprehensive and current assessment of the project's feasibility.</p> <div data-bbox="505 1050 1015 1736"> </div> <div data-bbox="1044 1050 1515 1736"> <p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>• Coastal restoration planning through beneficial use of dredge material</li> <li>• Coastal use permitting</li> <li>• Coastal engineering</li> <li>• H&amp;H engineering</li> <li>• Shoreline protection</li> <li>• Beneficial use of dredged material</li> <li>• Interfacing with engineering and scientific disciplines</li> <li>• General engineering and hydraulic studies</li> <li>• Technical document development and review</li> <li>• Report preparation and presentation</li> <li>• Estimates of probable cost</li> </ul> </div>					
<p><b>Completion Date (Actual or Estimated):</b></p> <p>2018</p>	<p><b>Estimated Cost:</b></p> <table border="1"> <tr> <th data-bbox="488 1843 1015 1875">Entire Project:</th><th data-bbox="1015 1843 1539 1875">Work for which Firm was responsible:</th></tr> <tr> <td data-bbox="488 1875 1015 1906">To be determined</td><td data-bbox="1015 1875 1539 1906">\$1,200,000 (GEC fees)</td></tr> </table>		Entire Project:	Work for which Firm was responsible:	To be determined	\$1,200,000 (GEC fees)
Entire Project:	Work for which Firm was responsible:					
To be determined	\$1,200,000 (GEC fees)					

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:	
<p><b>CALCASIEU RIVER AND PASS DREDGED MATERIAL MANAGEMENT PLAN (DMMP) AND SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT (SEIS)</b> Cameron Parish, Louisiana</p> <p><i>Client: U.S. Army Corps of Engineers Mississippi Valley Division New Orleans District (CEMVN) Michelle Boudreaux 504.862.1374</i></p>	<p>GEC prepared a Dredged Material Management Plan (DMMP) and Supplemental Environmental Impact Statement (SEIS) for the disposal of dredged material from the routine maintenance of the Calcasieu River and Pass, Louisiana, project.</p> <p>In order to execute this project, GEC worked in close coordination with the CEMVN Project Delivery Team (PDT) through a series of phase-based task orders. The DMMP and SEIS were delivered in accordance with "Guidance for Conducting Civil Works Planning Studies" dated 22 April 2000 (Engineering Regulation [ER] 1105-2-100). ER 1105-2-100 required that the DMMP address the requirements of all applicable environmental statutes for all disposal options considered, including the requirements of the National Environmental Policy Act (NEPA), Section 404 of the Clean Water Act, Section 103 of the Marine Protection, Research and Sanctuaries Act, the Endangered Species Act, the Fish and Wildlife Coordination Act, and the Coastal Zone Management Act.</p> <p>As part of the DMMP, GEC investigated alternatives for managing dredged material for the next 20 years, including confined disposal, aquatic (open water or ocean) disposal, within-banks disposal, beach nourishment, and other beneficial uses. An assessment of existing conditions and projected conditions with- and with-out the proposed Federal project was conducted. In addition to dredged material generated by channel maintenance, the DMMP also assessed the disposal of dredged material from the Lake Charles Harbor and Terminal District (LCHTD) and other channel users (i.e., CITGO, Conoco Phillips, Cameron Parish, and others) that may be generated through activities such as berthing development and maintenance. GEC developed the draft DMMP and SEIS in coordination with the Public, including property owners likely to be affected, and resource agencies. Through this task order, GEC prepared a final DMMP and SEIS, incorporating public and agency comments. The Government shall use the outputs of this project to approve construction of the recommended plan.</p> <div style="background-color: #2c4e64; color: white; padding: 10px; margin-top: 20px;"> <p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>Coastal restoration planning through the beneficial use of dredge material</li> <li>Coastal use permitting</li> <li>Prepared Final DMMP/SEIS</li> </ul> </div>	
Completion Date (Actual or Estimated):	Estimated Cost:	
2011	Entire Project:	Work for which Firm was responsible:
	N/A	\$3,200,000 (GEC fees)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:	
<p><b>CONSULTING ENGINEER (ENVIRONMENTAL SERVICES)</b> St. Tammany and Jefferson Parishes, Louisiana</p> <p><i>Client: GNOEC Carlton Dufrechou P.O. Box 7656 Metairie, Louisiana 70010 (504) 835-3118 cdufrechou@gnoec.com</i></p>	<p>For over 29 years, GEC has served as the Consulting Engineer for the Greater New Orleans Expressway Commission (GNOEC) Lake Pontchartrain Causeway. In this role, GEC has provided a multitude of services to support the maintenance, improvement, and operations of the Lake Pontchartrain Causeway Bridge, including environmental program management oversight. GEC manages regulatory stakeholder solicitation, coastal use permitting, environmental field investigations and assessments, and National Environmental Policy Act (NEPA) documentation. Recent projects, documented as Categorical Exclusions, include:</p> <ul style="list-style-type: none"> <li>H.009324, North Shore Toll Plaza Lane Modification (August 2011)</li> <li>H.009322, Piling Restoration-Transformer Platforms (July 2012)</li> <li>H.009323, North Channel Bascule Control System Replacement (July 2012)</li> <li>H.009325, South Channel Fender Repair / Structural Improvements (July 2012)</li> <li>H.005970, Replace Damaged Traffic Signs (NB/SB) (September 2012)</li> <li>H.005971, Modifications to Cable Tray Support System (September 2012)</li> <li>H.005973, Realignment of Northbound Bridge Span (September 2012)</li> <li>H.005972, Modifications to the Nine Mile Turnaround Spans (September 2016)</li> <li>H.011231, North Toll Plaza Scour Protection (April 2014)</li> <li>H.011206, Cable Support Tray Repairs (April 2014)</li> <li>H.011217, Demolition of the Nine Mile Turnaround (April 2014)</li> </ul> <p>GEC documented these projects in accordance with LADOTD's Environmental of Standard Practice guidance regarding Stage 0 – Feasibility and Stage 1 – Planning/Environmental processes. GEC prepared preliminary Purpose and Need Statements, assessed alternatives, and identified potential environmental constraints using the Department's Environmental Determination Checklist. GEC prepared and conducted regulatory Solicitations of Views (SOVs), prepared responses to regulatory comments/guidance, conducted wetland delineations, prepared wetland/water body survey reports and prepared Coastal Use Permit applications.</p> <p>GEC prepared Spill Prevention, Control, and Countermeasure (SPCC) Plans for the Causeway Bridge and Nine Raw Sugar Mills in Louisiana. GEC prepares, maintains, and updates SPCC Plans in accordance with requirements contained in 40 CFR Part 112 and LAC 33:IX.9 to detail contingency planning, operating procedures, and BMPs to prevent and control the discharge of pollutants resulting from spill events.</p>	
<p><b>Completion Date (Actual or Estimated):</b></p>	<p><b>Estimated Cost:</b></p>	
	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was responsible:</b></p>
1991 - Present	\$1,000,000 (annual fee)	\$1,000,000 (annual fee)



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

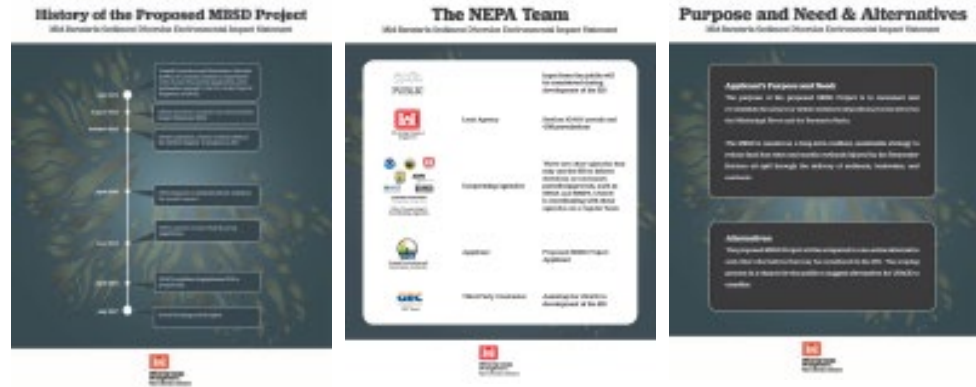
### PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:
<p><b>THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (BA-153)</b> Myrtle Grove, Plaquemines Parish, Louisiana</p> <p><i>Client: CPRA Brad Barth / Liz Davoli 150 Terrace Avenue Baton Rouge, Louisiana 70802 (225) 342-4553 Bradley.barth@la.gov Elizabeth.davoli@la.gov</i></p> 	<p>CPRA has applied for a U.S. Army Corps of Engineers (USACE) permit pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408 for construction of the Mid-Barataria Sediment Diversion (MBSD). The primary feature of the MBSD is a proposed gated diversion structure through the west bank of Mississippi River levee at River Mile 60.7, a 2.25-mile conveyance channel, and construction of an outfall transition feature in the Barataria Basin. Coincidental to the main structures are replacement of LA Hwy 23 with a fixed-span bridge over the conveyance channel, modification of area rail lines, and associated utility and pipeline relocations and protection. In addition to informing the USACE decisions, the EIS will be used to inform decisions that the Deepwater Horizon (DWH) Natural Resource Damage Assessment (NRDA) Louisiana Trustee Implementation Group (LA TIG) may make regarding restoration planning in the Barataria Basin under the Oil Pollution Act (OPA) and the Deepwater Horizon Oil Spill Final Programmatic Damage Assessment and Restoration Plan and Final Programmatic EIS (PDARP/PEIS) and associated Record of Decision (ROD).</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="524 846 943 1394" style="background-color: #002060; color: white; padding: 10px; width: 30%;"> <p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>Coastal Restoration Planning</li> <li>Third-Party NEPA Documentation</li> <li>Multiple Cooperating Agencies</li> <li>High Level of Public Interest/Controversy</li> <li>Compliance with MMPA, ESA, MSFCMA</li> <li>Environmental Justice Considerations</li> </ul> </div> <div data-bbox="971 835 1523 1388" style="width: 60%;">  </div> </div> <p>GEC prepared the third-party EIS on behalf of the USACE, New Orleans District (MVN) to inform its decision relative to issuance of those permits and permissions pursuant to the National Environmental Policy Act (NEPA) of 1969, as amended (42 U.S.C. 4321 et seq.) and the Council on Environmental Quality NEPA regulations (40 CFR Parts 1500-1 508). GEC prepared the Draft EIS and Final EIS, and assisted MVN Regulatory staff with preparation of the Least Environmentally Damaging Practicable Alternative (LEDPA) analysis for the permit decision.</p> <p>GEC led a broad team of technical experts to assess the potential adverse and beneficial socioeconomic, biological, and physical resource impacts associated with the construction and operation of the project. GEC has 12 team members to assist in this NEPA effort. GEC is the Prime contractor and overall project management firm, primarily responsible for NEPA documentation and compliance, alternatives development and analysis, public involvement, cumulative impacts, and technical</p>

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (BA-153) (cont'd)

oversight and NEPA documentation for all relevant biological, socioeconomic, transportation, navigation, and physical resource impact analyses. GEC also led the successful completion of the comment-response process for more than 40,000 public comments, and conducted outreach with affected environmental justice communities. GEC has shared responsibilities with its subcontractors.



This complex and highly controversial project is the first of its kind to be considered subject to the requirements set forth in Title 41 of the Fixing America's Surface Transportation Act (FAST-41) (42 USC §4370m et seq.) and added to the Permitting Dashboard at the request of a non-federal entity (CPRA) and the first project included on the Permitting Dashboard for which USACE is the lead federal agency. Additionally, the project includes seven cooperating agencies, 10 commenting agencies, and 11 consulting tribes for the NEPA process and 10 cooperating agencies, four participating agencies, and three participating tribes in the FAST-41 process. In particular, this EIS will be closely coordinated with NOAA/NMFS in regards to compliance with the Endangered Species Act (ESA), Marine Mammal Protection Act (MMPA), Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), Oil Pollution Act (OPA), and Natural Resource Damage Assessment (NRDA) restoration planning.

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was responsible:
9/2022	\$2,200,000,000 (Estimated)	\$1,984,000 (GEC fees)

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:					
<p><b>DOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM MANAGEMENT</b> Statewide, Louisiana</p> <p><i>Client: LA Department of Transportation and Development Toby Picard, PE 1201 Capitol Access Road Baton Rouge, Louisiana 70802 (225) 379-1032 Toby.picard@la.gov</i></p>	<p>GEC's Environmental Sciences and Engineering Department provided environmental planning, surveying, design, permitting and compliance services pursuant to the construction of 35 project segments comprising more than 260 miles of new highway construction addressed in the Louisiana Department of Transportation and Development's Transportation Infrastructure Model for Economic Development (TIMED) Program. The program required National Environmental Policy Act (NEPA) evaluations and processing necessary to procure Federal and other environmental permits required for construction and included the following tasks:</p> <ul style="list-style-type: none"> <li>GEC conducted wetland delineations, permit applications, and mitigation with 3 USACE districts (15 individual Section 404 permits) addressing 476 sites and 382 acres of wetlands and Other Waters sites.</li> <li>Biological surveys, planning and design coordination with the USFWS and the LDWF to avoid and/or mitigate impacts to 8 threatened or endangered species and numerous protected, rare, and sensitive species.</li> <li>GEC conducted all necessary coordination with the U.S. Coast Guard, Eighth District, to obtain authorizations in accordance with the Coast Guard Act of 1982 for 74 bridges.</li> <li>GEC also conducted all coordination with the Louisiana Department of Wildlife and Fisheries necessary to obtain 7 Scenic River Use Permits.</li> <li>To facilitate U.S. Army Corps of Engineers and Louisiana Department of Environmental Quality Clean Water Act Section 401/404 permitting, GEC combined project segments, where feasible, and initiated cost-effective compensatory mitigation processes with LDWF.</li> </ul> <div style="background-color: #002060; color: white; padding: 10px; margin: 10px 0;"> <p style="text-align: center; margin: 0;"><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>Coastal use permitting</li> <li>Environmental Planning, Surveying, Design, NEPA, Permitting, Compliance</li> <li>Wetland delineations, threatened &amp; endangered species surveys, biological surveys, and mitigation</li> <li>Bridge site location selection, planning and permitting, GIS, CADD</li> </ul> </div> <p>All environmental data were collected using global positioning system (GPS) equipment, and field data were stored, managed, merged with highway plan and profile computer aided design and drafting (CADD) files, and analyzed using GIS to facilitate reporting and regulatory coordination. Using this methodology GEC was able to expedite regulatory review and permitting, and all permits necessary for project construction were obtained at an accelerated rate and well in advance of construction letting. GEC GIS data included, in part, aerial photography, USGS topographic maps, NWI maps, soil surveys, wetlands, Other Waters and T/E field survey data, highway plan and profile designs, NRCS WRP and CRP properties, state and federally owned stewardship areas, LDWF natural heritage data, and scenic streams. For a particular corridor within the project, GEC reduced the required number of permits from 13 to five and, as a result, obtained the required wetlands and water quality permits within five months of application.</p>					
<p><b>Completion Date (Actual or Estimated):</b></p> <p>2002 - 2013</p>	<p style="text-align: center;"><b>Estimated Cost:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; text-align: center;"><b>Entire Project:</b></td> <td style="width: 50%; border: none; text-align: center;"><b>Work for which Firm was responsible:</b></td> </tr> <tr> <td style="border: none; text-align: center;">\$86,000,000 (Eng Cost) / \$2B (Const Cost)</td> <td style="border: none; text-align: center;">\$86,000,000 (Eng Cost) / \$2B (Const Cost)</td> </tr> </table>		<b>Entire Project:</b>	<b>Work for which Firm was responsible:</b>	\$86,000,000 (Eng Cost) / \$2B (Const Cost)	\$86,000,000 (Eng Cost) / \$2B (Const Cost)
<b>Entire Project:</b>	<b>Work for which Firm was responsible:</b>					
\$86,000,000 (Eng Cost) / \$2B (Const Cost)	\$86,000,000 (Eng Cost) / \$2B (Const Cost)					

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature Of Firm's Responsibility:
<p><b>DAUPHIN ISLAND EAST END BEACH AND BARRIER ISLAND RESTORATION</b> Dauphin Island, Alabama</p> <p><i>Client: Town of Dauphin Island 1011 Bienville Boulevard Dauphin Island, AL 36528 Dr. Scott Douglas, SCE (251) 510-2903 scott@southcoastalengineers.com</i></p>	<p>The Town of Dauphin Island East End Beach and Barrier Island Restoration Project extends from southwest of Fort Gaines to near Audubon Street, a distance of approximately 0.93 miles. The existing groin field (8 groins) at the eastern terminus of the Project area dates back to the early 1900s and became detached from the Project area in 1991 due to shoreline recession.</p> <p>The initial Conceptual Design of the Project called for approximately 240,000 cubic yards of beach compatible fill from an offshore Borrow Area to be placed on the Island. This fill will restore the beach to conditions present within the past decade and enhance recreational use of the area. The fill cross-section will also reduce the likelihood of saltwater influx into the unique upland freshwater lake during storms and restore damaged/lost dune habitat. GEC is the lead coastal engineering design and permitting firm on a consultant team and serves as the Engineer of Record. Other services provided by the team include acting as the Town's agent, surveying, and construction services.</p>  <div style="background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>• Regulatory Permits</li> <li>• Restore Damaged/Lost Dune Habitat</li> <li>• Coastal Engineering Design</li> <li>• Surveying</li> <li>• Construction Services</li> </ul> </div> <p>Prior to the Project construction, the existing rock groins were detached from the retreating shoreline, in overall poor condition, and ineffective. A key design challenge entailed formulation of a functional use of the existing rock rather than simple abandonment or removal of the groins. We formulated a configuration of three shore-parallel breakwaters to improve stability of the proposed beach fill in the lee of the breakwaters; in addition, extra fill was placed to the west of the breakwaters to offset their downdrift effects.</p> <p>Timely obtainment of regulatory permits from the USACE and State of Alabama ADEM were also a key challenge. Our solution entailed (a) formulation of the Project design and permit applications consistent with USACE and ADEM regulations, and (b) proactive, positive, and supportive engagement of USACE and ADEM staff prior to and</p>

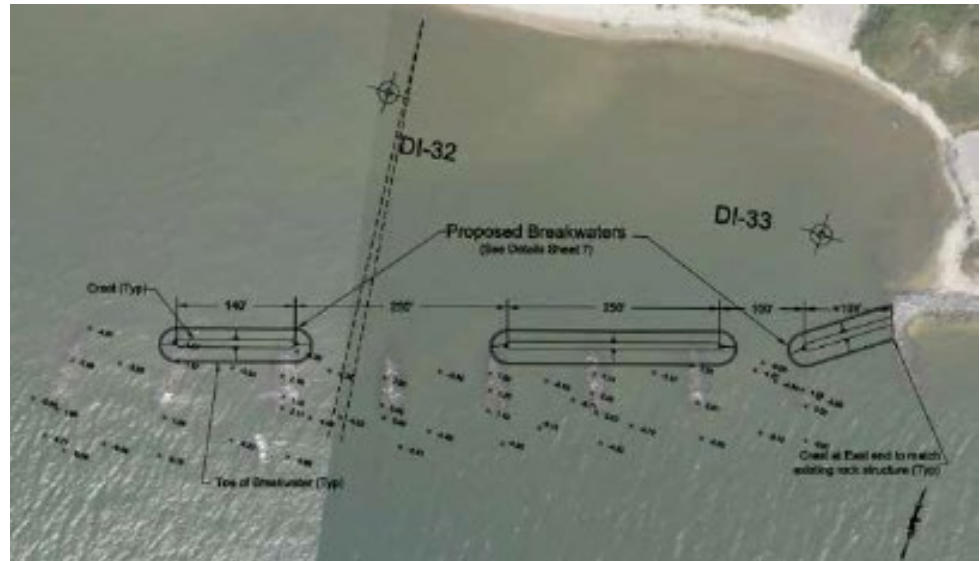
## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

### DAUPHIN ISLAND EAST END BEACH AND BARRIER ISLAND RESTORATION

Dauphin Island, Alabama  
(cont'd)

during the permitting process.

Compliance with the myriad provisions of the USACE and ADEM permits during construction entailed another key challenge. Our solution was to develop and implement a "Permit Tracker" that identifies all permit requirements, who is responsible – Owner, Engineer, or Contractor – for fulfillment of each condition, and the associated due date. Via implementation of the "Permit Tracker," construction was successfully completed and accepted in compliance with the permits.



Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was responsible:
2016	\$6,380,000 (Estimated)	\$319,000 (GEC fees)



PROJECT NO. 10

Project Name, Location and  
Owner's contact information:

Nature Of Firm's Responsibility:

**SHORELINE DELINEATION AND SUBMERGED AQUATIC VEGETATION SURVEYS BAYOU CHEVEE, BAYOU LABRANCHE, DELTA-WIDE CREVASSES AND FRITCHIE MARSH, LOUISIANA**  
Bayous Chevee, Labranche, & Delta-Wide Crevasses, and Fritchie Marsh, Louisiana

*Client: Coastal Protection and Restoration  
Wes LeBlanc  
150 Terrace Avenue  
Baton Rouge, Louisiana 70804  
(225) 342-4127  
Joseph.leblanc@la.gov*

**SHORELINE DELINEATION AND SUBMERGED AQUATIC VEGETATION SURVEYS FOR THE BAYOU CHEVEE SHORELINE PROTECTION (PO-22) PROJECT:** GEC performed a delineation of the shoreline located behind the rock structure as well as the unprotected shoreline located in the reference area. GEC employed a differential GPS system with a remote mount antenna to conduct sub-meter accurate shoreline mapping from a GEC airboat. Current shoreline data were compared to those from previous surveys and utilized to calculate changes in land area. In conjunction with DNR, GEC developed specific protocols to address variations in survey methodologies and data interpretation. Deliverables included detailed final report with methods, findings, and full-color satellite imagery depicting land changes, as well as GIS database and shape files. Additionally, GEC provided field personnel to assist DNR personnel conducting submerged aquatic vegetation surveys utilizing methods described in Nyman and Chabreck (1996). Surveys were performed from an airboat with multiple sample points along several pre-determined transects across the project area.



**VEGETATION SURVEY OF THE BAYOU LABRANCHE WETLAND CREATION (PO-17) PROJECT:** GEC was contracted by DNR to provide field personnel and an airboat to assist with monitoring for the PO-17 project. GEC biologists assisted DNR in locating 33 pre-established vegetative sample sites within the project area. Within those plots, GEC assisted with vegetation identification and quantification, determining sediment and water elevations utilizing staff gauges, and collecting sediment core samples with a "Swenson" corer.



KEY FEATURES

- Coastal restoration planning
- Delineation of shoreline behind structure and unprotected shoreline
- Assisted with vegetation identification and quantification
- Collected sediment core samples
- Provided field data sheets and photographic logs

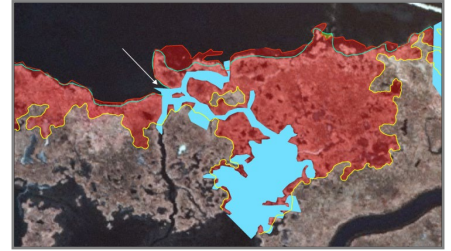
**VEGETATION SURVEY OF THE DELTA-WIDE CREVASSES (MR-09) PROJECT:** GEC provided two field crews and one airboat to assist with vegetation monitoring for the MR-09 project. GEC personnel assisted DNR in locating 80 pre-established vegetative sample plots via GPS and performing vegetation identification and quantification



## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**SHORELINE DELINEATION AND SUBMERGED AQUATIC VEGETATION SURVEYS BAYOU CHEVEE, BAYOU LABRANCHE, DELTA-WIDE CREVASSES AND FRITCHIE MARSH, LOUISIANA**  
 Bayous Chevee, Labranche, & Delta-Wide Crevasses, and Fritchie Marsh, Louisiana  
 (cont'd)

within those stations using the modified Braun-Blanquet technique. Deliverables included field data sheets and photographic logs.



Jefferson  
Parish

State of Louisiana

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was responsible:
2012	<\$100,000	<\$100,000

## TEC PROFESSIONAL SERVICES QUESTIONNAIRE

**M. LIST ALL PRIOR AND/OR ON-GOING LITIGATION BETWEEN FIRM AND JEFFERSON PARISH. PLEASE ATTACH ADDITIONAL PAGES IF NECESSARY.**

Parties:		Status/Result Of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

**N. USE THIS SPACE TO PROVIDE ANY ADDITIONAL INFORMATION OR DESCRIPTION OF RESOURCES SUPPORTING FIRM'S QUALIFICATIONS FOR THE PROPOSED PROJECT.**

### Miscellaneous Environmental Services

#### STATEMENT OF QUALIFICATIONS

G.E.C., Inc. (GEC) appreciates the opportunity to offer Jefferson Parish a highly capable and experienced professional team to provide services for miscellaneous environmental services. We are committed to providing professional environmental services to Jefferson Parish on time and within budget to effectively accomplish the goals of this contract.

Our staff includes certified and licensed professional engineers with national prominence to provide miscellaneous environmental services. GEC supports municipalities and local governments in the planning, design, an rehabilitation of public facilities systems vital to public service to enhance the quality of life of residents of Jefferson Parish.

GEC's services include the ability to perform, as a subcontractor, the required coastal use permitting and coastal planning support staff/services needed for this contracts.

***We have thoroughly reviewed the solicitation and feel confident GEC has the broad experience and full array of personnel necessary to complete all services described in the Request for Qualifications. GEC has the required technical capabilities needed by Jefferson Parish to provide these services.***

#### FIRM OVERVIEW

**GEC has maintained an office in Jefferson Parish on Causeway Boulevard in Metairie since 2008**

**Privately held Corporation**

**Established in 1986 in Baton Rouge, with additional offices in California and Florida**

**Over 100 employees providing civil, permitting, coastal engineering, planning, and restoration, and more.**

**O. TO THE BEST OF MY KNOWLEDGE, THE FOREGOING IS AN ACCURATE STATEMENT OF FACTS.**

Signature:  Print Name: Sherri, LeBas, PE

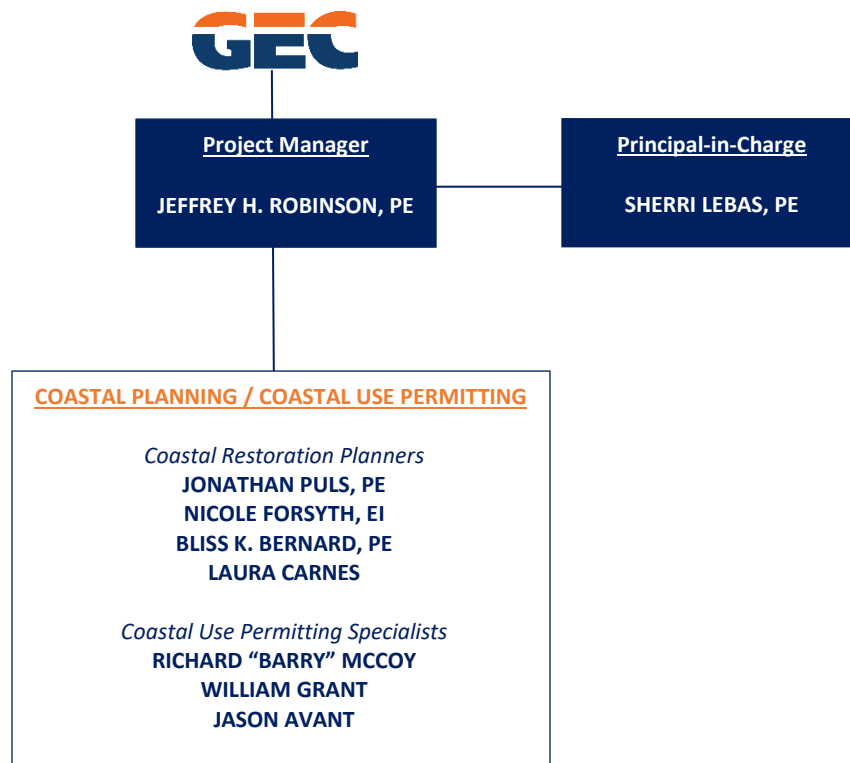
Title: Senior Vice President Date: January 3, 2022

## Organizational Chart

### SUBCONTRACTOR TO LEAAF

JEFFERSON PARISH RESOLUTION 140859  
MISCELLANEOUS ENVIRONMENTAL SERVICES – SOQ 22-54

GEC is subcontractor to Leaaf and this organizational chart details GEC's staff of experts proposed for this project. We propose an efficient and responsive staff of professionals to deliver the coastal use permitting and coastal planning services required for this project.



### ABOUT GEC

GEC was founded on one simple principle that remains the key differentiator for the firm today - a passion for helping the communities for which we live and work. For over 30 years, GEC has provided clients with a highly professional, multi-disciplinary staff that includes engineering, environmental, coastal sciences, economics, construction, and planning.

GEC has provided environmental consulting services for thousands of projects, including coastal use permit applications; coastal restoration planning assistance; research of regulations; environmental site assessments; corrective action plans; risk assessments, and available technologies. Thorough familiarity with federal and state laws, regulations, executive orders, guidelines and procedures allows GEC's staff to seamlessly assist our clients in any or all environmental needs from conceptual design to final action. Clients include federal, state and local governmental entities, major and minor industries, commercial establishments, developers and landowners, and Native American tribes.



Together with our teaming partners, GEC can provide the Parish with the depth of resources necessary to complete the required miscellaneous environmental services for this project. GEC is a subcontractor to Leaaf to assist with coastal use permit and coastal planning.

### Evaluation Criteria

#### 1. PROFESSIONAL TRAINING AND EXPERIENCE

##### SMALL, SITE-SPECIFIC ENVIRONMENTAL PROJECTS

GEC completed construction management and inspection for the Hydrologic Restoration at the Amite River Diversion Canal. Starting eight years ago, GEC played a primary role in the feasibility study, permitting, and environmental compliance process and is the engineer-of-record for project plans and specifications while assisting CPRA with bidding and construction award. Construction was completed in March 2017.

GEC, through its personnel, has extensive knowledge of environmental consulting in Louisiana. Many of our individuals have spent the last 30 years or more engaged in engineering services for local, state, and federal governments in Louisiana. This relationship results from direct involvement with CPRA, LDNR, LDEQ, LADOTD, USACE, DOI, BOEM, St. Tammany Parish, Jefferson Parish, Plaquemines Parish, St. Bernard Parish, St. John the Baptist Parish, City of Slidell, City of Mandeville, and several levee boards, i.e., Lafourche Basin, Pontchartrain, East and West Jefferson, Orleans, and Lake Borgne Basin.

GEC has been selected by numerous federal, state, and local government agencies, and the private sector to use our expert talents to perform more than 1,200 water resources related reconnaissance, feasibility, advanced planning, modeling, engineering designs, design reports, plans and specifications, and construction.

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**2. PAST AND CURRENT PROFESSIONAL ACCOMPLISHMENTS**  
**FOR WHICH REFERENCES AND INFORMATION GATHERED BY INSPECTION OF**  
**CURRENT OR RECENT PROJECTS MAY BE CONSIDERED**

GEC has an excellent record of performance of engineering services contracts for various State, Local and Federal agencies. Our performances have produced environmental consulting services on time and within budget without delays or controversy. We maintain an excellent reputation, and have performed similar work for Jefferson Parish in addition to many local agencies.

We encourage the selection committee to contact references listed for all projects listed in Section L of our TEC Professional Services Questionnaire.

**3. CAPACITY FOR TIMELY COMPLETION**  
**INCLUDING THE SIZE OF THE FIRM BASED ON THE NUMBER OF PERSONNEL, AS RELATED TO PROJECT REQUIREMENTS AND/OR**  
**SCOPE**

Since 1986, GEC has had an exemplary reputation for on-schedule work. Our staff of professionals (both here and elsewhere in the region) gives us the flexibility needed to meet challenging deadlines. In selecting GEC, Jefferson Parish opts for a firm with a proven record of delivering projects on schedule.

GEC consistently completes project tasks in a time commensurate with a task's complexity. As part of the Louisiana TIMED Management (LTM) Joint Venture, GEC was a key contributor in accelerating the turnkey delivery of more than 260 miles of new highway construction from a 30-year schedule to 10 years, and then further accelerating the 10-year schedule to 8 years. Our staff utilizes various methods to manage multiple large projects simultaneously and meet deadlines under an aggressive schedule.

Some of the various ways we perform this task include using a team approach, coordinating tasks between offices, relying on our knowledge of Local, State and Federal Regulations, employing staff that is proficient in multiple fields and following a company-wide a Quality Control/Quality Assurance plan.

GEC employs a diversified staff of certified and licensed Louisiana based professionals with a support staff of technicians and administrative professionals, all of whom are readily available to meet the needs of this project.

**Minimum Requirements for Selection**

**The persons or firms under consideration for professional services shall have at least one (1) firm representative who has at least five (5) years' experience in the field or fields of expertise required for the project(s).**

Jeffrey Robinson, PE, LA Licensed PE No. 29322  
37 years of experience (see page 3)




## ADDITIONAL INFORMATION

**The Louisiana Professional Engineering and Land Surveying Board has the following information on file:**

Name: Public Address:  
G. E. C., Inc. Mr. Jim Mitchell  
8282 Goodwood Boulevard  
Baton Rouge, LA 70806


### License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001917	ACTIVE	11/15/1994	03/31/2023	Mr. Cary Allen Bourgeois # PE.0023414 - Active Ms. Sherri Hammond LeBas # PE.0023844 - Active

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Ms. Sherri Hammond LeBas</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0023844</b>	<b>03/31/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
<b>Mr. Jeffrey Howell Robinson</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0029322</b>	<b>03/31/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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## ADDITIONAL INFORMATION




**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
[www.lapels.com](http://www.lapels.com)

**Mr. Jonathan Earl Puls**

License/Certificate Type - Number	Expiration Date
<b>PE.0034739</b>	<b>09/30/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.




**LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
[www.lapels.com](http://www.lapels.com)

**Mrs. Bliss Kelley Bernard**

License/Certificate Type - Number	Expiration Date
<b>PE.0042709</b>	<b>03/31/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.



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ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)**  
9643 Brookline Avenue, Suite 121  
Baton Rouge, LA 70809  
Phone (225) 925-6291  
[www.lapels.com](http://www.lapels.com)

**Mrs. Nicole Lynn Donaldson Forsyth**

License/Certificate Type - Number	Expiration Date
<b>EI.0019841</b>	<b>09/30/2023</b>
<b>Status: Active</b>	

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

L.A.R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

**SUBCONTRACTOR  
QUESTIONNAIRE  
PACE ANALYTICAL SERVICES**



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**SOQ 22-054 Miscellaneous Environmental Services for the Jefferson  
Parish Department of Environmental Affairs**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)  
15-Dec-2022 07:14:07 AM

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.



## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

SOQ 22-054

**B. Firm Name & Address:**

Pace Analytical Services  
1000 Riverbend Drive, Suite F  
St. Rose, LA 70087

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

N/A

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

N/A

**E. Please provide the number of employees whose primary function corresponds with each category:**

<input type="text"/> _1_ Administrative	<input type="text"/> Estimators	<input type="text"/> Specification Writers
<input type="text"/> Architects (Licensed)	<input type="text"/> Geologists	<input type="text"/> Structural Engineers
<input type="text"/> Chemical Engineers	<input type="text"/> Geotechnical Engineers	<input type="text"/> Graduate Engineers
<input type="text"/> Civil Engineers	<input type="text"/> Interior Designers	<input type="text"/> _8_ Project Managers
<input type="text"/> Construction Inspectors	<input type="text"/> Landscape Architects	<input type="text"/> Clerical
<input type="text"/> Ecologists	<input type="text"/> Land Surveyor	<input type="text"/> Grant/Funding Specialist
<input type="text"/> Electrical Engineers	<input type="text"/> Mechanical Engineers	<input type="text"/> Sanitary Engineers
<input type="text"/> Engineer Intern	<input type="text"/> Environmental Engineers	
<input type="text"/> Professional Land Surveyors		<input type="text"/> _9_ TOTAL

**F. Is this submittal by a JOINT-VENTURE? Please check: YES      XNO**

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
**YES          NO**

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
<b>1.</b> Pace does not anticipate subcontracting any work		
<b>2.</b>		
<b>3.</b>		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

\_\_\_\_\_

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Tracy Easley - General Manager

**Project Assignment:**

Oversees management of operational functions; responsible for the development and implementation of lab, services and field programs, performance and metrics, policies and procedures.

**Name of Firm with which associated:**

Pace Analytical Services, LLC

**Years' experience with this Firm:**

19

**Education: Degree(s)/Year/Specialization:**

Certificate in Laboratory Technology, 1984

**Active registration: Year first registered/discipline:**

**Other experience and qualifications relevant to the proposed Project:**

Pace Lean facilitator  
Pace Water Quality Manager

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Cinnamon Mitchell - Client Services Manager
<b>Project Assignment:</b>
Provides leadership and guidance to project management. Meets with other department managers to organize and schedule workloads. Provides technical support to customers. Responsible for overall implementation of customer services and project management activities.
<b>Name of Firm with which associated:</b>
Pace Analytical Services, LLC
<b>Years' experience with this Firm:</b>
5
<b>Education: Degree(s)/Year/Specialization:</b>
B.S. Chemistry, University of New Orleans
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
Project Manager - Pace Analytical Services, LLC Laboratory Analyst - Thionville Laboratory

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Karen Brown - Project Manager
<b>Project Assignment:</b>
Responsible for overall implementation of project management details for assigned clients. Prepares reports and technical papers and manages large-scale complex projects. Serves as interface between client and laboratory management to achieve client satisfaction with delivery of analytical results.
<b>Name of Firm with which associated:</b>
Pace Analytical Services, LLC
<b>Years' experience with this Firm:</b>
27
<b>Education: Degree(s)/Year/Specialization:</b>
B.A. Biology, University of Mississippi
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
Client Services Manager - Pace Analytical Services, LLC Division Manager - National Environmental Testing



## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Jefferson Parish Department of Environmental Affairs RFP 5000136703 Two year contract for environmental laboratory analytical services 2022 - Present Inga Dupre idupre@jeffparish.net	Provide laboratory analysis to support Jefferson Parish's water quality laboratory and bacteriology laboratory	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Feb 2022 - Feb 2024	\$30,000	Laboratory analysis

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
LADEQ RFP 3000016517 5 year contract for analytical services Sandy Koon sandy.koon@la.gov	Provide laboratory analytical services to support LADEQ's mission for assessment and monitoring of environmental conditions and investigation of sites of known, suspected or potential contamination throughout the state.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2026	\$300k annually	Laboratory analysis

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Valero Refinery-Norco Wastewater, groundwater, waste analysis Prasanna Parasuraman prasanna.parasuraman@valero.com	Provide laboratory analysis related to NPDES permits and waste disposal.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2002 to present	\$200k annually	Laboratory analysis

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
S3 Syncom Space Services Wastewater and waste analysis Paula Perez <a href="mailto:paula.f.peres@nasa.gov">paula.f.peres@nasa.gov</a>	Provide laboratory analysis associated with NPDES permits and waste analysis	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2021 - present	\$50,000	Laboratory analysis

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
National Water Infrastructure, LLC Geismar LA Wastewater Analysis Wendy Cooper wcooper@nwila.com	Provide laboratory analysis associated with NPDES permits.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005 - present	\$100,000	Laboratory analysis

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>



## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Pace is a full-service sampling and analytical testing firm operating since 1978 with a network of over 50 environmental laboratories and over 2800 employees across the United States and Puerto Rico. The key to our success is our commitment to building a strong foundation, and our commitment to quality, consistency and continuous improvement.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature: Tracy Easley Print Name: Tracy Easley

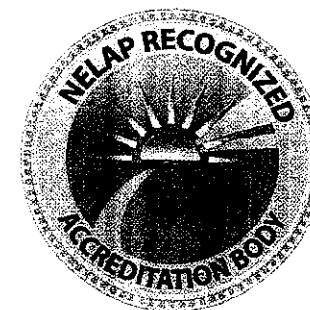
Title: General Manager Date: 12/21/2022

## **CERTIFICATIONS**



**STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



**Pace Analytical Services LLC New Orleans  
1000 Riverbend Blvd Ste F  
St. Rose, Louisiana 70087**

**Agency Interest No. 22756  
Activity No. ACC20220003**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and agrees to adapt to any changes in the requirements. It also acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I and the 2009 TNI Standard by which the laboratory was assessed. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:1.4711.

Tonya Landry  
Administrator  
Public Participation and Permit Support Services Division

Issued Date: 8/24/2022

Effective on Issue Date  
Expiration Date: **June 30, 2023**  
Certificate Number: **02006**





STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: August 24, 2022

1000 Riverbend Blvd Ste F, St. Rose, Louisiana 70087

Certificate Number: 02006

Pace Analytical Services LLC New Orleans

AI Number: 22756

Activity No. ACC20220003

Expiration Date: June 30, 2023

## Air Emissions

NONE	NONE	NONE	NONE	NONE
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## Non Potable Water

100647 - Ultimate Biochemical Oxygen Demand (UBOD)	SM 5210 C, Online Edition	2836	NELAP	LA
100647 - Ultimate Biochemical Oxygen Demand (UBOD)	SM 5210 C-2011	9325	NELAP	LA
1923 - Reactive Cyanide	EPA 7.3.3.2	10001204	NELAP	LA
1925 - Reactive sulfide	EPA 7.3.4.2	10001408	NELAP	LA
2055 - Turbidity	EPA 180.1	10011402	NELAP	LA
1000 - Aluminum	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1005 - Antimony	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1010 - Arsenic	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1015 - Barium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1020 - Beryllium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1025 - Boron	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1030 - Cadmium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1035 - Calcium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1040 - Chromium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1050 - Cobalt	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1055 - Copper	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1070 - Iron	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1075 - Lead	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1085 - Magnesium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1090 - Manganese	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1100 - Molybdenum	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1105 - Nickel	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1125 - Potassium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1140 - Selenium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1150 - Silver	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1155 - Sodium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1160 - Strontium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1165 - Thallium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1175 - Tin	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1180 - Titanium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1185 - Vanadium	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1190 - Zinc	EPA 200.7, Rev.4.4	10013806	NELAP	LA
1000 - Aluminum	EPA 200.7, Rev.5	10014003	NELAP	LA
1005 - Antimony	EPA 200.7, Rev.5	10014003	NELAP	LA
1010 - Arsenic	EPA 200.7, Rev.5	10014003	NELAP	LA
1015 - Barium	EPA 200.7, Rev.5	10014003	NELAP	LA
1020 - Beryllium	EPA 200.7, Rev.5	10014003	NELAP	LA
1025 - Boron	EPA 200.7, Rev.5	10014003	NELAP	LA
1030 - Cadmium	EPA 200.7, Rev.5	10014003	NELAP	LA
1035 - Calcium	EPA 200.7, Rev.5	10014003	NELAP	LA

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Non Potable Water

1040 - Chromium	EPA 200.7, Rev.5	10014003	NELAP	LA
1050 - Cobalt	EPA 200.7, Rev.5	10014003	NELAP	LA
1055 - Copper	EPA 200.7, Rev.5	10014003	NELAP	LA
1070 - Iron	EPA 200.7, Rev.5	10014003	NELAP	LA
1075 - Lead	EPA 200.7, Rev.5	10014003	NELAP	LA
1085 - Magnesium	EPA 200.7, Rev.5	10014003	NELAP	LA
1090 - Manganese	EPA 200.7, Rev.5	10014003	NELAP	LA
1100 - Molybdenum	EPA 200.7, Rev.5	10014003	NELAP	LA
1105 - Nickel	EPA 200.7, Rev.5	10014003	NELAP	LA
1125 - Potassium	EPA 200.7, Rev.5	10014003	NELAP	LA
1140 - Selenium	EPA 200.7, Rev.5	10014003	NELAP	LA
1150 - Silver	EPA 200.7, Rev.5	10014003	NELAP	LA
1155 - Sodium	EPA 200.7, Rev.5	10014003	NELAP	LA
1160 - Strontium	EPA 200.7, Rev.5	10014003	NELAP	LA
1165 - Thallium	EPA 200.7, Rev.5	10014003	NELAP	LA
1175 - Tin	EPA 200.7, Rev.5	10014003	NELAP	LA
1180 - Titanium	EPA 200.7, Rev.5	10014003	NELAP	LA
1185 - Vanadium	EPA 200.7, Rev.5	10014003	NELAP	LA
1190 - Zinc	EPA 200.7, Rev.5	10014003	NELAP	LA
1000 - Aluminum	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1005 - Antimony	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1010 - Arsenic	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1015 - Barium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1020 - Beryllium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1025 - Boron	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1030 - Cadmium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1035 - Calcium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1040 - Chromium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1050 - Cobalt	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1055 - Copper	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1070 - Iron	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1075 - Lead	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1085 - Magnesium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1090 - Manganese	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1095 - Mercury	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1100 - Molybdenum	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1105 - Nickel	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1125 - Potassium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1140 - Selenium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1150 - Silver	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1155 - Sodium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1160 - Strontium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1165 - Thallium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1175 - Tin	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1180 - Titanium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1185 - Vanadium	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1190 - Zinc	EPA 200.8, Rev.5.4	10014605	NELAP	LA
1095 - Mercury	EPA 245.1	10036609	NELAP	LA
1730 - Fluoride	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1635 - Cyanide	EPA 335.4	10061402	NELAP	LA
1645 - Total Cyanide	EPA 335.4	10061402	NELAP	LA
1795 - Kjeldahl nitrogen - total	EPA 351.2, Rev.2	10065404	NELAP	LA
1865 - Organic nitrogen	EPA 351.2, Rev.2	10065404	NELAP	LA
1870 - Orthophosphate as P	EPA 365.3	10070801	NELAP	LA
1910 - Total Phosphorus	EPA 365.4	10071202	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

Certificate Number: 02006

AI Number: 22756  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Non Potable Water

1905 - Total Phenolics	EPA 420.1	10079400	NELAP	LA
1905 - Total Phenolics	EPA 420.4, Rev.1	10080203	NELAP	LA
4375 - Benzene	EPA 602	10102202	NELAP	LA
4765 - Ethylbenzene	EPA 602	10102202	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 602	10102202	NELAP	LA
5140 - Toluene	EPA 602	10102202	NELAP	LA
5260 - Xylene (total)	EPA 602	10102202	NELAP	LA
5240 - m+p-xylene	EPA 602	10102202	NELAP	LA
5250 - o-Xylene	EPA 602	10102202	NELAP	LA
1466 - Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	10118806	NELAP	LA
1460 - Synthetic Precipitation Leaching Procedure	EPA 1312	10119003	NELAP	LA
1401 - Acid Digestion of waters for Total Recoverable or Dissolved Metals	EPA 3005	10133003	NELAP	LA
1401 - Acid Digestion of waters for Total Recoverable or Dissolved Metals	EPA 3005A	10133207	NELAP	LA
1401 - Acid Digestion of Aqueous samples and Extracts for Total Metals	EPA 3010	10133401	NELAP	LA
1401 - Acid Digestion of Aqueous samples and Extracts for Total Metals	EPA 3010A	10133605	NELAP	LA
1444 - Separatory Funnel Liquid-liquid extraction	EPA 3510C	10138202	NELAP	LA
1410 - Continuous Liquid-liquid extraction	EPA 3520C	10139001	NELAP	LA
1448 - Solid-Phase Extraction (SPE)	EPA 3535A	10139409	NELAP	LA
1406 - Purge and trap for aqueous phase samples	EPA 5030B	10153409	NELAP	LA
1450 - Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples	EPA 5035	10154004	NELAP	LA
1000 - Aluminum	EPA 6010B	10155609	NELAP	LA
1005 - Antimony	EPA 6010B	10155609	NELAP	LA
1010 - Arsenic	EPA 6010B	10155609	NELAP	LA
1015 - Barium	EPA 6010B	10155609	NELAP	LA
1020 - Beryllium	EPA 6010B	10155609	NELAP	LA
1025 - Boron	EPA 6010B	10155609	NELAP	LA
1030 - Cadmium	EPA 6010B	10155609	NELAP	LA
1035 - Calcium	EPA 6010B	10155609	NELAP	LA
1040 - Chromium	EPA 6010B	10155609	NELAP	LA
1050 - Cobalt	EPA 6010B	10155609	NELAP	LA
1055 - Copper	EPA 6010B	10155609	NELAP	LA
1070 - Iron	EPA 6010B	10155609	NELAP	LA
1075 - Lead	EPA 6010B	10155609	NELAP	LA
1080 - Lithium	EPA 6010B	10155609	NELAP	LA
1085 - Magnesium	EPA 6010B	10155609	NELAP	LA
1090 - Manganese	EPA 6010B	10155609	NELAP	LA
1100 - Molybdenum	EPA 6010B	10155609	NELAP	LA
1105 - Nickel	EPA 6010B	10155609	NELAP	LA
1125 - Potassium	EPA 6010B	10155609	NELAP	LA
1140 - Selenium	EPA 6010B	10155609	NELAP	LA
1150 - Silver	EPA 6010B	10155609	NELAP	LA
1155 - Sodium	EPA 6010B	10155609	NELAP	LA
1160 - Strontium	EPA 6010B	10155609	NELAP	LA
1165 - Thallium	EPA 6010B	10155609	NELAP	LA
1175 - Tin	EPA 6010B	10155609	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

Certificate Number: 02006

AI Number: 22756  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

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## Non Potable Water

1180 - Titanium	EPA 6010B	10155609	NELAP	LA
1185 - Vanadium	EPA 6010B	10155609	NELAP	LA
1190 - Zinc	EPA 6010B	10155609	NELAP	LA
1000 - Aluminum	EPA 6010C	10155803	NELAP	LA
1005 - Antimony	EPA 6010C	10155803	NELAP	LA
1010 - Arsenic	EPA 6010C	10155803	NELAP	LA
1015 - Barium	EPA 6010C	10155803	NELAP	LA
1020 - Beryllium	EPA 6010C	10155803	NELAP	LA
1025 - Boron	EPA 6010C	10155803	NELAP	LA
1030 - Cadmium	EPA 6010C	10155803	NELAP	LA
1035 - Calcium	EPA 6010C	10155803	NELAP	LA
1040 - Chromium	EPA 6010C	10155803	NELAP	LA
1050 - Cobalt	EPA 6010C	10155803	NELAP	LA
1055 - Copper	EPA 6010C	10155803	NELAP	LA
1070 - Iron	EPA 6010C	10155803	NELAP	LA
1075 - Lead	EPA 6010C	10155803	NELAP	LA
1080 - Lithium	EPA 6010C	10155803	NELAP	LA
1085 - Magnesium	EPA 6010C	10155803	NELAP	LA
1090 - Manganese	EPA 6010C	10155803	NELAP	LA
1100 - Molybdenum	EPA 6010C	10155803	NELAP	LA
1105 - Nickel	EPA 6010C	10155803	NELAP	LA
1125 - Potassium	EPA 6010C	10155803	NELAP	LA
1140 - Selenium	EPA 6010C	10155803	NELAP	LA
1150 - Silver	EPA 6010C	10155803	NELAP	LA
1155 - Sodium	EPA 6010C	10155803	NELAP	LA
1160 - Strontium	EPA 6010C	10155803	NELAP	LA
1165 - Thallium	EPA 6010C	10155803	NELAP	LA
1175 - Tin	EPA 6010C	10155803	NELAP	LA
1180 - Titanium	EPA 6010C	10155803	NELAP	LA
1185 - Vanadium	EPA 6010C	10155803	NELAP	LA
1190 - Zinc	EPA 6010C	10155803	NELAP	LA
1000 - Aluminum	EPA 6020A	10156408	NELAP	LA
1005 - Antimony	EPA 6020A	10156408	NELAP	LA
1010 - Arsenic	EPA 6020A	10156408	NELAP	LA
1015 - Barium	EPA 6020A	10156408	NELAP	LA
1020 - Beryllium	EPA 6020A	10156408	NELAP	LA
1025 - Boron	EPA 6020A	10156408	NELAP	LA
1030 - Cadmium	EPA 6020A	10156408	NELAP	LA
1035 - Calcium	EPA 6020A	10156408	NELAP	LA
1040 - Chromium	EPA 6020A	10156408	NELAP	LA
1050 - Cobalt	EPA 6020A	10156408	NELAP	LA
1055 - Copper	EPA 6020A	10156408	NELAP	LA
1070 - Iron	EPA 6020A	10156408	NELAP	LA
1075 - Lead	EPA 6020A	10156408	NELAP	LA
1085 - Magnesium	EPA 6020A	10156408	NELAP	LA
1090 - Manganese	EPA 6020A	10156408	NELAP	LA
1095 - Mercury	EPA 6020A	10156408	NELAP	LA
1100 - Molybdenum	EPA 6020A	10156408	NELAP	LA
1105 - Nickel	EPA 6020A	10156408	NELAP	LA
1125 - Potassium	EPA 6020A	10156408	NELAP	LA
1140 - Selenium	EPA 6020A	10156408	NELAP	LA
1150 - Silver	EPA 6020A	10156408	NELAP	LA
1155 - Sodium	EPA 6020A	10156408	NELAP	LA
1160 - Strontium	EPA 6020A	10156408	NELAP	LA
1165 - Thallium	EPA 6020A	10156408	NELAP	LA

Pace Analytical Services LLC New Orleans

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Certificate Number: 02006

AI Number: 22756  
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## Non Potable Water

1180 - Titanium	EPA 6020A	10156408	NELAP	LA
1185 - Vanadium	EPA 6020A	10156408	NELAP	LA
1190 - Zinc	EPA 6020A	10156408	NELAP	LA
1045 - Chromium VI	EPA 7196	10162206	NELAP	LA
1045 - Chromium VI	EPA 7196A	10162400	NELAP	LA
1095 - Mercury	EPA 7470	10165603	NELAP	LA
1095 - Mercury	EPA 7470A	10165807	NELAP	LA
4350 - Allyl alcohol	EPA 8015C, Rev.3	10173816	NELAP	LA
4750 - Ethanol	EPA 8015C, Rev.3	10173816	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015C, Rev.3	10173816	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C, Rev.3	10173816	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015C, Rev.3	10173816	NELAP	LA
4930 - Methanol	EPA 8015C, Rev.3	10173816	NELAP	LA
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8015C, Rev.3	10173816	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8015C, Rev.3	10173816	NELAP	LA
4375 - Benzene	EPA 8021	10174400	NELAP	LA
4765 - Ethylbenzene	EPA 8021	10174400	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021	10174400	NELAP	LA
5140 - Toluene	EPA 8021	10174400	NELAP	LA
5260 - Xylene (total)	EPA 8021	10174400	NELAP	LA
5240 - m+p-xylene	EPA 8021	10174400	NELAP	LA
5250 - o-Xylene	EPA 8021	10174400	NELAP	LA
4375 - Benzene	EPA 8021A	10174604	NELAP	LA
4765 - Ethylbenzene	EPA 8021A	10174604	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021A	10174604	NELAP	LA
5140 - Toluene	EPA 8021A	10174604	NELAP	LA
5260 - Xylene (total)	EPA 8021A	10174604	NELAP	LA
5240 - m+p-xylene	EPA 8021A	10174604	NELAP	LA
5250 - o-Xylene	EPA 8021A	10174604	NELAP	LA
4375 - Benzene	EPA 8021B	10174808	NELAP	LA
4765 - Ethylbenzene	EPA 8021B	10174808	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021B	10174808	NELAP	LA
5140 - Toluene	EPA 8021B	10174808	NELAP	LA
5260 - Xylene (total)	EPA 8021B	10174808	NELAP	LA
5240 - m+p-xylene	EPA 8021B	10174808	NELAP	LA
5250 - o-Xylene	EPA 8021B	10174808	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 8260B	10184802	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	LA
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	NELAP	LA
5195 - 1,1,2-Trichloro-2,2,2-trifluoroethane (Freon 113a)	EPA 8260B	10184802	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA 8260B	10184802	NELAP	LA
4630 - 1,1-Dichloroethane	EPA 8260B	10184802	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA 8260B	10184802	NELAP	LA
4670 - 1,1-Dichloropropene	EPA 8260B	10184802	NELAP	LA
5150 - 1,2,3-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5180 - 1,2,3-Trichloropropane	EPA 8260B	10184802	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA 8260B	10184802	NELAP	LA
4570 - 1,2-Dibromo-3-chloropropane	EPA 8260B	10184802	NELAP	LA

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## Non Potable Water

(DBCP)

4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260B	10184802	NELAP	LA
4655 - 1,2-Dichloropropane	EPA 8260B	10184802	NELAP	LA
6800 - 1,3,5-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA 8260B	10184802	NELAP	LA
9318 - 1,3-Butadiene	EPA 8260B	10184802	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4660 - 1,3-Dichloropropane	EPA 8260B	10184802	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B	10184802	NELAP	LA
100276 - 1-Chloro-2-methylpropane	EPA 8260B	10184802	NELAP	LA
4480 - 1-Chlorobutane	EPA 8260B	10184802	NELAP	LA
4510 - 1-Chlorohexane	EPA 8260B	10184802	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA 8260B	10184802	NELAP	LA
4665 - 2,2-Dichloropropane	EPA 8260B	10184802	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	NELAP	LA
4490 - 2-Chloroethanol	EPA 8260B	10184802	NELAP	LA
4500 - 2-Chloroethyl vinyl ether	EPA 8260B	10184802	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4860 - 2-Hexanone	EPA 8260B	10184802	NELAP	LA
4937 - 2-Methylbutadiene (Isoprene)	EPA 8260B	10184802	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA 8260B	10184802	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA 8260B	10184802	NELAP	LA
5020 - 2-Nitropropane	EPA 8260B	10184802	NELAP	LA
5045 - 2-Pentanone	EPA 8260B	10184802	NELAP	LA
4534 - 3-Methylpentane	EPA 8260B	10184802	NELAP	LA
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260B	10184802	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	LA
100222 - 4-Methylstyrene	EPA 8260B	10184802	NELAP	LA
4315 - Acetone	EPA 8260B	10184802	NELAP	LA
4320 - Acetonitrile	EPA 8260B	10184802	NELAP	LA
4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	LA
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	LA
4350 - Allyl alcohol	EPA 8260B	10184802	NELAP	LA
4355 - Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	NELAP	LA
4375 - Benzene	EPA 8260B	10184802	NELAP	LA
100223 - Benzoyl chloride	EPA 8260B	10184802	NELAP	LA
5635 - Benzyl chloride	EPA 8260B	10184802	NELAP	LA
4385 - Bromobenzene	EPA 8260B	10184802	NELAP	LA
4390 - Bromochloromethane	EPA 8260B	10184802	NELAP	LA
4395 - Bromodichloromethane	EPA 8260B	10184802	NELAP	LA
4400 - Bromoform	EPA 8260B	10184802	NELAP	LA
4450 - Carbon disulfide	EPA 8260B	10184802	NELAP	LA
4455 - Carbon tetrachloride	EPA 8260B	10184802	NELAP	LA
4475 - Chlorobenzene	EPA 8260B	10184802	NELAP	LA
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260B	10184802	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	LA
4505 - Chloroform	EPA 8260B	10184802	NELAP	LA

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## Non Potable Water

4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260B	10184802	NELAP	LA
4555 - Cyclohexane	EPA 8260B	10184802	NELAP	LA
4560 - Cyclohexanone	EPA 8260B	10184802	NELAP	LA
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260B	10184802	NELAP	LA
4590 - Dibromofluoromethane	EPA 8260B	10184802	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	LA
4653 - Dicyclopentadiene	EPA 8260B	10184802	NELAP	LA
4725 - Diethyl ether	EPA 8260B	10184802	NELAP	LA
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260B	10184802	NELAP	LA
4750 - Ethanol	EPA 8260B	10184802	NELAP	LA
4755 - Ethyl acetate	EPA 8260B	10184802	NELAP	LA
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	LA
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	LA
7645 - Furfural	EPA 8260B	10184802	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8260B	10184802	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260B	10184802	NELAP	LA
4900 - Isopropylbenzene (Cumene)	EPA 8260B	10184802	NELAP	LA
4925 - Methacrylonitrile	EPA 8260B	10184802	NELAP	LA
4940 - Methyl acetate	EPA 8260B	10184802	NELAP	LA
4945 - Methyl acrylate	EPA 8260B	10184802	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA 8260B	10184802	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA 8260B	10184802	NELAP	LA
4990 - Methyl methacrylate	EPA 8260B	10184802	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	NELAP	LA
4965 - Methylcyclohexane	EPA 8260B	10184802	NELAP	LA
4966 - Methylcyclopentane	EPA 8260B	10184802	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA 8260B	10184802	NELAP	LA
5005 - Naphthalene	EPA 8260B	10184802	NELAP	LA
5015 - Nitrobenzene	EPA 8260B	10184802	NELAP	LA
5035 - Pentachloroethane	EPA 8260B	10184802	NELAP	LA
5040 - Pentafluorobenzene	EPA 8260B	10184802	NELAP	LA
5080 - Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	NELAP	LA
5100 - Styrene	EPA 8260B	10184802	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260B	10184802	NELAP	LA
5120 - Tetrahydrofuran (THF)	EPA 8260B	10184802	NELAP	LA
9574 - Tetrahydrothiophene	EPA 8260B	10184802	NELAP	LA
5140 - Toluene	EPA 8260B	10184802	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	NELAP	LA
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260B	10184802	NELAP	LA
5225 - Vinyl acetate	EPA 8260B	10184802	NELAP	LA
5235 - Vinyl chloride	EPA 8260B	10184802	NELAP	LA
5260 - Xylene (total)	EPA 8260B	10184802	NELAP	LA
4705 - cis & trans-1,2-Dichloroethene	EPA 8260B	10184802	NELAP	LA

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## Non Potable Water

4645 - cis-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA 8260B	10184802	NELAP	LA
4600 - cis-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	LA
5240 - m+p-xylene	EPA 8260B	10184802	NELAP	LA
5245 - m-Xylene	EPA 8260B	10184802	NELAP	LA
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260B	10184802	NELAP	LA
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	LA
4825 - n-Heptane	EPA 8260B	10184802	NELAP	LA
4855 - n-Hexane	EPA 8260B	10184802	NELAP	LA
5028 - n-Pentane	EPA 8260B	10184802	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8260B	10184802	NELAP	LA
100273 - n-Propylacetate	EPA 8260B	10184802	NELAP	LA
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	LA
5250 - o-Xylene	EPA 8260B	10184802	NELAP	LA
5255 - p-Xylene	EPA 8260B	10184802	NELAP	LA
4440 - sec-Butylbenzene	EPA 8260B	10184802	NELAP	LA
100275 - sec-Butylether	EPA 8260B	10184802	NELAP	LA
4420 - tert-Butyl alcohol	EPA 8260B	10184802	NELAP	LA
4445 - tert-Butylbenzene	EPA 8260B	10184802	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA 8260B	10184802	NELAP	LA
4605 - trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6835 - 2,4,5-Trichlorophenol	EPA 8270C	10185805	NELAP	LA
6840 - 2,4,6-Trichlorophenol	EPA 8270C	10185805	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	LA
6405 - 3-Methylphenol (m-Cresol)	EPA 8270C	10185805	NELAP	LA
6410 - 4-Methylphenol (p-Cresol)	EPA 8270C	10185805	NELAP	LA
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	LA
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	LA
5555 - Anthracene	EPA 8270C	10185805	NELAP	LA
5575 - Benzo(a)anthracene	EPA 8270C	10185805	NELAP	LA
5580 - Benzo(a)pyrene	EPA 8270C	10185805	NELAP	LA
5585 - Benzo(b)fluoranthene	EPA 8270C	10185805	NELAP	LA
5590 - Benzo(g,h,i)perylene	EPA 8270C	10185805	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 8270C	10185805	NELAP	LA
5855 - Chrysene	EPA 8270C	10185805	NELAP	LA
5895 - Dibenzo(a,h)anthracene	EPA 8270C	10185805	NELAP	LA
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	LA
6270 - Fluorene	EPA 8270C	10185805	NELAP	LA
6275 - Hexachlorobenzene	EPA 8270C	10185805	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8270C	10185805	NELAP	LA
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	NELAP	LA
5005 - Naphthalene	EPA 8270C	10185805	NELAP	LA
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	LA
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	LA
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	LA
6665 - Pyrene	EPA 8270C	10185805	NELAP	LA
5095 - Pyridine	EPA 8270C	10185805	NELAP	LA
100199 - Sulfolane	EPA 8270C	10185805	NELAP	LA
5862 - Total Cresols	EPA 8270C	10185805	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8270D	10186002	NELAP	LA

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## Non Potable Water

6835 - 2,4,5-Trichlorophenol	EPA 8270D	10186002	NELAP	LA
6840 - 2,4,6-Trichlorophenol	EPA 8270D	10186002	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186002	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 8270D	10186002	NELAP	LA
6412 - 3+4 Methylphenol	EPA 8270D	10186002	NELAP	LA
6405 - 3-Methylphenol (m-Cresol)	EPA 8270D	10186002	NELAP	LA
6410 - 4-Methylphenol (p-Cresol)	EPA 8270D	10186002	NELAP	LA
5500 - Acenaphthene	EPA 8270D	10186002	NELAP	LA
5505 - Acenaphthylene	EPA 8270D	10186002	NELAP	LA
5555 - Anthracene	EPA 8270D	10186002	NELAP	LA
5575 - Benzo(a)anthracene	EPA 8270D	10186002	NELAP	LA
5580 - Benzo(a)pyrene	EPA 8270D	10186002	NELAP	LA
5585 - Benzo(b)fluoranthene	EPA 8270D	10186002	NELAP	LA
5590 - Benzo(g,h,i)perylene	EPA 8270D	10186002	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 8270D	10186002	NELAP	LA
5855 - Chrysene	EPA 8270D	10186002	NELAP	LA
5895 - Dibenzo(a,h)anthracene	EPA 8270D	10186002	NELAP	LA
6265 - Fluoranthene	EPA 8270D	10186002	NELAP	LA
6270 - Fluorene	EPA 8270D	10186002	NELAP	LA
6275 - Hexachlorobenzene	EPA 8270D	10186002	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8270D	10186002	NELAP	LA
4840 - Hexachloroethane	EPA 8270D	10186002	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D	10186002	NELAP	LA
5005 - Naphthalene	EPA 8270D	10186002	NELAP	LA
5015 - Nitrobenzene	EPA 8270D	10186002	NELAP	LA
6605 - Pentachlorophenol	EPA 8270D	10186002	NELAP	LA
6615 - Phenanthrene	EPA 8270D	10186002	NELAP	LA
6665 - Pyrene	EPA 8270D	10186002	NELAP	LA
5095 - Pyridine	EPA 8270D	10186002	NELAP	LA
100199 - Sulfolane	EPA 8270D	10186002	NELAP	LA
5862 - Total Cresols	EPA 8270D	10186002	NELAP	LA
1510 - Amenable cyanide	EPA 9010	10192606	NELAP	LA
1645 - Total Cyanide	EPA 9010	10192606	NELAP	LA
1645 - Total Cyanide	EPA 9010B	10193007	NELAP	LA
1510 - Amenable cyanide	EPA 9012A	10193405	NELAP	LA
1645 - Total Cyanide	EPA 9012A	10193405	NELAP	LA
2005 - Sulfide	EPA 9030A	10195401	NELAP	LA
2005 - Sulfide	EPA 9034	10196006	NELAP	LA
2010 - Total Sulfides	EPA 9034	10196006	NELAP	LA
2000 - Sulfate	EPA 9038	10196608	NELAP	LA
1900 - pH	EPA 9040B	10197203	NELAP	LA
1710 - Dissolved organic carbon (DOC)	EPA 9060	10200201	NELAP	LA
2040 - Total Organic Carbon	EPA 9060	10200201	NELAP	LA
1905 - Total Phenolics	EPA 9065	10200405	NELAP	LA
1905 - Total Phenolics	EPA 9066	10200609	NELAP	LA
1575 - Chloride	EPA 9251	10207406	NELAP	LA
1510 - Amenable cyanide	EPA 9012B	10243206	NELAP	LA
1645 - Total Cyanide	EPA 9012B	10243206	NELAP	LA
1900 - pH	EPA 9040C	10244403	NELAP	LA
1710 - Dissolved organic carbon (DOC)	EPA 9060A	10244801	NELAP	LA
2040 - Total Organic Carbon	EPA 9060A	10244801	NELAP	LA
1860 - Oil & Grease	EPA 1664B	10261617	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	EPA 1664B	10261617	NELAP	LA
1935 - Total recoverable petroleum	EPA 1664B	10261617	NELAP	LA

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hydrocarbons (TRPH)					
1803 - n-Hexane Extractable Material (O&G)	EPA 1664B	10261617	NELAP	LA	
1095 - Mercury	EPA 245.2, Rev.4.1	10271406	NELAP	LA	
1429 - Microextraction of Organics in Water	EPA 3511	10279808	NELAP	LA	
1406 - Purge and trap for aqueous phase samples	EPA 5030C	10284603	NELAP	LA	
1450 - Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples	EPA 5035A	10284807	NELAP	LA	
5105 - 1,1,1,2-Tetrachloroethane	EPA 624.1	10298121	NELAP	LA	
5160 - 1,1,1-Trichloroethane	EPA 624.1	10298121	NELAP	LA	
5110 - 1,1,2,2-Tetrachloroethane	EPA 624.1	10298121	NELAP	LA	
5165 - 1,1,2-Trichloroethane	EPA 624.1	10298121	NELAP	LA	
4630 - 1,1-Dichloroethane	EPA 624.1	10298121	NELAP	LA	
4640 - 1,1-Dichloroethylene	EPA 624.1	10298121	NELAP	LA	
5150 - 1,2,3-Trichlorobenzene	EPA 624.1	10298121	NELAP	LA	
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 624.1	10298121	NELAP	LA	
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 624.1	10298121	NELAP	LA	
4610 - 1,2-Dichlorobenzene	EPA 624.1	10298121	NELAP	LA	
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 624.1	10298121	NELAP	LA	
4655 - 1,2-Dichloropropane	EPA 624.1	10298121	NELAP	LA	
4615 - 1,3-Dichlorobenzene	EPA 624.1	10298121	NELAP	LA	
4620 - 1,4-Dichlorobenzene	EPA 624.1	10298121	NELAP	LA	
4500 - 2-Chloroethyl vinyl ether	EPA 624.1	10298121	NELAP	LA	
4325 - Acrolein (Propenal)	EPA 624.1	10298121	NELAP	LA	
4340 - Acrylonitrile	EPA 624.1	10298121	NELAP	LA	
4375 - Benzene	EPA 624.1	10298121	NELAP	LA	
4395 - Bromodichloromethane	EPA 624.1	10298121	NELAP	LA	
4400 - Bromoform	EPA 624.1	10298121	NELAP	LA	
4455 - Carbon tetrachloride	EPA 624.1	10298121	NELAP	LA	
4475 - Chlorobenzene	EPA 624.1	10298121	NELAP	LA	
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 624.1	10298121	NELAP	LA	
4485 - Chloroethane (Ethyl chloride)	EPA 624.1	10298121	NELAP	LA	
4505 - Chloroform	EPA 624.1	10298121	NELAP	LA	
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 624.1	10298121	NELAP	LA	
4625 - Dichlorodifluoromethane (Freon-12)	EPA 624.1	10298121	NELAP	LA	
4765 - Ethylbenzene	EPA 624.1	10298121	NELAP	LA	
4950 - Methyl bromide (Bromomethane)	EPA 624.1	10298121	NELAP	LA	
4960 - Methyl chloride (Chloromethane)	EPA 624.1	10298121	NELAP	LA	
5000 - Methyl tert-butyl ether (MTBE)	EPA 624.1	10298121	NELAP	LA	
4975 - Methylene chloride (Dichloromethane)	EPA 624.1	10298121	NELAP	LA	
5100 - Styrene	EPA 624.1	10298121	NELAP	LA	
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 624.1	10298121	NELAP	LA	
5140 - Toluene	EPA 624.1	10298121	NELAP	LA	
5170 - Trichloroethene (Trichloroethylene)	EPA 624.1	10298121	NELAP	LA	
5175 - Trichlorofluoromethane	EPA 624.1	10298121	NELAP	LA	

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(Fluorotrichloromethane, Freon 11)				
5235 - Vinyl chloride	EPA 624.1	10298121	NELAP	LA
5260 - Xylene (total)	EPA 624.1	10298121	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA 624.1	10298121	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA 624.1	10298121	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 624.1	10298121	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA 624.1	10298121	NELAP	LA
4750 - Ethanol	EPA 8015D	10305609	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015D	10305609	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015D	10305609	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015D	10305609	NELAP	LA
4930 - Methanol	EPA 8015D	10305609	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	EPA 8015D	10305609	NELAP	LA
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8015D	10305609	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8015D	10305609	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 8260C	10307003	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA 8260C	10307003	NELAP	LA
4630 - 1,1-Dichloroethane	EPA 8260C	10307003	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4670 - 1,1-Dichloropropene	EPA 8260C	10307003	NELAP	LA
5150 - 1,2,3-Trichlorobenzene	EPA 8260C	10307003	NELAP	LA
5180 - 1,2,3-Trichloropropane	EPA 8260C	10307003	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8260C	10307003	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA 8260C	10307003	NELAP	LA
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	NELAP	LA
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260C	10307003	NELAP	LA
4655 - 1,2-Dichloropropane	EPA 8260C	10307003	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA 8260C	10307003	NELAP	LA
9318 - 1,3-Butadiene	EPA 8260C	10307003	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
4660 - 1,3-Dichloropropane	EPA 8260C	10307003	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
100276 - 1-Chloro-2-methylpropane	EPA 8260C	10307003	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA 8260C	10307003	NELAP	LA
4665 - 2,2-Dichloropropane	EPA 8260C	10307003	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	NELAP	LA
4500 - 2-Chloroethyl vinyl ether	EPA 8260C	10307003	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260C	10307003	NELAP	LA
4860 - 2-Hexanone	EPA 8260C	10307003	NELAP	LA
4937 - 2-Methylbutadiene (Isoprene)	EPA 8260C	10307003	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA 8260C	10307003	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA 8260C	10307003	NELAP	LA
4534 - 3-Methylpentane	EPA 8260C	10307003	NELAP	LA

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4540 - 4-Chlorotoluene	EPA 8260C	10307003	NELAP	LA
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260C	10307003	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	NELAP	LA
100222 - 4-Methylstyrene	EPA 8260C	10307003	NELAP	LA
4315 - Acetone	EPA 8260C	10307003	NELAP	LA
4320 - Acetonitrile	EPA 8260C	10307003	NELAP	LA
4325 - Acrolein (Propenal)	EPA 8260C	10307003	NELAP	LA
4340 - Acrylonitrile	EPA 8260C	10307003	NELAP	LA
4375 - Benzene	EPA 8260C	10307003	NELAP	LA
100223 - Benzoyl chloride	EPA 8260C	10307003	NELAP	LA
5635 - Benzyl chloride	EPA 8260C	10307003	NELAP	LA
4385 - Bromobenzene	EPA 8260C	10307003	NELAP	LA
4390 - Bromochloromethane	EPA 8260C	10307003	NELAP	LA
4395 - Bromodichloromethane	EPA 8260C	10307003	NELAP	LA
4400 - Bromoform	EPA 8260C	10307003	NELAP	LA
4450 - Carbon disulfide	EPA 8260C	10307003	NELAP	LA
4455 - Carbon tetrachloride	EPA 8260C	10307003	NELAP	LA
4475 - Chlorobenzene	EPA 8260C	10307003	NELAP	LA
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260C	10307003	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260C	10307003	NELAP	LA
4505 - Chloroform	EPA 8260C	10307003	NELAP	LA
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260C	10307003	NELAP	LA
4580 - Dibromochloropropane	EPA 8260C	10307003	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260C	10307003	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260C	10307003	NELAP	LA
4653 - Dicyclopentadiene	EPA 8260C	10307003	NELAP	LA
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260C	10307003	NELAP	LA
4755 - Ethyl acetate	EPA 8260C	10307003	NELAP	LA
4765 - Ethylbenzene	EPA 8260C	10307003	NELAP	LA
7645 - Furfural	EPA 8260C	10307003	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8260C	10307003	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260C	10307003	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	NELAP	LA
100145 - Isopropyl Ether	EPA 8260C	10307003	NELAP	LA
4900 - Isopropylbenzene (Cumene)	EPA 8260C	10307003	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA 8260C	10307003	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA 8260C	10307003	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	NELAP	LA
4965 - Methylcyclohexane	EPA 8260C	10307003	NELAP	LA
4966 - Methylcyclopentane	EPA 8260C	10307003	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA 8260C	10307003	NELAP	LA
5005 - Naphthalene	EPA 8260C	10307003	NELAP	LA
5100 - Styrene	EPA 8260C	10307003	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	NELAP	LA
9574 - Tetrahydrothiophene	EPA 8260C	10307003	NELAP	LA
5140 - Toluene	EPA 8260C	10307003	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA 8260C	10307003	NELAP	LA
5175 - Trichlorofluoromethane	EPA 8260C	10307003	NELAP	LA

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# Non Potable Water

(Fluorotrichloromethane, Freon 11)

5225 - Vinyl acetate	EPA 8260C	10307003	NELAP	LA
5235 - Vinyl chloride	EPA 8260C	10307003	NELAP	LA
5260 - Xylene (total)	EPA 8260C	10307003	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA 8260C	10307003	NELAP	LA
4600 - cis-1,4-Dichloro-2-butene	EPA 8260C	10307003	NELAP	LA
5240 - m+p-xylene	EPA 8260C	10307003	NELAP	LA
4435 - n-Butylbenzene	EPA 8260C	10307003	NELAP	LA
4825 - n-Heptane	EPA 8260C	10307003	NELAP	LA
4855 - n-Hexane	EPA 8260C	10307003	NELAP	LA
5028 - n-Pentane	EPA 8260C	10307003	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8260C	10307003	NELAP	LA
100273 - n-Propylacetate	EPA 8260C	10307003	NELAP	LA
5090 - n-Propylbenzene	EPA 8260C	10307003	NELAP	LA
5250 - o-Xylene	EPA 8260C	10307003	NELAP	LA
5255 - p-Xylene	EPA 8260C	10307003	NELAP	LA
4440 - sec-Butylbenzene	EPA 8260C	10307003	NELAP	LA
100275 - sec-Butylether	EPA 8260C	10307003	NELAP	LA
4445 - tert-Butylbenzene	EPA 8260C	10307003	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA 8260C	10307003	NELAP	LA
1725 - Total, Fixed, and Volatile Residue	SM 2540 G-2011, Rev.22nd	20005270	NELAP	LA
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> I-2016	20018585	NELAP	LA
1605 - Color	SM 2120 B-2011	20039310	NELAP	LA
1500 - Acidity, as CaCO <sub>3</sub>	SM 2310 B-2011	20044615	NELAP	LA
1505 - Alkalinity as CaCO <sub>3</sub>	SM 2320 B-2011	20045618	NELAP	LA
1550 - Calcium hardness as CaCO <sub>3</sub>	SM 2340 B-2011	20046611	NELAP	LA
1755 - Total hardness as CaCO <sub>3</sub>	SM 2340 B-2011	20046611	NELAP	LA
1750 - Hardness	SM 2340 C-2011	20047614	NELAP	LA
2055 - Turbidity	SM 2130 B-2011	20048220	NELAP	LA
1950 - Residue-total	SM 2540 B-2011	20049416	NELAP	LA
1955 - Residue-filterable (TDS)	SM 2540 C-2011	20050413	NELAP	LA
1960 - Residue-nonfilterable (TSS)	SM 2540 D-2011	20051212	NELAP	LA
2070 - Volatile suspended solids	SM 2540 E-2011	20051596	NELAP	LA
1965 - Residue-settleable	SM 2540 F-2011	20052215	NELAP	LA
1635 - Cyanide	SM 4500-CN <sup>-</sup> C-2016	20065672	NELAP	LA
1045 - Chromium VI	SM 3500-Cr B-2011	20066266	NELAP	LA
1070 - Iron	SM 3500-Fe B-2011	20069016	NELAP	LA
1073 - Iron-(II) (Ferrous Iron)	SM 3500-Fe B-2011	20069016	NELAP	LA
1580 - Chlorine	SM 4500-Cl G-2011	20081623	NELAP	LA
1945 - Residual free chlorine	SM 4500-Cl G-2011	20081623	NELAP	LA
1940 - Total residual chlorine	SM 4500-Cl G-2011	20081623	NELAP	LA
1575 - Chloride	SM 4500-Cl <sup>-</sup> C-2011	20085216	NELAP	LA
1575 - Chloride	SM 4500-Cl <sup>-</sup> E-2011	20086811	NELAP	LA
1635 - Cyanide	SM 4500-CN <sup>-</sup> E-2011	20096428	NELAP	LA
1645 - Total Cyanide	SM 4500-CN <sup>-</sup> E-2011	20096428	NELAP	LA
1635 - Cyanide	SM 4500-CN <sup>-</sup> E-2016	20096439	NELAP	LA
1510 - Amenable cyanide	SM 4500-CN <sup>-</sup> G-2011	20097227	NELAP	LA
1510 - Amenable cyanide	SM 4500-CN <sup>-</sup> G-2016	20097238	NELAP	LA
1900 - pH	SM 4500-H <sup>+</sup> B-2011	20105220	NELAP	LA
1515 - Ammonia as N	SM 4500-NH <sub>3</sub> G-2011	20111415	NELAP	LA
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	NELAP	LA
1835 - Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	NELAP	LA
1825 - Total Nitrate+Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	NELAP	LA

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1805 - Nitrate	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011 minus EPA 20117651	NELAP	LA
	353.2		
1810 - Nitrate as N	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011 minus EPA 20117651	NELAP	LA
	353.2		
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016	20117684	NELAP LA
1795 - Kjeldahl nitrogen - total	SM 4500-Norg D-2011	20120289	NELAP LA
1880 - Oxygen, dissolved	SM 4500-O C-2011	20120836	NELAP LA
1880 - Oxygen, dissolved	SM 4500-O G-2011	20121668	NELAP LA
1880 - Oxygen, dissolved	SM 4500-O G-2016	20121679	NELAP LA
1870 - Orthophosphate as P	SM 4500-P E-2011	20124225	NELAP LA
2005 - Sulfide	SM 4500-S <sub>2</sub> <sup>-</sup> D-2011	20125864	NELAP LA
1990 - Silica as SiO <sub>2</sub>	SM 4500-SiO <sub>2</sub> C-2011	20128614	NELAP LA
1990 - Silica as SiO <sub>2</sub>	SM 4500-SiO <sub>2</sub> F-2011	20129877	NELAP LA
1995 - Silica-dissolved	SM 4500-SiO <sub>2</sub> F-2011	20129877	NELAP LA
2000 - Sulfate	SM 4500-SO <sub>4</sub> <sup>-</sup> E-2011	20132461	NELAP LA
1530 - Biochemical oxygen demand	SM 5210 B-2016	20135039	NELAP LA
1555 - Carbonaceous BOD, CBOD	SM 5210 B-2016	20135039	NELAP LA
1530 - Biochemical oxygen demand	SM 5210 B-2011	20135266	NELAP LA
1555 - Carbonaceous BOD, CBOD	SM 5210 B-2011	20135266	NELAP LA
1565 - Chemical oxygen demand	SM 5220 D-2011	20136816	NELAP LA
1710 - Dissolved organic carbon (DOC)	SM 5310 B-2011	20137820	NELAP LA
2040 - Total Organic Carbon	SM 5310 B-2011	20137820	NELAP LA
2530 - Fecal coliforms	SM 9222 D-2006	20210019	NELAP LA
9344 - Chlorophyll a	SM 10200 H, 21st ED	20300225	NELAP LA
9344 - Chlorophyll a	SM 10200 H-2011	20300236	NELAP LA
2000 - Sulfate	ASTM D516-11	30002245	NELAP LA
1940 - Total residual chlorine	HACH 8167	60003818	NELAP LA
9408 - Gasoline range organics (GRO)	MA DEP VPH, Rev.1.1	90017406	NELAP LA

## Solid Chemical Materials

8641 - Percent Moisture	ASTM D 2974-87	3848	NELAP	LA
100861 - Percent Organic Matter	ASTM D 2974-87	3848	NELAP	LA
1525 - Percent ash	ASTM D 2974-87	3848	NELAP	LA
100711 - Fractional Organic Carbon (FOC)	LDEQ Method for Determination of FOC by Calculation	9366	NELAP	LA
1923 - Reactive Cyanide	EPA 7.3.3.2	10001204	NELAP	LA
1925 - Reactive sulfide	EPA 7.3.4.2	10001408	NELAP	LA
1905 - Total Phenolics	EPA 420.4, Rev.1	10080203	NELAP	LA
1780 - Ignitability	EPA 1010	10116606	NELAP	LA
1466 - Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	10118806	NELAP	LA
1460 - Synthetic Precipitation Leaching Procedure	EPA 1312	10119003	NELAP	LA
1400 - Acid Digestion of Sediments, Sludges, and soils	EPA 3050B	10135601	NELAP	LA
1402 - Alkaline Digestion for Hexavalent Chromium	EPA 3060A	10136604	NELAP	LA
1428 - Microwave Extraction	EPA 3546	10141205	NELAP	LA
1470 - Waste Dilution	EPA 3580A	10143007	NELAP	LA
1446 - Silica Gel Clean-up	EPA 3630C	10146802	NELAP	LA
2020 - Sulfuric acid/permanganate clean-up	EPA 3665A	10148808	NELAP	LA
1406 - Purge and trap for aqueous phase	EPA 5030B	10153409	NELAP	LA

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# Solid Chemical Materials

samples				
1450 - Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples	EPA 5035	10154004	NELAP	LA
1000 - Aluminum	EPA 6010B	10155609	NELAP	LA
1005 - Antimony	EPA 6010B	10155609	NELAP	LA
1010 - Arsenic	EPA 6010B	10155609	NELAP	LA
1015 - Barium	EPA 6010B	10155609	NELAP	LA
1020 - Beryllium	EPA 6010B	10155609	NELAP	LA
1025 - Boron	EPA 6010B	10155609	NELAP	LA
1030 - Cadmium	EPA 6010B	10155609	NELAP	LA
1035 - Calcium	EPA 6010B	10155609	NELAP	LA
1040 - Chromium	EPA 6010B	10155609	NELAP	LA
1050 - Cobalt	EPA 6010B	10155609	NELAP	LA
1055 - Copper	EPA 6010B	10155609	NELAP	LA
1070 - Iron	EPA 6010B	10155609	NELAP	LA
1075 - Lead	EPA 6010B	10155609	NELAP	LA
1080 - Lithium	EPA 6010B	10155609	NELAP	LA
1085 - Magnesium	EPA 6010B	10155609	NELAP	LA
1090 - Manganese	EPA 6010B	10155609	NELAP	LA
1100 - Molybdenum	EPA 6010B	10155609	NELAP	LA
1105 - Nickel	EPA 6010B	10155609	NELAP	LA
1125 - Potassium	EPA 6010B	10155609	NELAP	LA
1140 - Selenium	EPA 6010B	10155609	NELAP	LA
1150 - Silver	EPA 6010B	10155609	NELAP	LA
1155 - Sodium	EPA 6010B	10155609	NELAP	LA
1160 - Strontium	EPA 6010B	10155609	NELAP	LA
1165 - Thallium	EPA 6010B	10155609	NELAP	LA
1175 - Tin	EPA 6010B	10155609	NELAP	LA
1180 - Titanium	EPA 6010B	10155609	NELAP	LA
1185 - Vanadium	EPA 6010B	10155609	NELAP	LA
1190 - Zinc	EPA 6010B	10155609	NELAP	LA
1000 - Aluminum	EPA 6010C	10155803	NELAP	LA
1005 - Antimony	EPA 6010C	10155803	NELAP	LA
1010 - Arsenic	EPA 6010C	10155803	NELAP	LA
1015 - Barium	EPA 6010C	10155803	NELAP	LA
1020 - Beryllium	EPA 6010C	10155803	NELAP	LA
1025 - Boron	EPA 6010C	10155803	NELAP	LA
1030 - Cadmium	EPA 6010C	10155803	NELAP	LA
1035 - Calcium	EPA 6010C	10155803	NELAP	LA
1040 - Chromium	EPA 6010C	10155803	NELAP	LA
1050 - Cobalt	EPA 6010C	10155803	NELAP	LA
1055 - Copper	EPA 6010C	10155803	NELAP	LA
1070 - Iron	EPA 6010C	10155803	NELAP	LA
1075 - Lead	EPA 6010C	10155803	NELAP	LA
1080 - Lithium	EPA 6010C	10155803	NELAP	LA
1085 - Magnesium	EPA 6010C	10155803	NELAP	LA
1090 - Manganese	EPA 6010C	10155803	NELAP	LA
1100 - Molybdenum	EPA 6010C	10155803	NELAP	LA
1105 - Nickel	EPA 6010C	10155803	NELAP	LA
1125 - Potassium	EPA 6010C	10155803	NELAP	LA
1140 - Selenium	EPA 6010C	10155803	NELAP	LA
1150 - Silver	EPA 6010C	10155803	NELAP	LA
1155 - Sodium	EPA 6010C	10155803	NELAP	LA
1160 - Strontium	EPA 6010C	10155803	NELAP	LA

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1165 - Thallium	EPA 6010C	10155803	NELAP	LA
1175 - Tin	EPA 6010C	10155803	NELAP	LA
1180 - Titanium	EPA 6010C	10155803	NELAP	LA
1185 - Vanadium	EPA 6010C	10155803	NELAP	LA
1190 - Zinc	EPA 6010C	10155803	NELAP	LA
1000 - Aluminum	EPA 6020A	10156408	NELAP	LA
1005 - Antimony	EPA 6020A	10156408	NELAP	LA
1010 - Arsenic	EPA 6020A	10156408	NELAP	LA
1015 - Barium	EPA 6020A	10156408	NELAP	LA
1020 - Beryllium	EPA 6020A	10156408	NELAP	LA
1025 - Boron	EPA 6020A	10156408	NELAP	LA
1030 - Cadmium	EPA 6020A	10156408	NELAP	LA
1035 - Calcium	EPA 6020A	10156408	NELAP	LA
1040 - Chromium	EPA 6020A	10156408	NELAP	LA
1050 - Cobalt	EPA 6020A	10156408	NELAP	LA
1055 - Copper	EPA 6020A	10156408	NELAP	LA
1070 - Iron	EPA 6020A	10156408	NELAP	LA
1075 - Lead	EPA 6020A	10156408	NELAP	LA
1085 - Magnesium	EPA 6020A	10156408	NELAP	LA
1090 - Manganese	EPA 6020A	10156408	NELAP	LA
1095 - Mercury	EPA 6020A	10156408	NELAP	LA
1100 - Molybdenum	EPA 6020A	10156408	NELAP	LA
1105 - Nickel	EPA 6020A	10156408	NELAP	LA
1125 - Potassium	EPA 6020A	10156408	NELAP	LA
1140 - Selenium	EPA 6020A	10156408	NELAP	LA
1150 - Silver	EPA 6020A	10156408	NELAP	LA
1155 - Sodium	EPA 6020A	10156408	NELAP	LA
1160 - Strontium	EPA 6020A	10156408	NELAP	LA
1165 - Thallium	EPA 6020A	10156408	NELAP	LA
1180 - Titanium	EPA 6020A	10156408	NELAP	LA
1185 - Vanadium	EPA 6020A	10156408	NELAP	LA
1190 - Zinc	EPA 6020A	10156408	NELAP	LA
1045 - Chromium VI	EPA 7196A	10162400	NELAP	LA
1095 - Mercury	EPA 7471A	10166208	NELAP	LA
1095 - Mercury	EPA 7471B	10166402	NELAP	LA
4350 - Allyl alcohol	EPA 8015C	10173805	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015C	10173805	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C	10173805	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015C	10173805	NELAP	LA
4930 - Methanol	EPA 8015C	10173805	NELAP	LA
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8015C	10173805	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8015C	10173805	NELAP	LA
4420 - tert-Butyl alcohol	EPA 8015C	10173805	NELAP	LA
4375 - Benzene	EPA 8021A	10174604	NELAP	LA
4765 - Ethylbenzene	EPA 8021A	10174604	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021A	10174604	NELAP	LA
5140 - Toluene	EPA 8021A	10174604	NELAP	LA
5260 - Xylene (total)	EPA 8021A	10174604	NELAP	LA
5250 - o-Xylene	EPA 8021A	10174604	NELAP	LA
4375 - Benzene	EPA 8021B	10174808	NELAP	LA
4765 - Ethylbenzene	EPA 8021B	10174808	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021B	10174808	NELAP	LA

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5140 - Toluene	EPA 8021B	10174808	NELAP	LA
5260 - Xylene (total)	EPA 8021B	10174808	NELAP	LA
5250 - o-Xylene	EPA 8021B	10174808	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 8260B	10184802	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	LA
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA 8260B	10184802	NELAP	LA
4630 - 1,1-Dichloroethane	EPA 8260B	10184802	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA 8260B	10184802	NELAP	LA
4670 - 1,1-Dichloropropene	EPA 8260B	10184802	NELAP	LA
5150 - 1,2,3-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5180 - 1,2,3-Trichloropropane	EPA 8260B	10184802	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA 8260B	10184802	NELAP	LA
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	10184802	NELAP	LA
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	NELAP	LA
4697 - 1,2-Dichloro-1,1,2-trifluoroethane	EPA 8260B	10184802	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260B	10184802	NELAP	LA
4655 - 1,2-Dichloropropane	EPA 8260B	10184802	NELAP	LA
6800 - 1,3,5-Trichlorobenzene	EPA 8260B	10184802	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA 8260B	10184802	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4660 - 1,3-Dichloropropane	EPA 8260B	10184802	NELAP	LA
4675 - 1,3-Dichloropropene	EPA 8260B	10184802	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B	10184802	NELAP	LA
100276 - 1-Chloro-2-methylpropane	EPA 8260B	10184802	NELAP	LA
4480 - 1-Chlorobutane	EPA 8260B	10184802	NELAP	LA
4510 - 1-Chlorohexane	EPA 8260B	10184802	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA 8260B	10184802	NELAP	LA
4665 - 2,2-Dichloropropane	EPA 8260B	10184802	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	NELAP	LA
4490 - 2-Chloroethanol	EPA 8260B	10184802	NELAP	LA
4500 - 2-Chloroethyl vinyl ether	EPA 8260B	10184802	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4860 - 2-Hexanone	EPA 8260B	10184802	NELAP	LA
4937 - 2-Methylbutadiene (Isoprene)	EPA 8260B	10184802	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA 8260B	10184802	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA 8260B	10184802	NELAP	LA
5020 - 2-Nitropropane	EPA 8260B	10184802	NELAP	LA
5045 - 2-Pentanone	EPA 8260B	10184802	NELAP	LA
4534 - 3-Methylpentane	EPA 8260B	10184802	NELAP	LA
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260B	10184802	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	LA
100222 - 4-Methylstyrene	EPA 8260B	10184802	NELAP	LA
4315 - Acetone	EPA 8260B	10184802	NELAP	LA
4320 - Acetonitrile	EPA 8260B	10184802	NELAP	LA

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## Solid Chemical Materials

4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	LA
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	LA
4350 - Allyl alcohol	EPA 8260B	10184802	NELAP	LA
4355 - Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	NELAP	LA
4375 - Benzene	EPA 8260B	10184802	NELAP	LA
100223 - Benzoyl chloride	EPA 8260B	10184802	NELAP	LA
5635 - Benzyl chloride	EPA 8260B	10184802	NELAP	LA
4385 - Bromobenzene	EPA 8260B	10184802	NELAP	LA
4390 - Bromochloromethane	EPA 8260B	10184802	NELAP	LA
4395 - Bromodichloromethane	EPA 8260B	10184802	NELAP	LA
4400 - Bromoform	EPA 8260B	10184802	NELAP	LA
4450 - Carbon disulfide	EPA 8260B	10184802	NELAP	LA
4455 - Carbon tetrachloride	EPA 8260B	10184802	NELAP	LA
4475 - Chlorobenzene	EPA 8260B	10184802	NELAP	LA
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260B	10184802	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	LA
4505 - Chloroform	EPA 8260B	10184802	NELAP	LA
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260B	10184802	NELAP	LA
4555 - Cyclohexane	EPA 8260B	10184802	NELAP	LA
4560 - Cyclohexanone	EPA 8260B	10184802	NELAP	LA
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260B	10184802	NELAP	LA
4580 - Dibromochloropropane	EPA 8260B	10184802	NELAP	LA
4590 - Dibromofluoromethane	EPA 8260B	10184802	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	LA
4653 - Dicyclopentadiene	EPA 8260B	10184802	NELAP	LA
4725 - Diethyl ether	EPA 8260B	10184802	NELAP	LA
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260B	10184802	NELAP	LA
4750 - Ethanol	EPA 8260B	10184802	NELAP	LA
4755 - Ethyl acetate	EPA 8260B	10184802	NELAP	LA
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	LA
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	LA
7645 - Furfural	EPA 8260B	10184802	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8260B	10184802	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	NELAP	LA
100145 - Isopropyl Ether	EPA 8260B	10184802	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260B	10184802	NELAP	LA
4900 - Isopropylbenzene (Cumene)	EPA 8260B	10184802	NELAP	LA
4925 - Methacrylonitrile	EPA 8260B	10184802	NELAP	LA
4940 - Methyl acetate	EPA 8260B	10184802	NELAP	LA
4945 - Methyl acrylate	EPA 8260B	10184802	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA 8260B	10184802	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA 8260B	10184802	NELAP	LA
4990 - Methyl methacrylate	EPA 8260B	10184802	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	NELAP	LA
4966 - Methylcyclopentane	EPA 8260B	10184802	NELAP	LA
4975 - Methylene chloride	EPA 8260B	10184802	NELAP	LA

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## Solid Chemical Materials

(Dichloromethane)					
5005 - Naphthalene	EPA 8260B	10184802	NELAP	LA	
5015 - Nitrobenzene	EPA 8260B	10184802	NELAP	LA	
5035 - Pentachloroethane	EPA 8260B	10184802	NELAP	LA	
5040 - Pentafluorobenzene	EPA 8260B	10184802	NELAP	LA	
5080 - Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	NELAP	LA	
5100 - Styrene	EPA 8260B	10184802	NELAP	LA	
5115 - Tetrachloroethylene	EPA 8260B	10184802	NELAP	LA	
(Perchloroethylene)					
5120 - Tetrahydrofuran (THF)	EPA 8260B	10184802	NELAP	LA	
9574 - Tetrahydrothiophene	EPA 8260B	10184802	NELAP	LA	
5140 - Toluene	EPA 8260B	10184802	NELAP	LA	
5170 - Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	NELAP	LA	
5175 - Trichlorofluoromethane	EPA 8260B	10184802	NELAP	LA	
(Fluorotrichloromethane, Freon 11)					
5225 - Vinyl acetate	EPA 8260B	10184802	NELAP	LA	
5235 - Vinyl chloride	EPA 8260B	10184802	NELAP	LA	
5260 - Xylene (total)	EPA 8260B	10184802	NELAP	LA	
4705 - cis & trans-1,2-Dichloroethene	EPA 8260B	10184802	NELAP	LA	
4645 - cis-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	LA	
4680 - cis-1,3-Dichloropropene	EPA 8260B	10184802	NELAP	LA	
4600 - cis-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	LA	
5240 - m+p-xylene	EPA 8260B	10184802	NELAP	LA	
5245 - m-Xylene	EPA 8260B	10184802	NELAP	LA	
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260B	10184802	NELAP	LA	
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	LA	
4825 - n-Heptane	EPA 8260B	10184802	NELAP	LA	
4855 - n-Hexane	EPA 8260B	10184802	NELAP	LA	
5028 - n-Pentane	EPA 8260B	10184802	NELAP	LA	
5055 - n-Propanol (1-Propanol)	EPA 8260B	10184802	NELAP	LA	
100273 - n-Propylacetate	EPA 8260B	10184802	NELAP	LA	
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	LA	
5250 - o-Xylene	EPA 8260B	10184802	NELAP	LA	
5255 - p-Xylene	EPA 8260B	10184802	NELAP	LA	
4440 - sec-Butylbenzene	EPA 8260B	10184802	NELAP	LA	
100275 - sec-Butylether	EPA 8260B	10184802	NELAP	LA	
4420 - tert-Butyl alcohol	EPA 8260B	10184802	NELAP	LA	
4445 - tert-Butylbenzene	EPA 8260B	10184802	NELAP	LA	
4700 - trans-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	LA	
4685 - trans-1,3-Dichloropropylene	EPA 8260B	10184802	NELAP	LA	
4605 - trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	LA	
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA	
6835 - 2,4,5-Trichlorophenol	EPA 8270C	10185805	NELAP	LA	
6840 - 2,4,6-Trichlorophenol	EPA 8270C	10185805	NELAP	LA	
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	LA	
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	LA	
6405 - 3-Methylphenol (m-Cresol)	EPA 8270C	10185805	NELAP	LA	
6410 - 4-Methylphenol (p-Cresol)	EPA 8270C	10185805	NELAP	LA	
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	LA	
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	LA	
5555 - Anthracene	EPA 8270C	10185805	NELAP	LA	
5575 - Benzo(a)anthracene	EPA 8270C	10185805	NELAP	LA	
5580 - Benzo(a)pyrene	EPA 8270C	10185805	NELAP	LA	
5585 - Benzo(b)fluoranthene	EPA 8270C	10185805	NELAP	LA	

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## Solid Chemical Materials

5590 - Benzo(g,h,i)perylene	EPA 8270C	10185805	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 8270C	10185805	NELAP	LA
5855 - Chrysene	EPA 8270C	10185805	NELAP	LA
5895 - Dibenzo(a,h)anthracene	EPA 8270C	10185805	NELAP	LA
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	LA
6270 - Fluorene	EPA 8270C	10185805	NELAP	LA
6275 - Hexachlorobenzene	EPA 8270C	10185805	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8270C	10185805	NELAP	LA
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	NELAP	LA
5005 - Naphthalene	EPA 8270C	10185805	NELAP	LA
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	LA
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	LA
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	LA
6665 - Pyrene	EPA 8270C	10185805	NELAP	LA
5095 - Pyridine	EPA 8270C	10185805	NELAP	LA
100199 - Sulfolane	EPA 8270C	10185805	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8270D	10186002	NELAP	LA
6835 - 2,4,5-Trichlorophenol	EPA 8270D	10186002	NELAP	LA
6840 - 2,4,6-Trichlorophenol	EPA 8270D	10186002	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186002	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 8270D	10186002	NELAP	LA
6405 - 3-Methylphenol (m-Cresol)	EPA 8270D	10186002	NELAP	LA
6410 - 4-Methylphenol (p-Cresol)	EPA 8270D	10186002	NELAP	LA
5500 - Acenaphthene	EPA 8270D	10186002	NELAP	LA
5505 - Acenaphthylene	EPA 8270D	10186002	NELAP	LA
5555 - Anthracene	EPA 8270D	10186002	NELAP	LA
5575 - Benzo(a)anthracene	EPA 8270D	10186002	NELAP	LA
5580 - Benzo(a)pyrene	EPA 8270D	10186002	NELAP	LA
5585 - Benzo(b)fluoranthene	EPA 8270D	10186002	NELAP	LA
5590 - Benzo(g,h,i)perylene	EPA 8270D	10186002	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 8270D	10186002	NELAP	LA
5855 - Chrysene	EPA 8270D	10186002	NELAP	LA
5895 - Dibenzo(a,h)anthracene	EPA 8270D	10186002	NELAP	LA
6265 - Fluoranthene	EPA 8270D	10186002	NELAP	LA
6270 - Fluorene	EPA 8270D	10186002	NELAP	LA
6275 - Hexachlorobenzene	EPA 8270D	10186002	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8270D	10186002	NELAP	LA
4840 - Hexachloroethane	EPA 8270D	10186002	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D	10186002	NELAP	LA
5005 - Naphthalene	EPA 8270D	10186002	NELAP	LA
5015 - Nitrobenzene	EPA 8270D	10186002	NELAP	LA
6605 - Pentachlorophenol	EPA 8270D	10186002	NELAP	LA
6615 - Phenanthrene	EPA 8270D	10186002	NELAP	LA
6665 - Pyrene	EPA 8270D	10186002	NELAP	LA
5095 - Pyridine	EPA 8270D	10186002	NELAP	LA
1510 - Amenable cyanide	EPA 9010B	10193007	NELAP	LA
1635 - Cyanide	EPA 9010B	10193007	NELAP	LA
1635 - Cyanide	EPA 9012A	10193405	NELAP	LA
1645 - Total Cyanide	EPA 9012A	10193405	NELAP	LA
1635 - Cyanide	EPA 9014	10193803	NELAP	LA
1645 - Total Cyanide	EPA 9014	10193803	NELAP	LA
2005 - Sulfide	EPA 9030	10195207	NELAP	LA
2005 - Sulfide	EPA 9030A	10195401	NELAP	LA
2010 - Total Sulfides	EPA 9030A	10195401	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

Certificate Number: 02006

AI Number: 22756  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

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## Solid Chemical Materials

1925 - Reactive sulfide	EPA 9034	10196006	NELAP	LA
2005 - Sulfide	EPA 9034	10196006	NELAP	LA
2010 - Total Sulfides	EPA 9034	10196006	NELAP	LA
2000 - Sulfate	EPA 9036	10196404	NELAP	LA
2000 - Sulfate	EPA 9038	10196608	NELAP	LA
1900 - pH	EPA 9045C	10198400	NELAP	LA
2040 - Total Organic Carbon	EPA 9060	10200201	NELAP	LA
1905 - Total Phenolics	EPA 9065	10200405	NELAP	LA
1745 - Free liquid	EPA 9095A	10204203	NELAP	LA
1575 - Chloride	EPA 9251	10207406	NELAP	LA
1780 - Ignitability	EPA 1010A	10234807	NELAP	LA
8880 - Aroclor-1016 (PCB-1016)	EPA 600/4-81-045	10241802	NELAP	LA
8885 - Aroclor-1221 (PCB-1221)	EPA 600/4-81-045	10241802	NELAP	LA
8890 - Aroclor-1232 (PCB-1232)	EPA 600/4-81-045	10241802	NELAP	LA
8895 - Aroclor-1242 (PCB-1242)	EPA 600/4-81-045	10241802	NELAP	LA
8900 - Aroclor-1248 (PCB-1248)	EPA 600/4-81-045	10241802	NELAP	LA
8905 - Aroclor-1254 (PCB-1254)	EPA 600/4-81-045	10241802	NELAP	LA
8910 - Aroclor-1260 (PCB-1260)	EPA 600/4-81-045	10241802	NELAP	LA
1510 - Amenable cyanide	EPA 9010C	10243002	NELAP	LA
1645 - Total Cyanide	EPA 9010C	10243002	NELAP	LA
1510 - Amenable cyanide	EPA 9012B	10243206	NELAP	LA
1635 - Cyanide	EPA 9012B	10243206	NELAP	LA
1900 - pH	EPA 9045D	10244607	NELAP	LA
2040 - Total Organic Carbon	EPA 9060A	10244801	NELAP	LA
1745 - Free liquid	EPA 9095B	10245600	NELAP	LA
1406 - Purge and trap for aqueous phase samples	EPA 5030C	10284603	NELAP	LA
1450 - Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples	EPA 5035A	10284807	NELAP	LA
4350 - Allyl alcohol	EPA 8015D	10305609	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015D	10305609	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015D	10305609	NELAP	LA
4420 - tert-Butyl alcohol	EPA 8015D	10305609	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 8260C	10307003	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	LA
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260C	10307003	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA 8260C	10307003	NELAP	LA
4630 - 1,1-Dichloroethane	EPA 8260C	10307003	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4670 - 1,1-Dichloropropene	EPA 8260C	10307003	NELAP	LA
5150 - 1,2,3-Trichlorobenzene	EPA 8260C	10307003	NELAP	LA
5180 - 1,2,3-Trichloropropane	EPA 8260C	10307003	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8260C	10307003	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA 8260C	10307003	NELAP	LA
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	NELAP	LA
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	NELAP	LA
4697 - 1,2-Dichloro-1,1,2-trifluoroethane	EPA 8260C	10307003	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene	EPA 8260C	10307003	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

Certificate Number: 02006

AI Number: 22756  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

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## Solid Chemical Materials

dichloride)				
4655 - 1,2-Dichloropropane	EPA 8260C	10307003	NELAP	LA
6800 - 1,3,5-Trichlorobenzene	EPA 8260C	10307003	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA 8260C	10307003	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
4660 - 1,3-Dichloropropane	EPA 8260C	10307003	NELAP	LA
4675 - 1,3-Dichloropropene	EPA 8260C	10307003	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8260C	10307003	NELAP	LA
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260C	10307003	NELAP	LA
100276 - 1-Chloro-2-methylpropane	EPA 8260C	10307003	NELAP	LA
4480 - 1-Chlorobutane	EPA 8260C	10307003	NELAP	LA
4510 - 1-Chlorohexane	EPA 8260C	10307003	NELAP	LA
5220 - 2,2,4-Trimethylpentane (Isooctane)	EPA 8260C	10307003	NELAP	LA
4665 - 2,2-Dichloropropane	EPA 8260C	10307003	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	NELAP	LA
4490 - 2-Chloroethanol	EPA 8260C	10307003	NELAP	LA
4500 - 2-Chloroethyl vinyl ether	EPA 8260C	10307003	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260C	10307003	NELAP	LA
4860 - 2-Hexanone	EPA 8260C	10307003	NELAP	LA
4937 - 2-Methylbutadiene (Isoprene)	EPA 8260C	10307003	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA 8260C	10307003	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA 8260C	10307003	NELAP	LA
5020 - 2-Nitropropane	EPA 8260C	10307003	NELAP	LA
5045 - 2-Pentanone	EPA 8260C	10307003	NELAP	LA
4534 - 3-Methylpentane	EPA 8260C	10307003	NELAP	LA
4540 - 4-Chlorotoluene	EPA 8260C	10307003	NELAP	LA
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260C	10307003	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	NELAP	LA
100222 - 4-Methylstyrene	EPA 8260C	10307003	NELAP	LA
4315 - Acetone	EPA 8260C	10307003	NELAP	LA
4320 - Acetonitrile	EPA 8260C	10307003	NELAP	LA
4325 - Acrolein (Propenal)	EPA 8260C	10307003	NELAP	LA
4340 - Acrylonitrile	EPA 8260C	10307003	NELAP	LA
4350 - Allyl alcohol	EPA 8260C	10307003	NELAP	LA
4355 - Allyl chloride (3-Chloropropene)	EPA 8260C	10307003	NELAP	LA
4375 - Benzene	EPA 8260C	10307003	NELAP	LA
100223 - Benzoyl chloride	EPA 8260C	10307003	NELAP	LA
5635 - Benzyl chloride	EPA 8260C	10307003	NELAP	LA
4385 - Bromobenzene	EPA 8260C	10307003	NELAP	LA
4390 - Bromochloromethane	EPA 8260C	10307003	NELAP	LA
4395 - Bromodichloromethane	EPA 8260C	10307003	NELAP	LA
4400 - Bromoform	EPA 8260C	10307003	NELAP	LA
4450 - Carbon disulfide	EPA 8260C	10307003	NELAP	LA
4455 - Carbon tetrachloride	EPA 8260C	10307003	NELAP	LA
4475 - Chlorobenzene	EPA 8260C	10307003	NELAP	LA
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260C	10307003	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260C	10307003	NELAP	LA
4505 - Chloroform	EPA 8260C	10307003	NELAP	LA
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260C	10307003	NELAP	LA
4555 - Cyclohexane	EPA 8260C	10307003	NELAP	LA
4560 - Cyclohexanone	EPA 8260C	10307003	NELAP	LA
9375 - Di-isopropylether (DIPE) (Isopropyl	EPA 8260C	10307003	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

Certificate Number: 02006

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## Solid Chemical Materials

ether)				
4580 - Dibromochloropropane	EPA 8260C	10307003	NELAP	LA
4590 - Dibromofluoromethane	EPA 8260C	10307003	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260C	10307003	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260C	10307003	NELAP	LA
4627 - Dichlorofluoromethane (Freon 21)	EPA 8260C	10307003	NELAP	LA
4653 - Dicyclopentadiene	EPA 8260C	10307003	NELAP	LA
4725 - Diethyl ether	EPA 8260C	10307003	NELAP	LA
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260C	10307003	NELAP	LA
4750 - Ethanol	EPA 8260C	10307003	NELAP	LA
4755 - Ethyl acetate	EPA 8260C	10307003	NELAP	LA
4765 - Ethylbenzene	EPA 8260C	10307003	NELAP	LA
7645 - Furfural	EPA 8260C	10307003	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8260C	10307003	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260C	10307003	NELAP	LA
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	NELAP	LA
100145 - Isopropyl Ether	EPA 8260C	10307003	NELAP	LA
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260C	10307003	NELAP	LA
4900 - Isopropylbenzene (Cumene)	EPA 8260C	10307003	NELAP	LA
4925 - Methacrylonitrile	EPA 8260C	10307003	NELAP	LA
4940 - Methyl acetate	EPA 8260C	10307003	NELAP	LA
4945 - Methyl acrylate	EPA 8260C	10307003	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA 8260C	10307003	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA 8260C	10307003	NELAP	LA
4990 - Methyl methacrylate	EPA 8260C	10307003	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	NELAP	LA
4966 - Methylcyclopentane	EPA 8260C	10307003	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA 8260C	10307003	NELAP	LA
5005 - Naphthalene	EPA 8260C	10307003	NELAP	LA
5015 - Nitrobenzene	EPA 8260C	10307003	NELAP	LA
5035 - Pentachloroethane	EPA 8260C	10307003	NELAP	LA
5040 - Pentafluorobenzene	EPA 8260C	10307003	NELAP	LA
5080 - Propionitrile (Ethyl cyanide)	EPA 8260C	10307003	NELAP	LA
5100 - Styrene	EPA 8260C	10307003	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	NELAP	LA
5120 - Tetrahydrofuran (THF)	EPA 8260C	10307003	NELAP	LA
9574 - Tetrahydrothiophene	EPA 8260C	10307003	NELAP	LA
5140 - Toluene	EPA 8260C	10307003	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA 8260C	10307003	NELAP	LA
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260C	10307003	NELAP	LA
5225 - Vinyl acetate	EPA 8260C	10307003	NELAP	LA
5235 - Vinyl chloride	EPA 8260C	10307003	NELAP	LA
5260 - Xylene (total)	EPA 8260C	10307003	NELAP	LA
4705 - cis & trans-1,2-Dichloroethene	EPA 8260C	10307003	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA 8260C	10307003	NELAP	LA
4600 - cis-1,4-Dichloro-2-butene	EPA 8260C	10307003	NELAP	LA
5240 - m+p-xylene	EPA 8260C	10307003	NELAP	LA

Pace Analytical Services LLC New Orleans

Effective Date: August 24, 2022

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AI Number: 22756

Activity No. ACC20220003

Expiration Date: June 30, 2023

## Solid Chemical Materials

5245 - m-Xylene	EPA 8260C	10307003	NELAP	LA
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260C	10307003	NELAP	LA
4435 - n-Butylbenzene	EPA 8260C	10307003	NELAP	LA
4825 - n-Heptane	EPA 8260C	10307003	NELAP	LA
4855 - n-Hexane	EPA 8260C	10307003	NELAP	LA
5028 - n-Pentane	EPA 8260C	10307003	NELAP	LA
5055 - n-Propanol (1-Propanol)	EPA 8260C	10307003	NELAP	LA
100273 - n-Propylacetate	EPA 8260C	10307003	NELAP	LA
5090 - n-Propylbenzene	EPA 8260C	10307003	NELAP	LA
5250 - o-Xylene	EPA 8260C	10307003	NELAP	LA
5255 - p-Xylene	EPA 8260C	10307003	NELAP	LA
4440 - sec-Butylbenzene	EPA 8260C	10307003	NELAP	LA
100275 - sec-Butylether	EPA 8260C	10307003	NELAP	LA
4420 - tert-Butyl alcohol	EPA 8260C	10307003	NELAP	LA
4445 - tert-Butylbenzene	EPA 8260C	10307003	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA 8260C	10307003	NELAP	LA
4605 - trans-1,4-Dichloro-2-butene	EPA 8260C	10307003	NELAP	LA
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> I-2016	20018585	NELAP	LA
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2016	20117684	NELAP	LA
9408 - Gasoline range organics (GRO)	MA DEP VPH, Rev.1.1	90017406	NELAP	LA

## Biological Tissue

NONE	NONE	NONE	NONE	NONE
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**SUBCONTRACTOR**  
**QUESTIONNAIRE**  
**EUROFINS EMLAB P&K**



**SOQ 22-054 Miscellaneous Environmental Services for the Jefferson  
Parish Department of Environmental Affairs**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

20-Dec-2022 11:11:12 AM

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

**N/A**

**B. Firm Name & Address:**

**Eurofins Environment Testing Southeast LLC  
3355 McLemore St  
Pensacola, FL 32514**

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana: **N/A****

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline. **N/A****

**E. Please provide the number of employees whose primary function corresponds with each category:**

<u>6</u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>    </u> Structural Engineers
<u>    </u> Chemical Engineers	<u>    </u> Geotechnical Engineers	<u>    </u> Graduate Engineers
<u>    </u> Civil Engineers	<u>    </u> Interior Designers	<u>5</u> Project Managers
<u>    </u> Construction Inspectors	<u>    </u> Landscape Architects	<u>    </u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>    </u> Grant/Funding Specialist
<u>    </u> Electrical Engineers	<u>    </u> Mechanical Engineers	<u>    </u> Sanitary Engineers
<u>    </u> Engineer Intern	<u>    </u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		<b><u>11</u> TOTAL</b>

**F. Is this submittal by a JOINT-VENTURE? Please check: YES NO **X****

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary. N/A**

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
**YES            NO X**

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary. N/A**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
2.		
3.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

10 or more



## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Taylor Bruzzio, Project Manager

**Project Assignment:**

Overall responsibility from initial acceptance of quote through project completion.

**Name of Firm with which associated:**

Eurofins Environment Testing Southeast LLC

**Years' experience with this Firm:**

6 years

**Education: Degree(s)/Year/Specialization:**

B.S. in Environmental Science and Biology from Emory University in Atlanta, GA

**Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Ms. Bruzzio has 6 years of experience in the environmental industry working as a Project Manager at Eurofins Pensacola, FL laboratory. She works closely with commercial staff and clients to define the scope of client projects. Assists in preparation of quotes and proposals with pricing provided by Account Executive. Provides project oversight, acts as client advocate on site; interacts with operations and analytical test designers to keep all parties well informed of project status.



## TEC Professional Services Questionnaire

### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

Garrett Ervin, Business Unit Manager (BUMa)

**Project Assignment:**

Oversee Pensacola Project Managers

**Name of Firm with which associated:**

Eurofins Environment Testing Southeast LLC

**Years' experience with this Firm:**

2 years

**Education: Degree(s)/Year/Specialization:**

B.A. in Biology from Western Michigan University

**Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Mr. Ervin has been in the environmental testing laboratory industry since 1994. His role includes successful management/leadership experience with full profit and loss responsibility. He is intimately familiar with lab operations, design and implementation of process improvements, health and safety compliance, business development and client retention, quality assurance and production scheduling necessary to meet client project requirements.

## TEC Professional Services Questionnaire

### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

Daniel Waite, Laboratory Manager

**Project Assignment:**

Oversee Eurofins Pensacola Laboratory Chemist

**Name of Firm with which associated:**

Eurofins Environment Testing Southeast LLC

**Years' experience with this Firm:**

15 years of experience in the laboratory testing industry  
Laboratory Manager at Eurofins Pensacola – March 2021 to Present

**Education: Degree(s)/Year/Specialization:**

BA in Biological Science - The University of Mississippi (2008)

**Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Mr. Waite serves as a technical resource for Eurofins Pensacola personnel and clients in their field of expertise. Researches, develops, and implements new analytical methods and recommends process improvements to existing analyses. Manages technical projects and conducts evaluation of technologies. Writes and reviews laboratory SOPs and trains employees on methods and procedures. Performs sample analysis and final data review and maintains and troubleshoots laboratory instruments. His previous experience includes overseeing the production of data generated from all semi volatiles (GC, GC/MS and HPLC) analysis of water, solid and waste samples. He reviewed and assembled QC Level III and IV data packages, including CLP like data packages. In addition to these responsibilities, he performed analyses for special projects including methane and fixed gases, and specialty air analyses. Mr. Waite also manages the Metals and Sample Control Departments of the laboratory.

## TEC Professional Services Questionnaire

### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

Lance Larson, Quality Assurance Manager

**Project Assignment:**

QA/QC

**Name of Firm with which associated:**

Eurofins Pensacola Laboratory

**Years' experience with this Firm:****Education: Degree(s)/Year/Specialization:**

B.S. in Industrial Engineering from Mississippi State University

**Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

Mr. Larson has experience in the environmental laboratory industry since 1990. As QA Manager, his responsibilities include conducting internal audits and facilitating external audits with corresponding root cause investigation and corrective action implementation, data review and validation, maintenance of assorted laboratory metrics to provide for continuous improvement, conducting labwide staff training sessions on topics such as Ethics and Calibration, and providing review of various QAPs, proposals, and project specifications. Mr. Larson has 10 years of technical laboratory experience as an analyst performing EPA, CWA and SW-846 GC and GCMS analyses as well as 8 years of experience as Operations Manager where he was responsible for all areas of lab operation and production including implementation of new methods and equipment, solving production problems/bottlenecks while maintaining company targets for on-time delivery and throughput. He has also served as a Project Manager in the client services arena for 7 years managing an assortment of clients and projects including the areas of UST and NPDES. He has broad experience with the vast spectrum of



## TEC Professional Services Questionnaire

environmental project requirements under various regulatory agencies and has worked with an array of clients at various levels and in various capacities to meet project-specific data quality requirements and meet on-time delivery dates using his problem-solving skills.

### **KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

Jennifer Doty, Account Manager

**Project Assignment:**

Business Development, Face-to-Face and Teleconference Client Meetings, Proposals, Client Satisfaction & Retention

**Name of Firm with which associated:**

Eurofins Environment Testing Southeast LLC

**Years' experience with this Firm:**

6 years in the environmental testing laboratory industry

1.5 years at Eurofins Pensacola covering Louisiana territory (based in Baton Rouge, LA)

**Education: Degree(s)/Year/Specialization:**

B.S. Business Administration from Southeastern Louisiana University in Hammond, LA

**Active registration: Year first registered/discipline:****Other experience and qualifications relevant to the proposed Project:**

## TEC Professional Services Questionnaire

Ms. Doty has experience in new business development and overall growth revenue growth of Eurofins. She has experience selling highly technical environmental and laboratory testing services in the industrial, manufacture, petrochemical, municipality, utility, government, and environmental consulting markets. Ms. Doty supports and works closely with Eurofins internal departments to meet client project requirements, expectations, and timelines.

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sewerage & Water Board of New Orleans Location: New Orleans, LA	Supported drinking water, storm water and wastewater compliance testing.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$30K	Eurofins South Bend and Monrovia laboratories.

## TEC Professional Services Questionnaire

<b>PROJECT NO. 2</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Dow Chemical Company Plaquemine, LA Hahnville, LA  National contract  Regulatory Oversight: EPA Region 6; LELAP	Supports various projects for soil, groundwater, NPDES Discharge and Waste Characterization.  Eurofins Pensacola has been providing analytical for this chemical and product company for over 20 years. The laboratory analyzes routine groundwater monitoring plant facilities, waste characterization, soil sampling projects, monitoring of shallow wells during injection well installation, routine NPDES analysis.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005 to present	\$300K+	Eurofins Pensacola

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Clean Harbors, Baton Rouge, LA  Regulatory Oversight: EPA Region 6; LELAP	Supports NPDES compliance monitoring. TCLP assessment and RECAP sampling programs.	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2005 to present	\$200K+	Eurofins Pensacola and Denver laboratories



## TEC Professional Services Questionnaire

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Electric Power Co. Location: Confidential  Regulatory Oversight: FDEP & ADEM	Support the analysis of soil, surface water, groundwater, and waste at various power plants, substations and FMGP sites.  The Pensacola laboratory has been providing analytical services for this electric company and its parent company for close to 20 years. The laboratory analyzes groundwater and surface water for contaminants coming from applications of herbicides around substations; as well as, routine monitoring surrounding plant facilities, and hazardous waste analysis of used oil from maintenance activities.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
1990 to present	\$1M+	Eurofins Pensacola

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Louisiana Department of Environmental Quality (LDEQ)  Contract	Eurofins Pensacola and sister laboratories throughout the U.S. provides routine laboratory analysis of soil, wastewater, drinking water and waste characterization.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2007 to present	\$600K+	Eurofins Pensacola, Eaton, South Bend, Monrovia, Houston, St. Louis

## TEC Professional Services Questionnaire

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Kinder Morgan  Regulatory Oversight: Various State Reg. Agencies	Supports petroleum-related analysis.  The Pensacola laboratory provides analytical support for petroleum related contamination investigations and routine groundwater monitoring programs working through various consultants that perform work for Kinder Morgan.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2013 to present	\$1M	Eurofins Pensacola

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Board of Water & Sewer Commissioners of the City of Mobile Alabama	Provides laboratory testing services for MAWSS drinking water, wastewater, toxicity, soil and waste characterization analysis requirements.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2022 to present	\$125K per year Option to renew contract for (2) two additional years	Eurofins Pensacola Laboratory

## TEC Professional Services Questionnaire

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

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PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary. <span style="background-color: yellow;">N/A</span>		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
2.		



### TEC Professional Services Questionnaire

3.

4.

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Eurofins laboratory certifications or other qualifications available upon request.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature:  Print Name: Jennifer Doty

Title: Account Executive Date: 1/5/23

## **CERTIFICATIONS**





**STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Is hereby granting a Louisiana Environmental Laboratory Accreditation to**



**Eurofins Pensacola  
3355 McLemore Dr  
Pensacola, Florida 32514-7045**

**Agency Interest No. 30976  
Activity No. ACC20220003**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and agrees to adapt to any changes in the requirements. It also acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I and the 2009 TNI Standard by which the laboratory was assessed. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

**Tonya Landry**  
Administrator  
Public Participation and Permit Support Services Division

**Issued Date:** 8/22/2022

**Effective on Issue Date**  
**Expiration Date: June 30, 2023**  
**Certificate Number: 02075**



STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: August 22, 2022

3355 McLemore Dr, Pensacola, Florida 32514-7045

Certificate Number: 02075

Eurofins Pensacola  
AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

## Air Emissions

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
100278 - Extractable Petroleum Hydrocarbons (EPH)	TN EPH	2055	NELAP	FL
9408 - Gasoline range organics (GRO)	TN GRO	2345	NELAP	FL
1865 - Organic nitrogen	TKN minus AMMONIA	2881	NELAP	FL
9369 - Diesel range organics (DRO)	MO-DRO	3903	NELAP	FL
9408 - Gasoline range organics (GRO)	MO-GRO	3904	NELAP	FL
2058 - Un-ionized Ammonia	FL DEP SOP 10/03/1983	3905	NELAP	FL
1923 - Reactive Cyanide	EPA 7.3.3.2	10001204	NELAP	FL
1925 - Reactive sulfide	EPA 7.3.4.2	10001408	NELAP	FL
1605 - Color	EPA 110.2	10005604	NELAP	FL
1610 - Conductivity	EPA 120.1	10006403	NELAP	FL
1900 - pH	EPA 150.1	10008409	NELAP	FL
1955 - Residue-filterable (TDS)	EPA 160.1	10009208	NELAP	FL
1960 - Residue-nonfilterable (TSS)	EPA 160.2	10009402	NELAP	FL
1950 - Residue-total	EPA 160.3	10010001	NELAP	FL
1965 - Residue-settleable	EPA 160.5	10010603	NELAP	FL
2055 - Turbidity	EPA 180.1, Rev.2	10011800	NELAP	FL
1990 - Silica as SiO <sub>2</sub>	EPA 200.7	10013408	NELAP	FL
1995 - Silica-dissolved	EPA 200.7	10013408	NELAP	FL
1160 - Strontium	EPA 200.7	10013408	NELAP	FL
1000 - Aluminum	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1005 - Antimony	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1010 - Arsenic	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1015 - Barium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1020 - Beryllium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1025 - Boron	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1030 - Cadmium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1035 - Calcium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1040 - Chromium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1050 - Cobalt	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1055 - Copper	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1070 - Iron	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1075 - Lead	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1080 - Lithium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1085 - Magnesium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1090 - Manganese	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1100 - Molybdenum	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1105 - Nickel	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1125 - Potassium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1140 - Selenium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1145 - Silicon	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1150 - Silver	EPA 200.7, Rev.4.4	10013806	NELAP	FL

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1155 - Sodium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1165 - Thallium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1175 - Tin	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1180 - Titanium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1755 - Total hardness as CaCO <sub>3</sub>	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1185 - Vanadium	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1190 - Zinc	EPA 200.7, Rev.4.4	10013806	NELAP	FL
1000 - Aluminum	EPA 200.8	10014401	NELAP	FL
1005 - Antimony	EPA 200.8	10014401	NELAP	FL
1010 - Arsenic	EPA 200.8	10014401	NELAP	FL
1015 - Barium	EPA 200.8	10014401	NELAP	FL
1020 - Beryllium	EPA 200.8	10014401	NELAP	FL
1030 - Cadmium	EPA 200.8	10014401	NELAP	FL
1035 - Calcium	EPA 200.8	10014401	NELAP	FL
1040 - Chromium	EPA 200.8	10014401	NELAP	FL
1050 - Cobalt	EPA 200.8	10014401	NELAP	FL
1055 - Copper	EPA 200.8	10014401	NELAP	FL
1070 - Iron	EPA 200.8	10014401	NELAP	FL
1075 - Lead	EPA 200.8	10014401	NELAP	FL
1080 - Lithium	EPA 200.8	10014401	NELAP	FL
1085 - Magnesium	EPA 200.8	10014401	NELAP	FL
1090 - Manganese	EPA 200.8	10014401	NELAP	FL
1100 - Molybdenum	EPA 200.8	10014401	NELAP	FL
1105 - Nickel	EPA 200.8	10014401	NELAP	FL
1125 - Potassium	EPA 200.8	10014401	NELAP	FL
1140 - Selenium	EPA 200.8	10014401	NELAP	FL
1150 - Silver	EPA 200.8	10014401	NELAP	FL
1155 - Sodium	EPA 200.8	10014401	NELAP	FL
1160 - Strontium	EPA 200.8	10014401	NELAP	FL
1165 - Thallium	EPA 200.8	10014401	NELAP	FL
1175 - Tin	EPA 200.8	10014401	NELAP	FL
1180 - Titanium	EPA 200.8	10014401	NELAP	FL
1185 - Vanadium	EPA 200.8	10014401	NELAP	FL
1190 - Zinc	EPA 200.8	10014401	NELAP	FL
1095 - Mercury	EPA 245.1	10036609	NELAP	FL
1540 - Bromide	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1575 - Chloride	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1730 - Fluoride	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1805 - Nitrate	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1820 - Nitrate-Nitrite	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1835 - Nitrite	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1870 - Orthophosphate as P	EPA 300.0, Rev.2.1	10053200	NELAP	FL
2000 - Sulfate	EPA 300.0, Rev.2.1	10053200	NELAP	FL
1505 - Alkalinity as CaCO <sub>3</sub>	EPA 310.1	10054805	NELAP	FL
1575 - Chloride	EPA 325.2	10057008	NELAP	FL
1645 - Total Cyanide	EPA 335.2	10060409	NELAP	FL
1730 - Fluoride	EPA 340.2	10062007	NELAP	FL
1515 - Ammonia as N	EPA 350.1, Rev.2	10063602	NELAP	FL
1795 - Kjeldahl nitrogen - total	EPA 351.2, Rev.2	10065404	NELAP	FL
1810 - Nitrate as N	EPA 353.2, Rev.2	10067604	NELAP	FL
1820 - Nitrate-Nitrite	EPA 353.2, Rev.2	10067604	NELAP	FL
1840 - Nitrite as N	EPA 354.1	10068403	NELAP	FL
1870 - Orthophosphate as P	EPA 365.1, Rev.2	10070005	NELAP	FL
1910 - Total Phosphorus	EPA 365.4	10071202	NELAP	FL
2005 - Sulfide	EPA 376.2	10074405	NELAP	FL

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.



## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1530 - Biochemical oxygen demand	EPA 405.1	10075602	NELAP	FL
1565 - Chemical oxygen demand	EPA 410.4, Rev.2	10077404	NELAP	FL
2040 - Total Organic Carbon	EPA 415.1	10078203	NELAP	FL
1905 - Total Phenolics	EPA 420.1	10079400	NELAP	FL
1905 - Total Phenolics	EPA 420.4, Rev.1	10080203	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1, Rev.1.1	10082801	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1, Rev.1.1	10082801	NELAP	FL
7355 - 4,4'-DDD	EPA 608	10103603	NELAP	FL
7360 - 4,4'-DDE	EPA 608	10103603	NELAP	FL
7365 - 4,4'-DDT	EPA 608	10103603	NELAP	FL
7025 - Aldrin	EPA 608	10103603	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 608	10103603	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 608	10103603	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 608	10103603	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 608	10103603	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 608	10103603	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 608	10103603	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 608	10103603	NELAP	FL
7250 - Chlordane (tech.)	EPA 608	10103603	NELAP	FL
7470 - Dieldrin	EPA 608	10103603	NELAP	FL
7510 - Endosulfan I	EPA 608	10103603	NELAP	FL
7515 - Endosulfan II	EPA 608	10103603	NELAP	FL
7520 - Endosulfan sulfate	EPA 608	10103603	NELAP	FL
7540 - Endrin	EPA 608	10103603	NELAP	FL
7530 - Endrin aldehyde	EPA 608	10103603	NELAP	FL
7535 - Endrin ketone	EPA 608	10103603	NELAP	LA
7685 - Heptachlor	EPA 608	10103603	NELAP	FL
7690 - Heptachlor epoxide	EPA 608	10103603	NELAP	FL
7810 - Methoxychlor	EPA 608	10103603	NELAP	LA
8250 - Toxaphene (Chlorinated camphene)	EPA 608	10103603	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608	10103603	NELAP	FL
7240 - alpha-Chlordane	EPA 608	10103603	NELAP	LA
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 608	10103603	NELAP	FL
7105 - delta-BHC	EPA 608	10103603	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608	10103603	NELAP	FL
7245 - gamma-Chlordane	EPA 608	10103603	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 609	10104208	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 609	10104208	NELAP	FL
8655 - 2,4,5-T	EPA 615	10105609	NELAP	FL
8545 - 2,4-D	EPA 615	10105609	NELAP	FL
8560 - 2,4-DB	EPA 615	10105609	NELAP	FL
8555 - Dalapon	EPA 615	10105609	NELAP	FL
8595 - Dicamba	EPA 615	10105609	NELAP	FL
8605 - Dichloroprop (Dichlorprop)	EPA 615	10105609	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 615	10105609	NELAP	FL
7775 - MCPA	EPA 615	10105609	NELAP	FL
7780 - MCPP	EPA 615	10105609	NELAP	FL
8650 - Silvex (2,4,5-TP)	EPA 615	10105609	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 624	10107207	NELAP	FL

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5110 - 1,1,2,2-Tetrachloroethane	EPA 624	10107207	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 624	10107207	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 624	10107207	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 624	10107207	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 624	10107207	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 624	10107207	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 624	10107207	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 624	10107207	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 624	10107207	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 624	10107207	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 624	10107207	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 624	10107207	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 624	10107207	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 624	10107207	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 624	10107207	NELAP	FL
4860 - 2-Hexanone	EPA 624	10107207	NELAP	FL
4315 - Acetone	EPA 624	10107207	NELAP	FL
4320 - Acetonitrile	EPA 624	10107207	NELAP	FL
4325 - Acrolein (Propenal)	EPA 624	10107207	NELAP	FL
4340 - Acrylonitrile	EPA 624	10107207	NELAP	LA
4375 - Benzene	EPA 624	10107207	NELAP	FL
4395 - Bromodichloromethane	EPA 624	10107207	NELAP	FL
4400 - Bromoform	EPA 624	10107207	NELAP	FL
4455 - Carbon tetrachloride	EPA 624	10107207	NELAP	FL
4475 - Chlorobenzene	EPA 624	10107207	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 624	10107207	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 624	10107207	NELAP	FL
4505 - Chloroform	EPA 624	10107207	NELAP	FL
4765 - Ethylbenzene	EPA 624	10107207	NELAP	FL
4940 - Methyl acetate	EPA 624	10107207	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 624	10107207	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 624	10107207	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 624	10107207	NELAP	FL
4965 - Methylcyclohexane	EPA 624	10107207	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 624	10107207	NELAP	FL
5005 - Naphthalene	EPA 624	10107207	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 624	10107207	NELAP	FL
5140 - Toluene	EPA 624	10107207	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 624	10107207	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 624	10107207	NELAP	FL
5235 - Vinyl chloride	EPA 624	10107207	NELAP	FL
5260 - Xylene (total)	EPA 624	10107207	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 624	10107207	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 624	10107207	NELAP	FL
5240 - m+p-xylene	EPA 624	10107207	NELAP	FL
5250 - o-Xylene	EPA 624	10107207	NELAP	FL
4420 - tert-Butyl alcohol	EPA 624	10107207	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
4700 - trans-1,2-Dichloroethylene	EPA 624	10107207	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 624	10107207	NELAP	FL
6703 - 1,1'-Biphenyl (BZ-0) (Biphenyl)	EPA 625	10107401	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 625	10107401	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 625	10107401	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 625	10107401	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 625	10107401	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 625	10107401	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 625	10107401	NELAP	FL
4659 - 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether (bis(2-chloroisopropyl)ether)	EPA 625	10107401	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 625	10107401	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 625	10107401	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 625	10107401	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 625	10107401	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 625	10107401	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 625	10107401	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 625	10107401	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 625	10107401	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 625	10107401	NELAP	FL
5800 - 2-Chlorophenol	EPA 625	10107401	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 625	10107401	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 625	10107401	NELAP	FL
6490 - 2-Nitrophenol	EPA 625	10107401	NELAP	FL
6412 - 3+4 Methylphenol	EPA 625	10107401	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 625	10107401	NELAP	FL
7355 - 4,4'-DDD	EPA 625	10107401	NELAP	FL
7360 - 4,4'-DDE	EPA 625	10107401	NELAP	FL
7365 - 4,4'-DDT	EPA 625	10107401	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 625	10107401	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 625	10107401	NELAP	FL
6500 - 4-Nitrophenol	EPA 625	10107401	NELAP	FL
5500 - Acenaphthene	EPA 625	10107401	NELAP	FL
5505 - Acenaphthylene	EPA 625	10107401	NELAP	FL
7025 - Aldrin	EPA 625	10107401	NELAP	FL
5555 - Anthracene	EPA 625	10107401	NELAP	FL
5570 - Benzaldehyde	EPA 625	10107401	NELAP	FL
5595 - Benzidine	EPA 625	10107401	NELAP	FL
5575 - Benzo(a)anthracene	EPA 625	10107401	NELAP	FL
5580 - Benzo(a)pyrene	EPA 625	10107401	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 625	10107401	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 625	10107401	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 625	10107401	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 625	10107401	NELAP	FL
7250 - Chlordane (tech.)	EPA 625	10107401	NELAP	FL
5855 - Chrysene	EPA 625	10107401	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 625	10107401	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 625	10107401	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 625	10107401	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 625	10107401	NELAP	FL
7470 - Dieldrin	EPA 625	10107401	NELAP	FL
6070 - Diethyl phthalate	EPA 625	10107401	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
6135 - Dimethyl phthalate	EPA 625	10107401	NELAP	FL
7510 - Endosulfan I	EPA 625	10107401	NELAP	FL
7515 - Endosulfan II	EPA 625	10107401	NELAP	FL
7520 - Endosulfan sulfate	EPA 625	10107401	NELAP	FL
7540 - Endrin	EPA 625	10107401	NELAP	FL
7530 - Endrin aldehyde	EPA 625	10107401	NELAP	FL
6265 - Fluoranthene	EPA 625	10107401	NELAP	FL
6270 - Fluorene	EPA 625	10107401	NELAP	FL
7685 - Heptachlor	EPA 625	10107401	NELAP	FL
7690 - Heptachlor epoxide	EPA 625	10107401	NELAP	FL
6275 - Hexachlorobenzene	EPA 625	10107401	NELAP	FL
4835 - Hexachlorobutadiene	EPA 625	10107401	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 625	10107401	NELAP	FL
4840 - Hexachloroethane	EPA 625	10107401	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 625	10107401	NELAP	FL
6320 - Isophorone	EPA 625	10107401	NELAP	FL
7810 - Methoxychlor	EPA 625	10107401	NELAP	FL
5005 - Naphthalene	EPA 625	10107401	NELAP	FL
5015 - Nitrobenzene	EPA 625	10107401	NELAP	FL
6590 - Pentachlorobenzene	EPA 625	10107401	NELAP	FL
6605 - Pentachlorophenol	EPA 625	10107401	NELAP	FL
6615 - Phenanthrene	EPA 625	10107401	NELAP	FL
6625 - Phenol	EPA 625	10107401	NELAP	FL
6665 - Pyrene	EPA 625	10107401	NELAP	FL
5095 - Pyridine	EPA 625	10107401	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 625	10107401	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 625	10107401	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 625	10107401	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 625	10107401	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 625	10107401	NELAP	FL
7105 - delta-BHC	EPA 625	10107401	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 625	10107401	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 625	10107401	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 625	10107401	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 625	10107401	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 625	10107401	NELAP	FL
1860 - Oil & Grease	EPA 1664A (HEM)	10127807	NELAP	FL
1401 - Acid Digestion of waters for Total Recoverable or Dissolved Metals	EPA 3005A	10133207	NELAP	LA
1401 - Acid Digestion of Aqueous samples and Extracts for Total Metals	EPA 3010A	10133605	NELAP	LA
1444 - Separatory Funnel Liquid-liquid extraction	EPA 3510C	10138202	NELAP	LA
1410 - Continuous Liquid-liquid extraction	EPA 3520C	10139001	NELAP	LA
1428 - Microwave Extraction	EPA 3546	10141205	NELAP	FL
1428 - Microwave Extraction	EPA 3546	10141205	NELAP	LA
1470 - Waste Dilution	EPA 3580A	10143007	NELAP	FL
1456 - Sulfur Clean-Up	EPA 3660B	10148400	NELAP	FL
2020 - Sulfuric acid/permanganate clean-up	EPA 3665A	10148808	NELAP	FL
1406 - Purge and trap for aqueous phase samples	EPA 5030B	10153409	NELAP	LA
1000 - Aluminum	EPA 6010B	10155609	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
1005 - Antimony	EPA 6010B	10155609	NELAP	FL
1010 - Arsenic	EPA 6010B	10155609	NELAP	FL
1015 - Barium	EPA 6010B	10155609	NELAP	FL
1020 - Beryllium	EPA 6010B	10155609	NELAP	FL
1025 - Boron	EPA 6010B	10155609	NELAP	FL
1030 - Cadmium	EPA 6010B	10155609	NELAP	FL
1035 - Calcium	EPA 6010B	10155609	NELAP	FL
1040 - Chromium	EPA 6010B	10155609	NELAP	FL
1050 - Cobalt	EPA 6010B	10155609	NELAP	FL
1055 - Copper	EPA 6010B	10155609	NELAP	FL
1070 - Iron	EPA 6010B	10155609	NELAP	FL
1075 - Lead	EPA 6010B	10155609	NELAP	FL
1080 - Lithium	EPA 6010B	10155609	NELAP	FL
1085 - Magnesium	EPA 6010B	10155609	NELAP	FL
1090 - Manganese	EPA 6010B	10155609	NELAP	FL
1100 - Molybdenum	EPA 6010B	10155609	NELAP	FL
1105 - Nickel	EPA 6010B	10155609	NELAP	FL
1125 - Potassium	EPA 6010B	10155609	NELAP	FL
1140 - Selenium	EPA 6010B	10155609	NELAP	FL
1990 - Silica as SiO2	EPA 6010B	10155609	NELAP	FL
1150 - Silver	EPA 6010B	10155609	NELAP	FL
1155 - Sodium	EPA 6010B	10155609	NELAP	FL
1160 - Strontium	EPA 6010B	10155609	NELAP	FL
1165 - Thallium	EPA 6010B	10155609	NELAP	FL
1175 - Tin	EPA 6010B	10155609	NELAP	FL
1180 - Titanium	EPA 6010B	10155609	NELAP	FL
1755 - Total hardness as CaCO3	EPA 6010B	10155609	NELAP	FL
1185 - Vanadium	EPA 6010B	10155609	NELAP	FL
1190 - Zinc	EPA 6010B	10155609	NELAP	FL
1000 - Aluminum	EPA 6010C	10155803	NELAP	FL
1005 - Antimony	EPA 6010C	10155803	NELAP	FL
1010 - Arsenic	EPA 6010C	10155803	NELAP	FL
1015 - Barium	EPA 6010C	10155803	NELAP	FL
1020 - Beryllium	EPA 6010C	10155803	NELAP	FL
1025 - Boron	EPA 6010C	10155803	NELAP	FL
1030 - Cadmium	EPA 6010C	10155803	NELAP	FL
1035 - Calcium	EPA 6010C	10155803	NELAP	FL
1040 - Chromium	EPA 6010C	10155803	NELAP	FL
1050 - Cobalt	EPA 6010C	10155803	NELAP	FL
1055 - Copper	EPA 6010C	10155803	NELAP	FL
1070 - Iron	EPA 6010C	10155803	NELAP	FL
1075 - Lead	EPA 6010C	10155803	NELAP	FL
1080 - Lithium	EPA 6010C	10155803	NELAP	FL
1085 - Magnesium	EPA 6010C	10155803	NELAP	FL
1090 - Manganese	EPA 6010C	10155803	NELAP	FL
1100 - Molybdenum	EPA 6010C	10155803	NELAP	FL
1105 - Nickel	EPA 6010C	10155803	NELAP	FL
1125 - Potassium	EPA 6010C	10155803	NELAP	FL
1140 - Selenium	EPA 6010C	10155803	NELAP	FL
1990 - Silica as SiO2	EPA 6010C	10155803	NELAP	FL
1150 - Silver	EPA 6010C	10155803	NELAP	FL
1155 - Sodium	EPA 6010C	10155803	NELAP	FL
1160 - Strontium	EPA 6010C	10155803	NELAP	FL
1165 - Thallium	EPA 6010C	10155803	NELAP	FL
1175 - Tin	EPA 6010C	10155803	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1180 - Titanium	EPA 6010C	10155803	NELAP	FL
1755 - Total hardness as CaCO3	EPA 6010C	10155803	NELAP	FL
1185 - Vanadium	EPA 6010C	10155803	NELAP	FL
1190 - Zinc	EPA 6010C	10155803	NELAP	FL
1000 - Aluminum	EPA 6010D	10155949	NELAP	FL
1005 - Antimony	EPA 6010D	10155949	NELAP	FL
1010 - Arsenic	EPA 6010D	10155949	NELAP	FL
1015 - Barium	EPA 6010D	10155949	NELAP	FL
1020 - Beryllium	EPA 6010D	10155949	NELAP	FL
1025 - Boron	EPA 6010D	10155949	NELAP	FL
1030 - Cadmium	EPA 6010D	10155949	NELAP	FL
1035 - Calcium	EPA 6010D	10155949	NELAP	FL
1040 - Chromium	EPA 6010D	10155949	NELAP	FL
1050 - Cobalt	EPA 6010D	10155949	NELAP	FL
1055 - Copper	EPA 6010D	10155949	NELAP	FL
1070 - Iron	EPA 6010D	10155949	NELAP	FL
1075 - Lead	EPA 6010D	10155949	NELAP	FL
1080 - Lithium	EPA 6010D	10155949	NELAP	FL
1085 - Magnesium	EPA 6010D	10155949	NELAP	FL
1090 - Manganese	EPA 6010D	10155949	NELAP	FL
1100 - Molybdenum	EPA 6010D	10155949	NELAP	FL
1105 - Nickel	EPA 6010D	10155949	NELAP	FL
1125 - Potassium	EPA 6010D	10155949	NELAP	FL
1140 - Selenium	EPA 6010D	10155949	NELAP	FL
1990 - Silica as SiO2	EPA 6010D	10155949	NELAP	FL
1150 - Silver	EPA 6010D	10155949	NELAP	FL
1155 - Sodium	EPA 6010D	10155949	NELAP	FL
1160 - Strontium	EPA 6010D	10155949	NELAP	FL
1165 - Thallium	EPA 6010D	10155949	NELAP	FL
1175 - Tin	EPA 6010D	10155949	NELAP	FL
1180 - Titanium	EPA 6010D	10155949	NELAP	FL
1185 - Vanadium	EPA 6010D	10155949	NELAP	FL
1190 - Zinc	EPA 6010D	10155949	NELAP	FL
1000 - Aluminum	EPA 6020	10156000	NELAP	FL
1005 - Antimony	EPA 6020	10156000	NELAP	FL
1010 - Arsenic	EPA 6020	10156000	NELAP	FL
1015 - Barium	EPA 6020	10156000	NELAP	FL
1020 - Beryllium	EPA 6020	10156000	NELAP	FL
1025 - Boron	EPA 6020	10156000	NELAP	FL
1030 - Cadmium	EPA 6020	10156000	NELAP	FL
1035 - Calcium	EPA 6020	10156000	NELAP	FL
1040 - Chromium	EPA 6020	10156000	NELAP	FL
1050 - Cobalt	EPA 6020	10156000	NELAP	FL
1055 - Copper	EPA 6020	10156000	NELAP	FL
1070 - Iron	EPA 6020	10156000	NELAP	FL
1075 - Lead	EPA 6020	10156000	NELAP	FL
1080 - Lithium	EPA 6020	10156000	NELAP	FL
1085 - Magnesium	EPA 6020	10156000	NELAP	FL
1090 - Manganese	EPA 6020	10156000	NELAP	FL
1100 - Molybdenum	EPA 6020	10156000	NELAP	FL
1105 - Nickel	EPA 6020	10156000	NELAP	FL
1125 - Potassium	EPA 6020	10156000	NELAP	FL
1140 - Selenium	EPA 6020	10156000	NELAP	FL
<b>1150 - Silver</b>	<b>EPA 6020</b>	<b>10156000</b>	<b>NELAP</b>	<b>FL</b>
1155 - Sodium	EPA 6020	10156000	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
1160 - Strontium	EPA 6020	10156000	NELAP	FL
1165 - Thallium	EPA 6020	10156000	NELAP	FL
1175 - Tin	EPA 6020	10156000	NELAP	FL
1180 - Titanium	EPA 6020	10156000	NELAP	FL
1185 - Vanadium	EPA 6020	10156000	NELAP	FL
1190 - Zinc	EPA 6020	10156000	NELAP	FL
1150 - Silver	EPA 6020	10156204	NELAP	FL
1000 - Aluminum	EPA 6020B	10156420	NELAP	FL
1005 - Antimony	EPA 6020B	10156420	NELAP	FL
1010 - Arsenic	EPA 6020B	10156420	NELAP	FL
1015 - Barium	EPA 6020B	10156420	NELAP	FL
1020 - Beryllium	EPA 6020B	10156420	NELAP	FL
1025 - Boron	EPA 6020B	10156420	NELAP	FL
1030 - Cadmium	EPA 6020B	10156420	NELAP	FL
1035 - Calcium	EPA 6020B	10156420	NELAP	FL
1040 - Chromium	EPA 6020B	10156420	NELAP	FL
1050 - Cobalt	EPA 6020B	10156420	NELAP	FL
1055 - Copper	EPA 6020B	10156420	NELAP	FL
1070 - Iron	EPA 6020B	10156420	NELAP	FL
1075 - Lead	EPA 6020B	10156420	NELAP	FL
1080 - Lithium	EPA 6020B	10156420	NELAP	FL
1085 - Magnesium	EPA 6020B	10156420	NELAP	FL
1090 - Manganese	EPA 6020B	10156420	NELAP	FL
1100 - Molybdenum	EPA 6020B	10156420	NELAP	FL
1105 - Nickel	EPA 6020B	10156420	NELAP	FL
1125 - Potassium	EPA 6020B	10156420	NELAP	FL
1140 - Selenium	EPA 6020B	10156420	NELAP	FL
1150 - Silver	EPA 6020B	10156420	NELAP	FL
1155 - Sodium	EPA 6020B	10156420	NELAP	FL
1160 - Strontium	EPA 6020B	10156420	NELAP	FL
1165 - Thallium	EPA 6020B	10156420	NELAP	FL
1175 - Tin	EPA 6020B	10156420	NELAP	FL
1180 - Titanium	EPA 6020B	10156420	NELAP	FL
1185 - Vanadium	EPA 6020B	10156420	NELAP	FL
1190 - Zinc	EPA 6020B	10156420	NELAP	FL
1045 - Chromium VI	EPA 7196A	10162400	NELAP	FL
1095 - Mercury	EPA 7470A	10165807	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	10173009	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	10173009	NELAP	FL
9322 - 2-Butoxyethanol	EPA 8015B	10173601	NELAP	FL
5866 - 2-Ethoxyethanol (cellosolve)	EPA 8015B	10173601	NELAP	FL
4935 - 2-Methoxyethanol (Methyl cellosolve)	EPA 8015B	10173601	NELAP	FL
9608 - 2-Propoxyethanol (Propyl cellosolve)	EPA 8015B	10173601	NELAP	FL
9369 - Diesel range organics (DRO)	EPA 8015B	10173601	NELAP	FL
4720 - Diethylene glycol	EPA 8015B	10173601	NELAP	FL
9388 - Dipropylene Glycol	EPA 8015B	10173601	NELAP	FL
4785 - Ethylene glycol	EPA 8015B	10173601	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015B	10173601	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015B	10173601	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015B	10173601	NELAP	FL

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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
4930 - Methanol	EPA 8015B	10173601	NELAP	FL
6748 - Oil-Range Organics (ORO)	EPA 8015B	10173601	NELAP	LA
5070 - Propargyl alcohol	EPA 8015B	10173601	NELAP	FL
6657 - Propylene Glycol	EPA 8015B	10173601	NELAP	FL
9646 - Triethylene Glycol	EPA 8015B	10173601	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8015B	10173601	NELAP	FL
5055 - n-Propanol (1-Propanol)	EPA 8015B	10173601	NELAP	FL
9369 - Diesel range organics (DRO)	EPA 8015C	10173805	NELAP	FL
4785 - Ethylene glycol	EPA 8015C	10173805	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015C	10173805	NELAP	FL
6748 - Oil-Range Organics (ORO)	EPA 8015C, Rev.3	10173816	NELAP	LA
7355 - 4,4'-DDD	EPA 8081A	10178606	NELAP	FL
7360 - 4,4'-DDE	EPA 8081A	10178606	NELAP	FL
7365 - 4,4'-DDT	EPA 8081A	10178606	NELAP	FL
7025 - Aldrin	EPA 8081A	10178606	NELAP	FL
7250 - Chlordane (tech.)	EPA 8081A	10178606	NELAP	FL
7260 - Chlorobenzilate	EPA 8081A	10178606	NELAP	FL
7470 - Dieldrin	EPA 8081A	10178606	NELAP	FL
7510 - Endosulfan I	EPA 8081A	10178606	NELAP	FL
7515 - Endosulfan II	EPA 8081A	10178606	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081A	10178606	NELAP	FL
7540 - Endrin	EPA 8081A	10178606	NELAP	FL
7530 - Endrin aldehyde	EPA 8081A	10178606	NELAP	FL
7535 - Endrin ketone	EPA 8081A	10178606	NELAP	FL
7685 - Heptachlor	EPA 8081A	10178606	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081A	10178606	NELAP	FL
6275 - Hexachlorobenzene	EPA 8081A	10178606	NELAP	FL
7810 - Methoxychlor	EPA 8081A	10178606	NELAP	FL
7870 - Mirex	EPA 8081A	10178606	NELAP	FL
8045 - Propachlor (Ramrod)	EPA 8081A	10178606	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 8081A	10178606	NELAP	FL
8295 - Trifluralin (Treflan)	EPA 8081A	10178606	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7240 - alpha-Chlordane	EPA 8081A	10178606	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7105 - delta-BHC	EPA 8081A	10178606	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	EPA 8081A	10178606	NELAP	FL
7245 - gamma-Chlordane	EPA 8081A	10178606	NELAP	FL
7355 - 4,4'-DDD	EPA 8081B	10178800	NELAP	FL
7360 - 4,4'-DDE	EPA 8081B	10178800	NELAP	FL
7365 - 4,4'-DDT	EPA 8081B	10178800	NELAP	FL
7025 - Aldrin	EPA 8081B	10178800	NELAP	FL
7250 - Chlordane (tech.)	EPA 8081B	10178800	NELAP	FL
7260 - Chlorobenzilate	EPA 8081B	10178800	NELAP	FL
7470 - Dieldrin	EPA 8081B	10178800	NELAP	FL
7510 - Endosulfan I	EPA 8081B	10178800	NELAP	FL
7515 - Endosulfan II	EPA 8081B	10178800	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081B	10178800	NELAP	FL
7540 - Endrin	EPA 8081B	10178800	NELAP	FL
7530 - Endrin aldehyde	EPA 8081B	10178800	NELAP	FL
7535 - Endrin ketone	EPA 8081B	10178800	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
7685 - Heptachlor	EPA 8081B	10178800	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081B	10178800	NELAP	FL
6275 - Hexachlorobenzene	EPA 8081B	10178800	NELAP	FL
7810 - Methoxychlor	EPA 8081B	10178800	NELAP	FL
7870 - Mirex	EPA 8081B	10178800	NELAP	FL
8045 - Propachlor (Ramrod)	EPA 8081B	10178800	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 8081B	10178800	NELAP	FL
8295 - Trifluralin (Treflan)	EPA 8081B	10178800	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7240 - alpha-Chlordane	EPA 8081B	10178800	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7105 - delta-BHC	EPA 8081B	10178800	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-HexachlorocyclohexaneE)	EPA 8081B	10178800	NELAP	FL
7245 - gamma-Chlordane	EPA 8081B	10178800	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082	10179007	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 8082	10179007	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 8082	10179007	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 8082	10179007	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 8082	10179007	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 8082	10179007	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082	10179007	NELAP	FL
8912 - Aroclor-1262 (PCB-1262)	EPA 8082	10179007	NELAP	FL
8913 - Aroclor-1268 (PCB-1268)	EPA 8082	10179007	NELAP	FL
8870 - PCBs	EPA 8082	10179007	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082A	10179201	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 8082A	10179201	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 8082A	10179201	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 8082A	10179201	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 8082A	10179201	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 8082A	10179201	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082A	10179201	NELAP	FL
8912 - Aroclor-1262 (PCB-1262)	EPA 8082A	10179201	NELAP	FL
8913 - Aroclor-1268 (PCB-1268)	EPA 8082A	10179201	NELAP	FL
8870 - PCBs	EPA 8082A	10179201	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8091	10179803	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8091	10179803	NELAP	FL
8655 - 2,4,5-T	EPA 8151A	10183207	NELAP	FL
8545 - 2,4-D	EPA 8151A	10183207	NELAP	FL
8560 - 2,4-DB	EPA 8151A	10183207	NELAP	FL
8555 - Dalapon	EPA 8151A	10183207	NELAP	FL
8595 - Dicamba	EPA 8151A	10183207	NELAP	FL
8605 - Dichloroprop (Dichloroprop)	EPA 8151A	10183207	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	NELAP	FL
7775 - MCPA	EPA 8151A	10183207	NELAP	FL
7780 - MCPP	EPA 8151A	10183207	NELAP	FL
6605 - Pentachlorophenol	EPA 8151A	10183207	NELAP	FL
8645 - Picloram	EPA 8151A	10183207	NELAP	FL
8650 - Silvex (2,4,5-TP)	EPA 8151A	10183207	NELAP	FL
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 8260B	10184802	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260B	10184802	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260B	10184802	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260B	10184802	NELAP	FL
9557 - 1,1-dimethylethyl ester (tert-Butyl Formate)	EPA 8260B	10184802	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260B	10184802	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260B	10184802	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260B	10184802	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260B	10184802	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	10184802	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260B	10184802	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4656 - 1,2-Diethylbenzene	EPA 8260B	10184802	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260B	10184802	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B	10184802	NELAP	FL
4510 - 1-Chlorohexane	EPA 8260B	10184802	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260B	10184802	NELAP	FL
4535 - 2-Chlorotoluene	EPA 8260B	10184802	NELAP	FL
4860 - 2-Hexanone	EPA 8260B	10184802	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260B	10184802	NELAP	FL
5020 - 2-Nitropropane	EPA 8260B	10184802	NELAP	FL
4368 - 2-methyl-2-butanol (tert-Amyl alcohol)	EPA 8260B	10184802	NELAP	FL
6103 - 3,3-dimethyl-1-butanol	EPA 8260B	10184802	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260B	10184802	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260B	10184802	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	FL
4315 - Acetone	EPA 8260B	10184802	NELAP	FL
4320 - Acetonitrile	EPA 8260B	10184802	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	FL
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	NELAP	FL
4375 - Benzene	EPA 8260B	10184802	NELAP	FL
5635 - Benzyl chloride	EPA 8260B	10184802	NELAP	FL
4385 - Bromobenzene	EPA 8260B	10184802	NELAP	FL
4390 - Bromochloromethane	EPA 8260B	10184802	NELAP	FL
4395 - Bromodichloromethane	EPA 8260B	10184802	NELAP	FL
4400 - Bromoform	EPA 8260B	10184802	NELAP	FL
4450 - Carbon disulfide	EPA 8260B	10184802	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260B	10184802	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
4475 - Chlorobenzene	EPA 8260B	10184802	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260B	10184802	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	FL
4505 - Chloroform	EPA 8260B	10184802	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260B	10184802	NELAP	FL
4555 - Cyclohexane	EPA 8260B	10184802	NELAP	FL
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260B	10184802	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	FL
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	FL
4725 - Diethyl ether	EPA 8260B	10184802	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260B	10184802	NELAP	FL
4750 - Ethanol	EPA 8260B	10184802	NELAP	FL
4755 - Ethyl acetate	EPA 8260B	10184802	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260B	10184802	NELAP	FL
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	FL
4795 - Ethylene oxide	EPA 8260B	10184802	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260B	10184802	NELAP	FL
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	NELAP	FL
100145 - Isopropyl Ether	EPA 8260B	10184802	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260B	10184802	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260B	10184802	NELAP	FL
4925 - Methacrylonitrile	EPA 8260B	10184802	NELAP	FL
4940 - Methyl acetate	EPA 8260B	10184802	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260B	10184802	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260B	10184802	NELAP	FL
4990 - Methyl methacrylate	EPA 8260B	10184802	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	NELAP	FL
4965 - Methylcyclohexane	EPA 8260B	10184802	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260B	10184802	NELAP	FL
5005 - Naphthalene	EPA 8260B	10184802	NELAP	FL
5035 - Pentachloroethane	EPA 8260B	10184802	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	NELAP	FL
9579 - Propylene oxide	EPA 8260B	10184802	NELAP	FL
5100 - Styrene	EPA 8260B	10184802	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260B	10184802	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260B	10184802	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260B	10184802	NELAP	FL
5140 - Toluene	EPA 8260B	10184802	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260B	10184802	NELAP	FL
5225 - Vinyl acetate	EPA 8260B	10184802	NELAP	FL
5235 - Vinyl chloride	EPA 8260B	10184802	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
5260 - Xylene (total)	EPA 8260B	10184802	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 8260B	10184802	NELAP	FL
5240 - m+p-xylene	EPA 8260B	10184802	NELAP	FL
4676 - m-Diethylbenzene (1,3-Diethylbenzene)	EPA 8260B	10184802	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260B	10184802	NELAP	FL
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4825 - n-Heptane	EPA 8260B	10184802	NELAP	FL
4855 - n-Hexane	EPA 8260B	10184802	NELAP	FL
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	FL
5250 - o-Xylene	EPA 8260B	10184802	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260B	10184802	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4420 - tert-Butyl alcohol	EPA 8260B	10184802	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260B	10184802	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260B SIM	10184904	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8270C	10185805	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270C	10185805	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270C	10185805	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270C	10185805	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270C	10185805	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270C	10185805	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270C	10185805	NELAP	FL
6630 - 1,4-Phenylenediamine	EPA 8270C	10185805	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270C	10185805	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270C	10185805	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270C	10185805	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270C	10185805	NELAP	FL
6014 - 2,3-Dinitrotoluene	EPA 8270C	10185805	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270C	10185805	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270C	10185805	NELAP	FL
5880 - 2,4-Diaminotoluene	EPA 8270C	10185805	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270C	10185805	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270C	10185805	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270C	10185805	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	FL
6183 - 2,6-Diaminotoluene	EPA 8270C	10185805	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270C	10185805	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270C	10185805	NELAP	FL
5735 - 2-Chloroaniline	EPA 8270C	10185805	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270C	10185805	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270C	10185805	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270C	10185805	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270C	10185805	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270C	10185805	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270C	10185805	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270C	10185805	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270C	10185805	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270C	10185805	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270C	10185805	NELAP	FL
5940 - 3,4-Dichloroaniline	EPA 8270C	10185805	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270C	10185805	NELAP	FL
6465 - 3-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6365 - 4,4'-Methylenebis(2-chloroaniline)	EPA 8270C	10185805	NELAP	FL
5540 - 4-Aminobiphenyl	EPA 8270C	10185805	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270C	10185805	NELAP	FL
5852 - 4-Chloro-2-methylaniline	EPA 8270C	10185805	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270C	10185805	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270C	10185805	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270C	10185805	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270C	10185805	NELAP	FL
6410 - 4-Methylphenol (p-Cresol)	EPA 8270C	10185805	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270C	10185805	NELAP	FL
6510 - 4-Nitroquinoline 1-oxide	EPA 8270C	10185805	NELAP	FL
6516 - 4-tert-butyl phenol	EPA 8270C	10185805	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270C	10185805	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270C	10185805	NELAP	FL
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	FL
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	FL
5510 - Acetophenone	EPA 8270C	10185805	NELAP	FL
7035 - Ametryn	EPA 8270C	10185805	NELAP	FL
5545 - Aniline	EPA 8270C	10185805	NELAP	FL
5555 - Anthracene	EPA 8270C	10185805	NELAP	FL
5560 - Aramite	EPA 8270C	10185805	NELAP	FL
7065 - Atrazine	EPA 8270C	10185805	NELAP	FL
5570 - Benzaldehyde	EPA 8270C	10185805	NELAP	FL
5595 - Benzidine	EPA 8270C	10185805	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270C	10185805	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270C	10185805	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270C	10185805	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270C	10185805	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270C	10185805	NELAP	FL
5610 - Benzoic acid	EPA 8270C	10185805	NELAP	FL
5630 - Benzyl alcohol	EPA 8270C	10185805	NELAP	FL
5640 - Biphenyl (1,1'-Biphenyl)	EPA 8270C	10185805	NELAP	FL
5780 - Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	EPA 8270C	10185805	NELAP	FL
7125 - Bolstar (Sulprofos)	EPA 8270C	10185805	NELAP	FL
7130 - Bromacil	EPA 8270C	10185805	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270C	10185805	NELAP	FL
7175 - Butylate	EPA 8270C	10185805	NELAP	FL
7180 - Caprolactam	EPA 8270C	10185805	NELAP	FL

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5680 - Carbazole	EPA 8270C	10185805	NELAP	FL
7272 - Chlordimeform	EPA 8270C	10185805	NELAP	FL
7260 - Chlorobenzilate	EPA 8270C	10185805	NELAP	FL
7300 - Chlorpyrifos	EPA 8270C	10185805	NELAP	FL
5855 - Chrysene	EPA 8270C	10185805	NELAP	FL
8906 - Coelution - 3-Chlorophenol + 4-Chlorophenol	EPA 8270C	10185805	NELAP	FL
6414 - Coelution - 3-Phenoxyphenol + 4-Phenoxyphenol	EPA 8270C	10185805	NELAP	FL
7315 - Coumaphos	EPA 8270C	10185805	NELAP	FL
7340 - Cyanazine	EPA 8270C	10185805	NELAP	FL
4550 - Cycloate	EPA 8270C	10185805	NELAP	FL
7395 - Demeton-o	EPA 8270C	10185805	NELAP	FL
7385 - Demeton-s	EPA 8270C	10185805	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270C	10185805	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270C	10185805	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270C	10185805	NELAP	FL
7405 - Diallylate	EPA 8270C	10185805	NELAP	FL
9354 - Dibenz(a, h) acridine	EPA 8270C	10185805	NELAP	FL
5900 - Dibenz(a, j)acridine	EPA 8270C	10185805	NELAP	FL
5890 - Dibenzo(a,e)pyrene	EPA 8270C	10185805	NELAP	FL
9348 - Dibenzo(a,h) pyrene	EPA 8270C	10185805	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270C	10185805	NELAP	FL
9351 - Dibenzo(a,i) pyrene	EPA 8270C	10185805	NELAP	FL
5905 - Dibenzofuran	EPA 8270C	10185805	NELAP	FL
8610 - Dichlorovos (DDVP, Dichlorvos)	EPA 8270C	10185805	NELAP	FL
6070 - Diethyl phthalate	EPA 8270C	10185805	NELAP	FL
7475 - Dimethoate	EPA 8270C	10185805	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270C	10185805	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270C	10185805	NELAP	FL
8625 - Disulfoton	EPA 8270C	10185805	NELAP	FL
7550 - EPN	EPA 8270C	10185805	NELAP	FL
7555 - EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 8270C	10185805	NELAP	FL
7565 - Ethion	EPA 8270C	10185805	NELAP	FL
7570 - Ethoprop	EPA 8270C	10185805	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270C	10185805	NELAP	FL
7580 - Farnphur	EPA 8270C	10185805	NELAP	FL
7600 - Fensulfothion	EPA 8270C	10185805	NELAP	FL
7605 - Fenthion	EPA 8270C	10185805	NELAP	FL
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	FL
6270 - Fluorene	EPA 8270C	10185805	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270C	10185805	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270C	10185805	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270C	10185805	NELAP	FL
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	FL
6290 - Hexachlorophene	EPA 8270C	10185805	NELAP	FL
6295 - Hexachloropropene	EPA 8270C	10185805	NELAP	FL
6312 - Indene	EPA 8270C	10185805	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	NELAP	FL
7725 - Isodrin	EPA 8270C	10185805	NELAP	FL
6320 - Isophorone	EPA 8270C	10185805	NELAP	FL
6321 - Isoquinoline	EPA 8270C	10185805	NELAP	FL

Eurofins Pensacola

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6325 - Isosafrole	EPA 8270C	10185805	NELAP	FL
7740 - Kepone	EPA 8270C	10185805	NELAP	FL
7770 - Malathion	EPA 8270C	10185805	NELAP	FL
6345 - Methapyrilene	EPA 8270C	10185805	NELAP	FL
6375 - Methyl methanesulfonate	EPA 8270C	10185805	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270C	10185805	NELAP	FL
7845 - Metribuzin	EPA 8270C	10185805	NELAP	FL
7850 - Mevinphos	EPA 8270C	10185805	NELAP	FL
7875 - Molinate	EPA 8270C	10185805	NELAP	FL
7880 - Monocrotophos	EPA 8270C	10185805	NELAP	FL
7905 - Naled	EPA 8270C	10185805	NELAP	FL
5005 - Naphthalene	EPA 8270C	10185805	NELAP	FL
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	FL
7955 - Parathion, ethyl	EPA 8270C	10185805	NELAP	FL
9537 - Pebulate	EPA 8270C	10185805	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270C	10185805	NELAP	FL
6600 - Pentachloronitrobenzene	EPA 8270C	10185805	NELAP	FL
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	FL
6610 - Phenacetin	EPA 8270C	10185805	NELAP	FL
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	FL
6625 - Phenol	EPA 8270C	10185805	NELAP	FL
7985 - Phorate	EPA 8270C	10185805	NELAP	FL
8015 - Profluralin	EPA 8270C	10185805	NELAP	FL
8035 - Prometon	EPA 8270C	10185805	NELAP	FL
8040 - Prometryn	EPA 8270C	10185805	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270C	10185805	NELAP	FL
8060 - Propazine	EPA 8270C	10185805	NELAP	FL
6665 - Pyrene	EPA 8270C	10185805	NELAP	FL
5095 - Pyridine	EPA 8270C	10185805	NELAP	FL
8110 - Ronnel	EPA 8270C	10185805	NELAP	FL
6685 - Safrole	EPA 8270C	10185805	NELAP	FL
8125 - Simazine	EPA 8270C	10185805	NELAP	FL
8130 - Simetryn	EPA 8270C	10185805	NELAP	FL
100199 - Sulfolane	EPA 8270C	10185805	NELAP	FL
8155 - Sulfotepp	EPA 8270C	10185805	NELAP	FL
8190 - Terbutylazine	EPA 8270C	10185805	NELAP	FL
8195 - Terbutryn (Igran)	EPA 8270C	10185805	NELAP	FL
8200 - Tetrachlorvinphos (Stirophos, Gardona) Z-isomer	EPA 8270C	10185805	NELAP	FL
8210 - Tetraethyl pyrophosphate (TEPP)	EPA 8270C	10185805	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270C	10185805	NELAP	FL
8245 - Tokuthion (Prothiophos)	EPA 8270C	10185805	NELAP	FL
8275 - Trichloronate	EPA 8270C	10185805	NELAP	FL
8320 - Vernolate	EPA 8270C	10185805	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270C	10185805	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270C	10185805	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270C	10185805	NELAP	FL
5010 - n, n-Dimethylformamide	EPA 8270C	10185805	NELAP	FL
5875 - n-Decane	EPA 8270C	10185805	NELAP	FL
6300 - n-Hexadecane	EPA 8270C	10185805	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270C	10185805	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270C	10185805	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270C	10185805	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270C	10185805	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270C	10185805	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6550 - n-Nitrosomethylethylamine	EPA 8270C	10185805	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270C	10185805	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270C	10185805	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270C	10185805	NELAP	FL
6580 - n-Octadecane	EPA 8270C	10185805	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270C	10185805	NELAP	FL
3960 - o-Phenylphenol	EPA 8270C	10185805	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8270D	10186002	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270D	10186002	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270D	10186002	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270D	10186002	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270D	10186002	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270D	10186002	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270D	10186002	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270D	10186002	NELAP	FL
6630 - 1,4-Phenylenediamine	EPA 8270D	10186002	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270D	10186002	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270D	10186002	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270D	10186002	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270D	10186002	NELAP	FL
6014 - 2,3-Dinitrotoluene	EPA 8270D	10186002	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270D	10186002	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270D	10186002	NELAP	FL
5880 - 2,4-Diaminotoluene	EPA 8270D	10186002	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270D	10186002	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270D	10186002	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270D	10186002	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186002	NELAP	FL
6183 - 2,6-Diaminotoluene	EPA 8270D	10186002	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270D	10186002	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270D	10186002	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270D	10186002	NELAP	FL
5735 - 2-Chloroaniline	EPA 8270D	10186002	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270D	10186002	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270D	10186002	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270D	10186002	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270D	10186002	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270D	10186002	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270D	10186002	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270D	10186002	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270D	10186002	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270D	10186002	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270D	10186002	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270D	10186002	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270D	10186002	NELAP	FL
5940 - 3,4-Dichloroaniline	EPA 8270D	10186002	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270D	10186002	NELAP	FL

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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6465 - 3-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6365 - 4,4'-Methylenebis(2-chloroaniline)	EPA 8270D	10186002	NELAP	FL
5540 - 4-Aminobiphenyl	EPA 8270D	10186002	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270D	10186002	NELAP	FL
5852 - 4-Chloro-2-methylaniline	EPA 8270D	10186002	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270D	10186002	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270D	10186002	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270D	10186002	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270D	10186002	NELAP	FL
6410 - 4-Methylphenol (p-Cresol)	EPA 8270D	10186002	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270D	10186002	NELAP	FL
6510 - 4-Nitroquinoline 1-oxide	EPA 8270D	10186002	NELAP	FL
6516 - 4-tert-butyl phenol	EPA 8270D	10186002	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270D	10186002	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270D	10186002	NELAP	FL
5500 - Acenaphthene	EPA 8270D	10186002	NELAP	FL
5505 - Acenaphthylene	EPA 8270D	10186002	NELAP	FL
5510 - Acetophenone	EPA 8270D	10186002	NELAP	FL
7035 - Ametryn	EPA 8270D	10186002	NELAP	FL
5545 - Aniline	EPA 8270D	10186002	NELAP	FL
5555 - Anthracene	EPA 8270D	10186002	NELAP	FL
5560 - Aramite	EPA 8270D	10186002	NELAP	FL
7065 - Atrazine	EPA 8270D	10186002	NELAP	FL
5570 - Benzaldehyde	EPA 8270D	10186002	NELAP	FL
5595 - Benzidine	EPA 8270D	10186002	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270D	10186002	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270D	10186002	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270D	10186002	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270D	10186002	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270D	10186002	NELAP	FL
5610 - Benzoic acid	EPA 8270D	10186002	NELAP	FL
5630 - Benzyl alcohol	EPA 8270D	10186002	NELAP	FL
5640 - Biphenyl (1,1'-Biphenyl)	EPA 8270D	10186002	NELAP	FL
5780 - Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	EPA 8270D	10186002	NELAP	FL
7125 - Bolstar (Sulprofos)	EPA 8270D	10186002	NELAP	FL
7130 - Bromacil	EPA 8270D	10186002	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270D	10186002	NELAP	FL
7175 - Butylate	EPA 8270D	10186002	NELAP	FL
7180 - Caprolactam	EPA 8270D	10186002	NELAP	FL
5680 - Carbazole	EPA 8270D	10186002	NELAP	FL
7272 - Chlordimeform	EPA 8270D	10186002	NELAP	FL
7260 - Chlorobenzilate	EPA 8270D	10186002	NELAP	FL
7300 - Chlorpyrifos	EPA 8270D	10186002	NELAP	FL
5855 - Chrysene	EPA 8270D	10186002	NELAP	FL
8906 - Coelution - 3-Chlorophenol + 4-Chlorophenol	EPA 8270D	10186002	NELAP	FL
6414 - Coelution - 3-Phenoxyphenol + 4-Phenoxyphenol	EPA 8270D	10186002	NELAP	FL
7315 - Coumaphos	EPA 8270D	10186002	NELAP	FL
7340 - Cyanazine	EPA 8270D	10186002	NELAP	FL
4550 - Cycloate	EPA 8270D	10186002	NELAP	FL
7395 - Demeton-o	EPA 8270D	10186002	NELAP	FL
7385 - Demeton-s	EPA 8270D	10186002	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6065 - Di(2-ethylhexyl) phthalate (bis(2-ethylhexyl)phthalate, DEHP)	EPA 8270D	10186002	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270D	10186002	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270D	10186002	NELAP	FL
7405 - Diallylate	EPA 8270D	10186002	NELAP	FL
7410 - Diazinon	EPA 8270D	10186002	NELAP	LA
9354 - Dibenz(a, h) acridine	EPA 8270D	10186002	NELAP	FL
5900 - Dibenz(a, j)acridine	EPA 8270D	10186002	NELAP	FL
5890 - Dibenzo(a,e)pyrene	EPA 8270D	10186002	NELAP	FL
9348 - Dibenzo(a,h) pyrene	EPA 8270D	10186002	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270D	10186002	NELAP	FL
9351 - Dibenzo(a,i) pyrene	EPA 8270D	10186002	NELAP	FL
5905 - Dibenzofuran	EPA 8270D	10186002	NELAP	FL
8610 - Dichlorovos (DDVP, Dichlorvos)	EPA 8270D	10186002	NELAP	FL
6070 - Diethyl phthalate	EPA 8270D	10186002	NELAP	FL
7475 - Dimethoate	EPA 8270D	10186002	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270D	10186002	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270D	10186002	NELAP	FL
8625 - Disulfoton	EPA 8270D	10186002	NELAP	FL
7550 - EPN	EPA 8270D	10186002	NELAP	FL
7555 - EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 8270D	10186002	NELAP	FL
7565 - Ethion	EPA 8270D	10186002	NELAP	FL
7570 - Ethoprop	EPA 8270D	10186002	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270D	10186002	NELAP	FL
7580 - Farnphur	EPA 8270D	10186002	NELAP	FL
7600 - Fensulfothion	EPA 8270D	10186002	NELAP	FL
7605 - Fenthion	EPA 8270D	10186002	NELAP	FL
6265 - Fluoranthene	EPA 8270D	10186002	NELAP	FL
6270 - Fluorene	EPA 8270D	10186002	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270D	10186002	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270D	10186002	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270D	10186002	NELAP	FL
4840 - Hexachloroethane	EPA 8270D	10186002	NELAP	FL
6290 - Hexachlorophene	EPA 8270D	10186002	NELAP	FL
6295 - Hexachloropropene	EPA 8270D	10186002	NELAP	FL
6312 - Indene	EPA 8270D	10186002	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D	10186002	NELAP	FL
7725 - Isodrin	EPA 8270D	10186002	NELAP	FL
6320 - Isophorone	EPA 8270D	10186002	NELAP	FL
6321 - Isoquinoline	EPA 8270D	10186002	NELAP	FL
6325 - Isosafrole	EPA 8270D	10186002	NELAP	FL
7740 - Kepone	EPA 8270D	10186002	NELAP	FL
7770 - Malathion	EPA 8270D	10186002	NELAP	FL
6345 - Methapyrilene	EPA 8270D	10186002	NELAP	FL
6375 - Methyl methanesulfonate	EPA 8270D	10186002	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270D	10186002	NELAP	FL
7845 - Metribuzin	EPA 8270D	10186002	NELAP	FL
7850 - Mevinphos	EPA 8270D	10186002	NELAP	FL
7875 - Molinate	EPA 8270D	10186002	NELAP	FL
7880 - Monocrotophos	EPA 8270D	10186002	NELAP	FL
7905 - Naled	EPA 8270D	10186002	NELAP	FL
5005 - Naphthalene	EPA 8270D	10186002	NELAP	FL
5015 - Nitrobenzene	EPA 8270D	10186002	NELAP	FL

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
7955 - Parathion, ethyl	EPA 8270D	10186002	NELAP	FL
9537 - Pebulate	EPA 8270D	10186002	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270D	10186002	NELAP	FL
6600 - Pentachloronitrobenzene	EPA 8270D	10186002	NELAP	FL
6605 - Pentachlorophenol	EPA 8270D	10186002	NELAP	FL
6610 - Phenacetin	EPA 8270D	10186002	NELAP	FL
6615 - Phenanthrene	EPA 8270D	10186002	NELAP	FL
6625 - Phenol	EPA 8270D	10186002	NELAP	FL
7985 - Phorate	EPA 8270D	10186002	NELAP	FL
8015 - Profluralin	EPA 8270D	10186002	NELAP	FL
8035 - Prometon	EPA 8270D	10186002	NELAP	FL
8040 - Prometryn	EPA 8270D	10186002	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270D	10186002	NELAP	FL
8060 - Propazine	EPA 8270D	10186002	NELAP	FL
6665 - Pyrene	EPA 8270D	10186002	NELAP	FL
5095 - Pyridine	EPA 8270D	10186002	NELAP	FL
8110 - Ronnel	EPA 8270D	10186002	NELAP	FL
6685 - Safrole	EPA 8270D	10186002	NELAP	FL
8125 - Simazine	EPA 8270D	10186002	NELAP	FL
8130 - Simetryn	EPA 8270D	10186002	NELAP	FL
100199 - Sulfolane	EPA 8270D	10186002	NELAP	FL
8155 - Sulfotepp	EPA 8270D	10186002	NELAP	FL
8190 - Terbutylazine	EPA 8270D	10186002	NELAP	FL
8195 - Terbutryn (Igran)	EPA 8270D	10186002	NELAP	FL
8200 - Tetrachlorvinphos (Stiropfos, Gardona) Z-isomer	EPA 8270D	10186002	NELAP	FL
8210 - Tetraethyl pyrophosphate (TEPP)	EPA 8270D	10186002	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270D	10186002	NELAP	FL
8245 - Tokuthion (Prothiophos)	EPA 8270D	10186002	NELAP	FL
8275 - Trichloronate	EPA 8270D	10186002	NELAP	FL
8320 - Vernolate	EPA 8270D	10186002	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270D	10186002	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270D	10186002	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270D	10186002	NELAP	FL
5010 - n, n-Dimethylformamide	EPA 8270D	10186002	NELAP	FL
5875 - n-Decane	EPA 8270D	10186002	NELAP	FL
6300 - n-Hexadecane	EPA 8270D	10186002	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270D	10186002	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270D	10186002	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270D	10186002	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270D	10186002	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270D	10186002	NELAP	FL
6550 - n-Nitrosomethylethylamine	EPA 8270D	10186002	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270D	10186002	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270D	10186002	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270D	10186002	NELAP	FL
6580 - n-Octadecane	EPA 8270D	10186002	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270D	10186002	NELAP	FL
3960 - o-Phenylphenol	EPA 8270D	10186002	NELAP	FL
1645 - Total Cyanide	EPA 9010B	10193007	NELAP	FL
1510 - Amenable cyanide	EPA 9012A	10193405	NELAP	FL
1635 - Cyanide	EPA 9012A	10193405	NELAP	FL
1645 - Total Cyanide	EPA 9014	10193803	NELAP	FL
2000 - Sulfate	EPA 9038	10196608	NELAP	FL
1610 - Conductivity	EPA 9050A	10198808	NELAP	FL

Eurofins Pensacola

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1540 - Bromide	EPA 9056	10199403	NELAP	FL
1575 - Chloride	EPA 9056	10199403	NELAP	FL
1730 - Fluoride	EPA 9056	10199403	NELAP	FL
1805 - Nitrate	EPA 9056	10199403	NELAP	FL
1820 - Nitrate-Nitrite	EPA 9056	10199403	NELAP	FL
1835 - Nitrite	EPA 9056	10199403	NELAP	FL
1870 - Orthophosphate as P	EPA 9056	10199403	NELAP	FL
2000 - Sulfate	EPA 9056	10199403	NELAP	FL
1540 - Bromide	EPA 9056A	10199607	NELAP	FL
1575 - Chloride	EPA 9056A	10199607	NELAP	FL
1730 - Fluoride	EPA 9056A	10199607	NELAP	FL
1805 - Nitrate	EPA 9056A	10199607	NELAP	FL
1820 - Nitrate-Nitrite	EPA 9056A	10199607	NELAP	FL
1835 - Nitrite	EPA 9056A	10199607	NELAP	FL
1870 - Orthophosphate as P	EPA 9056A	10199607	NELAP	FL
2000 - Sulfate	EPA 9056A	10199607	NELAP	FL
6625 - Phenol	EPA 9065	10200405	NELAP	FL
1905 - Total Phenolics	EPA 9066	10200609	NELAP	FL
1575 - Chloride	EPA 9251	10207406	NELAP	FL
4917 - 1-Butene	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
4747 - Ethane	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
4752 - Ethene	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
4926 - Methane	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
4836 - Propene	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
5007 - n-Butane	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
5028 - n-Pentane	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
5029 - n-Propane	EPA RSK-175 (GC/FID)	10212905	NELAP	FL
1780 - Ignitability	EPA 1010A	10234807	NELAP	FL
1095 - Mercury	EPA 1631E	10237204	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270C SIM	10242407	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270C SIM	10242407	NELAP	FL
5500 - Acenaphthene	EPA 8270C SIM	10242407	NELAP	FL
5505 - Acenaphthylene	EPA 8270C SIM	10242407	NELAP	FL
5555 - Anthracene	EPA 8270C SIM	10242407	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270C SIM	10242407	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270C SIM	10242407	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270C SIM	10242407	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
5855 - Chrysene	EPA 8270C SIM	10242407	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270C SIM	10242407	NELAP	FL
6265 - Fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
6270 - Fluorene	EPA 8270C SIM	10242407	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C SIM	10242407	NELAP	FL
6615 - Phenanthrene	EPA 8270C SIM	10242407	NELAP	FL
6665 - Pyrene	EPA 8270C SIM	10242407	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270D SIM	10242509	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270D SIM	10242509	NELAP	FL
5505 - Acenaphthylene	EPA 8270D SIM	10242509	NELAP	FL
5555 - Anthracene	EPA 8270D SIM	10242509	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270D SIM	10242509	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270D SIM	10242509	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270D SIM	10242509	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270D SIM	10242509	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270D SIM	10242509	NELAP	FL

Eurofins Pensacola

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AI Number: 30976  
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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5855 - Chrysene	EPA 8270D SIM	10242509	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270D SIM	10242509	NELAP	FL
6265 - Fluoranthene	EPA 8270D SIM	10242509	NELAP	FL
6270 - Fluorene	EPA 8270D SIM	10242509	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D SIM	10242509	NELAP	FL
5005 - Naphthalene	EPA 8270D SIM	10242509	NELAP	FL
6615 - Phenanthrene	EPA 8270D SIM	10242509	NELAP	FL
6665 - Pyrene	EPA 8270D SIM	10242509	NELAP	FL
6703 - 1,1'-Biphenyl (BZ-0) (Biphenyl)	EPA 8270E	10242543	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270E	10242543	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270E	10242543	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270E	10242543	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	10242543	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270E	10242543	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270E	10242543	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270E	10242543	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270E	10242543	NELAP	FL
4659 - 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether (bis(2-chloroisopropyl)ether)	EPA 8270E	10242543	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270E	10242543	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270E	10242543	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270E	10242543	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270E	10242543	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270E	10242543	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270E	10242543	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270E	10242543	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270E	10242543	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270E	10242543	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270E	10242543	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	10242543	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270E	10242543	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270E	10242543	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270E	10242543	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270E	10242543	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270E	10242543	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270E	10242543	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270E	10242543	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270E	10242543	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270E	10242543	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270E	10242543	NELAP	FL
6465 - 3-Nitroaniline	EPA 8270E	10242543	NELAP	FL
9489 - 4,4'-Methylenedianiline	EPA 8270E	10242543	NELAP	FL

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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5540 - 4-Aminobiphenyl	EPA 8270E	10242543	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270E	10242543	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270E	10242543	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270E	10242543	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270E	10242543	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270E	10242543	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270E	10242543	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270E	10242543	NELAP	FL
6510 - 4-Nitroquinoline-1-oxide	EPA 8270E	10242543	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270E	10242543	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	NELAP	FL
5500 - Acenaphthene	EPA 8270E	10242543	NELAP	FL
5505 - Acenaphthylene	EPA 8270E	10242543	NELAP	FL
5510 - Acetophenone	EPA 8270E	10242543	NELAP	FL
5545 - Aniline	EPA 8270E	10242543	NELAP	FL
5555 - Anthracene	EPA 8270E	10242543	NELAP	FL
7065 - Atrazine	EPA 8270E	10242543	NELAP	FL
5570 - Benzaldehyde	EPA 8270E	10242543	NELAP	FL
5595 - Benzidine	EPA 8270E	10242543	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270E	10242543	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270E	10242543	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270E	10242543	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270E	10242543	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270E	10242543	NELAP	FL
5610 - Benzoic acid	EPA 8270E	10242543	NELAP	FL
5630 - Benzyl alcohol	EPA 8270E	10242543	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270E	10242543	NELAP	FL
7180 - Caprolactam	EPA 8270E	10242543	NELAP	FL
5680 - Carbazole	EPA 8270E	10242543	NELAP	FL
7260 - Chlorobenzilate	EPA 8270E	10242543	NELAP	FL
5855 - Chrysene	EPA 8270E	10242543	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	10242543	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270E	10242543	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270E	10242543	NELAP	FL
7405 - Diallate	EPA 8270E	10242543	NELAP	FL
9354 - Dibenz(a, h) acridine	EPA 8270E	10242543	NELAP	FL
5900 - Dibenz(a, j)acridine	EPA 8270E	10242543	NELAP	FL
9348 - Dibenzo(a, h) pyrene	EPA 8270E	10242543	NELAP	FL
9351 - Dibenzo(a, i) pyrene	EPA 8270E	10242543	NELAP	FL
5890 - Dibenzo(a,e) pyrene	EPA 8270E	10242543	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270E	10242543	NELAP	FL
5905 - Dibenzofuran	EPA 8270E	10242543	NELAP	FL
6070 - Diethyl phthalate	EPA 8270E	10242543	NELAP	FL
7475 - Dimethoate	EPA 8270E	10242543	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270E	10242543	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	NELAP	FL
6205 - Diphenylamine	EPA 8270E	10242543	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270E	10242543	NELAP	FL
6265 - Fluoranthene	EPA 8270E	10242543	NELAP	FL
6270 - Fluorene	EPA 8270E	10242543	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270E	10242543	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270E	10242543	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270E	10242543	NELAP	FL

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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
4840 - Hexachloroethane	EPA 8270E	10242543	NELAP	FL
6290 - Hexachlorophene	EPA 8270E	10242543	NELAP	FL
6295 - Hexachloropropene	EPA 8270E	10242543	NELAP	FL
6312 - Indene	EPA 8270E	10242543	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	NELAP	FL
7725 - Isodrin	EPA 8270E	10242543	NELAP	FL
6320 - Isophorone	EPA 8270E	10242543	NELAP	FL
6325 - Isosafrole	EPA 8270E	10242543	NELAP	FL
7740 - Kepone	EPA 8270E	10242543	NELAP	FL
6345 - Methapyrilene	EPA 8270E	10242543	NELAP	FL
6375 - Methyl methanesulfonate	EPA 8270E	10242543	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	NELAP	FL
5005 - Naphthalene	EPA 8270E	10242543	NELAP	FL
5015 - Nitrobenzene	EPA 8270E	10242543	NELAP	FL
7955 - Parathion, ethyl	EPA 8270E	10242543	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270E	10242543	NELAP	FL
6600 - Pentachloronitrobenzene	EPA 8270E	10242543	NELAP	FL
6605 - Pentachlorophenol	EPA 8270E	10242543	NELAP	FL
6610 - Phenacetin	EPA 8270E	10242543	NELAP	FL
6615 - Phenanthrene	EPA 8270E	10242543	NELAP	FL
6625 - Phenol	EPA 8270E	10242543	NELAP	FL
7985 - Phorate	EPA 8270E	10242543	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270E	10242543	NELAP	FL
6665 - Pyrene	EPA 8270E	10242543	NELAP	FL
5095 - Pyridine	EPA 8270E	10242543	NELAP	FL
6685 - Safrole	EPA 8270E	10242543	NELAP	FL
8155 - Sulfotep (Tetraethyl dithiopyrophosphate)	EPA 8270E	10242543	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270E	10242543	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270E	10242543	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270E	10242543	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270E	10242543	NELAP	FL
5875 - n-Decane	EPA 8270E	10242543	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270E	10242543	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270E	10242543	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270E	10242543	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270E	10242543	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270E	10242543	NELAP	FL
6550 - n-Nitrosomethylethylamine	EPA 8270E	10242543	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270E	10242543	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270E	10242543	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270E	10242543	NELAP	FL
6580 - n-Octadecane	EPA 8270E	10242543	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	NELAP	FL
1645 - Total Cyanide	EPA 9010C	10243002	NELAP	FL
1900 - pH	EPA 9040C	10244403	NELAP	FL
2040 - Total Organic Carbon	EPA 9060A	10244801	NELAP	FL
1860 - Oil & Grease	EPA 9070A	10245008	NELAP	FL
1970 - Residue-volatile	EPA 160.4	10256801	NELAP	FL
1803 - n-Hexane Extractable Material (O&G)	EPA 1664B	10261617	NELAP	FL
1429 - Microextraction of Organics in Water	EPA 3511	10279808	NELAP	LA
1406 - Purge and trap for aqueous phase samples	EPA 5030C	10284603	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
7355 - 4,4'-DDD	EPA 608.3	10296614	NELAP	FL
7360 - 4,4'-DDE	EPA 608.3	10296614	NELAP	FL
7365 - 4,4'-DDT	EPA 608.3	10296614	NELAP	FL
7025 - Aldrin	EPA 608.3	10296614	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 608.3	10296614	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 608.3	10296614	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 608.3	10296614	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 608.3	10296614	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 608.3	10296614	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 608.3	10296614	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 608.3	10296614	NELAP	FL
7250 - Chlordane (tech.)	EPA 608.3	10296614	NELAP	FL
7470 - Dieldrin	EPA 608.3	10296614	NELAP	FL
7510 - Endosulfan I	EPA 608.3	10296614	NELAP	FL
7515 - Endosulfan II	EPA 608.3	10296614	NELAP	FL
7520 - Endosulfan sulfate	EPA 608.3	10296614	NELAP	FL
7540 - Endrin	EPA 608.3	10296614	NELAP	FL
7530 - Endrin aldehyde	EPA 608.3	10296614	NELAP	FL
7535 - Endrin ketone	EPA 608.3	10296614	NELAP	LA
7685 - Heptachlor	EPA 608.3	10296614	NELAP	FL
7690 - Heptachlor epoxide	EPA 608.3	10296614	NELAP	FL
7810 - Methoxychlor	EPA 608.3	10296614	NELAP	LA
8250 - Toxaphene (Chlorinated camphene)	EPA 608.3	10296614	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	10296614	NELAP	FL
7240 - alpha-Chlordane	EPA 608.3	10296614	NELAP	LA
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	10296614	NELAP	FL
7105 - delta-BHC	EPA 608.3	10296614	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	10296614	NELAP	FL
7245 - gamma-Chlordane	EPA 608.3	10296614	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 624.1	10298121	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 624.1	10298121	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 624.1	10298121	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 624.1	10298121	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 624.1	10298121	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 624.1	10298121	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 624.1	10298121	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 624.1	10298121	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 624.1	10298121	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 624.1	10298121	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 624.1	10298121	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 624.1	10298121	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 624.1	10298121	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 624.1	10298121	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 624.1	10298121	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 624.1	10298121	NELAP	FL
4860 - 2-Hexanone	EPA 624.1	10298121	NELAP	FL
4315 - Acetone	EPA 624.1	10298121	NELAP	FL
4320 - Acetonitrile	EPA 624.1	10298121	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
4325 - Acrolein (Propenal)	EPA 624.1	10298121	NELAP	FL
4340 - Acrylonitrile	EPA 624.1	10298121	NELAP	LA
4375 - Benzene	EPA 624.1	10298121	NELAP	FL
4395 - Bromodichloromethane	EPA 624.1	10298121	NELAP	FL
4400 - Bromoform	EPA 624.1	10298121	NELAP	FL
4455 - Carbon tetrachloride	EPA 624.1	10298121	NELAP	FL
4475 - Chlorobenzene	EPA 624.1	10298121	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 624.1	10298121	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 624.1	10298121	NELAP	FL
4505 - Chloroform	EPA 624.1	10298121	NELAP	FL
4765 - Ethylbenzene	EPA 624.1	10298121	NELAP	FL
4940 - Methyl acetate	EPA 624.1	10298121	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 624.1	10298121	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 624.1	10298121	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 624.1	10298121	NELAP	FL
4965 - Methylcyclohexane	EPA 624.1	10298121	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 624.1	10298121	NELAP	FL
5005 - Naphthalene	EPA 624.1	10298121	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 624.1	10298121	NELAP	FL
5140 - Toluene	EPA 624.1	10298121	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 624.1	10298121	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 624.1	10298121	NELAP	FL
5235 - Vinyl chloride	EPA 624.1	10298121	NELAP	FL
5260 - Xylene (total)	EPA 624.1	10298121	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 624.1	10298121	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 624.1	10298121	NELAP	FL
5240 - m+p-xylene	EPA 624.1	10298121	NELAP	FL
5250 - o-Xylene	EPA 624.1	10298121	NELAP	FL
4420 - tert-Butyl alcohol	EPA 624.1	10298121	NELAP	FL
100544 - total 1,3-dichloropropene	EPA 624.1	10298121	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 624.1	10298121	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 624.1	10298121	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 625.1	10300024	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 625.1	10300024	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 625.1	10300024	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 625.1	10300024	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 625.1	10300024	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 625.1	10300024	NELAP	FL
4659 - 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether (bis(2-chloroisopropyl)ether)	EPA 625.1	10300024	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 625.1	10300024	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 625.1	10300024	NELAP	FL
9643 - 2,4,6-Tribromophenol	EPA 625.1	10300024	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 625.1	10300024	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 625.1	10300024	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 625.1	10300024	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 625.1	10300024	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	10300024	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	10300024	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 625.1	10300024	NELAP	FL

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# Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5800 - 2-Chlorophenol	EPA 625.1	10300024	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 625.1	10300024	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 625.1	10300024	NELAP	FL
6490 - 2-Nitrophenol	EPA 625.1	10300024	NELAP	FL
6412 - 3+4 Methylphenol	EPA 625.1	10300024	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 625.1	10300024	NELAP	FL
7355 - 4,4'-DDD	EPA 625.1	10300024	NELAP	FL
7360 - 4,4'-DDE	EPA 625.1	10300024	NELAP	FL
7365 - 4,4'-DDT	EPA 625.1	10300024	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 625.1	10300024	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 625.1	10300024	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 625.1	10300024	NELAP	FL
6410 - 4-Methylphenol (p-Cresol)	EPA 625.1	10300024	NELAP	FL
6500 - 4-Nitrophenol	EPA 625.1	10300024	NELAP	FL
5500 - Acenaphthene	EPA 625.1	10300024	NELAP	FL
5505 - Acenaphthylene	EPA 625.1	10300024	NELAP	FL
7025 - Aldrin	EPA 625.1	10300024	NELAP	FL
5555 - Anthracene	EPA 625.1	10300024	NELAP	FL
5570 - Benzaldehyde	EPA 625.1	10300024	NELAP	FL
5595 - Benzidine	EPA 625.1	10300024	NELAP	FL
5575 - Benzo(a)anthracene	EPA 625.1	10300024	NELAP	FL
5580 - Benzo(a)pyrene	EPA 625.1	10300024	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 625.1	10300024	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 625.1	10300024	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 625.1	10300024	NELAP	FL
5640 - Biphenyl (1,1'-Biphenyl)	EPA 625.1	10300024	NELAP	FL
5780 - Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	EPA 625.1	10300024	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 625.1	10300024	NELAP	FL
7250 - Chlordane (tech.)	EPA 625.1	10300024	NELAP	FL
5855 - Chrysene	EPA 625.1	10300024	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 625.1	10300024	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 625.1	10300024	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 625.1	10300024	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 625.1	10300024	NELAP	FL
7470 - Dieldrin	EPA 625.1	10300024	NELAP	FL
6070 - Diethyl phthalate	EPA 625.1	10300024	NELAP	FL
6135 - Dimethyl phthalate	EPA 625.1	10300024	NELAP	FL
7510 - Endosulfan I	EPA 625.1	10300024	NELAP	FL
7515 - Endosulfan II	EPA 625.1	10300024	NELAP	FL
7520 - Endosulfan sulfate	EPA 625.1	10300024	NELAP	FL
7540 - Endrin	EPA 625.1	10300024	NELAP	FL
7530 - Endrin aldehyde	EPA 625.1	10300024	NELAP	FL
6265 - Fluoranthene	EPA 625.1	10300024	NELAP	FL
6270 - Fluorene	EPA 625.1	10300024	NELAP	FL
7685 - Heptachlor	EPA 625.1	10300024	NELAP	FL
7690 - Heptachlor epoxide	EPA 625.1	10300024	NELAP	FL
6275 - Hexachlorobenzene	EPA 625.1	10300024	NELAP	FL
4835 - Hexachlorobutadiene	EPA 625.1	10300024	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 625.1	10300024	NELAP	FL
4840 - Hexachloroethane	EPA 625.1	10300024	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 625.1	10300024	NELAP	FL
6320 - Isophorone	EPA 625.1	10300024	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
7810 - Methoxychlor	EPA 625.1	10300024	NELAP	FL
5005 - Naphthalene	EPA 625.1	10300024	NELAP	FL
5015 - Nitrobenzene	EPA 625.1	10300024	NELAP	FL
6590 - Pentachlorobenzene	EPA 625.1	10300024	NELAP	FL
6605 - Pentachlorophenol	EPA 625.1	10300024	NELAP	FL
6615 - Phenanthrene	EPA 625.1	10300024	NELAP	FL
6625 - Phenol	EPA 625.1	10300024	NELAP	FL
6665 - Pyrene	EPA 625.1	10300024	NELAP	FL
5095 - Pyridine	EPA 625.1	10300024	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 625.1	10300024	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 625.1	10300024	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 625.1	10300024	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 625.1	10300024	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 625.1	10300024	NELAP	FL
7105 - delta-BHC	EPA 625.1	10300024	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 625.1	10300024	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 625.1	10300024	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 625.1	10300024	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 625.1	10300024	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 625.1	10300024	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 625.1	10300024	NELAP	FL
9369 - Diesel range organics (DRO)	EPA 8015D	10305609	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015D	10305609	NELAP	FL
6748 - Oil-Range Organics (ORO)	EPA 8015D	10305609	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 8260C	10307003	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260C	10307003	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260C	10307003	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260C	10307003	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260C	10307003	NELAP	FL
9557 - 1,1-dimethylethyl ester (tert-Butyl Formate)	EPA 8260C	10307003	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260C	10307003	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260C	10307003	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260C	10307003	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260C	10307003	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260C	10307003	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4656 - 1,2-Diethylbenzene	EPA 8260C	10307003	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260C	10307003	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260C	10307003	NELAP	FL
4510 - 1-Chlorohexane	EPA 8260C	10307003	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260C	10307003	NELAP	FL
100099 - 2-Chloropropene	EPA 8260C	10307003	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260C	10307003	NELAP	FL
4860 - 2-Hexanone	EPA 8260C	10307003	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260C	10307003	NELAP	FL
5020 - 2-Nitropropane	EPA 8260C	10307003	NELAP	FL
4368 - 2-methyl-2-butanol (tert-Amyl alcohol)	EPA 8260C	10307003	NELAP	FL
6103 - 3,3-dimethyl-1-butanol	EPA 8260C	10307003	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260C	10307003	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260C	10307003	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260C	10307003	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	NELAP	FL
4315 - Acetone	EPA 8260C	10307003	NELAP	FL
4320 - Acetonitrile	EPA 8260C	10307003	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260C	10307003	NELAP	FL
4340 - Acrylonitrile	EPA 8260C	10307003	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260C	10307003	NELAP	FL
4375 - Benzene	EPA 8260C	10307003	NELAP	FL
5635 - Benzyl chloride	EPA 8260C	10307003	NELAP	FL
4385 - Bromobenzene	EPA 8260C	10307003	NELAP	FL
4390 - Bromochloromethane	EPA 8260C	10307003	NELAP	FL
4395 - Bromodichloromethane	EPA 8260C	10307003	NELAP	FL
4400 - Bromoform	EPA 8260C	10307003	NELAP	FL
4450 - Carbon disulfide	EPA 8260C	10307003	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260C	10307003	NELAP	FL
4475 - Chlorobenzene	EPA 8260C	10307003	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260C	10307003	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260C	10307003	NELAP	FL
4505 - Chloroform	EPA 8260C	10307003	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260C	10307003	NELAP	FL
4555 - Cyclohexane	EPA 8260C	10307003	NELAP	FL
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260C	10307003	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260C	10307003	NELAP	FL
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260C	10307003	NELAP	FL
4725 - Diethyl ether	EPA 8260C	10307003	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260C	10307003	NELAP	FL
4750 - Ethanol	EPA 8260C	10307003	NELAP	FL
4755 - Ethyl acetate	EPA 8260C	10307003	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260C	10307003	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260C	10307003	NELAP	FL
4765 - Ethylbenzene	EPA 8260C	10307003	NELAP	FL
4795 - Ethylene oxide	EPA 8260C	10307003	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260C	10307003	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
4870 - Iodomethane (Methyl iodide)	EPA 8260C	10307003	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	NELAP	FL
100145 - Isopropyl Ether	EPA 8260C	10307003	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260C	10307003	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260C	10307003	NELAP	FL
4925 - Methacrylonitrile	EPA 8260C	10307003	NELAP	FL
4940 - Methyl acetate	EPA 8260C	10307003	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260C	10307003	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260C	10307003	NELAP	FL
4990 - Methyl methacrylate	EPA 8260C	10307003	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	NELAP	FL
4965 - Methylcyclohexane	EPA 8260C	10307003	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260C	10307003	NELAP	FL
5005 - Naphthalene	EPA 8260C	10307003	NELAP	FL
5035 - Pentachloroethane	EPA 8260C	10307003	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260C	10307003	NELAP	FL
9579 - Propylene oxide	EPA 8260C	10307003	NELAP	FL
5100 - Styrene	EPA 8260C	10307003	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260C	10307003	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260C	10307003	NELAP	FL
5140 - Toluene	EPA 8260C	10307003	NELAP	FL
5170 - Trichloroethylene (Trichloroethylene)	EPA 8260C	10307003	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260C	10307003	NELAP	FL
5225 - Vinyl acetate	EPA 8260C	10307003	NELAP	FL
5235 - Vinyl chloride	EPA 8260C	10307003	NELAP	FL
5260 - Xylene (total)	EPA 8260C	10307003	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 8260C	10307003	NELAP	FL
5240 - m+p-xylene	EPA 8260C	10307003	NELAP	FL
4676 - m-Diethylbenzene (1,3-Diethylbenzene)	EPA 8260C	10307003	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260C	10307003	NELAP	FL
4435 - n-Butylbenzene	EPA 8260C	10307003	NELAP	FL
4825 - n-Heptane	EPA 8260C	10307003	NELAP	FL
4855 - n-Hexane	EPA 8260C	10307003	NELAP	FL
5090 - n-Propylbenzene	EPA 8260C	10307003	NELAP	FL
5250 - o-Xylene	EPA 8260C	10307003	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260C	10307003	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260C	10307003	NELAP	FL
4420 - tert-Butyl alcohol	EPA 8260C	10307003	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260C	10307003	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260C	10307003	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260C	10307003	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260C SIM	10307105	NELAP	FL
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260D	10307127	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 8260D	10307127	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260D	10307127	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260D	10307127	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260D	10307127	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260D	10307127	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260D	10307127	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260D	10307127	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260D	10307127	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	10307127	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260D	10307127	NELAP	FL
6800 - 1,3,5-Trichlorobenzene	EPA 8260D	10307127	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260D	10307127	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260D	10307127	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260D	10307127	NELAP	FL
4510 - 1-Chlorohexane	EPA 8260D	10307127	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260D	10307127	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260D	10307127	NELAP	FL
4535 - 2-Chlorotoluene	EPA 8260D	10307127	NELAP	FL
4860 - 2-Hexanone	EPA 8260D	10307127	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260D	10307127	NELAP	FL
5020 - 2-Nitropropane	EPA 8260D	10307127	NELAP	FL
6103 - 3,3-Dimethyl-1-butanol	EPA 8260D	10307127	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260D	10307127	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260D	10307127	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260D	10307127	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	NELAP	FL
4315 - Acetone	EPA 8260D	10307127	NELAP	FL
4320 - Acetonitrile	EPA 8260D	10307127	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260D	10307127	NELAP	FL
4340 - Acrylonitrile	EPA 8260D	10307127	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	NELAP	FL
4375 - Benzene	EPA 8260D	10307127	NELAP	FL
5635 - Benzyl chloride	EPA 8260D	10307127	NELAP	FL
4385 - Bromobenzene	EPA 8260D	10307127	NELAP	FL
4390 - Bromochloromethane	EPA 8260D	10307127	NELAP	FL
4395 - Bromodichloromethane	EPA 8260D	10307127	NELAP	FL
4400 - Bromoform	EPA 8260D	10307127	NELAP	FL
4450 - Carbon disulfide	EPA 8260D	10307127	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260D	10307127	NELAP	FL
4475 - Chlorobenzene	EPA 8260D	10307127	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260D	10307127	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260D	10307127	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
4505 - Chloroform	EPA 8260D	10307127	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260D	10307127	NELAP	FL
4555 - Cyclohexane	EPA 8260D	10307127	NELAP	FL
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260D	10307127	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260D	10307127	NELAP	FL
4725 - Diethyl ether	EPA 8260D	10307127	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260D	10307127	NELAP	FL
4750 - Ethanol	EPA 8260D	10307127	NELAP	FL
4755 - Ethyl acetate	EPA 8260D	10307127	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260D	10307127	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260D	10307127	NELAP	FL
4765 - Ethylbenzene	EPA 8260D	10307127	NELAP	FL
4795 - Ethylene oxide	EPA 8260D	10307127	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260D	10307127	NELAP	FL
4870 - Iodomethane (Methyl iodide)	EPA 8260D	10307127	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260D	10307127	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260D	10307127	NELAP	FL
4925 - Methacrylonitrile	EPA 8260D	10307127	NELAP	FL
4940 - Methyl acetate	EPA 8260D	10307127	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260D	10307127	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260D	10307127	NELAP	FL
4990 - Methyl methacrylate	EPA 8260D	10307127	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	NELAP	FL
4965 - Methylcyclohexane	EPA 8260D	10307127	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260D	10307127	NELAP	FL
5005 - Naphthalene	EPA 8260D	10307127	NELAP	FL
5015 - Nitrobenzene	EPA 8260D	10307127	NELAP	FL
5035 - Pentachloroethane	EPA 8260D	10307127	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260D	10307127	NELAP	FL
9579 - Propylene oxide	EPA 8260D	10307127	NELAP	FL
5100 - Styrene	EPA 8260D	10307127	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260D	10307127	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260D	10307127	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260D	10307127	NELAP	FL
5140 - Toluene	EPA 8260D	10307127	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260D	10307127	NELAP	FL
5225 - Vinyl acetate	EPA 8260D	10307127	NELAP	FL
5235 - Vinyl chloride	EPA 8260D	10307127	NELAP	FL
5260 - Xylene (total)	EPA 8260D	10307127	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 8260D	10307127	NELAP	FL
5240 - m+p-xylene	EPA 8260D	10307127	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-	EPA 8260D	10307127	NELAP	FL

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## Non Potable Water

Analyte	Method Name	Method Code	Type	AB
Butanol)				
4435 - n-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4855 - n-Hexane	EPA 8260D	10307127	NELAP	FL
5090 - n-Propylbenzene	EPA 8260D	10307127	NELAP	FL
5250 - o-Xylene	EPA 8260D	10307127	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260D	10307127	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4368 - tert-Amyl alcohol (TAA)	EPA 8260D	10307127	NELAP	FL
4420 - tert-Butyl alcohol	EPA 8260D	10307127	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260D	10307127	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	NELAP	FL
1725 - Total, Fixed, and Volatile Residue	SM 2540 G-1997	20005269	NELAP	FL
1605 - Color	SM 2120 B-2001	20039309	NELAP	FL
1605 - Color	SM 2120 B-2011	20039310	NELAP	FL
1505 - Alkalinity as CaCO <sub>3</sub>	SM 2320 B-97, Online Edition	20045607	NELAP	FL
1505 - Alkalinity as CaCO <sub>3</sub>	SM 2320 B-2011	20045618	NELAP	FL
1760 - Hardness (calc.)	SM 2340 B-97, Online Edition	20046600	NELAP	FL
1760 - Hardness (calc.)	SM 2340 B-2011	20046611	NELAP	FL
2055 - Turbidity	SM 2130 B-2001	20048219	NELAP	FL
2055 - Turbidity	SM 2130 B-2011	20048220	NELAP	FL
1610 - Conductivity	SM 2510 B-97, Online Edition	20048606	NELAP	FL
1610 - Conductivity	SM 2510 B-2011	20048617	NELAP	FL
1950 - Residue-total	SM 2540 B-97, Online Edition	20049405	NELAP	FL
1950 - Residue-total	SM 2540 B-2011	20049416	NELAP	FL
1955 - Residue-filterable (TDS)	SM 2540 C-97, Online Edition	20050402	NELAP	FL
1955 - Residue-filterable (TDS)	SM 2540 C-2011	20050413	NELAP	FL
1960 - Residue-nonfilterable (TSS)	SM 2540 D-97, Online Edition	20051201	NELAP	FL
1960 - Residue-nonfilterable (TSS)	SM 2540 D-2011	20051212	NELAP	FL
1970 - Residue-volatile	SM 2540 E-1997	20051585	NELAP	FL
1970 - Residue-volatile	SM 2540 E-2011	20051596	NELAP	FL
1965 - Residue-settleable	SM 2540 F-2011	20052215	NELAP	FL
1045 - Chromium VI	SM 3500-Cr B-2009	20066255	NELAP	FL
1070 - Iron	SM 3500-Fe B-97, Online Edition	20069005	NELAP	FL
1575 - Chloride	SM 4500-Cl <sup>-</sup> E-97, Online Edition	20086800	NELAP	FL
1575 - Chloride	SM 4500-Cl <sup>-</sup> E-2011	20086811	NELAP	FL
1635 - Cyanide	SM 4500-CN <sup>-</sup> E-1999	20096417	NELAP	FL
1645 - Total Cyanide	SM 4500-CN <sup>-</sup> E-1999	20096417	NELAP	FL
1635 - Cyanide	SM 4500-CN <sup>-</sup> E-2011	20096428	NELAP	FL
1645 - Total Cyanide	SM 4500-CN <sup>-</sup> E-2011	20096428	NELAP	FL
1510 - Amenable cyanide	SM 4500-CN <sup>-</sup> G-1999	20097216	NELAP	FL
1730 - Fluoride	SM 4500-F <sup>-</sup> C-97, Online Edition	20102403	NELAP	FL
1730 - Fluoride	SM 4500-F <sup>-</sup> C-2011	20102414	NELAP	FL
1900 - pH	SM 4500-H <sup>+</sup> B-2000	20105219	NELAP	FL
1900 - pH	SM 4500-H <sup>+</sup> B-2011	20105220	NELAP	FL
1515 - Ammonia as N	SM 4500-NH <sub>3</sub> H-97, Online Edition	20112203	NELAP	FL
1515 - Ammonia as N	SM 4500-NH <sub>3</sub> H-2011	20112214	NELAP	FL
1840 - Nitrite as N	SM 4500-NO <sub>2</sub> <sup>-</sup> B-2000	20113104	NELAP	FL
1840 - Nitrite as N	SM 4500-NO <sub>2</sub> <sup>-</sup> B-2011	20113115	NELAP	FL
1810 - Nitrate as N	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2000	20117617	NELAP	FL
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2000	20117617	NELAP	FL
1810 - Nitrate as N	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	NELAP	FL
1820 - Nitrate-Nitrite	SM 4500-NO <sub>3</sub> <sup>-</sup> F-2011	20117628	NELAP	FL
1870 - Orthophosphate as P	SM 4500-P E-1999	20124214	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
1870 - Orthophosphate as P	SM 4500-P E-2011	20124225	NELAP	FL
2005 - Sulfide	SM 4500-S2 <sup>-</sup> D-2000	20125853	NELAP	FL
2005 - Sulfide	SM 4500-S2 <sup>-</sup> D-2011	20125864	NELAP	FL
2000 - Sulfate	SM 4500-SO4 <sup>-</sup> E-2011	20132461	NELAP	FL
1530 - Biochemical oxygen demand	SM 5210 B-2001	20135255	NELAP	FL
1555 - Carbonaceous BOD, CBOD	SM 5210 B-2001	20135255	NELAP	FL
1530 - Biochemical oxygen demand	SM 5210 B-2011	20135266	NELAP	FL
1555 - Carbonaceous BOD, CBOD	SM 5210 B-2011	20135266	NELAP	FL
1565 - Chemical oxygen demand	SM 5220 D-97, Online Edition	20136805	NELAP	FL
1565 - Chemical oxygen demand	SM 5220 D-2011	20136816	NELAP	FL
2040 - Total Organic Carbon	SM 5310 B-2000	20137819	NELAP	FL
2040 - Total Organic Carbon	SM 5310 B-2011	20137820	NELAP	FL
2025 - Surfactants - MBAS	SM 5540 C-2000	20145055	NELAP	FL
2025 - Surfactants - MBAS	SM 5540 C-2011	20145066	NELAP	FL
2500 - Total coliforms	SM 9222 B (M-Endo)-97, Online Edition	20207403	NELAP	FL
2530 - Fecal coliforms	SM 9222 D (m-FC)-97, Online Edition	20210008	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	FL PRO, Rev.1	90015808	NELAP	FL
4375 - Benzene	IDNR OA-1	90016403	NELAP	FL
4765 - Ethylbenzene	IDNR OA-1	90016403	NELAP	FL
9408 - Gasoline range organics (GRO)	IDNR OA-1	90016403	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	IDNR OA-1	90016403	NELAP	FL
5140 - Toluene	IDNR OA-1	90016403	NELAP	FL
5260 - Xylene (total)	IDNR OA-1	90016403	NELAP	FL
9369 - Diesel range organics (DRO)	IDNR OA-2	90016607	NELAP	FL
9369 - Diesel range organics (DRO)	MA DEP EPH, Rev.1.1	90017202	NELAP	FL
9408 - Gasoline range organics (GRO)	MA DEP VPH, Rev.1.1	90017406	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1005, Rev.3	90019208	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1006	90019220	NELAP	FL

## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
100278 - Extractable Petroleum Hydrocarbons (EPH)	TN EPH	2055	NELAP	FL
100259 - Total Petroleum Hydrocarbons (Gasoline Range)	TN GRO	2345	NELAP	FL
1923 - Reactive Cyanide	EPA 7.3.3.2	10001204	NELAP	FL
1925 - Reactive sulfide	EPA 7.3.4.2	10001408	NELAP	FL
1515 - Ammonia as N	EPA 350.1, Rev.2	10063602	NELAP	FL
1466 - Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	10118806	NELAP	FL
1460 - Synthetic Precipitation Leaching Procedure	EPA 1312	10119003	NELAP	FL
1400 - Acid Digestion of Sediments, Sludges, and soils	EPA 3050B	10135601	NELAP	LA
1402 - Alkaline Digestion for Hexavalent Chromium	EPA 3060A	10136604	NELAP	FL
1468 - Ultrasonic Extraction	EPA 3550C	10142004	NELAP	LA
1470 - Waste Dilution	EPA 3580A	10143007	NELAP	FL
1456 - Sulfur Clean-Up	EPA 3660B	10148400	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
2020 - Sulfuric acid/permanganate clean-up	EPA 3665A	10148808	NELAP	FL
1408 - Bomb Preparation Method for Solid Waste	EPA 5050	10155007	NELAP	FL
1000 - Aluminum	EPA 6010B	10155609	NELAP	FL
1005 - Antimony	EPA 6010B	10155609	NELAP	FL
1010 - Arsenic	EPA 6010B	10155609	NELAP	FL
1015 - Barium	EPA 6010B	10155609	NELAP	FL
1020 - Beryllium	EPA 6010B	10155609	NELAP	FL
1025 - Boron	EPA 6010B	10155609	NELAP	FL
1030 - Cadmium	EPA 6010B	10155609	NELAP	FL
1035 - Calcium	EPA 6010B	10155609	NELAP	FL
1040 - Chromium	EPA 6010B	10155609	NELAP	FL
1050 - Cobalt	EPA 6010B	10155609	NELAP	FL
1055 - Copper	EPA 6010B	10155609	NELAP	FL
1070 - Iron	EPA 6010B	10155609	NELAP	FL
1075 - Lead	EPA 6010B	10155609	NELAP	FL
1080 - Lithium	EPA 6010B	10155609	NELAP	FL
1085 - Magnesium	EPA 6010B	10155609	NELAP	FL
1090 - Manganese	EPA 6010B	10155609	NELAP	FL
1100 - Molybdenum	EPA 6010B	10155609	NELAP	FL
1105 - Nickel	EPA 6010B	10155609	NELAP	FL
1125 - Potassium	EPA 6010B	10155609	NELAP	FL
1140 - Selenium	EPA 6010B	10155609	NELAP	FL
1150 - Silver	EPA 6010B	10155609	NELAP	FL
1155 - Sodium	EPA 6010B	10155609	NELAP	FL
1160 - Strontium	EPA 6010B	10155609	NELAP	FL
1165 - Thallium	EPA 6010B	10155609	NELAP	FL
1175 - Tin	EPA 6010B	10155609	NELAP	FL
1180 - Titanium	EPA 6010B	10155609	NELAP	FL
1185 - Vanadium	EPA 6010B	10155609	NELAP	FL
1190 - Zinc	EPA 6010B	10155609	NELAP	FL
1000 - Aluminum	EPA 6010C	10155803	NELAP	FL
1005 - Antimony	EPA 6010C	10155803	NELAP	FL
1010 - Arsenic	EPA 6010C	10155803	NELAP	FL
1015 - Barium	EPA 6010C	10155803	NELAP	FL
1020 - Beryllium	EPA 6010C	10155803	NELAP	FL
1025 - Boron	EPA 6010C	10155803	NELAP	FL
1030 - Cadmium	EPA 6010C	10155803	NELAP	FL
1035 - Calcium	EPA 6010C	10155803	NELAP	FL
1040 - Chromium	EPA 6010C	10155803	NELAP	FL
1050 - Cobalt	EPA 6010C	10155803	NELAP	FL
1055 - Copper	EPA 6010C	10155803	NELAP	FL
1070 - Iron	EPA 6010C	10155803	NELAP	FL
1075 - Lead	EPA 6010C	10155803	NELAP	FL
1080 - Lithium	EPA 6010C	10155803	NELAP	FL
1085 - Magnesium	EPA 6010C	10155803	NELAP	FL
1090 - Manganese	EPA 6010C	10155803	NELAP	FL
1100 - Molybdenum	EPA 6010C	10155803	NELAP	FL
1105 - Nickel	EPA 6010C	10155803	NELAP	FL
1125 - Potassium	EPA 6010C	10155803	NELAP	FL
1140 - Selenium	EPA 6010C	10155803	NELAP	FL
1150 - Silver	EPA 6010C	10155803	NELAP	FL
1155 - Sodium	EPA 6010C	10155803	NELAP	FL
1160 - Strontium	EPA 6010C	10155803	NELAP	FL
1165 - Thallium	EPA 6010C	10155803	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
1175 - Tin	EPA 6010C	10155803	NELAP	FL
1180 - Titanium	EPA 6010C	10155803	NELAP	FL
1185 - Vanadium	EPA 6010C	10155803	NELAP	FL
1190 - Zinc	EPA 6010C	10155803	NELAP	FL
1000 - Aluminum	EPA 6010D	10155949	NELAP	FL
1005 - Antimony	EPA 6010D	10155949	NELAP	FL
1010 - Arsenic	EPA 6010D	10155949	NELAP	FL
1015 - Barium	EPA 6010D	10155949	NELAP	FL
1020 - Beryllium	EPA 6010D	10155949	NELAP	FL
1025 - Boron	EPA 6010D	10155949	NELAP	FL
1030 - Cadmium	EPA 6010D	10155949	NELAP	FL
1035 - Calcium	EPA 6010D	10155949	NELAP	FL
1040 - Chromium	EPA 6010D	10155949	NELAP	FL
1050 - Cobalt	EPA 6010D	10155949	NELAP	FL
1055 - Copper	EPA 6010D	10155949	NELAP	FL
1070 - Iron	EPA 6010D	10155949	NELAP	FL
1075 - Lead	EPA 6010D	10155949	NELAP	FL
1080 - Lithium	EPA 6010D	10155949	NELAP	FL
1085 - Magnesium	EPA 6010D	10155949	NELAP	FL
1090 - Manganese	EPA 6010D	10155949	NELAP	FL
1100 - Molybdenum	EPA 6010D	10155949	NELAP	FL
1105 - Nickel	EPA 6010D	10155949	NELAP	FL
1125 - Potassium	EPA 6010D	10155949	NELAP	FL
1140 - Selenium	EPA 6010D	10155949	NELAP	FL
1150 - Silver	EPA 6010D	10155949	NELAP	FL
1155 - Sodium	EPA 6010D	10155949	NELAP	FL
1160 - Strontium	EPA 6010D	10155949	NELAP	FL
1165 - Thallium	EPA 6010D	10155949	NELAP	FL
1175 - Tin	EPA 6010D	10155949	NELAP	FL
1180 - Titanium	EPA 6010D	10155949	NELAP	FL
1185 - Vanadium	EPA 6010D	10155949	NELAP	FL
1190 - Zinc	EPA 6010D	10155949	NELAP	FL
1000 - Aluminum	EPA 6020	10156000	NELAP	FL
1005 - Antimony	EPA 6020	10156000	NELAP	FL
1010 - Arsenic	EPA 6020	10156000	NELAP	FL
1015 - Barium	EPA 6020	10156000	NELAP	FL
1020 - Beryllium	EPA 6020	10156000	NELAP	FL
1025 - Boron	EPA 6020	10156000	NELAP	FL
1030 - Cadmium	EPA 6020	10156000	NELAP	FL
1040 - Chromium	EPA 6020	10156000	NELAP	FL
1050 - Cobalt	EPA 6020	10156000	NELAP	FL
1055 - Copper	EPA 6020	10156000	NELAP	FL
1070 - Iron	EPA 6020	10156000	NELAP	FL
1075 - Lead	EPA 6020	10156000	NELAP	FL
1080 - Lithium	EPA 6020	10156000	NELAP	FL
1085 - Magnesium	EPA 6020	10156000	NELAP	FL
1090 - Manganese	EPA 6020	10156000	NELAP	FL
1100 - Molybdenum	EPA 6020	10156000	NELAP	FL
1105 - Nickel	EPA 6020	10156000	NELAP	FL
1125 - Potassium	EPA 6020	10156000	NELAP	FL
1140 - Selenium	EPA 6020	10156000	NELAP	FL
1150 - Silver	EPA 6020	10156000	NELAP	FL
1155 - Sodium	EPA 6020	10156000	NELAP	FL
1160 - Strontium	EPA 6020	10156000	NELAP	FL
1165 - Thallium	EPA 6020	10156000	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
1175 - Tin	EPA 6020	10156000	NELAP	FL
1180 - Titanium	EPA 6020	10156000	NELAP	FL
1185 - Vanadium	EPA 6020	10156000	NELAP	FL
1190 - Zinc	EPA 6020	10156000	NELAP	FL
1000 - Aluminum	EPA 6020B	10156420	NELAP	FL
1005 - Antimony	EPA 6020B	10156420	NELAP	FL
1010 - Arsenic	EPA 6020B	10156420	NELAP	FL
1015 - Barium	EPA 6020B	10156420	NELAP	FL
1020 - Beryllium	EPA 6020B	10156420	NELAP	FL
1025 - Boron	EPA 6020B	10156420	NELAP	FL
1030 - Cadmium	EPA 6020B	10156420	NELAP	FL
1040 - Chromium	EPA 6020B	10156420	NELAP	FL
1050 - Cobalt	EPA 6020B	10156420	NELAP	FL
1055 - Copper	EPA 6020B	10156420	NELAP	FL
1070 - Iron	EPA 6020B	10156420	NELAP	FL
1075 - Lead	EPA 6020B	10156420	NELAP	FL
1080 - Lithium	EPA 6020B	10156420	NELAP	FL
1085 - Magnesium	EPA 6020B	10156420	NELAP	FL
1090 - Manganese	EPA 6020B	10156420	NELAP	FL
1105 - Nickel	EPA 6020B	10156420	NELAP	FL
1125 - Potassium	EPA 6020B	10156420	NELAP	FL
1140 - Selenium	EPA 6020B	10156420	NELAP	FL
1150 - Silver	EPA 6020B	10156420	NELAP	FL
1155 - Sodium	EPA 6020B	10156420	NELAP	FL
1160 - Strontium	EPA 6020B	10156420	NELAP	FL
1165 - Thallium	EPA 6020B	10156420	NELAP	FL
1175 - Tin	EPA 6020B	10156420	NELAP	FL
1180 - Titanium	EPA 6020B	10156420	NELAP	FL
1185 - Vanadium	EPA 6020B	10156420	NELAP	FL
1190 - Zinc	EPA 6020B	10156420	NELAP	FL
1045 - Chromium VI	EPA 7196A	10162400	NELAP	FL
1095 - Mercury	EPA 7471A	10166208	NELAP	FL
1095 - Mercury	EPA 7471B	10166402	NELAP	FL
9322 - 2-Butoxyethanol	EPA 8015B	10173601	NELAP	FL
5866 - 2-Ethoxyethanol (cellosolve)	EPA 8015B	10173601	NELAP	FL
4935 - 2-Methoxyethanol (Methyl cellosolve)	EPA 8015B	10173601	NELAP	FL
9608 - 2-Propoxyethanol (Propyl cellosolve)	EPA 8015B	10173601	NELAP	FL
9369 - Diesel range organics (DRO)	EPA 8015B	10173601	NELAP	FL
4720 - Diethylene glycol	EPA 8015B	10173601	NELAP	FL
9388 - Dipropylene Glycol	EPA 8015B	10173601	NELAP	FL
4785 - Ethylene glycol	EPA 8015B	10173601	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015B	10173601	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8015B	10173601	NELAP	FL
4930 - Methanol	EPA 8015B	10173601	NELAP	FL
6748 - Oil-Range Organics (ORO)	EPA 8015B	10173601	NELAP	LA
6657 - Propylene Glycol	EPA 8015B	10173601	NELAP	FL
9646 - Triethylene Glycol	EPA 8015B	10173601	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8015B	10173601	NELAP	FL
5055 - n-Propanol (1-Propanol)	EPA 8015B	10173601	NELAP	FL
9369 - Diesel range organics (DRO)	EPA 8015C	10173805	NELAP	FL
4785 - Ethylene glycol	EPA 8015C	10173805	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015C	10173805	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6748 - Oil-Range Organics (ORO)	EPA 8015C	10173805	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8021B	10174808	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8021B	10174808	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8021B	10174808	NELAP	FL
4375 - Benzene	EPA 8021B	10174808	NELAP	FL
4475 - Chlorobenzene	EPA 8021B	10174808	NELAP	FL
4765 - Ethylbenzene	EPA 8021B	10174808	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8021B	10174808	NELAP	FL
5005 - Naphthalene	EPA 8021B	10174808	NELAP	FL
5140 - Toluene	EPA 8021B	10174808	NELAP	FL
5260 - Xylene (total)	EPA 8021B	10174808	NELAP	FL
7355 - 4,4'-DDD	EPA 8081A	10178606	NELAP	FL
7360 - 4,4'-DDE	EPA 8081A	10178606	NELAP	FL
7365 - 4,4'-DDT	EPA 8081A	10178606	NELAP	FL
7025 - Aldrin	EPA 8081A	10178606	NELAP	FL
7250 - Chlordane (tech.)	EPA 8081A	10178606	NELAP	FL
7260 - Chlorobenzilate	EPA 8081A	10178606	NELAP	FL
7470 - Dieldrin	EPA 8081A	10178606	NELAP	FL
7510 - Endosulfan I	EPA 8081A	10178606	NELAP	FL
7515 - Endosulfan II	EPA 8081A	10178606	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081A	10178606	NELAP	FL
7540 - Endrin	EPA 8081A	10178606	NELAP	FL
7530 - Endrin aldehyde	EPA 8081A	10178606	NELAP	FL
7535 - Endrin ketone	EPA 8081A	10178606	NELAP	FL
7685 - Heptachlor	EPA 8081A	10178606	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081A	10178606	NELAP	FL
6275 - Hexachlorobenzene	EPA 8081A	10178606	NELAP	FL
7725 - Isodrin	EPA 8081A	10178606	NELAP	FL
7810 - Methoxychlor	EPA 8081A	10178606	NELAP	FL
7870 - Mirex	EPA 8081A	10178606	NELAP	FL
8045 - Propachlor (Ramrod)	EPA 8081A	10178606	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 8081A	10178606	NELAP	FL
8295 - Trifluralin (Treflan)	EPA 8081A	10178606	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7240 - alpha-Chlordane	EPA 8081A	10178606	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7105 - delta-BHC	EPA 8081A	10178606	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-HexachlorocyclohexaneE)	EPA 8081A	10178606	NELAP	FL
7245 - gamma-Chlordane	EPA 8081A	10178606	NELAP	FL
7355 - 4,4'-DDD	EPA 8081B	10178800	NELAP	FL
7360 - 4,4'-DDE	EPA 8081B	10178800	NELAP	FL
7365 - 4,4'-DDT	EPA 8081B	10178800	NELAP	FL
7025 - Aldrin	EPA 8081B	10178800	NELAP	FL
7250 - Chlordane (tech.)	EPA 8081B	10178800	NELAP	FL
7260 - Chlorobenzilate	EPA 8081B	10178800	NELAP	FL
7470 - Dieldrin	EPA 8081B	10178800	NELAP	FL
7510 - Endosulfan I	EPA 8081B	10178800	NELAP	FL
7515 - Endosulfan II	EPA 8081B	10178800	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081B	10178800	NELAP	FL
7540 - Endrin	EPA 8081B	10178800	NELAP	FL
7530 - Endrin aldehyde	EPA 8081B	10178800	NELAP	FL
7535 - Endrin ketone	EPA 8081B	10178800	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
7685 - Heptachlor	EPA 8081B	10178800	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081B	10178800	NELAP	FL
6275 - Hexachlorobenzene	EPA 8081B	10178800	NELAP	FL
7725 - Isodrin	EPA 8081B	10178800	NELAP	FL
7810 - Methoxychlor	EPA 8081B	10178800	NELAP	FL
7870 - Mirex	EPA 8081B	10178800	NELAP	FL
8045 - Propachlor (Ramrod)	EPA 8081B	10178800	NELAP	FL
8250 - Toxaphene (Chlorinated camphene)	EPA 8081B	10178800	NELAP	FL
8295 - Trifluralin (Treflan)	EPA 8081B	10178800	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7240 - alpha-Chlordane	EPA 8081B	10178800	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7105 - delta-BHC	EPA 8081B	10178800	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-HexachlorocyclohexaneE)	EPA 8081B	10178800	NELAP	FL
7245 - gamma-Chlordane	EPA 8081B	10178800	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082	10179007	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 8082	10179007	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 8082	10179007	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 8082	10179007	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 8082	10179007	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 8082	10179007	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082	10179007	NELAP	FL
8912 - Aroclor-1262 (PCB-1262)	EPA 8082	10179007	NELAP	FL
8913 - Aroclor-1268 (PCB-1268)	EPA 8082	10179007	NELAP	FL
8870 - PCBs	EPA 8082	10179007	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082A	10179201	NELAP	FL
8885 - Aroclor-1221 (PCB-1221)	EPA 8082A	10179201	NELAP	FL
8890 - Aroclor-1232 (PCB-1232)	EPA 8082A	10179201	NELAP	FL
8895 - Aroclor-1242 (PCB-1242)	EPA 8082A	10179201	NELAP	FL
8900 - Aroclor-1248 (PCB-1248)	EPA 8082A	10179201	NELAP	FL
8905 - Aroclor-1254 (PCB-1254)	EPA 8082A	10179201	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082A	10179201	NELAP	FL
8912 - Aroclor-1262 (PCB-1262)	EPA 8082A	10179201	NELAP	FL
8913 - Aroclor-1268 (PCB-1268)	EPA 8082A	10179201	NELAP	FL
8870 - PCBs	EPA 8082A	10179201	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8091	10179803	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8091	10179803	NELAP	FL
6605 - Pentachlorophenol	EPA 8151	10183003	NELAP	FL
8645 - Picloram	EPA 8151	10183003	NELAP	FL
8655 - 2,4,5-T	EPA 8151A	10183207	NELAP	FL
8545 - 2,4-D	EPA 8151A	10183207	NELAP	FL
8560 - 2,4-DB	EPA 8151A	10183207	NELAP	FL
8555 - Dalapon	EPA 8151A	10183207	NELAP	FL
8595 - Dicamba	EPA 8151A	10183207	NELAP	FL
8605 - Dichloroprop (Dichlorprop)	EPA 8151A	10183207	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	NELAP	FL
7775 - MCPA	EPA 8151A	10183207	NELAP	FL
7780 - MCPP	EPA 8151A	10183207	NELAP	FL
8650 - Silvex (2,4,5-TP)	EPA 8151A	10183207	NELAP	FL
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 8260B	10184802	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260B	10184802	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260B	10184802	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260B	10184802	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260B	10184802	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260B	10184802	NELAP	FL
9557 - 1,1-dimethylethyl ester (tert-Butyl Formate)	EPA 8260B	10184802	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260B	10184802	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260B	10184802	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260B	10184802	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260B	10184802	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	10184802	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260B	10184802	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260B	10184802	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4656 - 1,2-Diethylbenzene	EPA 8260B	10184802	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260B	10184802	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260B	10184802	NELAP	FL
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260B	10184802	NELAP	FL
4510 - 1-Chlorohexane	EPA 8260B	10184802	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260B	10184802	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260B	10184802	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260B	10184802	NELAP	FL
4535 - 2-Chlorotoluene	EPA 8260B	10184802	NELAP	FL
4538 - 2-Ethyltoluene	EPA 8260B	10184802	NELAP	FL
4860 - 2-Hexanone	EPA 8260B	10184802	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260B	10184802	NELAP	FL
5020 - 2-Nitropropane	EPA 8260B	10184802	NELAP	FL
4368 - 2-methyl-2-butanol (tert-Amyl alcohol)	EPA 8260B	10184802	NELAP	FL
6103 - 3,3-dimethyl-1-butanol	EPA 8260B	10184802	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260B	10184802	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260B	10184802	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	FL
4315 - Acetone	EPA 8260B	10184802	NELAP	FL
4320 - Acetonitrile	EPA 8260B	10184802	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	FL
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260B	10184802	NELAP	FL
4375 - Benzene	EPA 8260B	10184802	NELAP	FL
5635 - Benzyl chloride	EPA 8260B	10184802	NELAP	FL
4385 - Bromobenzene	EPA 8260B	10184802	NELAP	FL
4390 - Bromochloromethane	EPA 8260B	10184802	NELAP	FL
4395 - Bromodichloromethane	EPA 8260B	10184802	NELAP	FL
4400 - Bromoform	EPA 8260B	10184802	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
4450 - Carbon disulfide	EPA 8260B	10184802	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260B	10184802	NELAP	FL
4475 - Chlorobenzene	EPA 8260B	10184802	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260B	10184802	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	FL
4505 - Chloroform	EPA 8260B	10184802	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260B	10184802	NELAP	FL
4555 - Cyclohexane	EPA 8260B	10184802	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	FL
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	FL
4725 - Diethyl ether	EPA 8260B	10184802	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260B	10184802	NELAP	FL
4750 - Ethanol	EPA 8260B	10184802	NELAP	FL
4755 - Ethyl acetate	EPA 8260B	10184802	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260B	10184802	NELAP	FL
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	FL
4795 - Ethylene oxide	EPA 8260B	10184802	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260B	10184802	NELAP	FL
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260B	10184802	NELAP	FL
100145 - Isopropyl Ether	EPA 8260B	10184802	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260B	10184802	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260B	10184802	NELAP	FL
4925 - Methacrylonitrile	EPA 8260B	10184802	NELAP	FL
4940 - Methyl acetate	EPA 8260B	10184802	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260B	10184802	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260B	10184802	NELAP	FL
4990 - Methyl methacrylate	EPA 8260B	10184802	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260B	10184802	NELAP	FL
4965 - Methylcyclohexane	EPA 8260B	10184802	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260B	10184802	NELAP	FL
5005 - Naphthalene	EPA 8260B	10184802	NELAP	FL
5035 - Pentachloroethane	EPA 8260B	10184802	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260B	10184802	NELAP	FL
9579 - Propylene oxide	EPA 8260B	10184802	NELAP	FL
5100 - Styrene	EPA 8260B	10184802	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260B	10184802	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260B	10184802	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260B	10184802	NELAP	FL
5140 - Toluene	EPA 8260B	10184802	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 8260B	10184802	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260B	10184802	NELAP	FL
5225 - Vinyl acetate	EPA 8260B	10184802	NELAP	FL
5235 - Vinyl chloride	EPA 8260B	10184802	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
5260 - Xylene (total)	EPA 8260B	10184802	NELAP	FL
4645 - cis- 1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4680 - cis- 1,3- Dichloropropene	EPA 8260B	10184802	NELAP	FL
5240 - m+p-xylene	EPA 8260B	10184802	NELAP	FL
4676 - m-Diethylbenzene (1,3-Diethylbenzene)	EPA 8260B	10184802	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260B	10184802	NELAP	FL
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4825 - n-Heptane	EPA 8260B	10184802	NELAP	FL
4855 - n-Hexane	EPA 8260B	10184802	NELAP	FL
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	FL
5250 - o-Xylene	EPA 8260B	10184802	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260B	10184802	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4420 - tert-Butyl alcohol	EPA 8260B	10184802	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260B	10184802	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260B	10184802	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260B	10184802	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260B	10184802	NELAP	FL
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260B SIM	10184904	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8270C	10185805	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270C	10185805	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270C	10185805	NELAP	FL
6800 - 1,3,5-Trichlorobenzene	EPA 8270C	10185805	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270C	10185805	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270C	10185805	NELAP	FL
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8270C	10185805	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270C	10185805	NELAP	FL
6630 - 1,4-Phenylenediamine	EPA 8270C	10185805	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270C	10185805	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270C	10185805	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270C	10185805	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270C	10185805	NELAP	FL
6014 - 2,3-Dinitrotoluene	EPA 8270C	10185805	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270C	10185805	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270C	10185805	NELAP	FL
5880 - 2,4-Diaminotoluene	EPA 8270C	10185805	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270C	10185805	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270C	10185805	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270C	10185805	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270C	10185805	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270C	10185805	NELAP	FL
5735 - 2-Chloroaniline	EPA 8270C	10185805	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270C	10185805	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270C	10185805	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270C	10185805	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270C	10185805	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270C	10185805	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270C	10185805	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270C	10185805	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270C	10185805	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270C	10185805	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270C	10185805	NELAP	FL
5940 - 3,4-Dichloroaniline	EPA 8270C	10185805	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270C	10185805	NELAP	FL
6465 - 3-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6365 - 4,4'-Methylenebis(2-chloroaniline)	EPA 8270C	10185805	NELAP	FL
5540 - 4-Aminobiphenyl	EPA 8270C	10185805	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270C	10185805	NELAP	FL
5852 - 4-Chloro-2-methylaniline	EPA 8270C	10185805	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270C	10185805	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270C	10185805	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270C	10185805	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270C	10185805	NELAP	FL
6410 - 4-Methylphenol (p-Cresol)	EPA 8270C	10185805	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270C	10185805	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270C	10185805	NELAP	FL
6510 - 4-Nitroquinoline 1-oxide	EPA 8270C	10185805	NELAP	FL
6516 - 4-tert-butyl phenol	EPA 8270C	10185805	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270C	10185805	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270C	10185805	NELAP	FL
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	FL
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	FL
5510 - Acetophenone	EPA 8270C	10185805	NELAP	FL
7035 - Ametryn	EPA 8270C	10185805	NELAP	FL
5545 - Aniline	EPA 8270C	10185805	NELAP	FL
5555 - Anthracene	EPA 8270C	10185805	NELAP	FL
5560 - Aramite	EPA 8270C	10185805	NELAP	FL
7065 - Atrazine	EPA 8270C	10185805	NELAP	FL
5570 - Benzaldehyde	EPA 8270C	10185805	NELAP	FL
5595 - Benzidine	EPA 8270C	10185805	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270C	10185805	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270C	10185805	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270C	10185805	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270C	10185805	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270C	10185805	NELAP	FL
5610 - Benzoic acid	EPA 8270C	10185805	NELAP	FL
5630 - Benzyl alcohol	EPA 8270C	10185805	NELAP	FL
5640 - Biphenyl (1,1'-Biphenyl)	EPA 8270C	10185805	NELAP	FL
5780 - Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	EPA 8270C	10185805	NELAP	FL
7125 - Bolstar (Sulprofos)	EPA 8270C	10185805	NELAP	FL
7130 - Bromacil	EPA 8270C	10185805	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270C	10185805	NELAP	FL
7175 - Butylate	EPA 8270C	10185805	NELAP	FL
7180 - Caprolactam	EPA 8270C	10185805	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
5680 - Carbazole	EPA 8270C	10185805	NELAP	FL
7272 - Chlordimeform	EPA 8270C	10185805	NELAP	FL
7260 - Chlorobenzilate	EPA 8270C	10185805	NELAP	FL
7300 - Chlorpyrifos	EPA 8270C	10185805	NELAP	FL
5855 - Chrysene	EPA 8270C	10185805	NELAP	FL
8906 - Coelution - 3-Chlorophenol + 4-Chlorophenol	EPA 8270C	10185805	NELAP	FL
7315 - Coumaphos	EPA 8270C	10185805	NELAP	FL
7340 - Cyanazine	EPA 8270C	10185805	NELAP	FL
4550 - Cycloate	EPA 8270C	10185805	NELAP	FL
7395 - Demeton-o	EPA 8270C	10185805	NELAP	FL
7385 - Demeton-s	EPA 8270C	10185805	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270C	10185805	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270C	10185805	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270C	10185805	NELAP	FL
7405 - Diallylate	EPA 8270C	10185805	NELAP	FL
9354 - Dibenz(a, h) acridine	EPA 8270C	10185805	NELAP	FL
5900 - Dibenz(a, j)acridine	EPA 8270C	10185805	NELAP	FL
5890 - Dibenzo(a,e)pyrene	EPA 8270C	10185805	NELAP	FL
9348 - Dibenzo(a,h) pyrene	EPA 8270C	10185805	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270C	10185805	NELAP	FL
9351 - Dibenzo(a,i) pyrene	EPA 8270C	10185805	NELAP	FL
5905 - Dibenzofuran	EPA 8270C	10185805	NELAP	FL
8610 - Dichlorovos (DDVP, Dichlorvos)	EPA 8270C	10185805	NELAP	FL
6070 - Diethyl phthalate	EPA 8270C	10185805	NELAP	FL
7475 - Dimethoate	EPA 8270C	10185805	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270C	10185805	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270C	10185805	NELAP	FL
8625 - Disulfoton	EPA 8270C	10185805	NELAP	FL
7550 - EPN	EPA 8270C	10185805	NELAP	FL
7555 - EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 8270C	10185805	NELAP	FL
7565 - Ethion	EPA 8270C	10185805	NELAP	FL
7570 - Ethoprop	EPA 8270C	10185805	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270C	10185805	NELAP	FL
7580 - Farnphur	EPA 8270C	10185805	NELAP	FL
7600 - Fensulfothion	EPA 8270C	10185805	NELAP	FL
7605 - Fenithion	EPA 8270C	10185805	NELAP	FL
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	FL
6270 - Fluorene	EPA 8270C	10185805	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270C	10185805	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270C	10185805	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270C	10185805	NELAP	FL
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	FL
6290 - Hexachlorophene	EPA 8270C	10185805	NELAP	FL
6295 - Hexachloropropene	EPA 8270C	10185805	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	NELAP	FL
7725 - Isodrin	EPA 8270C	10185805	NELAP	FL
6320 - Isophorone	EPA 8270C	10185805	NELAP	FL
6321 - Isoquinoline	EPA 8270C	10185805	NELAP	FL
6325 - Isosafrole	EPA 8270C	10185805	NELAP	FL
7770 - Malathion	EPA 8270C	10185805	NELAP	FL
6345 - Methapyrilene	EPA 8270C	10185805	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6375 - Methyl methanesulfonate	EPA 8270C	10185805	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270C	10185805	NELAP	FL
7845 - Metribuzin	EPA 8270C	10185805	NELAP	FL
7850 - Mevinphos	EPA 8270C	10185805	NELAP	FL
7875 - Molinate	EPA 8270C	10185805	NELAP	FL
7880 - Monocrotophos	EPA 8270C	10185805	NELAP	FL
7905 - Naled	EPA 8270C	10185805	NELAP	FL
5005 - Naphthalene	EPA 8270C	10185805	NELAP	FL
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	FL
7955 - Parathion, ethyl	EPA 8270C	10185805	NELAP	FL
9537 - Pebulate	EPA 8270C	10185805	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270C	10185805	NELAP	FL
6600 - Pentachloronitrobenzene	EPA 8270C	10185805	NELAP	FL
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	FL
6610 - Phenacetin	EPA 8270C	10185805	NELAP	FL
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	FL
6625 - Phenol	EPA 8270C	10185805	NELAP	FL
7985 - Phorate	EPA 8270C	10185805	NELAP	FL
8015 - Profluralin	EPA 8270C	10185805	NELAP	FL
8035 - Prometon	EPA 8270C	10185805	NELAP	FL
8040 - Prometryn	EPA 8270C	10185805	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270C	10185805	NELAP	FL
8060 - Propazine	EPA 8270C	10185805	NELAP	FL
6665 - Pyrene	EPA 8270C	10185805	NELAP	FL
5095 - Pyridine	EPA 8270C	10185805	NELAP	FL
8110 - Ronnel	EPA 8270C	10185805	NELAP	FL
6685 - Saflorle	EPA 8270C	10185805	NELAP	FL
8125 - Simazine	EPA 8270C	10185805	NELAP	FL
8130 - Simetryn	EPA 8270C	10185805	NELAP	FL
100199 - Sulfolane	EPA 8270C	10185805	NELAP	FL
8155 - Sulfotepp	EPA 8270C	10185805	NELAP	FL
8190 - Terbutylazine	EPA 8270C	10185805	NELAP	FL
8195 - Terbutryn (Igran)	EPA 8270C	10185805	NELAP	FL
8200 - Tetrachlorvinphos (Stirophos, Gardona) Z-isomer	EPA 8270C	10185805	NELAP	FL
8210 - Tetraethyl pyrophosphate (TEPP)	EPA 8270C	10185805	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270C	10185805	NELAP	FL
8245 - Tokuthion (Prothiophos)	EPA 8270C	10185805	NELAP	FL
8275 - Trichloronate	EPA 8270C	10185805	NELAP	FL
8320 - Vernolate	EPA 8270C	10185805	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270C	10185805	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270C	10185805	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270C	10185805	NELAP	FL
5010 - n, n-Dimethyl formamide	EPA 8270C	10185805	NELAP	FL
5875 - n-Decane	EPA 8270C	10185805	NELAP	FL
6300 - n-Hexadecane	EPA 8270C	10185805	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270C	10185805	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270C	10185805	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270C	10185805	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270C	10185805	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270C	10185805	NELAP	FL
6550 - n-Nitrosomethylethylamine	EPA 8270C	10185805	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270C	10185805	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270C	10185805	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270C	10185805	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6580 - n-Octadecane	EPA 8270C	10185805	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270C	10185805	NELAP	FL
3960 - o-Phenylphenol	EPA 8270C	10185805	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8270D	10186002	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270D	10186002	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270D	10186002	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270D	10186002	NELAP	FL
6800 - 1,3,5-Trichlorobenzene	EPA 8270D	10186002	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270D	10186002	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270D	10186002	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270D	10186002	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270D	10186002	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270D	10186002	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270D	10186002	NELAP	FL
6630 - 1,4-Phenylenediamine	EPA 8270D	10186002	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270D	10186002	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270D	10186002	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270D	10186002	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270D	10186002	NELAP	FL
6014 - 2,3-Dinitrotoluene	EPA 8270D	10186002	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270D	10186002	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270D	10186002	NELAP	FL
5880 - 2,4-Diaminotoluene	EPA 8270D	10186002	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270D	10186002	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270D	10186002	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270D	10186002	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270D	10186002	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270D	10186002	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270D	10186002	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270D	10186002	NELAP	FL
5735 - 2-Chloroaniline	EPA 8270D	10186002	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270D	10186002	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270D	10186002	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270D	10186002	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270D	10186002	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270D	10186002	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270D	10186002	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270D	10186002	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270D	10186002	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270D	10186002	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270D	10186002	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270D	10186002	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270D	10186002	NELAP	FL
5940 - 3,4-Dichloroaniline	EPA 8270D	10186002	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270D	10186002	NELAP	FL
6465 - 3-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6365 - 4,4'-Methylenebis(2-chloroaniline)	EPA 8270D	10186002	NELAP	FL
5540 - 4-Aminobiphenyl	EPA 8270D	10186002	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270D	10186002	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
5852 - 4-Chloro-2-methylaniline	EPA 8270D	10186002	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270D	10186002	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270D	10186002	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270D	10186002	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270D	10186002	NELAP	FL
6410 - 4-Methylphenol (p-Cresol)	EPA 8270D	10186002	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270D	10186002	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270D	10186002	NELAP	FL
6510 - 4-Nitroquinoline 1-oxide	EPA 8270D	10186002	NELAP	FL
6516 - 4-tert-butyl phenol	EPA 8270D	10186002	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270D	10186002	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270D	10186002	NELAP	FL
5500 - Acenaphthene	EPA 8270D	10186002	NELAP	FL
5505 - Acenaphthylene	EPA 8270D	10186002	NELAP	FL
5510 - Acetophenone	EPA 8270D	10186002	NELAP	FL
7035 - Ametryn	EPA 8270D	10186002	NELAP	FL
5545 - Aniline	EPA 8270D	10186002	NELAP	FL
5555 - Anthracene	EPA 8270D	10186002	NELAP	FL
5560 - Aramite	EPA 8270D	10186002	NELAP	FL
7065 - Atrazine	EPA 8270D	10186002	NELAP	FL
5570 - Benzaldehyde	EPA 8270D	10186002	NELAP	FL
5595 - Benzidine	EPA 8270D	10186002	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270D	10186002	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270D	10186002	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270D	10186002	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270D	10186002	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270D	10186002	NELAP	FL
5610 - Benzoic acid	EPA 8270D	10186002	NELAP	FL
5630 - Benzyl alcohol	EPA 8270D	10186002	NELAP	FL
5640 - Biphenyl (1,1'-Biphenyl)	EPA 8270D	10186002	NELAP	FL
5780 - Bis(2-Chloroisopropyl) ether (2,2-oxybis(1-chloropropane))	EPA 8270D	10186002	NELAP	FL
7125 - Bolstar (Sulprofos)	EPA 8270D	10186002	NELAP	FL
7130 - Bromacil	EPA 8270D	10186002	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270D	10186002	NELAP	FL
7175 - Butylate	EPA 8270D	10186002	NELAP	FL
7180 - Caprolactam	EPA 8270D	10186002	NELAP	FL
5680 - Carbazole	EPA 8270D	10186002	NELAP	FL
7272 - Chlordimeform	EPA 8270D	10186002	NELAP	FL
7260 - Chlorobenzilate	EPA 8270D	10186002	NELAP	FL
7300 - Chlorpyrifos	EPA 8270D	10186002	NELAP	FL
5855 - Chrysene	EPA 8270D	10186002	NELAP	FL
8906 - Coelution - 3-Chlorophenol + 4-Chlorophenol	EPA 8270D	10186002	NELAP	FL
7315 - Coumaphos	EPA 8270D	10186002	NELAP	FL
7340 - Cyanazine	EPA 8270D	10186002	NELAP	FL
4550 - Cycloate	EPA 8270D	10186002	NELAP	FL
7395 - Demeton-o	EPA 8270D	10186002	NELAP	FL
7385 - Demeton-s	EPA 8270D	10186002	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270D	10186002	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270D	10186002	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270D	10186002	NELAP	FL
7405 - Diallate	EPA 8270D	10186002	NELAP	FL
9354 - Dibenz(a, h) acridine	EPA 8270D	10186002	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
5900 - Dibenz(a, j)acridine	EPA 8270D	10186002	NELAP	FL
5890 - Dibenzo(a,e)pyrene	EPA 8270D	10186002	NELAP	FL
9348 - Dibenzo(a,h) pyrene	EPA 8270D	10186002	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270D	10186002	NELAP	FL
9351 - Dibenzo(a,i) pyrene	EPA 8270D	10186002	NELAP	FL
5905 - Dibenzofuran	EPA 8270D	10186002	NELAP	FL
8610 - Dichlorovos (DDVP, Dichlorvos)	EPA 8270D	10186002	NELAP	FL
6070 - Diethyl phthalate	EPA 8270D	10186002	NELAP	FL
7475 - Dimethoate	EPA 8270D	10186002	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270D	10186002	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270D	10186002	NELAP	FL
8625 - Disulfoton	EPA 8270D	10186002	NELAP	FL
7550 - EPN	EPA 8270D	10186002	NELAP	FL
7555 - EPTC (Eptam, s-ethyl-dipropyl thio carbamate)	EPA 8270D	10186002	NELAP	FL
7565 - Ethion	EPA 8270D	10186002	NELAP	FL
7570 - Ethoprop	EPA 8270D	10186002	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270D	10186002	NELAP	FL
7580 - Farnphur	EPA 8270D	10186002	NELAP	FL
7600 - Fensulfothion	EPA 8270D	10186002	NELAP	FL
7605 - Fenthion	EPA 8270D	10186002	NELAP	FL
6265 - Fluoranthene	EPA 8270D	10186002	NELAP	FL
6270 - Fluorene	EPA 8270D	10186002	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270D	10186002	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270D	10186002	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270D	10186002	NELAP	FL
4840 - Hexachloroethane	EPA 8270D	10186002	NELAP	FL
6290 - Hexachlorophene	EPA 8270D	10186002	NELAP	FL
6295 - Hexachloropropene	EPA 8270D	10186002	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D	10186002	NELAP	FL
7725 - Isodrin	EPA 8270D	10186002	NELAP	FL
6320 - Isophorone	EPA 8270D	10186002	NELAP	FL
6321 - Isoquinoline	EPA 8270D	10186002	NELAP	FL
6325 - Isosafrole	EPA 8270D	10186002	NELAP	FL
7770 - Malathion	EPA 8270D	10186002	NELAP	FL
6345 - Methapyrilene	EPA 8270D	10186002	NELAP	FL
6375 - Methyl methanesulfonate	EPA 8270D	10186002	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270D	10186002	NELAP	FL
7845 - Metribuzin	EPA 8270D	10186002	NELAP	FL
7850 - Mevinphos	EPA 8270D	10186002	NELAP	FL
7875 - Molinate	EPA 8270D	10186002	NELAP	FL
7880 - Monocrotophos	EPA 8270D	10186002	NELAP	FL
7905 - Naled	EPA 8270D	10186002	NELAP	FL
5005 - Naphthalene	EPA 8270D	10186002	NELAP	FL
5015 - Nitrobenzene	EPA 8270D	10186002	NELAP	FL
7955 - Parathion, ethyl	EPA 8270D	10186002	NELAP	FL
9537 - Pebulate	EPA 8270D	10186002	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270D	10186002	NELAP	FL
6600 - Pentachloronitrobenzene	EPA 8270D	10186002	NELAP	FL
6605 - Pentachlorophenol	EPA 8270D	10186002	NELAP	FL
6610 - Phenacetin	EPA 8270D	10186002	NELAP	FL
6615 - Phenanthrene	EPA 8270D	10186002	NELAP	FL
6625 - Phenol	EPA 8270D	10186002	NELAP	FL
7985 - Phorate	EPA 8270D	10186002	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
8015 - Profluralin	EPA 8270D	10186002	NELAP	FL
8035 - Prometon	EPA 8270D	10186002	NELAP	FL
8040 - Prometryn	EPA 8270D	10186002	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270D	10186002	NELAP	FL
8060 - Propazine	EPA 8270D	10186002	NELAP	FL
6665 - Pyrene	EPA 8270D	10186002	NELAP	FL
5095 - Pyridine	EPA 8270D	10186002	NELAP	FL
8110 - Ronnel	EPA 8270D	10186002	NELAP	FL
6685 - Saflrole	EPA 8270D	10186002	NELAP	FL
8125 - Simazine	EPA 8270D	10186002	NELAP	FL
8130 - Simetryn	EPA 8270D	10186002	NELAP	FL
100199 - Sulfolane	EPA 8270D	10186002	NELAP	FL
8155 - Sulfotepp	EPA 8270D	10186002	NELAP	FL
8190 - Terbutylazine	EPA 8270D	10186002	NELAP	FL
8195 - Terbutryn (Igran)	EPA 8270D	10186002	NELAP	FL
8200 - Tetrachlorvinphos (Stiropfos, Gardona) Z-isomer	EPA 8270D	10186002	NELAP	FL
8210 - Tetraethyl pyrophosphate (TEPP)	EPA 8270D	10186002	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270D	10186002	NELAP	FL
8245 - Tokuthion (Prothiophos)	EPA 8270D	10186002	NELAP	FL
8275 - Trichloronate	EPA 8270D	10186002	NELAP	FL
8320 - Vernolate	EPA 8270D	10186002	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270D	10186002	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270D	10186002	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270D	10186002	NELAP	FL
5010 - n, n-Dimethyl formamide	EPA 8270D	10186002	NELAP	FL
5875 - n-Decane	EPA 8270D	10186002	NELAP	FL
6300 - n-Hexadecane	EPA 8270D	10186002	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270D	10186002	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270D	10186002	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270D	10186002	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270D	10186002	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270D	10186002	NELAP	FL
6550 - n-Nitrosomethylethylamine	EPA 8270D	10186002	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270D	10186002	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270D	10186002	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270D	10186002	NELAP	FL
6580 - n-Octadecane	EPA 8270D	10186002	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270D	10186002	NELAP	FL
3960 - o-Phenylphenol	EPA 8270D	10186002	NELAP	FL
1635 - Cyanide	EPA 9010B	10193007	NELAP	FL
1635 - Cyanide	EPA 9012A	10193405	NELAP	LA
1635 - Cyanide	EPA 9014	10193803	NELAP	FL
2000 - Sulfate	EPA 9038	10196608	NELAP	FL
1900 - pH	EPA 9040B	10197203	NELAP	FL
1900 - pH	EPA 9045C	10198400	NELAP	FL
1610 - Conductivity	EPA 9050A	10198808	NELAP	FL
1540 - Bromide	EPA 9056	10199403	NELAP	FL
1575 - Chloride	EPA 9056	10199403	NELAP	FL
1730 - Fluoride	EPA 9056	10199403	NELAP	FL
1805 - Nitrate	EPA 9056	10199403	NELAP	FL
1820 - Nitrate-Nitrite	EPA 9056	10199403	NELAP	FL
1835 - Nitrite	EPA 9056	10199403	NELAP	FL
2000 - Sulfate	EPA 9056	10199403	NELAP	FL
1540 - Bromide	EPA 9056A	10199607	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
1575 - Chloride	EPA 9056A	10199607	NELAP	FL
1730 - Fluoride	EPA 9056A	10199607	NELAP	FL
1805 - Nitrate	EPA 9056A	10199607	NELAP	FL
1820 - Nitrate-Nitrite	EPA 9056A	10199607	NELAP	FL
1835 - Nitrite	EPA 9056A	10199607	NELAP	FL
2000 - Sulfate	EPA 9056A	10199607	NELAP	FL
2040 - Total Organic Carbon	EPA 9060	10200201	NELAP	FL
1860 - Oil & Grease	EPA 9071B, Rev.2	10201806	NELAP	FL
1745 - Free liquid	EPA 9095A	10204203	NELAP	FL
1575 - Chloride	EPA 9251	10207406	NELAP	FL
1780 - Ignitability	EPA 1010A	10234807	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270C SIM	10242407	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270C SIM	10242407	NELAP	FL
5500 - Acenaphthene	EPA 8270C SIM	10242407	NELAP	FL
5505 - Acenaphthylene	EPA 8270C SIM	10242407	NELAP	FL
5555 - Anthracene	EPA 8270C SIM	10242407	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270C SIM	10242407	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270C SIM	10242407	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270C SIM	10242407	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
5855 - Chrysene	EPA 8270C SIM	10242407	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270C SIM	10242407	NELAP	FL
6265 - Fluoranthene	EPA 8270C SIM	10242407	NELAP	FL
6270 - Fluorene	EPA 8270C SIM	10242407	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C SIM	10242407	NELAP	FL
5005 - Naphthalene	EPA 8270C SIM	10242407	NELAP	FL
6615 - Phenanthrene	EPA 8270C SIM	10242407	NELAP	FL
6665 - Pyrene	EPA 8270C SIM	10242407	NELAP	FL
9501 - 1-Methylphenanthrene	EPA 8270D SIM	10242509	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270D SIM	10242509	NELAP	FL
5500 - Acenaphthene	EPA 8270D SIM	10242509	NELAP	FL
5505 - Acenaphthylene	EPA 8270D SIM	10242509	NELAP	FL
5555 - Anthracene	EPA 8270D SIM	10242509	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270D SIM	10242509	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270D SIM	10242509	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270D SIM	10242509	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270D SIM	10242509	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270D SIM	10242509	NELAP	FL
5855 - Chrysene	EPA 8270D SIM	10242509	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270D SIM	10242509	NELAP	FL
6265 - Fluoranthene	EPA 8270D SIM	10242509	NELAP	FL
6270 - Fluorene	EPA 8270D SIM	10242509	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D SIM	10242509	NELAP	FL
5005 - Naphthalene	EPA 8270D SIM	10242509	NELAP	FL
6615 - Phenanthrene	EPA 8270D SIM	10242509	NELAP	FL
6665 - Pyrene	EPA 8270D SIM	10242509	NELAP	FL
6703 - 1,1'-Biphenyl (BZ-0) (Biphenyl)	EPA 8270E	10242543	NELAP	FL
6705 - 1,2,3,4-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
6710 - 1,2,3,5-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8270E	10242543	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6220 - 1,2-Diphenylhydrazine	EPA 8270E	10242543	NELAP	FL
6885 - 1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	NELAP	FL

Eurofins Pensacola

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AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
4615 - 1,3-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8270E	10242543	NELAP	FL
6165 - 1,4-Dinitrobenzene	EPA 8270E	10242543	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	10242543	NELAP	FL
6420 - 1,4-Naphthoquinone	EPA 8270E	10242543	NELAP	FL
5790 - 1-Chloronaphthalene	EPA 8270E	10242543	NELAP	FL
6380 - 1-Methylnaphthalene	EPA 8270E	10242543	NELAP	FL
6425 - 1-Naphthylamine	EPA 8270E	10242543	NELAP	FL
4659 - 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether (bis(2-chloroisopropyl)ether)	EPA 8270E	10242543	NELAP	FL
6735 - 2,3,4,6-Tetrachlorophenol	EPA 8270E	10242543	NELAP	FL
6835 - 2,4,5-Trichlorophenol	EPA 8270E	10242543	NELAP	FL
6840 - 2,4,6-Trichlorophenol	EPA 8270E	10242543	NELAP	FL
6000 - 2,4-Dichlorophenol	EPA 8270E	10242543	NELAP	FL
6130 - 2,4-Dimethylphenol	EPA 8270E	10242543	NELAP	FL
6175 - 2,4-Dinitrophenol	EPA 8270E	10242543	NELAP	FL
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	NELAP	FL
6005 - 2,6-Dichlorophenol	EPA 8270E	10242543	NELAP	FL
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	NELAP	FL
5515 - 2-Acetylaminofluorene	EPA 8270E	10242543	NELAP	FL
5795 - 2-Chloronaphthalene	EPA 8270E	10242543	NELAP	FL
5800 - 2-Chlorophenol	EPA 8270E	10242543	NELAP	FL
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270E	10242543	NELAP	FL
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270E	10242543	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270E	10242543	NELAP	FL
6400 - 2-Methylphenol (o-Cresol)	EPA 8270E	10242543	NELAP	FL
6430 - 2-Naphthylamine	EPA 8270E	10242543	NELAP	FL
6460 - 2-Nitroaniline	EPA 8270E	10242543	NELAP	FL
6490 - 2-Nitrophenol	EPA 8270E	10242543	NELAP	FL
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	NELAP	FL
6412 - 3+4 Methylphenol	EPA 8270E	10242543	NELAP	FL
5945 - 3,3'-Dichlorobenzidine	EPA 8270E	10242543	NELAP	FL
6120 - 3,3'-Dimethylbenzidine	EPA 8270E	10242543	NELAP	FL
6355 - 3-Methylcholanthrene	EPA 8270E	10242543	NELAP	FL
6465 - 3-Nitroaniline	EPA 8270E	10242543	NELAP	FL
9489 - 4,4'-Methylenedianiline	EPA 8270E	10242543	NELAP	FL
5540 - 4-Aminobiphenyl	EPA 8270E	10242543	NELAP	FL
5660 - 4-Bromophenyl phenyl ether	EPA 8270E	10242543	NELAP	FL
5700 - 4-Chloro-3-methylphenol	EPA 8270E	10242543	NELAP	FL
5745 - 4-Chloroaniline	EPA 8270E	10242543	NELAP	FL
5825 - 4-Chlorophenyl phenylether	EPA 8270E	10242543	NELAP	FL
6105 - 4-Dimethyl aminoazobenzene	EPA 8270E	10242543	NELAP	FL
6470 - 4-Nitroaniline	EPA 8270E	10242543	NELAP	FL
6500 - 4-Nitrophenol	EPA 8270E	10242543	NELAP	FL
6510 - 4-Nitroquinoline-1-oxide	EPA 8270E	10242543	NELAP	FL
6570 - 5-Nitro-o-toluidine	EPA 8270E	10242543	NELAP	FL
6115 - 7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	NELAP	FL
5500 - Acenaphthene	EPA 8270E	10242543	NELAP	FL
5505 - Acenaphthylene	EPA 8270E	10242543	NELAP	FL
5510 - Acetophenone	EPA 8270E	10242543	NELAP	FL
5545 - Aniline	EPA 8270E	10242543	NELAP	FL
5555 - Anthracene	EPA 8270E	10242543	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
7065 - Atrazine	EPA 8270E	10242543	NELAP	FL
5570 - Benzaldehyde	EPA 8270E	10242543	NELAP	FL
5595 - Benzidine	EPA 8270E	10242543	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270E	10242543	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270E	10242543	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270E	10242543	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270E	10242543	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270E	10242543	NELAP	FL
5610 - Benzoic acid	EPA 8270E	10242543	NELAP	FL
5630 - Benzyl alcohol	EPA 8270E	10242543	NELAP	FL
5670 - Butyl benzyl phthalate	EPA 8270E	10242543	NELAP	FL
7180 - Caprolactam	EPA 8270E	10242543	NELAP	FL
5680 - Carbazole	EPA 8270E	10242543	NELAP	FL
7260 - Chlorobenzilate	EPA 8270E	10242543	NELAP	FL
5855 - Chrysene	EPA 8270E	10242543	NELAP	FL
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270E	10242543	NELAP	FL
5925 - Di-n-butyl phthalate	EPA 8270E	10242543	NELAP	FL
6200 - Di-n-octyl phthalate	EPA 8270E	10242543	NELAP	FL
7405 - Diallate	EPA 8270E	10242543	NELAP	FL
9354 - Dibenzo(a, h) acridine	EPA 8270E	10242543	NELAP	FL
5900 - Dibenzo(a, j)acridine	EPA 8270E	10242543	NELAP	FL
9348 - Dibenzo(a, h) pyrene	EPA 8270E	10242543	NELAP	FL
9351 - Dibenzo(a, i) pyrene	EPA 8270E	10242543	NELAP	FL
5890 - Dibenzo(a,e) pyrene	EPA 8270E	10242543	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270E	10242543	NELAP	FL
5905 - Dibenzofuran	EPA 8270E	10242543	NELAP	FL
6070 - Diethyl phthalate	EPA 8270E	10242543	NELAP	FL
7475 - Dimethoate	EPA 8270E	10242543	NELAP	FL
6135 - Dimethyl phthalate	EPA 8270E	10242543	NELAP	FL
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	NELAP	FL
6205 - Diphenylamine	EPA 8270E	10242543	NELAP	FL
6260 - Ethyl methanesulfonate	EPA 8270E	10242543	NELAP	FL
6265 - Fluoranthene	EPA 8270E	10242543	NELAP	FL
6270 - Fluorene	EPA 8270E	10242543	NELAP	FL
6275 - Hexachlorobenzene	EPA 8270E	10242543	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8270E	10242543	NELAP	FL
6285 - Hexachlorocyclopentadiene	EPA 8270E	10242543	NELAP	FL
4840 - Hexachloroethane	EPA 8270E	10242543	NELAP	FL
6290 - Hexachlorophene	EPA 8270E	10242543	NELAP	FL
6295 - Hexachloropropene	EPA 8270E	10242543	NELAP	FL
6312 - Indene	EPA 8270E	10242543	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	NELAP	FL
7725 - Isochrin	EPA 8270E	10242543	NELAP	FL
6320 - Isophorone	EPA 8270E	10242543	NELAP	FL
6325 - Isosafrole	EPA 8270E	10242543	NELAP	FL
7740 - Kepone	EPA 8270E	10242543	NELAP	FL
6345 - Methapyrilene	EPA 8270E	10242543	NELAP	FL
6375 - Methyl methanesulfonate	EPA 8270E	10242543	NELAP	FL
7825 - Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	NELAP	FL
5005 - Naphthalene	EPA 8270E	10242543	NELAP	FL
5015 - Nitrobenzene	EPA 8270E	10242543	NELAP	FL
7955 - Parathion, ethyl	EPA 8270E	10242543	NELAP	FL
6590 - Pentachlorobenzene	EPA 8270E	10242543	NELAP	FL

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# Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6600 - Pentachloronitrobenzene	EPA 8270E	10242543	NELAP	FL
6605 - Pentachlorophenol	EPA 8270E	10242543	NELAP	FL
6610 - Phenacetin	EPA 8270E	10242543	NELAP	FL
6615 - Phenanthrene	EPA 8270E	10242543	NELAP	FL
6625 - Phenol	EPA 8270E	10242543	NELAP	FL
7985 - Phorate	EPA 8270E	10242543	NELAP	FL
6650 - Pronamide (Kerb)	EPA 8270E	10242543	NELAP	FL
6665 - Pyrene	EPA 8270E	10242543	NELAP	FL
5095 - Pyridine	EPA 8270E	10242543	NELAP	FL
6685 - Safrrole	EPA 8270E	10242543	NELAP	FL
8155 - Sulfotep (Tetraethyl dithiopyrophosphate)	EPA 8270E	10242543	NELAP	FL
8235 - Thionazin (Zinophos)	EPA 8270E	10242543	NELAP	FL
6125 - a-a-Dimethylphenethylamine	EPA 8270E	10242543	NELAP	FL
5760 - bis(2-Chloroethoxy)methane	EPA 8270E	10242543	NELAP	FL
5765 - bis(2-Chloroethyl) ether	EPA 8270E	10242543	NELAP	FL
5875 - n-Decane	EPA 8270E	10242543	NELAP	FL
5025 - n-Nitroso-di-n-butylamine	EPA 8270E	10242543	NELAP	FL
6545 - n-Nitrosodi-n-propylamine	EPA 8270E	10242543	NELAP	FL
6525 - n-Nitrosodiethylamine	EPA 8270E	10242543	NELAP	FL
6530 - n-Nitrosodimethylamine	EPA 8270E	10242543	NELAP	FL
6535 - n-Nitrosodiphenylamine	EPA 8270E	10242543	NELAP	FL
6550 - n-Nitrosomethylethylamine	EPA 8270E	10242543	NELAP	FL
6555 - n-Nitrosomorpholine	EPA 8270E	10242543	NELAP	FL
6560 - n-Nitrosopiperidine	EPA 8270E	10242543	NELAP	FL
6565 - n-Nitrosopyrrolidine	EPA 8270E	10242543	NELAP	FL
6580 - n-Octadecane	EPA 8270E	10242543	NELAP	FL
8290 - o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	NELAP	FL
1645 - Total Cyanide	EPA 9010C	10243002	NELAP	FL
1900 - pH	EPA 9040C	10244403	NELAP	FL
1900 - pH	EPA 9045D	10244607	NELAP	FL
1745 - Free liquid	EPA 9095B	10245600	NELAP	FL
1450 - Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples	EPA 5035A	10284807	NELAP	LA
9369 - Diesel range organics (DRO)	EPA 8015D	10305609	NELAP	FL
9408 - Gasoline range organics (GRO)	EPA 8015D	10305609	NELAP	FL
6748 - Oil-Range Organics (ORO)	EPA 8015D	10305609	NELAP	LA
5105 - 1,1,1,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	FL
5160 - 1,1,1-Trichloroethane	EPA 8260C	10307003	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260C	10307003	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260C	10307003	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260C	10307003	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260C	10307003	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260C	10307003	NELAP	FL
9557 - 1,1-dimethylethyl ester (tert-Butyl Formate)	EPA 8260C	10307003	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260C	10307003	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260C	10307003	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260C	10307003	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260C	10307003	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260C	10307003	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260C	10307003	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260C	10307003	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4656 - 1,2-Diethylbenzene	EPA 8260C	10307003	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260C	10307003	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260C	10307003	NELAP	FL
4735 - 1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260C	10307003	NELAP	FL
4510 - 1-Chlorohexane	EPA 8260C	10307003	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260C	10307003	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260C	10307003	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260C	10307003	NELAP	FL
100099 - 2-Chloropropene	EPA 8260C	10307003	NELAP	LA
4535 - 2-Chlorotoluene	EPA 8260C	10307003	NELAP	FL
4860 - 2-Hexanone	EPA 8260C	10307003	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260C	10307003	NELAP	FL
5020 - 2-Nitropropane	EPA 8260C	10307003	NELAP	FL
4368 - 2-methyl-2-butanol (tert-Amyl alcohol)	EPA 8260C	10307003	NELAP	FL
6103 - 3,3-dimethyl-1-butanol	EPA 8260C	10307003	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260C	10307003	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260C	10307003	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260C	10307003	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260C	10307003	NELAP	FL
4315 - Acetone	EPA 8260C	10307003	NELAP	FL
4320 - Acetonitrile	EPA 8260C	10307003	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260C	10307003	NELAP	FL
4340 - Acrylonitrile	EPA 8260C	10307003	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260C	10307003	NELAP	FL
4375 - Benzene	EPA 8260C	10307003	NELAP	FL
5635 - Benzyl chloride	EPA 8260C	10307003	NELAP	FL
4385 - Bromobenzene	EPA 8260C	10307003	NELAP	FL
4390 - Bromochloromethane	EPA 8260C	10307003	NELAP	FL
4395 - Bromodichloromethane	EPA 8260C	10307003	NELAP	FL
4400 - Bromoform	EPA 8260C	10307003	NELAP	FL
4450 - Carbon disulfide	EPA 8260C	10307003	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260C	10307003	NELAP	FL
4475 - Chlorobenzene	EPA 8260C	10307003	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260C	10307003	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260C	10307003	NELAP	FL
4505 - Chloroform	EPA 8260C	10307003	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260C	10307003	NELAP	FL
4555 - Cyclohexane	EPA 8260C	10307003	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260C	10307003	NELAP	FL
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260C	10307003	NELAP	FL
4725 - Diethyl ether	EPA 8260C	10307003	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-	EPA 8260C	10307003	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
epoxypropane)				
4750 - Ethanol	EPA 8260C	10307003	NELAP	FL
4755 - Ethyl acetate	EPA 8260C	10307003	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260C	10307003	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260C	10307003	NELAP	FL
4765 - Ethylbenzene	EPA 8260C	10307003	NELAP	FL
4795 - Ethylene oxide	EPA 8260C	10307003	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260C	10307003	NELAP	FL
4870 - Iodomethane (Methyl iodide)	EPA 8260C	10307003	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260C	10307003	NELAP	FL
100145 - Isopropyl Ether	EPA 8260C	10307003	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260C	10307003	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260C	10307003	NELAP	FL
4925 - Methacrylonitrile	EPA 8260C	10307003	NELAP	FL
4940 - Methyl acetate	EPA 8260C	10307003	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260C	10307003	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260C	10307003	NELAP	FL
4990 - Methyl methacrylate	EPA 8260C	10307003	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260C	10307003	NELAP	FL
4965 - Methylcyclohexane	EPA 8260C	10307003	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260C	10307003	NELAP	FL
5005 - Naphthalene	EPA 8260C	10307003	NELAP	FL
5035 - Pentachloroethane	EPA 8260C	10307003	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260C	10307003	NELAP	FL
9579 - Propylene oxide	EPA 8260C	10307003	NELAP	FL
5100 - Styrene	EPA 8260C	10307003	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260C	10307003	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260C	10307003	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260C	10307003	NELAP	FL
5140 - Toluene	EPA 8260C	10307003	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 8260C	10307003	NELAP	FL
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 8260C	10307003	NELAP	FL
5225 - Vinyl acetate	EPA 8260C	10307003	NELAP	FL
5235 - Vinyl chloride	EPA 8260C	10307003	NELAP	FL
5260 - Xylene (total)	EPA 8260C	10307003	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 8260C	10307003	NELAP	FL
5240 - m+p-xylene	EPA 8260C	10307003	NELAP	FL
4676 - m-Diethylbenzene (1,3-Diethylbenzene)	EPA 8260C	10307003	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260C	10307003	NELAP	FL
4435 - n-Butylbenzene	EPA 8260C	10307003	NELAP	FL
4825 - n-Heptane	EPA 8260C	10307003	NELAP	FL
4855 - n-Hexane	EPA 8260C	10307003	NELAP	FL
5090 - n-Propylbenzene	EPA 8260C	10307003	NELAP	FL
5250 - o-Xylene	EPA 8260C	10307003	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260C	10307003	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260C	10307003	NELAP	FL

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## Solid Chemical Materials

4420 - tert-Butyl alcohol	EPA 8260C	10307003	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260C	10307003	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260C	10307003	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260C	10307003	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260C	10307003	NELAP	FL
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260C SIM	10307105	NELAP	FL
5105 - 1,1, 1,2-Tetrachloroethane	EPA 8260D	10307127	NELAP	FL
5160 - 1,1, 1-Trichloroethane	EPA 8260D	10307127	NELAP	FL
5110 - 1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	NELAP	FL
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	NELAP	FL
5165 - 1,1,2-Trichloroethane	EPA 8260D	10307127	NELAP	FL
4630 - 1,1-Dichloroethane	EPA 8260D	10307127	NELAP	FL
4640 - 1,1-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4670 - 1,1-Dichloropropene	EPA 8260D	10307127	NELAP	FL
5150 - 1,2,3-Trichlorobenzene	EPA 8260D	10307127	NELAP	FL
5180 - 1,2,3-Trichloropropane	EPA 8260D	10307127	NELAP	FL
5155 - 1,2,4-Trichlorobenzene	EPA 8260D	10307127	NELAP	FL
5210 - 1,2,4-Trimethylbenzene	EPA 8260D	10307127	NELAP	FL
4570 - 1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	NELAP	FL
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	NELAP	FL
4610 - 1,2-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260D	10307127	NELAP	FL
4655 - 1,2-Dichloropropane	EPA 8260D	10307127	NELAP	FL
5215 - 1,3,5-Trimethylbenzene	EPA 8260D	10307127	NELAP	FL
4615 - 1,3-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4660 - 1,3-Dichloropropane	EPA 8260D	10307127	NELAP	FL
4620 - 1,4-Dichlorobenzene	EPA 8260D	10307127	NELAP	FL
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA 8260D	10307127	NELAP	FL
4480 - 1-Chlorobutane	EPA 8260D	10307127	NELAP	FL
4665 - 2,2-Dichloropropane	EPA 8260D	10307127	NELAP	FL
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	NELAP	FL
4500 - 2-Chloroethyl vinyl ether	EPA 8260D	10307127	NELAP	FL
4535 - 2-Chlorotoluene	EPA 8260D	10307127	NELAP	FL
4860 - 2-Hexanone	EPA 8260D	10307127	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8260D	10307127	NELAP	FL
5020 - 2-Nitropropane	EPA 8260D	10307127	NELAP	FL
6103 - 3,3-Dimethyl-1-butanol	EPA 8260D	10307127	NELAP	FL
4531 - 3-Ethyltoluene	EPA 8260D	10307127	NELAP	FL
4540 - 4-Chlorotoluene	EPA 8260D	10307127	NELAP	FL
4910 - 4-Isopropyltoluene (p-Cymene)	EPA 8260D	10307127	NELAP	FL
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	NELAP	FL
4315 - Acetone	EPA 8260D	10307127	NELAP	FL
4320 - Acetonitrile	EPA 8260D	10307127	NELAP	FL
4325 - Acrolein (Propenal)	EPA 8260D	10307127	NELAP	FL
4340 - Acrylonitrile	EPA 8260D	10307127	NELAP	FL
4355 - Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	NELAP	FL
4375 - Benzene	EPA 8260D	10307127	NELAP	FL
5635 - Benzyl chloride	EPA 8260D	10307127	NELAP	FL
4385 - Bromobenzene	EPA 8260D	10307127	NELAP	FL
4390 - Bromochloromethane	EPA 8260D	10307127	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
4395 - Bromodichloromethane	EPA 8260D	10307127	NELAP	FL
4400 - Bromoform	EPA 8260D	10307127	NELAP	FL
4450 - Carbon disulfide	EPA 8260D	10307127	NELAP	FL
4455 - Carbon tetrachloride	EPA 8260D	10307127	NELAP	FL
4475 - Chlorobenzene	EPA 8260D	10307127	NELAP	FL
4575 - Chlorodibromomethane (dibromochloromethane)	EPA 8260D	10307127	NELAP	FL
4485 - Chloroethane (Ethyl chloride)	EPA 8260D	10307127	NELAP	FL
4505 - Chloroform	EPA 8260D	10307127	NELAP	FL
4525 - Chloroprene (2-Chloro-1,3-butadiene)	EPA 8260D	10307127	NELAP	FL
4555 - Cyclohexane	EPA 8260D	10307127	NELAP	FL
9375 - Di-isopropylether (DIPE) (Isopropyl ether)	EPA 8260D	10307127	NELAP	FL
4595 - Dibromomethane (Methylene bromide)	EPA 8260D	10307127	NELAP	FL
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260D	10307127	NELAP	FL
4725 - Diethyl ether	EPA 8260D	10307127	NELAP	FL
4745 - Epichlorohydrin (1-Chloro-2,3-epoxypropane)	EPA 8260D	10307127	NELAP	FL
4750 - Ethanol	EPA 8260D	10307127	NELAP	FL
4755 - Ethyl acetate	EPA 8260D	10307127	NELAP	FL
4810 - Ethyl methacrylate	EPA 8260D	10307127	NELAP	FL
4770 - Ethyl-t-butyl ether (ETBE) (2-Ethoxy-2-methylpropane)	EPA 8260D	10307127	NELAP	FL
4765 - Ethylbenzene	EPA 8260D	10307127	NELAP	FL
4795 - Ethylene oxide	EPA 8260D	10307127	NELAP	FL
4835 - Hexachlorobutadiene	EPA 8260D	10307127	NELAP	FL
4870 - Iodomethane (Methyl iodide)	EPA 8260D	10307127	NELAP	FL
4875 - Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	NELAP	FL
4895 - Isopropyl alcohol (2-Propanol, Isopropanol)	EPA 8260D	10307127	NELAP	FL
4900 - Isopropylbenzene (Cumene)	EPA 8260D	10307127	NELAP	FL
4925 - Methacrylonitrile	EPA 8260D	10307127	NELAP	FL
4940 - Methyl acetate	EPA 8260D	10307127	NELAP	FL
4950 - Methyl bromide (Bromomethane)	EPA 8260D	10307127	NELAP	FL
4960 - Methyl chloride (Chloromethane)	EPA 8260D	10307127	NELAP	FL
4990 - Methyl methacrylate	EPA 8260D	10307127	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	NELAP	FL
4965 - Methylcyclohexane	EPA 8260D	10307127	NELAP	FL
4975 - Methylene chloride (Dichloromethane)	EPA 8260D	10307127	NELAP	FL
5005 - Naphthalene	EPA 8260D	10307127	NELAP	FL
5035 - Pentachloroethane	EPA 8260D	10307127	NELAP	FL
5080 - Propionitrile (Ethyl cyanide)	EPA 8260D	10307127	NELAP	FL
9579 - Propylene oxide	EPA 8260D	10307127	NELAP	FL
5100 - Styrene	EPA 8260D	10307127	NELAP	FL
4370 - T-amylmethylether (TAME)	EPA 8260D	10307127	NELAP	FL
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 8260D	10307127	NELAP	FL
5120 - Tetrahydrofuran (THF)	EPA 8260D	10307127	NELAP	FL
5140 - Toluene	EPA 8260D	10307127	NELAP	FL
5170 - Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	NELAP	FL
5175 - Trichlorofluoromethane	EPA 8260D	10307127	NELAP	FL

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## Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
(Fluorotrichloromethane, Freon 11)				
5225 - Vinyl acetate	EPA 8260D	10307127	NELAP	FL
5235 - Vinyl chloride	EPA 8260D	10307127	NELAP	FL
5260 - Xylene (total)	EPA 8260D	10307127	NELAP	FL
4645 - cis-1,2-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4680 - cis-1,3-Dichloropropene	EPA 8260D	10307127	NELAP	FL
5240 - m+p-xylene	EPA 8260D	10307127	NELAP	FL
4425 - n-Butyl alcohol (1-Butanol, n-Butanol)	EPA 8260D	10307127	NELAP	FL
4435 - n-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4825 - n-Heptane	EPA 8260D	10307127	NELAP	FL
4855 - n-Hexane	EPA 8260D	10307127	NELAP	FL
5090 - n-Propylbenzene	EPA 8260D	10307127	NELAP	FL
5250 - o-Xylene	EPA 8260D	10307127	NELAP	FL
5253 - p-Diethylbenzene	EPA 8260D	10307127	NELAP	FL
4440 - sec-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4368 - tert-Amyl alcohol (TAA)	EPA 8260D	10307127	NELAP	FL
4420 - tert-Butyl alcohol	EPA 8260D	10307127	NELAP	FL
4445 - tert-Butylbenzene	EPA 8260D	10307127	NELAP	FL
4700 - trans-1,2-Dichloroethylene	EPA 8260D	10307127	NELAP	FL
4685 - trans-1,3-Dichloropropylene	EPA 8260D	10307127	NELAP	FL
4605 - trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	NELAP	FL
1950 - Residue-total	SM 2540 G-1997	20005269	NELAP	FL
2040 - Total Organic Carbon	Walkley-Black Method	60012002	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	FL PRO, Rev.1	90015808	NELAP	FL
4375 - Benzene	IDNR OA-1	90016403	NELAP	FL
4765 - Ethylbenzene	IDNR OA-1	90016403	NELAP	FL
9408 - Gasoline range organics (GRO)	IDNR OA-1	90016403	NELAP	FL
5000 - Methyl tert-butyl ether (MTBE)	IDNR OA-1	90016403	NELAP	FL
5140 - Toluene	IDNR OA-1	90016403	NELAP	FL
5260 - Xylene (total)	IDNR OA-1	90016403	NELAP	FL
9369 - Diesel range organics (DRO)	IDNR OA-2	90016607	NELAP	FL
9369 - Diesel range organics (DRO)	MA DEP EPH, Rev.1.1	90017202	NELAP	FL
9408 - Gasoline range organics (GRO)	MA DEP VPH, Rev.1.1	90017406	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1005, Rev.3	90019208	NELAP	FL
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1006	90019220	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
1000 - Aluminum	EPA 6010B	10155609	NELAP	FL
1005 - Antimony	EPA 6010B	10155609	NELAP	FL
1010 - Arsenic	EPA 6010B	10155609	NELAP	FL
1015 - Barium	EPA 6010B	10155609	NELAP	FL
1020 - Beryllium	EPA 6010B	10155609	NELAP	FL
1025 - Boron	EPA 6010B	10155609	NELAP	FL
1030 - Cadmium	EPA 6010B	10155609	NELAP	FL
1040 - Chromium	EPA 6010B	10155609	NELAP	FL
1050 - Cobalt	EPA 6010B	10155609	NELAP	FL
1055 - Copper	EPA 6010B	10155609	NELAP	FL
1075 - Lead	EPA 6010B	10155609	NELAP	FL

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# Biological Tissue

Analyte	Method Name	Method Code	Type	AB
1080 - Lithium	EPA 6010B	10155609	NELAP	FL
1090 - Manganese	EPA 6010B	10155609	NELAP	FL
1100 - Molybdenum	EPA 6010B	10155609	NELAP	FL
1105 - Nickel	EPA 6010B	10155609	NELAP	FL
1140 - Selenium	EPA 6010B	10155609	NELAP	FL
1150 - Silver	EPA 6010B	10155609	NELAP	FL
1160 - Strontium	EPA 6010B	10155609	NELAP	FL
1165 - Thallium	EPA 6010B	10155609	NELAP	FL
1185 - Vanadium	EPA 6010B	10155609	NELAP	FL
1190 - Zinc	EPA 6010B	10155609	NELAP	FL
1000 - Aluminum	EPA 6010C	10155803	NELAP	FL
1005 - Antimony	EPA 6010C	10155803	NELAP	FL
1010 - Arsenic	EPA 6010C	10155803	NELAP	FL
1015 - Barium	EPA 6010C	10155803	NELAP	FL
1020 - Beryllium	EPA 6010C	10155803	NELAP	FL
1025 - Boron	EPA 6010C	10155803	NELAP	FL
1030 - Cadmium	EPA 6010C	10155803	NELAP	FL
1040 - Chromium	EPA 6010C	10155803	NELAP	FL
1050 - Cobalt	EPA 6010C	10155803	NELAP	FL
1055 - Copper	EPA 6010C	10155803	NELAP	FL
1075 - Lead	EPA 6010C	10155803	NELAP	FL
1080 - Lithium	EPA 6010C	10155803	NELAP	FL
1090 - Manganese	EPA 6010C	10155803	NELAP	FL
1100 - Molybdenum	EPA 6010C	10155803	NELAP	FL
1105 - Nickel	EPA 6010C	10155803	NELAP	FL
1140 - Selenium	EPA 6010C	10155803	NELAP	FL
1150 - Silver	EPA 6010C	10155803	NELAP	FL
1160 - Strontium	EPA 6010C	10155803	NELAP	FL
1165 - Thallium	EPA 6010C	10155803	NELAP	FL
1175 - Tin	EPA 6010C	10155803	NELAP	FL
1180 - Titanium	EPA 6010C	10155803	NELAP	FL
1185 - Vanadium	EPA 6010C	10155803	NELAP	FL
1190 - Zinc	EPA 6010C	10155803	NELAP	FL
1000 - Aluminum	EPA 6020	10156000	NELAP	FL
1005 - Antimony	EPA 6020	10156000	NELAP	FL
1010 - Arsenic	EPA 6020	10156000	NELAP	FL
1015 - Barium	EPA 6020	10156000	NELAP	FL
1020 - Beryllium	EPA 6020	10156000	NELAP	FL
1025 - Boron	EPA 6020	10156000	NELAP	FL
1030 - Cadmium	EPA 6020	10156000	NELAP	FL
1040 - Chromium	EPA 6020	10156000	NELAP	FL
1050 - Cobalt	EPA 6020	10156000	NELAP	FL
1055 - Copper	EPA 6020	10156000	NELAP	FL
1070 - Iron	EPA 6020	10156000	NELAP	FL
1075 - Lead	EPA 6020	10156000	NELAP	FL
1090 - Manganese	EPA 6020	10156000	NELAP	FL
1100 - Molybdenum	EPA 6020	10156000	NELAP	FL
1105 - Nickel	EPA 6020	10156000	NELAP	FL
1140 - Selenium	EPA 6020	10156000	NELAP	FL
1150 - Silver	EPA 6020	10156000	NELAP	FL
1165 - Thallium	EPA 6020	10156000	NELAP	FL
1185 - Vanadium	EPA 6020	10156000	NELAP	FL
1190 - Zinc	EPA 6020	10156000	NELAP	FL
1095 - Mercury	EPA 7471	10166004	NELAP	FL
7355 - 4,4'-DDD	EPA 8081A	10178606	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
7360 - 4,4'-DDE	EPA 8081A	10178606	NELAP	FL
7365 - 4,4'-DDT	EPA 8081A	10178606	NELAP	FL
7025 - Aldrin	EPA 8081A	10178606	NELAP	FL
7470 - Dieldrin	EPA 8081A	10178606	NELAP	FL
7510 - Endosulfan I	EPA 8081A	10178606	NELAP	FL
7515 - Endosulfan II	EPA 8081A	10178606	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081A	10178606	NELAP	FL
7540 - Endrin	EPA 8081A	10178606	NELAP	FL
7530 - Endrin aldehyde	EPA 8081A	10178606	NELAP	FL
7535 - Endrin ketone	EPA 8081A	10178606	NELAP	FL
7685 - Heptachlor	EPA 8081A	10178606	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081A	10178606	NELAP	FL
7810 - Methoxychlor	EPA 8081A	10178606	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081A	10178606	NELAP	FL
7355 - 4,4'-DDD	EPA 8081B	10178800	NELAP	FL
7360 - 4,4'-DDE	EPA 8081B	10178800	NELAP	FL
7365 - 4,4'-DDT	EPA 8081B	10178800	NELAP	FL
7025 - Aldrin	EPA 8081B	10178800	NELAP	FL
7470 - Dieldrin	EPA 8081B	10178800	NELAP	FL
7510 - Endosulfan I	EPA 8081B	10178800	NELAP	FL
7515 - Endosulfan II	EPA 8081B	10178800	NELAP	FL
7520 - Endosulfan sulfate	EPA 8081B	10178800	NELAP	FL
7540 - Endrin	EPA 8081B	10178800	NELAP	FL
7530 - Endrin aldehyde	EPA 8081B	10178800	NELAP	FL
7535 - Endrin ketone	EPA 8081B	10178800	NELAP	FL
7685 - Heptachlor	EPA 8081B	10178800	NELAP	FL
7690 - Heptachlor epoxide	EPA 8081B	10178800	NELAP	FL
7810 - Methoxychlor	EPA 8081B	10178800	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
7105 - delta-BHC	EPA 8081B	10178800	NELAP	FL
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B	10178800	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082	10179007	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082	10179007	NELAP	FL
8880 - Aroclor-1016 (PCB-1016)	EPA 8082A	10179201	NELAP	FL
8910 - Aroclor-1260 (PCB-1260)	EPA 8082A	10179201	NELAP	FL
6385 - 2-Methylnaphthalene	EPA 8270C	10185805	NELAP	FL
7355 - 4,4'-DDD	EPA 8270C	10185805	NELAP	LA
7360 - 4,4'-DDE	EPA 8270C	10185805	NELAP	LA
7365 - 4,4'-DDT	EPA 8270C	10185805	NELAP	LA
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	FL
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	FL
7025 - Aldrin	EPA 8270C	10185805	NELAP	LA
5555 - Anthracene	EPA 8270C	10185805	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270C	10185805	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270C	10185805	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270C	10185805	NELAP	FL

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Analyte	Method Name	Method Code	Type	AB
5590 - Benzo(g,h,i)perylene	EPA 8270C	10185805	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270C	10185805	NELAP	FL
5855 - Chrysene	EPA 8270C	10185805	NELAP	FL
5895 - Dibenzo(a,h)anthracene	EPA 8270C	10185805	NELAP	FL
7470 - Dieldrin	EPA 8270C	10185805	NELAP	LA
7510 - Endosulfan I	EPA 8270C	10185805	NELAP	LA
7515 - Endosulfan II	EPA 8270C	10185805	NELAP	LA
7520 - Endosulfan sulfate	EPA 8270C	10185805	NELAP	LA
7540 - Endrin	EPA 8270C	10185805	NELAP	LA
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	FL
6270 - Fluorene	EPA 8270C	10185805	NELAP	FL
7685 - Heptachlor	EPA 8270C	10185805	NELAP	LA
7690 - Heptachlor epoxide	EPA 8270C	10185805	NELAP	LA
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270C	10185805	NELAP	FL
7810 - Methoxychlor	EPA 8270C	10185805	NELAP	LA
5005 - Naphthalene	EPA 8270C	10185805	NELAP	FL
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	FL
6665 - Pyrene	EPA 8270C	10185805	NELAP	FL
7110 - alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8270C	10185805	NELAP	LA
7115 - beta-BHC (beta-Hexachlorocyclohexane)	EPA 8270C	10185805	NELAP	LA
7105 - delta-BHC	EPA 8270C	10185805	NELAP	LA
7120 - gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8270C	10185805	NELAP	LA
6385 - 2-Methylnaphthalene	EPA 8270D	10186002	NELAP	FL
5500 - Acenaphthene	EPA 8270D	10186002	NELAP	FL
5505 - Acenaphthylene	EPA 8270D	10186002	NELAP	FL
5555 - Anthracene	EPA 8270D	10186002	NELAP	FL
5575 - Benzo(a)anthracene	EPA 8270D	10186002	NELAP	FL
5580 - Benzo(a)pyrene	EPA 8270D	10186002	NELAP	FL
5585 - Benzo(b)fluoranthene	EPA 8270D	10186002	NELAP	FL
5590 - Benzo(g,h,i)perylene	EPA 8270D	10186002	NELAP	FL
5600 - Benzo(k)fluoranthene	EPA 8270D	10186002	NELAP	FL
7125 - Bolstar (Sulprofos)	EPA 8270D	10186002	NELAP	LA
7300 - Chlorpyrifos	EPA 8270D	10186002	NELAP	LA
5855 - Chrysene	EPA 8270D	10186002	NELAP	FL
7315 - Coumaphos	EPA 8270D	10186002	NELAP	LA
7410 - Diazinon	EPA 8270D	10186002	NELAP	LA
5895 - Dibenzo(a,h)anthracene	EPA 8270D	10186002	NELAP	FL
7455 - Dichlorovos	EPA 8270D	10186002	NELAP	LA
7475 - Dimethoate	EPA 8270D	10186002	NELAP	LA
8625 - Disulfoton	EPA 8270D	10186002	NELAP	LA
7550 - EPN	EPA 8270D	10186002	NELAP	LA
7570 - Ethoprop	EPA 8270D	10186002	NELAP	LA
7580 - Famphur	EPA 8270D	10186002	NELAP	LA
7600 - Fensulfothion	EPA 8270D	10186002	NELAP	LA
7605 - Fenthion	EPA 8270D	10186002	NELAP	LA
6265 - Fluoranthene	EPA 8270D	10186002	NELAP	FL
6270 - Fluorene	EPA 8270D	10186002	NELAP	FL
6315 - Indeno(1,2,3-cd)pyrene	EPA 8270D	10186002	NELAP	FL
7770 - Malathion	EPA 8270D	10186002	NELAP	LA
7825 - Methyl parathion (Parathion, methyl)	EPA 8270D	10186002	NELAP	LA
7850 - Mevinphos	EPA 8270D	10186002	NELAP	LA
5005 - Naphthalene	EPA 8270D	10186002	NELAP	FL

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

## Biological Tissue

Analyte <sup>m</sup>	Method Name	Method Code	Type	AB
7955 - Parathion, ethyl	EPA 8270D	10186002	NELAP	LA
6615 - Phenanthrene	EPA 8270D	10186002	NELAP	FL
7985 - Phorate	EPA 8270D	10186002	NELAP	LA
6665 - Pyrene	EPA 8270D	10186002	NELAP	FL
8110 - Ronnel	EPA 8270D	10186002	NELAP	LA
8155 - Sulfotepp	EPA 8270D	10186002	NELAP	LA
8197 - Tetrachlorvinphos (Stiropfos, Gardona) E-isomer	EPA 8270D	10186002	NELAP	LA
8235 - Thionazin (Zinophos)	EPA 8270D	10186002	NELAP	LA
8245 - Tolcuthion (Prothiophos)	EPA 8270D	10186002	NELAP	LA
8275 - Trichloronate	EPA 8270D	10186002	NELAP	LA

Eurofins Pensacola

Effective Date: August 22, 2022

Certificate Number: 02075

AI Number: 30976  
Activity No. ACC20220003  
Expiration Date: June 30, 2023

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.



**SUBCONTRACTOR  
QUESTIONNAIRE  
WALKER-HILL ENVIRONMENTAL**



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**SOQ 22-054 Miscellaneous Environmental Services for the Jefferson  
Parish Department of Environmental Affairs**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)  
20-Dec-2022 11:11:12 AM

## **Technical Evaluation Committee (TEC) Questionnaire**

### **Instructions**

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

140859

**B. Firm Name & Address:**

Walker-Hill Environmental, Inc.  
9024 Comar Drive  
Walker, LA 70785

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

Gary Hill- President  
(601) 736-3500  
ghill@whenv.com

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

Caleb Hill- Project Manager  
(225) 667-3297  
caleb@whenv.com

**E. Please provide the number of employees whose primary function corresponds with each category:**

<u>  3  </u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>    </u> Structural Engineers
<u>    </u> Chemical Engineers	<u>    </u> Geotechnical Engineers	<u>    </u> Graduate Engineers
<u>    </u> Civil Engineers	<u>    </u> Interior Designers	<u>  8  </u> Project Managers
<u>    </u> Construction Inspectors	<u>    </u> Landscape Architects	<u>  2  </u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>    </u> Grant/Funding Specialist
<u>    </u> Electrical Engineers	<u>    </u> Mechanical Engineers	<u>    </u> Sanitary Engineers
<u>    </u> Engineer Intern	<u>    </u> Environmental Engineers	
<u>    </u> Professional Land Surveyors		<u> 13 </u> TOTAL

**F. Is this submittal by a JOINT-VENTURE? Please check: YES NO ☒**

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES      NO

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. None		
2.		
3.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

6



## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Rusty J. Rizzo/ Regional Manager

**Project Assignment:**

Project Management/Health and Safety

**Name of Firm with which associated:**

Walker-Hill Environmental, Inc.

**Years' experience with this Firm:**

22

**Education: Degree(s)/Year/Specialization:**

Bachelor Science/1993/Geology

**Active registration: Year first registered/discipline:**

**Other experience and qualifications relevant to the proposed Project:**

**TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Caleb Hill/ Project Manager
<b>Project Assignment:</b>
Project Management
<b>Name of Firm with which associated:</b>
Walker-Hill Environmental, Inc.
<b>Years' experience with this Firm:</b>
6
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science/2016/Sports Administration
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

## **TEC Professional Services Questionnaire**

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
<b>Project Assignment:</b>
<b>Name of Firm with which associated:</b>
<b>Years' experience with this Firm:</b>
<b>Education: Degree(s)/Year/Specialization:</b>
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	

## **TEC Professional Services Questionnaire**

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Project Assignment:	
Name of Firm with which associated:	
Years' experience with this Firm:	
Education: Degree(s)/Year/Specialization:	
Active registration: Year first registered/discipline:	
Other experience and qualifications relevant to the proposed Project:	



# CALEB HILL

441 Cottonwood Creek Lane  
Covington, LA 70433  
601-441-0358  
caleb@whenv.com

## *Education*

### **Bachelor of Science in Kinesiology and Minor in Business Administration**

Mississippi State University, Starkville, MS. 2012-2016.

### **High School Diploma**

Columbia Academy, Columbia, MS. 2009-2012.

## *Professional Registration and Certifications*

Licensed Louisiana Water Well and Environmental Driller  
OSHA Initial Health and Safety Course – 40 hours  
OSHA Refresher Health and Safety Course – 8 hours  
Association of reciprocal Safety Councils, Inc. Basic Plus  
Class “A” commercial driver license with tanker endorsement  
TWIC card  
Loss Prevention training

## *Experience*

### **Walker- Hill Environmental, INC.** January 2017- Present

Walker, LA January 2019- Present

#### *Project Manager*

- Business Development
- Personnel Relations
- Coordinating Drilling and Excavation Operations
- Project Management
- Estimating Jobs
- Onsite Supervision

Foxworth, MS January 2017- January 2019

#### *Operator/ Project Manager*

- Geoprobe Operator
- Excavation Equipment Operator
- Project Management
- Coordinating Drilling and Excavation Operations
- Estimating Jobs

### **Mississippi State University**

*Track & Field/Cross-Country Intern*, Fall 2016

- Manage inventory of Adidas shoes and gear.

- Complete travel arrangements.
- Complete day-to-day task.

### **Mississippi State University**

*Football Manager, Summer 2013-Summer 2016*

- Report directly to Head Coach Dan Mullen.
- Manage daily practice sessions by ensuring schedules are met and stay on track.

Walker-Hill Environmental, INC, Foxworth, MS.

*Drill Tech, Seasonal 2010-2016*

- Assist in drilling operations via direct push, sonic, mud rotary and hollow stem augers.
- Assist in excavation projects and remediation system installs.

### ***Specific Projects***

#### **ADEM- University of Alabama, Tuscaloosa, AL**

Plugged and Abandoned ~260 monitor wells on the campus of Alabama.

#### **Williams- Seminary, MS**

Hydro Excavated within the facility to expose numerous pipelines and transfer stations for inspections.

#### **LDEQ Trust Fund Sites- Statewide**

Managed numerous projects installing 4" monitoring wells, soil borings, P&A's and temporary wells all over the State of Louisiana.

#### **ExxonMobil- Baton Rouge, LA**

Managed numerous projects inside the refinery and offsite Exxon properties where WHE has installed wells, P&A wells, soil sampling and direct imaging.

**Gary P. Hill**  
1304 River Road  
Oak vale, MS 39656  
(601) 736-0020  
ghill@whenv.com

**Education:**

1975-1979      Lawrence County Academy  
High School Diploma

**Professional Registration and Certification:**

Water Well Driller #A2645: Arkansas  
Water Well Contractor #WWC-574: Louisiana  
Water Well Contractor #0-578: Mississippi  
Water Well Contractor #520: Alabama  
Water Well Contractor #3081: NW Florida Water Management District  
Drilling Contractor #1174: Oklahoma  
Water Well Driller #58141M: Texas  
Water Well Driller #755: Tennessee  
Certified to Permanently Close UST's: Mississippi  
Certified Well Driller – National Ground Water Association

**Professional Training:**

Hazardous Materials Site Supervisor Training (LSU)  
OSHA Initial Health and Safety Course – 40 hours  
OSHA Refresher Health and Safety Course – 8 hours

**Professional Employment:**

June 1996 – Present	<u>Walker-Hill Environmental, Inc.</u> – Foxworth, MS <i>President</i> <ul style="list-style-type: none"><li>• Personnel Relations</li><li>• Project Management</li><li>• Coordinating Drilling &amp; Excavation Operations</li><li>• Conduct Safety Programs</li><li>• Estimating Jobs – Production Control</li></ul>
February 1993 – June 1996	<u>Singley Construction Company, Inc.</u> – Columbia, MS <i>Environmental Manager</i> <ul style="list-style-type: none"><li>• Personnel Relations</li><li>• Project Management</li><li>• Coordinating Drilling &amp; Excavation Operations</li><li>• Conduct Safety Programs</li><li>• Estimating Jobs – Production Control</li></ul>

- |                          |  |
|--------------------------|--|
| June 1991- February 1993 | <u>Griner Drilling Services, Inc.</u> – Columbia, MS<br><i>Environmental Manager</i> <ul style="list-style-type: none"> <li>• Project Management</li> <li>• Coordinating Drilling Operations</li> <li>• Estimating Jobs – Production Control</li> <li>• Personnel Relations</li> <li>• Safety Inspections</li> </ul> |
| May 1987 – May 1991      | <u>Griner Drilling Service, Inc.</u> – Columbia, MS<br><i>Environmental Superintendent</i> <ul style="list-style-type: none"> <li>• Sales</li> <li>• Project Field Supervision</li> <li>• Drill Crews Coordination</li> <li>• Site Safety</li> </ul>   |
| May 1979 – April 1987    | <u>Griner Drilling Service, Inc.</u> – Columbia, MS<br><i>Driller / Technician</i> <ul style="list-style-type: none"> <li>• Operating Equipment – Hollow-stem auger, mud rotary, pump installation</li> <li>• Pump test, etc.</li> <li>• Rig Maintenance</li> </ul>  |

### **Specific Projects:**

Cavern Natural Gas Release – Southeast MS: Supervisor of natural gas release site. Drilled and installed over 270 vent and relief wells ranging in depths of 60 feet – 630 feet.

US Army Corp of Engineers – New Orleans Levee System, New Orleans, LA: Drilled and sampled numerous geotechnical soil borings from 40 – 200 feet.

Entergy – Grand Gulf Nuclear Station, Port Gibson, MS: Drilled and sampled numerous geotechnical soil borings from 60 – 240 feet.

US Army Corps of Engineers – Columbus Air Force Base; Columbus, Mississippi: Excavated, transported, and disposed of over 2,000 tons of JP-4 contaminated soil, installed a groundwater/soil vapor air sparge system, including (46) – 4” PVC wells and 4,000 feet of piping.

BellSouth Telecommunication, Mississippi: UST removals and contaminated soil remediation at (20) sites in Mississippi.

Mississippi Department of Transportation: UST removals and contaminated soil remediation at (4) sites in Mississippi.

United States Postal Service, Maintenance Center; Jackson, Mississippi: Excavated, transported, and disposed of petroleum contaminated soil associated with UST.

**Rusty J. Rizzo**  
36485 Dialtha Drive  
Watson, LA 70786  
(225) 667-1361  
rizzor@earthlink.net

**Education:**

1993 Louisiana Tech University  
B.S., Geology

**Professional Training:**

OSHA Hazardous Waste Training – 40 hour  
OSHA Refresher Training Courses – 8 hour

**Experience:**

February 2000 – Present Walker-Hill Environmental, Inc. – Columbia, MS  
*Regional Manager – Walker, LA office*

- Responsible for management of Louisiana office
- Management of field personnel
- Business development
- Technical proposals
- Project management
- Technical report preparation

November 1997 – February 2000 Tetra – Tech EM, Inc. – Baton Rouge, LA  
*Project Geologist*

- Management of field personnel
- Oversight and sampling activities
- Report preparation at various Superfund sites (U.S. EPA), Region 6
- Management of field activities and report preparation for groundwater investigations for Trinity Industries and ITEQ, Inc.

June 1994 – November 1997 Rust Environment And Infrastructure – Baton Rouge, LA  
*Project Geologist*

- Management of field activities and report preparation for RCRA Facility Investigations (RFI) for Union Carbide Corporation and the Cos-Mar Company
- Responsible for management of field activities and report preparation for multiple Underground Storage Tank (UST) projects
- Responsible for managing field activities for hydro-geological/geotechnical investigations in AR, LA, MS, and TX



May 1993 – June 1994

Soil Testing Engineers, Inc. – Baton Rouge, LA  
*Associate Project Geologist*

- Management of field activities associated with environmental site assessments
- Contaminated plume delineation
- Geotechnical investigations
- Monitor well sampling
- Slug testing
- Report preparation

### **Specific Projects:**

U.S. EPA, Region 6 – Madisonville Creosote Works Superfund Site, Madisonville, Louisiana: Assistant Project Manager/Tetra Tech Health and Safety Officer for this \$25 million remediation Project. Responsible for the management of (6) field personnel conducting various oversight and sampling activities associated with the 29 – acre site.

U.S. EPA, Region 6 – Gulf Coast Vacuum Services Superfund Site, Abbeville, Louisiana: Project Geologist for this multi-million dollar remediation project. Managed field oversight and sampling activities for the remedial activities conducted on the 12 - acre site.

Union Carbide Corporation, Taft, Louisiana: Managed field activities for a RFI conducted at this major chemical manufacturing facility. Included were installation of over (50) soil exploration borings, installation of monitor wells, and data reduction.

Cos-Mar Company; Carville, Louisiana: Managed field activities for groundwater investigations of the Plant I Flare at this major styrene manufacturing facility. Activities included the installation of soil borings for the collection of soil and groundwater samples for analysis of purgeable aromatic hydrocarbons, analysis of potential source areas, plume delineation, calculations of containment flow velocities, and report preparation.

Murphy Oil USA, Inc.; Alabama, Louisiana, North Carolina, and Tennessee: Managed field activities for subsurface soil and groundwater investigations during UST release investigations, extent of contaminated delineation, site closure, well decommissioning, and remediation activities.

Behles & Associates (Chapter 7 Trustee, US Bankruptcy Court – New Mexico); New Mexico and Oklahoma: Managed field activities for subsurface soil and groundwater investigations during UST release investigations and extent of contamination delineation.

Chevron U.S.A. Products Company; Alabama, Louisiana, and Mississippi: Managed field activities for subsurface groundwater release investigations, extent of contamination delineation, site closure, well decommissioning, and remediation activities.

Waste Management of North America; Arkansas, Louisiana, Mississippi, and Texas: Managed field activities for hydro-geological/geotechnical investigations at (4) major permitted facilities. Activities included the installation of soil borings, collection of soil samples, installation of monitor wells, slug testing with a hermit data logger and pressure transducer, slug test data reduction, production of soil profiles (cross-sections), and organization of subcontractors.

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Site Investigation Plaquemine, LA AECOM, INC. 21225 LA Highway 1 Plaquemine, LA 225-353-1357	Installation of Direct Push borings to 20' Convert to 1" temporary wells with pre-packed screens Grout borings upon completion of groundwater sampling	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7 days	\$20,935	AECOM

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Site Investigation Lafayette, LA ERM 8550 United Plaza Blvd., Ste 601 Baton Rouge, LA 225-368-2016	Installation of 2" PVC monitor wells Installation of flush mount surface completions	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
7 days	\$41,874	ERM

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
Site Investigation Avondale, LA Leaaf Environmental 2301 Whitney Ave Gretna, LA 504-342-2687	Installation of direct push borings Convert to 1" temporary wells with pre-packed screens Grout borings after groundwater sampling	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
3 days	\$9,086	Leaaf

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Site Investigation Weston Solutions 5599 San Felipe, Suite 700 Houston, TX 713-985-6627	Installation of direct push borings Concrete coring inside warehouse and in parking lot	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
4 days	\$15,750	Weston Solutions

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Site Investigation Egan, LA Arcadis US Inc. 10352 Plaza Americana Dr. Baton Rouge, LA 225-292-1004	Installation of 2-inch PVC wells to 60 and 90' Installation of 4-inch PVC wells to 60' Plug and abandonment of 4" well to 60' Lay truck mats to drill off of	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
9 days	\$52,000	Arcadis

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Site Investigation Lafayette, LA Marcus Guidry and Assoc. 141 Ridgeway Drive, Suite 111 Lafayette, LA 337-993-1117	Installation of DPT borings Convert to 1" temporary wells with pre-packed screens Grout borings after groundwater sampling	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
4 days	\$12,749	Marcus Guidry and Assoc.

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Site Investigation Tontitown, AR FTN Associates, LTD 3 Innwood Circle, Suite 220 Little Rock, AR 314-786-5855	Installation of 2" PVC monitor wells Collection of geotechnical samples Development of wells	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
14days	\$82,480	FTN

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
N/A		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
N/A		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
N/A		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

N/A

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature: Caleb Hill Print Name: Caleb Hill  
 Title: Project Manager Date: 12/22/2022

## **CERTIFICATIONS**



## State Licensing Board for Contractors

This is to Certify that:

WALKER-HILL ENVIRONMENTAL, INC.  
P. O. Box 1147  
Foxworth, MS 39483

is duly licensed and entitled to practice the following classifications

SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL; SPECIALTY: WATER WELL DRILLING



Witness our hand and seal of the Board dated,  
Baton Rouge, LA 19th day of February 2021

*Will B. Mott*

Director

*Lee Mallett*

Chairman

*Andy Dumas*

Treasurer

Expiration Date: February 18, 2024

License No: 34981

This License Is Not Transferrable



Office of Conservation | Department of Natural Resources  
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation  
for the Department of Natural Resource  
State of Louisiana

hereby acknowledges that

***WALKER-HILL ENVIRONMENTAL, INC.***

***GARY P. HILL***

has been licensed to drill monitoring wells and water wells under the provisions of R.S. 38:3098  
and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires **June 30, 2023** unless  
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 30th day of June, 2022

**RICHARD P. IEYOUB**

**COMMISSIONER OF CONSERVATION**

Office of Conservation  
Louisiana Department of Natural Resources

License No. WWC- # 574





Office of Conservation | Department of Natural Resources  
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation  
for the Department of Natural Resource  
State of Louisiana

hereby acknowledges that

***WALKER-HILL ENVIRONMENTAL, INC.***

***CALEB HILL***

has been licensed to drill monitoring wells and water wells under the provisions of R.S. 38:3098  
and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires **June 30, 2023** unless  
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this **4th** day of **May**, **2022**

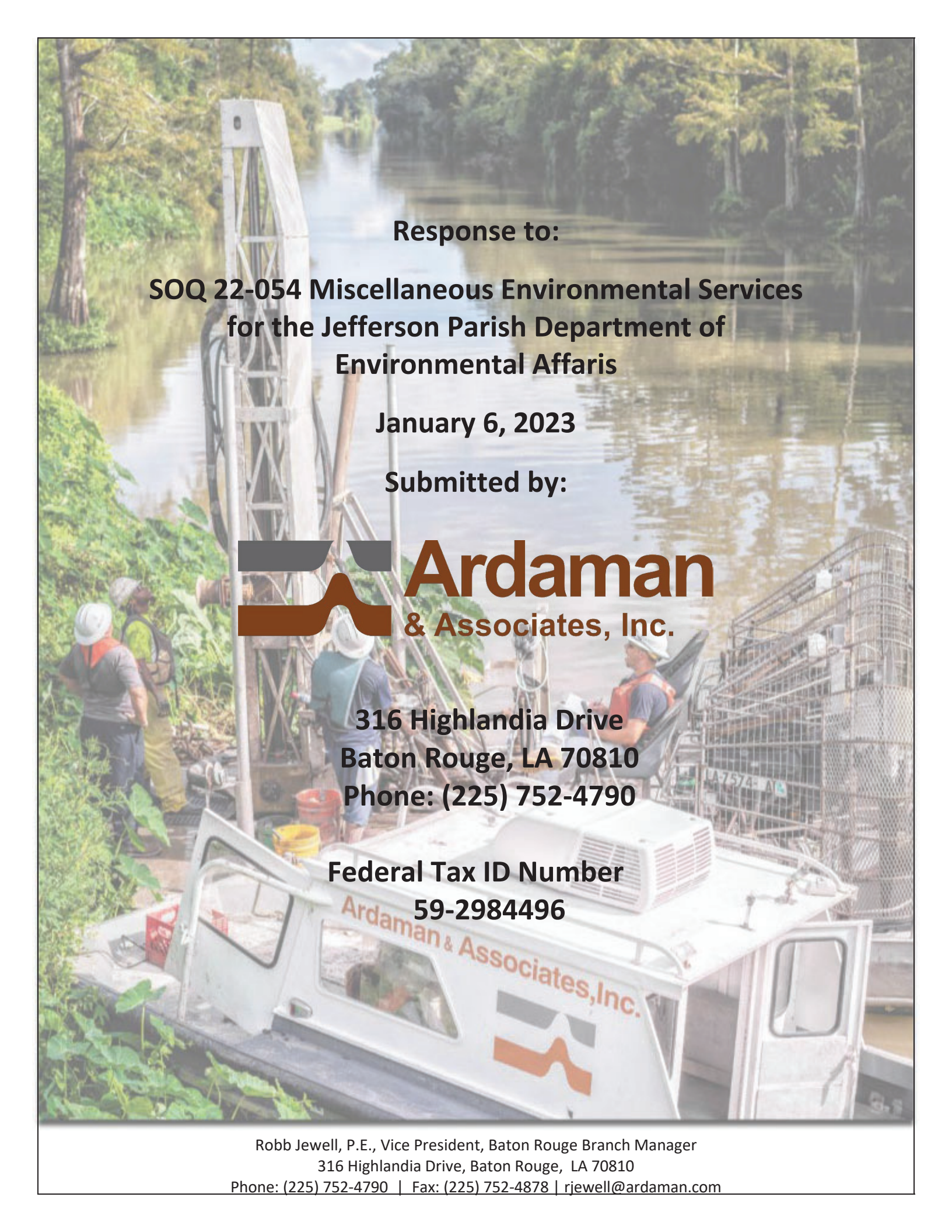
**RICHARD P. IEYOUB**

**COMMISSIONER OF CONSERVATION**

Office of Conservation  
Louisiana Department of Natural Resources

License No. WWC- **# 574**

**SUBCONTRACTOR  
QUESTIONNAIRE  
ARDAMAN AND ASSOCIATES, INC.**

The background image shows a river scene with a drilling rig on a barge. Several workers in hard hats and safety gear are visible on the barge. The rig is a tall, white, lattice-structured derrick. The river is calm, reflecting the surrounding green trees and foliage. The sky is overcast.

**Response to:**

**SOQ 22-054 Miscellaneous Environmental Services  
for the Jefferson Parish Department of  
Environmental Affaris**

**January 6, 2023**

**Submitted by:**



**316 Highlandia Drive  
Baton Rouge, LA 70810  
Phone: (225) 752-4790**

**Federal Tax ID Number  
59-2984496**

Robb Jewell, P.E., Vice President, Baton Rouge Branch Manager  
316 Highlandia Drive, Baton Rouge, LA 70810  
Phone: (225) 752-4790 | Fax: (225) 752-4878 | [rjewell@ardaman.com](mailto:rjewell@ardaman.com)

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

SOQ 22-054 Miscellaneous Environmental Services for the Jefferson Parish Department of Environmental Affairs

**B. Firm Name & Address:**

Ardaman & Associates, Inc.  
316 Highlandia Drive  
Baton Rouge, LA 70810

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

Robb Jewell, PE  
Vice President / Baton Rouge Branch Manager  
225.752.4790  
rjewell@ardaman.com

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

Robb Jewell, PE  
Vice President / Baton Rouge Branch Manager  
225.752.4790  
rjewell@ardaman.com

**E. Please provide the number of employees whose primary function corresponds with each category:**

<u>5</u> Administrative	<u>    </u> Estimators	<u>    </u> Specification Writers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>    </u> Structural Engineers
<u>    </u> Chemical Engineers	<u>9</u> Geotechnical Engineers	<u>    </u> Graduate Engineers
<u>    </u> Civil Engineers	<u>    </u> Interior Designers	<u>    </u> Project Managers
<u>20</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>    </u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>    </u> Grant/Funding Specialist
<u>    </u> Electrical Engineers	<u>    </u> Mechanical Engineers	<u>    </u> Sanitary Engineers
<u>7</u> Engineer Intern	<u>    </u> Environmental Engineers	
<u>    </u> Professional Land Surveyors	<u>25</u> Drillers/ Lab Techs	<u>66</u> <b>TOTAL</b>

**F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒**

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**



## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

<b>1.</b> N/A
<b>2.</b>

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES ☐ NO ☐

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
<b>1.</b> N/A		
<b>2.</b>		
<b>3.</b>		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

66



## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

Megan Bourgeois, PE

**Project Assignment:**

Project Engineer / Assistant Branch Manager

**Name of Firm with which associated:**

Ardaman & Associates, Inc.

**Years' experience with this Firm:**

16

**Education: Degree(s)/Year/Specialization:**

BS / 2006 / Civil Engineering

**Active registration: Year first registered/discipline:**

2011 / Civil LA No. 36725

**Other experience and qualifications relevant to the proposed Project:**

SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Project Manager. Ms. Bourgeois manages this multi-milliondollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage

## **Additional experience and qualifications relevant to the proposed Project:**

and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. She co-authored the geotechnical analysis and design report. Currently, she is managing a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.

SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA.

Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana, which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.

SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.

SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Manager. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program, processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.

SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Project Manager. Managed and oversaw all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.

SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE I-10: East Baton Rouge Parish, LA. Project Manager. Managed all aspects of the project that included field investigations, laboratory testing, and engineering design. This interchange consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10 and on/off-ramps in south Baton Rouge. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. She is currently assisting with the field construction monitoring.

SP NO. H.004100.5-2 / I-10 WIDENING (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Manager. Managed all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the entire alignment, laboratory testing and the preparation of a geotechnical data report.

SP NO. H.009266 / I-10 Widening LA 73 to LA 30: Ascension Parish, LA. Project Manager. Managing all aspects of the project that include field investigations consisting of 13 deep soil borings and 26 shallow soil borings, laboratory testing, and engineering design in support of the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5 miles. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, and pavement section recommendations; all completed according to DOTD standards.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Mark Woodward, PE
<b>Project Assignment:</b>
Senior Geotechnical Engineer
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
4
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 1982 / Civil Engineering ME / 1986 / Civil Engineering MS / 2019 / Risk Management
<b>Active registration: Year first registered/discipline:</b>
1991 / Civil LA No. 24206 2019 / Civil MS No. 29797 2019 / Civil TX No. 133042 2019 / Civil AL No. 38100-E
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>BAYOU LAFOURCE PUMP STATION, SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY /Donaldsonville, LA: Senior Geotechnical Engineer. Performed seepage, stability, and later earth pressure analysis for both riverside and landside cofferdams. Designed seepage seal for bottom of cofferdam excavation.</p> <p>HSDRSS JEFFERSON PARISH PUMP STATIONS FRONTING PROTECTION. Served as lead Geotechnical Engineer for multiple Jefferson parish pump-stations retrofits to provided flood risk reduction on both east bank along Lake Pontchartrain and along back levee and Harvey Canal in West Bank.</p>

## **Additional experience and qualifications relevant to the proposed Project:**

SP NO H.003370/ I-12/I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIRFORCE BASE ACCESS ROAD: Bossier Parish, LA. Principal Engineer. This Design Build project consisted of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from Interstate 20 in Shreveport, Louisiana. Mr. Woodward provided quality assurance for this project, reviewing all work product in design and construction phase.

SP NO. H.001344/ US 190: LA 437 TO USE 190 BUS (PH 1): St. Tammany Parish, LA. Principal Engineer. Mr. Woodward provided technical oversight for this project which includes the widening of US 190 to a four-lane boulevard between US 437 and US 190. A new bridge over the Bogue Falaya River will be constructed adjacent to, and east of, the existing bridge. The existing bridge will remain and function as two lanes of southbound traffic. The new bridge will be 54-feet-wide with three 12-foot travel lanes for 2 northbound traffic with an eight-foot shoulder to the inside and a 10-foot shoulder to the outside.

SOUTHEAST LOUISIANA URBAN FLOOD CONTROL, LOUISIANA AVENUE PAVING: Orleans Parish, LA. Chief of Structural Design. Served as decision maker as Chief of Structural Design, USACE New Orleans, for asphalt or concrete paving, looking at factors such as construction cost, durability, maintenance cycles and costs, constructability, construction duration, etc.

SP NO. H.008226/ CHENIERE SPILLWAY & BRIDGE REPLACEMENT: Ouachita Parish, LA. Senior Geotechnical Engineer. Mr. Woodward serves as the Principal Geotechnical Engineer for this project which includes the replacement of the current damaged spillway and bridge structure in Ouchita Parish, Louisiana. The scope of the proposed spillway and bridge replacement project involves demolishing the existing spillway and bridge and replacing them with a larger spillway northeast of the existing spillway and replacing the spillway with a drawdown structure. Mr. Woodward oversaw geotechnical design, reviewed contractor submittals and requests for information during ongoing construction.

RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, (Multiple SP No.'s) Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He provided oversight of the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.

SP NO. H.011152.5/ I-12 WIDENING (US 190 to LA 59): St. Tammany Parish, LA. Principal Engineer. Mr. Woodward provided technical oversight for this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between and US 190 and LA 59 for lane widening which included four bridge structures. Soil boring logs were created in LADOTD format. Mr. Woodward provided oversight for an effort to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments.

IMTT ACCESS ROAD PAVEMENT, AVONDALE: Jefferson Parish, LA. Principal Engineer. Served as senior engineer for 2,200-foot long x 50 -foot wide rigid and flexible roadway design for AASHTO loading per LADOTD guidelines, including subsurface exploration and testing, California Bearing Ratio, subbase material and thickness recommendations, wearing course thicknesses, and construction recommendations.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Robb Jewell, PE
<b>Project Assignment:</b>
Project Engineer / Branch Manager
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
15
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2009 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2013 / Civil LA No. 38579
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE &amp; APPROACH: Orleans Parish, LA. Project Engineer. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Mr. Jewell also helped develop the soil boring logs and preparation of the data report.</p> <p>SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 /RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Manager. Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.</p>



### **Additional experience and qualifications relevant to the proposed Project:**

SP No. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA. Project Manager. Oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell is currently overseeing the construction phase which includes dynamic testing and settlement monitoring.

SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Project Manager. Prepared the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from I-20 in Bossier City, Louisiana. Mr. Jewell oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring.

SP NO. H.004100.5-2 / I-10 WIDENING (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. Comanaged all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on westbound lanes along I-10 between LA 415 and Howard Street spanning approximately one mile. The geotechnical investigation will include 58 deep borings and 11 cone penetrometer (CPT) soundings, field resistivity testing, and associated laboratory testing and the preparation of a geotechnical data report.

SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Manager. Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.

SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Engineer. Lead technical review of all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Mr. Jewell also assisted with review of the laboratory testing program, processing and analyzing of the ECPT and ER data. He also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.

SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Project Manager. Manages the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings. The design was for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project. In addition, he will also oversee and coordinate the Phase 2 field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings.

SP No. H.013579 / PECUE LANE I-10 INTERCHANGE I-10: East Baton Rouge Parish, LA. Project Engineer. This interchange consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, and on/off-ramps in south Baton Rouge. Mr. Jewell helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. Mr. Jewell is currently overseeing the construction phase which includes dynamic testing and settlement monitoring.

SP NO. H.010601.5 / I-10 Widening (E. JET. I-49 TO LA 328): St. Martin Parish, LA. Project Engineer. Oversaw and coordinated the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.

SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA: Assistant Project Engineer. Served in the field as on-site geotechnical engineer during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Robert E. Rousset, PE Vice President / Regional Manager
<b>Project Assignment:</b>
Project Manager - Geotechnical Engineering
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
17
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2008 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2014 / Registered Professional Engineer / LA Civil Engineering LA No. 38637
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>MID-BRETON SEDIMENT DIVERSION (Plaquemines Parish, LA): Mr. Rousset serves as Project Manager for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee.</p> <p>BAYOU LAFOURCE PUMP STATION (Donaldsonville, LA): Mr. Rousset managed geotechnical investigation, laboratory testing, and engineering analyses for proposed replacement pump station which would increase the amount of freshwater diverted to Bayou Lafourche to a minimum of 1,000 cfs.</p> <p>I-12 WIDENING – HWYS 190 TO 59, St. Tammany Parish, LA, SP No. H.011152 (July 2016 – May 2017) Project Manager. Geotechnical Investigation for interstate widening project to rehabilitate approximately 4 miles of I-12 to the median side from a four lane freeway to a six lane freeway section in both the East and Westbound directions. US 190 and LA 59 Interchanges were included in the project.</p>

### **Additional experience and qualifications relevant to the proposed Project:**

SP NO. H.004113 / I-12 TO BUSH SEGMENT 3, LA HIGHWAY 3241 (LA 435 TO LA 40/LA 41): St. Tammany Parish, LA. Project Manager. Oversaw and coordinated the geotechnical investigation which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. Oversaw geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.

SP NO. H.003886.5 / I-49 SEGMENT J: Caddo Parish, LA. Assistant Project Engineer. Mr. Rousset planned the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.

SP NO. 700-29-0112 / LA 1 – PHASE 1: Lafourche Parish, LA. Assistant Project Engineer. Served in the field as onsite engineer for Phase 1A of this project in southeast Louisiana. The completed project consisted of 17 miles of elevated roadway with low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic monitoring using PDA, performing CAPWAP analyses, reviewed drive logs, and supervised field technicians.

SP NO. H.002260.5 / GOOSE BAYOU BRIDGE ROUTE LA 45: Lafitte, LA. Assistant Project Engineer. Managed geotechnical investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.

CENTRAL THRUWAY: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.

SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical surveys, associated laboratory testing and the preparation of a geotechnical data report. Mr. Rousset assisted with the fieldwork portion of this project.

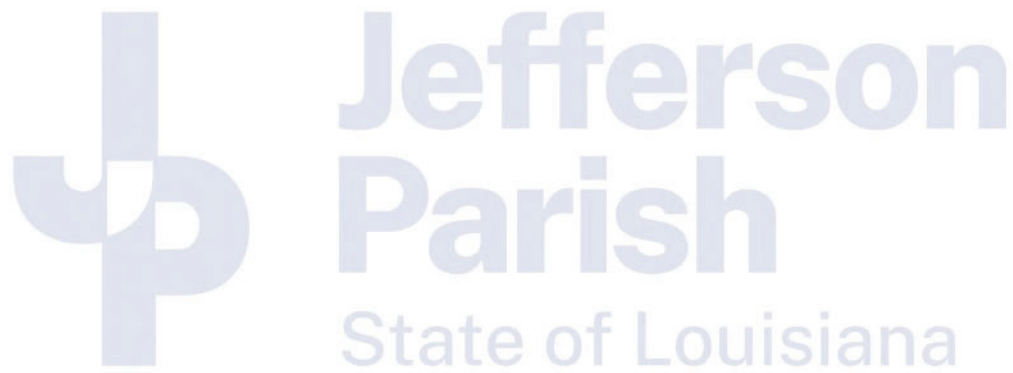
RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, (Multiple SP No.'s) Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He oversaw the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Peter Cali, PE
<b>Project Assignment:</b>
Geotechnical Engineer
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
7
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 1973 / Civil Engineering MS / 1977 / Civil Engineering Ph.D. / 1995 / Civil and Environmental Engineering
<b>Active registration: Year first registered/discipline:</b>
1977 / Civil LA No. 16757
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>MID-BARATARIA SEDIMENT DIVERSION STRUCTURE, CMAR TEAM: Geotechnical Engineering: Archer / Western CMAR Team, Dr. Cali coordinates the geotechnical aspects of the pre-construction design and cost estimating efforts for the AWA CMAR Team, including structure excavation stability and dewatering; design of the Interim Levee; conveyance channel excavation; borrow material suitability; and lime treatment for construction purposes. Pre-construction is \$19M; construction will be \$1.4B</p> <p>Mid-Breton Sediment Diversion / Plaquemines Parish, LA: Provided senior geotechnical consultation for early design decisions, including levee stability, seepage, and construction dewatering needs.</p> <p>Bayou Lafourche Pump Station, Southeast Louisiana Flood Protection Authority / Donaldsonville, LA: Provided senior geotechnical design consultation, including recommendations for levee stability, seepage, deep soil mixing needs.</p>

**Additional experience and qualifications relevant to the proposed Project:**

NEW ORLEANS AND VICINITY HURRICANE RISK REDUCTION SYSTEM, USACE HURRICANE PROTECTION OFFICE, New Orleans, LA: USACE Consultant. Managed contract in-house engineering professionals and AE designers in support of engineering and construction for the improvement of hurricane protection levees to the 100 year project-grade and to HSDRRS design standards, including LPV-111, LPV-109, IHNC Lake Borgne Surge Barrier, and the Seabrook Floodgate Complex. He established and revised design criteria for levees and floodwalls, and was part of a Value Engineering "Tiger" Team that saved \$50M on the Lake Borgne Surge Barrier and \$60M on LPV-111.





## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Chad Roe, PE
<b>Project Assignment:</b>
Geotechnical Engineer
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2008 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2017 / Civil LA No. 41908
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>1-12 WIDENING (US 190 TO LA 59), St. Tammany Parish, LA, SP H.011152.5. Assistant Project Engineer/Project Engineer. Mr. Roe helped manage this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including determining access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. Soil boring logs were created in LADOTD format. Mr. Roe is currently overseeing an effort to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments.</p>

### **Additional experience and qualifications relevant to the proposed Project:**

1-220/1-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCEBASE ACCESS ROAD, Bossier Parish, SP No.H.00 3370. Project Engineer. This Design Build project consisted of direct access to Interstate 1-20 from the Barksdale Air Force Base (BAFB ) and an interchange and access road from Interstate 20 in Shreveport, Louisiana. Mr. Roe is currently helping oversee the field investigation, laboratory testing, and engineering analyses for the project.

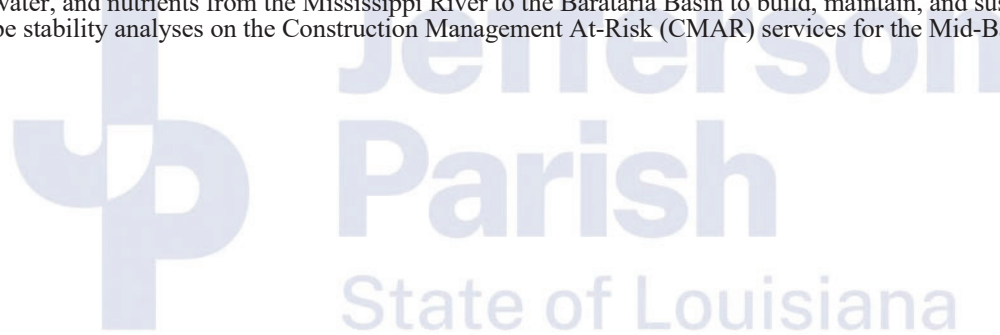
WATERFORD-CHURCHILL TRANSMISSION LINE, ENTERGY SERVICES, INC. / Jefferson and St. Charles Parishes, LA: Project Engineer. Coordinated field exploration, assigned laboratory testing, classified soil borings, performed pile capacity analyses for substation design.

ADM DOCK, ARCHER MCDANIELS MIDLAND / Ama, LA: Assistant Project Engineer: Coordinated field exploration, assigned laboratory testing, classified soil borings, performed pile axial capacity analyses for dock design.

LULING SUBSTATION, ENTERGY SERVICES, INC. / Luling, LA: Assistant Project Engineer: Coordinated field exploration, assigned laboratory testing, classified soil borings, performed bearing capacity, settlement, and pile and drilled shaft axial capacity analyses for substation design.

MID-BRETON SEDIMENT DIVERSION / Plaquemines Parish, LA: Project Engineer. The project consists of CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee. Mr. Roe assisted in planning boring locations and safety information and documentation for the project.

MID-BARATARIA SEDIMENT DIVERSION / Plaquemine Parish, LA: Project Engineer. The Mid-Barataria Sediment Diversion will provide sediment, water, and nutrients from the Mississippi River to the Barataria Basin to build, maintain, and sustain wetlands. Mr. Roe performed slope stability analyses on the Construction Management At-Risk (CMAR) services for the Mid-Barataria Diversion Project.



## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Chandler Willis
<b>Project Assignment:</b>
Laboratory Manager
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
11
<b>Education: Degree(s)/Year/Specialization:</b>
BS / 2004/ Marketing
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE AND APPROACH: Orleans Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests. Assisted in performing field resistivity testing along the alignment.</p> <p>SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE 2, ROUTE US 90-Z: Jefferson Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.</p>

### **Additional experience and qualifications relevant to the proposed Project:**

SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Laboratory Manager. Ardaman's scope of work for this project consists of geotechnical engineering pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Mr. Willis managed all aspects of the laboratory program for this project.

SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE I-10: East Baton Rouge Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests.

SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA. Laboratory Manager Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.

SP NO. H.002260.5 / GOOSE BAYOU BRIDGE GEOTECHNICAL INVESTIGATION, ROUTE LA 45: St. Tammany Parish, LA. Laboratory Manager. Project subconsultant to T. Baker Smith, the third segment, LA 435 –LA 40/LA 41 included 26 soil borings, sampling, and laboratory testing along with engineering analyses along an alignment that includes one bridge LA 435 over Talisheek Creek.

SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and Consolidated-Drained Direct Shear Tests.

SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Laboratory Manager & Senior Field Technician. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical survey, associated laboratory testing and the preparation of a geotechnical data report. Mr. Willis assisted with all aspects of the laboratory program for this project as well as completion of the electrical resistivity surveys along the alignment.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Jim Porter
<b>Project Assignment:</b>
Senior Driller
<b>Name of Firm with which associated:</b>
Ardaman & Associates, Inc.
<b>Years' experience with this Firm:</b>
48
<b>Education: Degree(s)/Year/Specialization:</b>
N/A
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
FRONT RIDGE CHENIER TERRACING I, Vermillion Parish, LA: Senior Driller. Project objective is to create terracing to reduce wave fetch, reestablish emergent marsh and prevent further deterioration to the shoreline of the Front Ridge community. Mr. Porter was Sr. Driller for the geotechnical investigation which included contacting landowners and acquiring documented access permission, notification and coordination with the USACE; and utility location for the borings. He supervised and performed borings during the field investigation where Ardaman conducted 10 borings at the site to a depth of 40 feet and GPS data was collected for each boring location. Cost:\$157.5k



## **Additional experience and qualifications relevant to the proposed Project:**

OYSTER BAYOU MARSH RESTORATION / Cameron Parish, LA: Senior Driller. Approximately 510 acres of marsh will be created and 90 acres will be nourished by hydraulically dredging material from the Gulf of Mexico and pumping it to the designated fill area. Also, approximately 14,140 LF of earthen terraces will be constructed and planted. Mr. Porter performed a total of 19 borings at the subject site, with GPS data collected at each location. Five borings were performed to a depth of 60 feet below ground surface and 14 borings were performed to a depth of 40 feet. Cost: \$259k

SP NO. H.004273.5 / I-49 CONNECTOR, GEOTECHNICAL INVESTIGATION: Lafayette Parish, LA. Drilling Supervisor. Supervised the completion of preliminary field investigation consisting of 116 deep and shallow borings and 15 cone penetrometer test (CPT) soundings.

SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA. Drilling Supervisor. Oversaw the completion of 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings and sampling along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2.

SP NO. 700-09-0166 & H.003886.5 / I-49 SEGMENTS E-J: Caddo, LA. Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.

SP NO. H.003495.5 / I-49 SEGMENT K (I-220 TO MLK): Caddo Parish, LA. Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.

SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Drilling Supervisor. Mr. Porter assisted with many aspects of this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. He was instrumental in designing and installing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. Currently, he is assisting with a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.

SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Drilling Supervisor. Assisted with all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.

SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Drilling Supervisor. Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.

SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigation program which included 58 deep soil borings and 11 cone penetrometer (CPT) soundings for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile.

SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ardaman also developed soil boring logs and prepared a geotechnical data report.

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Reliability Project, Jefferson and Plaquemines Parishes, LA</p> <p>Owner: Entergy Services, Inc. Justin Richard, P.E. 639 Loyola Avenue New Orleans, LA 70113 jrich18@entergy.com</p>	<p>The project consisted of the improvements to Entergy's Westwego, Barataria, and Alliance Substations and associated applicable Transmission Lines in Jefferson and Plaquemines Parish, Louisiana. Ardaman performed 20 soil borings within the footprint/alignment of the proposed improvements to the substations and associated applicable Transmission Lines to a depth of 100 feet below existing ground surface. Geotechnical laboratory testing was performed on selected samples collected from the soil borings during the investigation. All geotechnical tests were performed in accordance with the appropriate AASHTO and ASTM standards. Analyses were performed to characterize the geotechnical conditions at the site. In addition to describing the field and laboratory procedures and presenting the results, the report contained: Soil Boring Logs; Site preparation, grading, shallow excavation and trenching recommendations; Soil Resistivity test results; Deep drilled shaft and driven pile foundation recommendations; Drilled shaft compression and uplift capacities; Driven timber (Class B) and concrete pile compression and uplift capacities; Bearing capacity and other shallow foundation recommendations; and Results of settlement analyses of foundations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2019	N/A	\$139,382

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Caminada Headlands, Lafourche &amp; Jefferson Parishes, LA</p> <p>Owner: Coastal Protection Restoration Authority Amanda Taylor, PE 150 Terrace Avenue Baton Rouge, LA 70802</p>	<p>Ardaman performed the Geotechnical Investigation for the Caminada Headlands Back Barrier Marsh Creation Increment II Project (BA-193). The project will consist of the creation and nourishment of approximately 444 acres of marsh. Ardaman performed soil borings and CPTs utilizing our amphibious drilling equipment. We also performed specialized geotechnical laboratory testing. Our engineering scope consisted of settlement and stability analyses.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2018	N/A	\$200,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<p>Galleria Lift Station Gravity Sewer Line, Metairie, LA</p> <p>Owner:  Jefferson Parish c/o  GreenPoint Engineering  Amer Tufail, PE, BCEE  701 Loyola Avenue  Suite 801  New Orleans, LA 70113</p>	<p>Provided field investigation, laboratory testing, and geotechnical engineering services to aid in the construction of 350 feet of new gravity sewer line between the G6-2 Lift Station and the Galleria Lift Station in Metairie, LA. Consisted of 2 undisturbed soil borings to a depth of 40 feet below existing ground surface, laboratory testing including strength and classification tests, and geotechnical evaluations to develop the following recommendations: pipeline bedding and backfill recommendations, excavation and general dewatering recommendations, estimates of settlement, site preparation recommendations, and the preliminary design for a temporary retaining system.</p>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
May 2018	N/A	\$9,850

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Bayou Lafourche Pump Station</p> <p>Owner:  Bayou Lafourche Fresh Water District  Ben Malbrough, P.E.  985-447-7155  ben.malbrough@blfwd.org</p>	<p>This project consisted of improving the capacity of the existing pumping station in Donaldsonville, LA to a minimum of 1,00 cfs. and to introduce enough fresh water from the Mississippi River into Bayou Lafourche in order to benefit the bayou's historical flow area. Ardaman performed 9 soil borings to depths ranging from 85 to 120 feet below surface level. Laboratory tests were performed including standard penetration testing, moisture content determinations, unit weight determinations, soil classification, particle size analysis, and strength testing. Ardaman performed all geotechnical engineering analyses for the pump station structure.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
December 2019	N/A	\$200,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Mid Barataria Sediment Diversion CMAR, Plaquemines Parish, LA  Owner: Coastal Protection & Restoration Authority (CPRA) Brad Barth, PE 225.342.4553	The Mid-Barataria Sediment Diversion will provide sediment, water, and nutrients from the Mississippi River to the Barataria Basin, in order, to build, maintain, and sustain wetlands. The project will be located in Plaquemines Parish, Louisiana, along the west bank of the Mississippi River, just north of Ironton and south of the Phillips 66 Alliance Refinery, near Mississippi River Mile 61.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$13,800,000	\$600,000

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Mid-Breton Sediment Diversion, Plaquemines Parish, LA  Owner: Coastal Protection & Restoration Authority (CPRA) Brad Barth, PE 225.342.4553	This project will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$60,000,000	\$1,600,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Geotechnical Investigation for Gerttown Natatorium and NOPD 2nd District  Owner: City of New Orleans Gerttown Natatorium & NOPD 2nd District Police Station New Orleans, LA City of New Orleans 1300 Perdido Street, Ste 6E15, New Orleans, LA 70112 Rodney A. Dionisio, Project Manager	Conducted a geotechnical investigation and provided engineering services for Gerttown Natatorium and NOPD 2nd District Police Station.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	N/A	\$30,800

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
St. Roch Neighborhood Pavement & Infiltration  Owner: City of New Orleans Jennifer Larmeu 1300 Perdido Street Suite 6W03 New Orleans, LA 70112 504.	Conducted a geotechnical investigation consisting of 17 soil borings for pavement design and 7 soil borings for infiltration tests. Laboratory tests were conducted and engineering analyses performed for the drainage upgrade and roadway improvement project.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2016	N/A	\$26,500



## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
SELA 07C & SELA 07B Pump to the River 84" Discharge Tubes, Levee Crossing & Discharge Basin (Subconsultant to Hartman Engineering, Inc.)  Owner: Jefferson Parish c/o Hartman Engineering, Inc. Scott Chehardy 527 W. Esplanade Avenue Suite 300 Kenner, LA 70065	The project consisted of 5 major structures including: intake culverts, a pump station with three drainage pumps, discharge pipes, a levee crossing (70 ft. x 55 ft. in plan dimensions of box culverts, with a new levee and sheet piling), and an outfall structure / discharge basin. Ardaman reviewed the geotechnical report, provided plans and specifications, and reviewed the contractor's submittals for the design and installation of piles, shoring, and dewatering.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2018	N/A	\$16,657

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Elise Avenue Pump Station (Subconsultant to CB&I)  Owner: Jefferson Parish c/o CB&I Gene Gillen 504.832.4881	Geotechnical investigation, laboratory testing, and engineering analysis for proposed new Elise Avenue pump station in Metairie, LA.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	N/A	\$14,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 11</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>I-12 to Bush, Bush, LA</p> <p>Owner: LADOTD 1201 Capitol Access Road Baton Rouge, LA 70802</p>	<p>This project consisted of the design of a new highway which ties into I-12 at the existing I-12/LA 434 Interchange (Exit 74) and proceeds northerly along LA 434 for approximately 2.5 miles then leaves the existing highway and proceeds on new alignment until it connects with an abandoned railroad corridor approximately 1.7 miles north of LA 36. The alignment then follows the abandoned railroad alignment north and ties into the intersection of LA 40 and LA 41. The project is divided into three distinct project segments for which Ardaman was on the teams selected for Segments 2 and 3.</p> <p>Segment 2 consists of an 8-mile alignment between LA 36 and LA 435 including two bridge structures and 8 culvert structures. The field investigation included field reconnaissance including access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. The project consisted of 32 deep soil borings, 10 intermediate culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment. Global Positioning System (GPS) data was collected at each soil boring location along with groundwater level readings.</p> <p>Soil boring logs were created in LADOTD format. Ardaman also provided geotechnical analyses and recommendations according to LRFD guidelines that included recommended pile capacities, culvert bearing capacities, embankment settlement analyses, and a pile data table.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2018	\$3,197,000	\$460,000

<b>PROJECT NO. 12</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>I-12 Widening, Highways 190 to 59 Bush, LA (Subconsultant to T. Baker Smith)</p> <p>Owner: LADOTD 1201 Capitol Access Road Baton Rouge, LA 70802</p>	<p>Ardaman conducted a geotechnical Investigation for interstate widening project to rehabilitate approximately 4 miles of I-12 to the median side from a four lane freeway to a six lane freeway section in both the East and Westbound directions. US 190 and LA 59 Interchanges were included in the project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	N/A	\$315,075

## TEC Professional Services Questionnaire

<b>PROJECT NO. 13</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>Rural Bridge Initiative Phase II</p> <p>Owner: LADOTD</p> <p>Location: West Feliciana, East Feliciana, Livingston, St. Bernard Parish, LA</p>	<p>This project consisted of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana (Districts 02, 03, 07, 61, and 62) which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.</p> <p>Ardaman was retained by the LADOTD through a Civil Engineering Prime at the beginning of the project in 2020. Our portion of work on the project began in early 2021 and the project is currently ongoing. The scope of services include:</p> <ul style="list-style-type: none"> <li>•Geotechnical field exploration (field reconnaissance, utility location, mobilization/demobilization, GPS location/elevation); consisting of 31 borings to about 110 ft. below existing ground surface or pavement surface.</li> <li>•Geotechnical laboratory testing services;</li> <li>•Geotechnical design and construction testing program recommendations.</li> </ul> <p>In addition to the vast scope of field investigation that included deep borings and laboratory testing, the scope of services for this project also included pile foundation design, slope stability, drivability, and settlement analyses to be provided in multiple geotechnical design reports.</p>	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	N/A	\$460,000

<b>PROJECT NO. 14</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>LA-1 Phases 1 and 2</p> <p>Owner: LADOTD</p> <p>Location: Port Fourchon to Leeville; and Leeville to Golden Meadow, LA</p>	<p>The project consisted of the construction of a replacement highway between Port Fourchon and Golden Meadow, Louisiana consisting of 17 miles of elevated roadway with pile supported approaches, low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Once completed, the new highway will be almost as long as the Pontchartrain Bridge near New Orleans, generally regarded as the world's longest bridge. Ardaman faced an additional challenge of drilling in the sensitive marsh environment under jurisdiction of LA's Dept. of Natural Resources. This concern was addressed by developing an environmentally sensitive drilling program that included custom designing airboats mounted with drilling equipment. Ardaman was retained by the LADOTD at the beginning of the project in 2003 and was involved through the end of 2011. The scope of services included:</p> <ul style="list-style-type: none"> <li>•Geotechnical field exploration (field reconnaissance, rights of entry, utility location, marsh access, mobilization/demobilization, GPS location/elevation) for Phases 1 and 2; consisting of over 100 borings and CPT soundings</li> <li>•Geotechnical laboratory testing services for Phases 1 and 2;</li> <li>•Geotechnical design of Phase 1; and</li> <li>•Pile quality assurance testing and resistance verification services during construction of Phase 1, consisting of over 400 piles.</li> </ul> <p>In addition to the vast scope of field investigation that included deep borings, shallow borings and ECPT soundings and laboratory testing, the scope of services for this project also included pile foundation design, testing, and inspection services.</p>	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
12/2011	N/A	\$3,400,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 15</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
US 90 @ LA 3046  Owner: LADOTD  Location: Jefferson Parish, LA	This project consisted of lane closures and flagging operations according to Louisiana Department of Transportation & Developments Guidelines.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Ongoing	N/A	\$190,000

<b>PROJECT NO. 16</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. None		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Our South Louisiana Offices currently have a total of five drill/CPT crews. All of our drilling staff has experience with performing soil borings and/or CPTs or instrumentation installation in accordance with ASTM, CPRA, and HSDRRS Design Guidelines. We possess a wealth of drilling expertise and equipment necessary for drilling on soft ground, marsh, open water, etc.

We maintain two of the best equipped geotechnical laboratories in the state located in New Orleans and Baton Rouge. Our laboratories are highly qualified to perform the geotechnical tests required for the anticipated projects under this contract. Both the Baton Rouge and New Orleans laboratories have been inspected and validated by the USACE for geotechnical testing and are accredited by AASHTO.

Ardaman's South Louisiana Offices are staffed with numerous experienced professionals capable of delivering a quality product. As has been demonstrated through our ongoing relationships and reputation with other agencies such as the USACE, CPRA, LADOTD, and SLFPA-E, our engineers are capable of managing multiple high-profile, large scale projects simultaneously. We have a local staff of eleven Registered Professional Engineers (PE) and six Engineer Interns (EI) that all have recent experience working on projects similar to those that are anticipated under this contract. We are all local and always available to meet upon short notice to ensure all project's schedules are met, fees are under budget, and deliverables exceed expectations.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature:  Print Name: Robb Jewell, P.E.

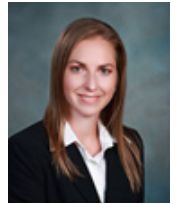
Title: Vice President / Baton Rouge Branch Manager Date: 01.06.2023



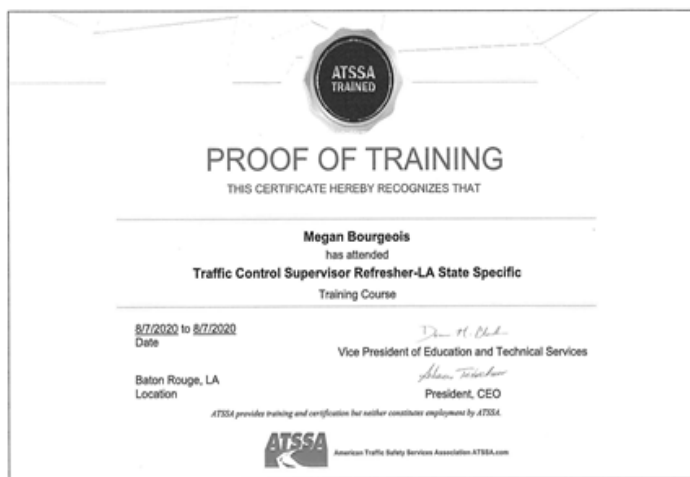
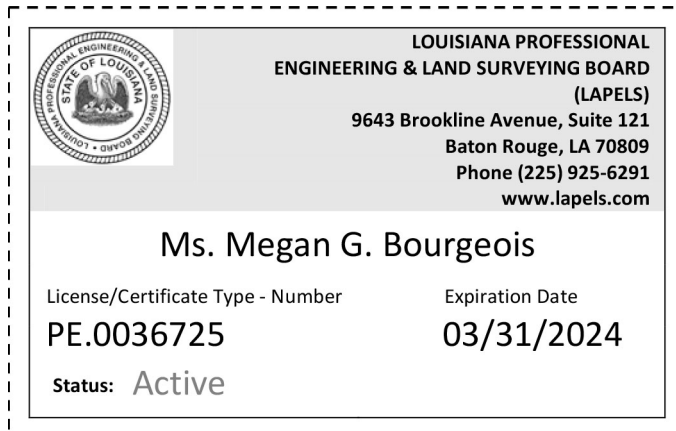


## Certifications & Licenses

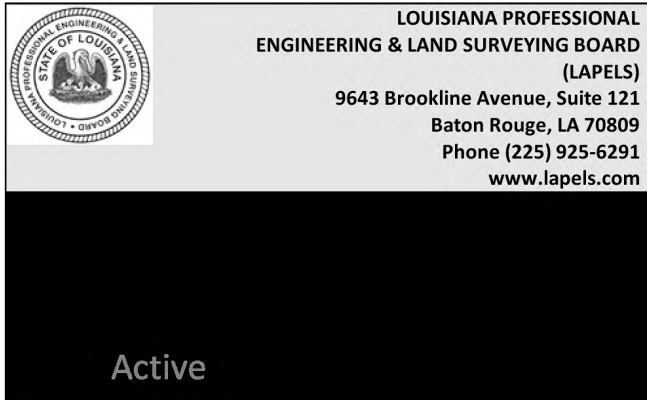
# PROFESSIONAL LICENSE & CERTIFICATIONS



**MEGAN BOURGEOIS, PE**  
ASSISTANT BRANCH MANAGER/LABORATORY DIRECTOR



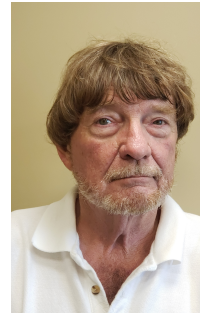
## PROFESSIONAL LICENSE & CERTIFICATIONS



**ROBERT JEWELL, P.E.**  
BATON ROUGE BRANCH MANAGER/PROJECT ENGINEER



## PROFESSIONAL LICENSE & CERTIFICATIONS

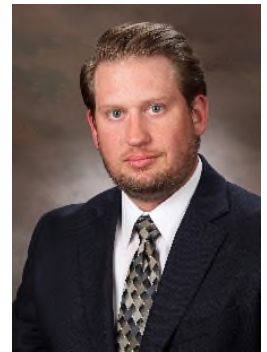
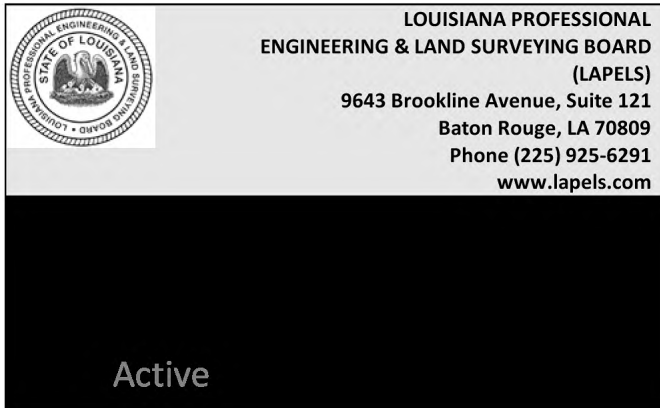


**JULIAN "JIM" PORTER**

DRILLING SERVICES SUPERVISOR/SENIOR DRILLER



## **PROFESSIONAL LICENSE & CERTIFICATIONS**



**ROBERT ROUSSET, P.E.**  
NEW ORLEANS BRANCH MANAGER/PROJECT ENGINEER




## PROFESSIONAL LICENSE & CERTIFICATIONS



**CHANDLER WILLIS, BS**  
LABORATORY MANAGER



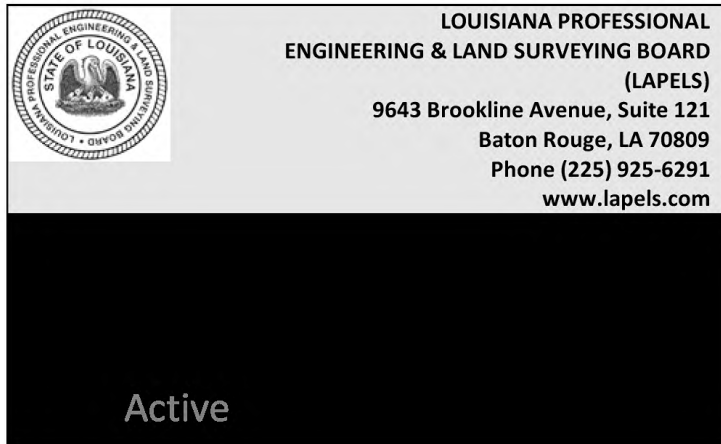
## PROFESSIONAL LICENSE & CERTIFICATIONS

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>
<b>Mr. Mark Lee Woodward</b>	
License/Certificate Type - Number	Expiration Date
<b>PE.0024206</b>	<b>09/30/2023</b>
<b>Status: Active</b>	



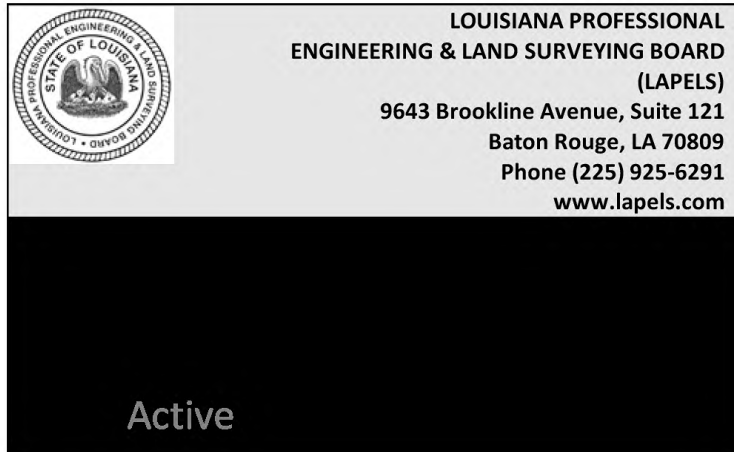
**MARK WOODWARD, P.E.**  
PRINCIPAL ENGINEER

## PROFESSIONAL LICENSE & CERTIFICATIONS



**CHAD ROE, P.E.**  
PR J ENGINEER

## **PROFESSIONAL LICENSE & CERTIFICATIONS**



**PETE CALI, P.E.**  
PR J ENGINEER



*Louisiana*  
**SECRETARY  
OF STATE**  
R. MYKE ABDO

(<https://www.sos.la.gov/Pages/default.aspx>)

## Search for Louisiana Business Filings

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Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

### Previous Names

**Business:** ARDAMAN & ASSOCIATES, INC.

**Charter Number:** 34396031F

**Registration Date:** 12/13/1991

### Domicile Address

8008 SOUTH ORANGE AVENUE  
ORLANDO, FL 32809

### Mailing Address

3475 E. FOOTHILL BLVD.  
PASADENA, CA 91107

### Principal Business Office

8008 SOUTH ORANGE AVENUE  
ORLANDO, FL 32809

### Registered Office in Louisiana

3867 PLAZA TOWER DR.  
BATON ROUGE, LA 70816

### Principal Business Establishment in Louisiana

316 HIGHLANDIA DR.  
BATON ROUGE, LA 70810

### Status

**Status:** Active

**Annual Report Status:** In Good Standing

**Qualified:** 12/13/1991

**Last Report Filed:** 11/18/2021

**Type:** Business Corporation (Non-Louisiana)

### Registered Agent(s)

**Agent:** C T CORPORATION SYSTEM

**Address 1:** 3867 PLAZA TOWER DR.

**City, State, Zip:** BATON ROUGE, LA 70816

**Appointment  
Date:** 12/13/1991

GET HELP

**Officer(s)**

**Additional Officers:** No



**The Louisiana Professional Engineering and Land Surveying Board has the following information on file:**

<b>Name:</b>	<b>Public Address:</b>
Ardaman & Associates, Incorporated	8008 South Orange Avenue  Orlando, Florida 32859-3003

**License/Certificate Information w/  
Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001680	Active	01/14/1992	03/31/2024	Mr. Robert Edwin Jewell # PE.0038579 ; Mr. Robert Egli Rousset # PE.0038637 ; Mr. Rodrigo Home # PE.0040518



# CERTIFICATE OF ACCREDITATION



## Ardaman & Associates, Inc.

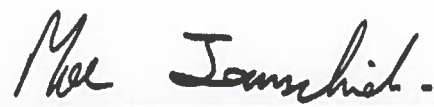
in

### Baton Rouge, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](https://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 01/05/2023 at 8:25 AM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://aashtoresource.org/aap/accreditation-directory)



# SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.

in Baton Rouge, Louisiana, USA

## Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/09/2009
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	12/26/2013



# SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.

in Baton Rouge, Louisiana, USA

## Soil

Standard:	Accredited Since:
T288 Minimum Soil Resistivity	01/31/2019
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/09/2009
D422 Particle Size Analysis of Soils by Hydrometer	11/09/2009
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/16/2016
D854 Specific Gravity of Soils	02/14/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	02/14/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/16/2016
D2166 Unconfined Compressive Strength of Cohesive Soil	06/16/2016
D2216 Laboratory Determination of Moisture Content of Soils	11/09/2009
D2434 Permeability of Granular Soils (Constant Head)	04/27/2022
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/14/2012
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/26/2013
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/26/2013
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	02/14/2012
D2937 Density of Soil in Place by the Drive-Cylinder Method	01/31/2019
D2974 Determination of Organic Content in Soils by Loss on Ignition	02/14/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	11/09/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	11/09/2009
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	01/31/2019
D4972 pH Testing of Soils	12/26/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/26/2013
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/27/2022
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/31/2019



# SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.

in Baton Rouge, Louisiana, USA

## Aggregate

Standard:	Accredited Since:
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	01/31/2019
C127 Specific Gravity and Absorption of Coarse Aggregate	09/17/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/17/2021
C136 Sieve Analysis of Fine and Coarse Aggregates	01/31/2019
C566 Total Moisture Content of Aggregate by Drying	01/31/2019
C702 Reducing Samples of Aggregate to Testing Size	01/31/2019
D75 Sampling Aggregate	01/31/2019





# SCOPE OF AASHTO ACCREDITATION FOR:

Ardaman & Associates, Inc.

in Baton Rouge, Louisiana, USA

## Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	09/17/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	09/17/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/17/2021
C143	Slump of Hydraulic Cement Concrete	09/17/2021
C172	Sampling Freshly Mixed Concrete	09/17/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/17/2021
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/12/2022
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/17/2021
C1231 (6000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/17/2021

JOHN BEL EDWARDS  
GOVERNOR



CHUCK CARR BROWN, PH.D.  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

**Read Receipt Requested**

**AI No. 30726**  
**Activity No. ACC20220001**  
**LELAP Lab ID # 02052**  
**Accreditation Year FY 2023**  
**Renewal due FY 2026**

Ms. Megan G. Bourgeois  
Ardaman & Associates Inc  
316 Highlandia Dr  
Baton Rouge, Louisiana 70810-5904

**Re: Renewal Scope of Accreditation**

Dear Ms. Bourgeois:

On May 17, 2022, the Louisiana Environmental Laboratory Accreditation Program (LELAP) received a renewal application with a request for an amendment to your Scope of Accreditation. LELAP amends the Scope issued May 07, 2021 with effective date July 1, 2021 to include the parameters requested. Additions are highlighted in the attached scope.

The Louisiana Department of Environmental Quality's laboratory accreditation program, in accordance with Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, accredits this laboratory for Fiscal Year 2023. This accreditation does not constitute an endorsement of the suitability of the listed methods for any specific purpose. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. The laboratory is accredited for the methods as identified on the application for accreditation; if the methods are partially identified on the application for accreditation, the laboratory is accredited for the versions listed on the current application or referenced in the laboratory standard operating procedure.

Louisiana Environmental Laboratory Accreditation Program (LELAP) accreditation is granted for those methods/analytes for which "STATE" is indicated as the type of accreditation. "AASHTO" is indicated as the type of accreditation for those methods/analytes for which accreditation by the AASHTO Accreditation Program (AAP) is granted. Accreditation is dependent on the laboratory's successful ongoing compliance with regulations as outlined in the Louisiana Administrative Code, Title 33, Part I, Subpart 3, Laboratory Accreditation, and with the requirements of AAP.

The accreditation certificate is the property of the State of Louisiana. Should your accreditation be suspended or revoked, your laboratory must return the certificate of accreditation to the department and delete any electronic copies until your accreditation status is restored.

Ms. Megan G. Bourgeois  
Ardaman & Associates Inc  
Page 2 of 2

LAC 33:I.5313.A requires that the laboratory report include all relevant information. Therefore, the certificate number shall be placed in the upper right corner of all laboratory reports. If the test report includes results of any test for which the laboratory is not accredited, the unaccredited results must be clearly identified as such.

**We request that you examine the scope of accreditation attachment for accuracy and completeness.** If you find that an analyte for which you expected to be accredited is not listed, please examine your records to ensure that:

1. You have met the requirements for successful participation in proficiency test studies as outlined in LAC 33:I.4711.
2. In the case of accreditation by recognition, the requested analyte must be listed for the requested method and matrix on both the certificate issued by the Primary Accreditation Body *and* on the Louisiana application form.

If after reviewing this information, the scope and/or certificate are inaccurate, please notify us immediately.

If you have any questions, please contact your assigned assessor Alexandra Alvarado, Environmental Scientist at (225) 219-7585.

Sincerely,



Tonya Landry  
Administrator  
Public Participation and Permit Support Services Division

6/30/2022  
Date

TL:PB:aa



**STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Is hereby granting a Louisiana Environmental Laboratory Accreditation to**



**Ardaman & Associates Inc  
316 Highlandia Dr  
Baton Rouge, Louisiana 70810-5904**

**Agency Interest No. 30726  
Activity No. ACC20220001**

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

**Tonya Landry  
Administrator  
Public Participation and Permit Support Services Division**

**Issued Date:** 6/30/2022

**Effective Date:** July 1, 2022  
**Expiration Date:** June 30, 2023  
**Certificate Number:** 02052





STATE OF LOUISIANA  
DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2022

316 Highlandia Dr, Baton Rouge, Louisiana 70810-5904

Certificate Number: 02052

Ardaman & Associates Inc  
AI Number: 30726  
Activity No. ACC20220001  
Expiration Date: June 30, 2023

### Air Emissions

NONE	NONE	NONE	NONE	NONE
------	------	------	------	------

### Non Potable Water

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE

### Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
100031 - Amount Of Soil Finer Than The No. 200 Sieve	ASTM D1140	1370	AASHTO	AAP
100032 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D1557	1377	AASHTO	AAP
100033 - Unconfined Compressive Strength Of Soil	ASTM D2166	1383	AASHTO	AAP
100148 - Hydraulic Conductivity	ASTM D2434	1388	AASHTO	AAP
100527 - Hydraulic Conductivity (granular material)	ASTM D2434	1388	AASHTO	AAP
100238 - One-Dimensional Consolidation Properties of Soils	ASTM D2435	1389	AASHTO	AAP
100034 - Classification Of Soils For Engineering Purposes (Unified Soil Classification System	ASTM D2487	1390	AASHTO	AAP
100035 - Soil Classification Visual - Manual (Field)	ASTM D2488	1391	AASHTO	AAP
100036 - Unconsolidated, Undrained Triaxial Compression	ASTM D2850	1393	AASHTO	AAP
100227 - Dry Preparation of Samples	ASTM D421	1404	AASHTO	AAP
100039 - Atterberg Limits of Soils	ASTM D4318	1410	AASHTO	AAP
100040 - Liquid Limit	ASTM D4318	1410	AASHTO	AAP
100041 - Plastic Limit	ASTM D4318	1410	AASHTO	AAP
100042 - Plasticity Index	ASTM D4318	1410	AASHTO	AAP
1900 - pH	ASTM D4972	1427	AASHTO	AAP
100044 - Hydraulic Conductivity (Flexible Wall Permeameter)	ASTM D5084	1428	AASHTO	AAP
100032 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D698	1439	AASHTO	AAP
100043 - Specific Gravity Of Soils	ASTM D854	1441	AASHTO	AAP
100539 - Particle Size Distribution	ASTM D6913	2468	AASHTO	AAP
100176 - In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938	2469	AASHTO	AAP
3850 - Moisture content	ASTM D2216-10	30025106	AASHTO	AAP
7987 - Organic Content Of Soil By Ignition	ASTM D2974-07A, Rev.2007	30026450	AASHTO	AAP

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.



## Solid Chemical Materials

100038 - Particle Size Analysis Of Soils	ASTM D422 63 (7)	30030854	AASHTO	AAP
--	------------------	----------	--------	-----

## Biological Tissue

Analyte	Method Name	Method Code	Type	AB
NONE	NONE	NONE	NONE	NONE



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Ardaman & Associates, Inc.**

316 Highlandia Drive  
Baton Rouge, LA, United States  
Megan Bourgeois  
(225) 752-4790

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF  
GENERATION:**

**05 JAN 2023 AT 07:31 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 07/27/2023**

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON  
OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director  
USACE Materials Testing Center  
Vicksburg, Mississippi, USA

**AGGREGATE**

Aggregate - D 75 - Sampling  
Aggregate - C 117 - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Aggregate - C 136 - Sieve Analysis of Aggregates  
Aggregate - C 566 - Total Moisture Content  
Aggregate - C 702 - Reducing Samples to Testing Size

**SOILS**

Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants  
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)  
Soils - D 698 - Compaction Characteristics by Standard Effort  
Soils - D 854 - Specific Gravity of Soils  
Soils - D 1140 - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Soils - D 1557 - Compaction Characteristics by Modified Effort  
Soils - D 2166 - Unconfined Compressive Strength  
Soils - D 2216 - Water Content  
Soils - D 2435 - One-Dimensional Consolidation Properties  
Soils - D 2487 - Classification of Soils  
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)  
Soils - D 2850 - Unconsolidated, Undrained Strength in Triaxial Compression  
Soils - D 2937 - Density by Drive Cylinder Method  
Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils  
Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)  
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index  
Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven  
Soils - D 4972 - pH of Soils  
Soils - D 5084 - Hydraulic Conductivity using a Flexible Wall Permeameter  
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Ardaman & Associates, Inc.**

316 Highlandia Drive  
Baton Rouge, LA, United States  
Megan Bourgeois  
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Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils  
Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)  
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Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method