APPENDIX E

RESUMES AND QUALIFICATIONS

Gregory W. Miller, P.G.

LIST OF LITIGATION TESTIMONY

Lorio v Western Waste Industries. Pointe Coupee Parish. (Judge Jack Marrioneaux). Fact witness. Provided deposition and preparation for trial. Case Settled ~ 1997.

Ostheimer v VenVirotek of Louisiana. Lafourche Parish.. Provided expert opinion (written report), and deposition testimony. Case Settled ~1998.

Wayne Simoneaux et.al. v Amoco, 23rd Judicial District Court, Assumption Parish, Division D. 1998-2000, Assumption Parish, Louisiana. Performed hydrogeological assessment and provided multiple deposition and trial testimony as a fact witness.

Adjudicatory Hearing for Application of Long Point Partners, L.P. for Permit No. MSW-2270, July 2000, Austin, Texas. Provided expert opinion (written report), deposition and hearing testimony. Was accepted as an expert in the field of Hydrogeology.

Tensas Parish Police Jury v Louisiana Department of Environmental Quality, 1997. Provided deposition testimony as fact witness.

Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds, Baton Rouge, Louisiana: Pearl River, Bayou Bonfoucca Sites. September 1998-October 1999. Provided expert opinion (written report), multiple deposition testimony, and bench and jury trial testimony regarding the Pearl River site in Louisiana. Was recognized as an expert in the field of Geology.

Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds, et al: Southern Wood Piedmont Site. 1999-2000, 19th Judicial District Court, Division D, East Baton Rouge Parish, LA. Provided expert opinion (written report), deposition testimony, and trial testimony regarding the Southern Wood Piedmont site in Macon, Georgia. Was recognized as an expert in the field of Geology.

Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds, et al, Jennison Wright Facility. November 2001. 19th Judicial District Court, Division D, East Baton Rouge Parish, LA. Provided expert opinion, deposition testimony, and trial testimony regarding the Jennison Wright Facility in Toledo, Ohio. Was recognized as an expert in the field of Geology.

Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds, et al, Baystreet Site. December 2001. 19th Judicial District Court, Division D, East Baton Rouge Parish, LA. Provided expert opinion, and deposition testimony. Provided evidence that led to a successful motion for

judgement as a matter of law regarding the Baystreet Tank Facility in Savannah, Georgia.

Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds, et al, Oneida Site. January-February 2002. 19th Judicial District Court, Division D, East Baton Rouge Parish, LA. Provided expert opinion, and deposition testimony concerning the Oneida, Tennessee rail yard.

Davison Transport, Inc. and Melamine Decorative Laminate v United Technologies Automotive, Inc., the City of Ruston, and Essex Group, 3rd Judicial District Court, Lincoln Parish, 1999,2000. Conducted subsurface assessment and developed a corrective action plan. Provided deposition testimony and trial testimony as an expert in the fields of Hydrogeology and Site Assessment and Remediation.

Mary Michael Morril v Shell Oil Company, 23rd Judicial District Court, Division A, May 2001. Conducted site assessment of an active oilfield using surface and borehole geophysical surveys, conventional drilling and sampling techniques and monitor well installation and sampling. Provided expert opinion and deposition testimony.

B&C Land, Inc and Hackberry Farms v Exxon Mobil Corporation, et al, 23rd Judicial District Court, Division D, St. James Parish, LA. November 2002. Conducted site assessment of a former brine pit, injection well, and former oil and gas production locations in the Vacherie Field. Provided deposition testimony.

Martinez Seafood v Thibaut Oil, 23rd Judicial District Court, Ascension Parish, LA. December 2001. Performed removal of UST, remediation of impacted soils, groundwater monitoring and site closure. Provided deposition testimony.

Victor Vegas and Jane Vegas v Miller Exploration Company, et al, Civil District Court, Orleans Parish, LA. August 2002. Conducted site assessment of gas well blowout in Foules Dome Field, Catahoula Parish, LA. using surface and borehole geophysics, conventional drilling and sampling techniques, and the installation of nested monitoring wells to a depth of 200 feet. Provided deposition testimony.

Vienne v Conoco, Inc., 15th Judicial District Court, Division C. May 2004. Performed a site assessment of an oilfield and former gas fractionation plant using surface geophysical surveys, NORM screening, and soil and water sampling. Provided deposition testimony.

J. Paulin Duhe, Inc. v Texaco, Inc., et al., 16th JDC, Iberia Parish, Louisiana. November 2004 and June 2005. Performed a site assessment at an oilfield in south Louisiana that included production facilities, salt water injection wells, former pits, and separation/fractionation facilities. The assessment included surface geophysical surveys, direct push conductivity logging, soil and groundwater sampling, and NORM screening. Provided deposition testimony.

Armelise Planting Company, et al v. BP Amoco, et al., 23rd JDC, Assumption Parish, Louisiana. December 2004. Performed a site assessment at the Napoleonville Oilfield in south Louisiana that included former production facilities, salt water injection wells, former pits, and separation/fractionation facilities. The assessment included surface geophysical surveys, direct push conductivity logging, borehole geophysical logging, soil and groundwater sampling, and NORM screening. Provided deposition testimony.

Cheryl Lanoux, et al v. Crompton Manufacturing Company, Inc., et al, 23rd JDC, Ascension Parish, Louisiana, February 2005. Performed a site assessment of an uncontrolled hazardous waste dumping site that had historically received toluene tars and sludge. The dumping site was later developed for private residences and a child daycare facility. The assessment included soil and groundwater sampling; surface water and sediment sampling; and determination of groundwater flow direction, velocity and estimated yield and interaction with an adjacent surface water body. The shallow regional geological regime was evaluated using drillers logs of registered water wells within a two mile radius. Provided deposition testimony.

Weeks, et al v. Shell, 23rd JDC, St. Mary Parish, Louisiana, May 2005. Performed limited site assessment including soil and sludge/sediment sampling, and shallow groundwater sampling at a former oil and gas field in a South Louisiana Marsh. Provided deposition testimony.

Armelise Planting Company, et al v. BP Amoco, et al., 23rd JDC, Assumption Parish, Louisiana. August 2005. Performed a site assessment at active salt dome storage facilities on Napoleonville Dome. The assessment included surface geophysics, conductivity probing, and shallow soil and groundwater sampling at brine storage pits at two of the cavern wells. Performed water well sampling and cavern evaluation across the dome. Provided deposition testimony.

Firemen's Charitable & Benevolent Association of New Orleans v Orkin, Inc., United States District Court, Section S, December 2005 and March 2006. Performed a site assessment at a former pesticide management facility in New Orleans. The assessment included soil and groundwater sampling. Provided deposition testimony. Provided trial testimony as an expert in the areas of geology, hydrogeology and site assessment.

Grand Lake Rod & Gun Club Inc and Roy O. Martin Lumber Company, Inc. v BP America Production Company, et al, 12th Judicial District Court, Division B, Avoyelles Parish, Louisiana, February 2006. Performed a site assessment at Five Mile Bayou Field, Three Mile Bayou Field, and Milligan Bayou Field in Avoyelles Parish, Louisiana. Provided deposition testimony.

Alex Simoneaux et al v. Southern Natural Gas Co. et al, 23rd JDC, Assumption Parish, Louisiana, April 2006. Performed a site assessment of soil and groundwater in northern Napoleonville Field, Assumption Parish, LA. The assessment included surface geophysics, soil and groundwater sampling, conductivity probing, and pump testing of wells to determine aquifer yield. Provided deposition testimony. Successfully

defended well yield methodology in a Daubert Hearing and was qualified as an expert in geology, hydrogeology and site assessment.

Lejeune Brothers, LLC v. Goodrich Petroleum Company, LLC., 16th JDC, Iberia Parish, LA, June 2006. Performed a site assessment of soil and groundwater at an oil and gas well tank battery and former pit area. The assessment included surface geophysics, soil and groundwater sampling, and conductivity probing. Provided deposition testimony.

Robert H. Feaster et al. v. Reliant Energy Gas Transmission Co., Inc. et al, 1st JDC, Caddo Parish, LA, June 2006. Performed a site assessment of groundwater contamination by petroleum hydrocarbons caused by a former gas plant. The assessment included sampling existing water supply wells, drilling and sampling of boreholes, performing borehole geophysical logging, installation of monitoring wells, sampling of monitoring wells, development of a conceptual site model and evaluation of plume fate and transport through multiple aquifers. Provided deposition testimony.

Tebow, William M. v Bradex Oil & Gas, Inc., 12th JDC, Avoyelles Parish, LA, August 2006. Performed a site assessment of soil and groundwater contamination by former oil and gas exploration and production facilities in the Haas Oil and Gas field, Avoyelles Parish, LA. The assessment included surface geophysics, direct push conductivity probing, historical aerial photograph interpretation, soil and groundwater sampling, borehole geophysical logging, and review of published data. Provided deposition testimony. Successfully defended qualifications and methodology in a Daubert hearing. Provided jury trial testimony and was qualified by the court as an expert in geology, hydrogeology and site assessment.

Abshire, Evelyn et al v BP Corporation North America et al, 15th JDC, Acadia Parish, LA, August 2006. Performed a site assessment of the Jennings Oilfield, the oldest oil and gas field in Louisiana. The assessment included surface and borehole geophysics, soil and groundwater sampling, installation and sampling of numerous double cased boreholes to depths as great as 220 feet. Provided deposition testimony.

Donald Marin et al v Exxon Mobil Corporation, 16th JDC, St. Mary Parish, LA, August 2006. Performed a site assessment of the Bayou Sale oil and gas field using historical aerial photography interpretation, surface geophysics, direct push conductivity logging, soil and groundwater sampling, and subaqueous sediment sampling. Provided deposition testimony. Provided bench trial testimony and was qualified by the court as an expert in geology, hydrogeology, and site assessment.

Fleming Companies, Inc, v Baker Petrolite Corp, 15th JDC, Lafayette Parish, LA, November 2006. Performed an evaluation of hydrocarbon contamination in the Chicot Aquifer, and performed a predictive groundwater flow model that allowed development of cost for remediation. Provided deposition testimony and trial testimony. Was accepted as an expert in the fields of Geology, Hydrogeology and Site Assessment.

Brownell Land Co. L.L.C. v Oxy USA Inc, et al, U.S. District Court, Eastern District, Section K, Civil Action No. 05-CV-225, July 2007. Performed a contamination assessment at the Bay Natchez oilfield using surface geophysics, intrusive assessment, historical aerial photograph interpretation, and a review of DNR production files. Issued an expert report that used onsite closure criteria listed in Statewide Order 29B to evaluate soil contamination, and used the LDEQ RECAP protocol to evaluate groundwater contamination. Provided deposition testimony.

J. Gerald Dupont v Metairie Energy Company, Inc, et al. 18th JDC, Division B, Iberville Parish, LA, April 2007. Performed a contamination assessment at Bayou Choctaw oilfield using surface geophysics, intrusive assessment, historical aerial photograph interpretation, and a review of DNR production files. Issued an expert report that used onsite closure criteria listed in Statewide Order 29B to evaluate soil contamination, and used the LDEQ RECAP protocol to evaluate groundwater contamination. Provided deposition testimony.

Roy O. Martin Lumber Company, L.L.C. v Mobil Exploration and Producing North America Inc, et al, 18th JDC, Pointe Coupee Parish, LA., October 2007. Performed a contamination assessment at the Bayou Latenatche-Ravenswood oilfield utilizing Statewide Order 29B to evaluate soil contamination, and performed a RECAP analysis to evaluate groundwater contamination. Provided remediation cost estimates. Provided deposition testimony.

Tensas Poppadoc, Inc v Chevron USA, Inc et al; 7th JDC, Docket No. 40769, Div B, Concordia Parish, Louisiana, March 2008 through January 2009. Performed a contamination assessment and evaluated contaminated Class 1 groundwater using RECAP approach. Soil was evaluated using Statewide Order 29B closure standards. Provided deposition testimony. Provided trial testimony in a jury trial, and was qualified as an expert in geology, hydrogeology, site assessment, implementation of RECAP (Louisiana's risk based regulatory standards), and regulatory compliance. Provided testimony at Louisiana's first Act 312 hearing at the Department of Natural Resources, and was accepted as an expert in areas previously qualified.

Gloria Ned, Individually and on Behalf of Jessie January and Jacqueline January v No. 2003-001100, Division "D" Union Pacific Corp; Union Pacific Railroad Corp; PPG Industries, Inc.; W.J. Peard: A.L. Greathouse; Harry C. Hank; Tommy G Brown and Dallas Stutes, Lake Charles, Calcasieu Parish, LA, January and March 2009. Performed an evaluation of fate and transport of PCE and daughter products in groundwater, and evaluated risk in the framework of the RECAP document. Provided trial testimony in a bench trial on prematurity, and was accepted as an expert in geology, hydrogeology, site assessment, RECAP, and regulatory compliance.

Black River Real Estate Company, Inc v Hunt Oil Company, et al, 7th JDC, Concordia Parish, Div B, Ross Bayou Field, late 2008-early 2009. Performed a contamination assessment and evaluated contaminated Class 1 groundwater using RECAP approach. Soil was evaluated using Statewide Order 29B closure standards. Assessment utilized surface and borehole geophysics, conventional soil and

groundwater sampling, aquifer testing, groundwater flow gradient considering density effects of brine contamination, and predictive groundwater modeling to determine groundwater capture/recovery zones for remediation design. Provided deposition testimony.

Clyde Tucker, Ronald Johnson, Gloria Laubach v Shell Oil, et al, 3rd JDC, Union Parish, Ora Field, early-2010. Testified at a prematurity and improper cumulation hearing, was accepted as an expert in the fields of geology, hydrogeology, site assessment, regulatory compliance and implementation of RECAP.

Sandra Bernard, et al v BP Amoco, et al, 38th JDC, Cameron Parish, LA, Hackberry Field, mid-2010. Performed a contamination assessment and remedial alternatives study. Utilized Statewide Order 29B to evaluate soil contamination, and performed a RECAP analysis to evaluate soil, sediment, and groundwater contamination. Provided remediation cost estimates. Provided depositional testimony. Successfully defended qualifications and methodology in a Daubert hearing.

State of Louisiana (Vermilion Parish School Board) et al v Louisiana Land and Exploration Company, et al, 15th JDC, Vermilion Parish, Louisiana, July 2010. Performed a contamination assessment in an inundated wetlands area, and defined the extent of contamination to subaqueous sediment, soil and groundwater within the Chicot Aquifer and overlying Class 3 groundwater. Prepared a contamination assessment report, and a remedial alternatives analysis with a cost estimate for a remediation alternative. Provided deposition testimony.

Joseph Ray LeJeune, Jr et al v Reed Rubinstein, et al, 18th JDC, Point Coupee Parish, Louisiana, July 2010. Performed a file review and onsite assessment of drums, a UST, soil and groundwater to evaluate the presence of unknown solvent and organic chemicals that had historically been dumped on residential property. Provided report and deposition testimony. Testified in a bench trial and was accepted as an expert in the fields of geology, hydrogeology, site assessment, implementation of Louisiana's RECAP, and remediation.

Mary Belva Benard v Chevron USA, ConocoPhillips Company, Hilcorp Energy Company and Plains Resources, Inc., 15th JDC, Vermilion Parish, LA, August 2010. Performed a contamination assessment and remedial alternatives study for property in the Erath Field, Vermilion Parish, LA. Utilized Statewide Order 29B and the LDEQ RECAP standards to evaluate soil contamination, and performed a RECAP analysis to evaluate soil, sediment, and groundwater contamination. Provided remediation cost estimates. Provided depositional testimony.

Daniel Hardee el at v ARCO et al, 14th JDC, Calcasieu Parish, LA, October 2010. Performed a contamination assessment and remedial alternatives study for property in the Gueydan Field, Vermilion Parish, LA. Utilized Statewide Order 29B and the LDEQ RECAP standards to evaluate soil contamination, and performed a RECAP analysis to evaluate groundwater contamination. Provided remediation cost estimates. Provided depositional testimony.

Hebert v Energen Resources Corp, et al, 14th JDC, Calcasieu Parish, LA, October 2010. Performed a contamination assessment and remedial alternatives study for property in the Section 32 Field, Calcasieu Parish, LA. Utilized Statewide Order 29B and the LDEQ RECAP standards to evaluate soil contamination, and performed a RECAP analysis to evaluate groundwater contamination. Provided remediation cost estimates. Provided depositional testimony.

Labarre v Texas Brine, et al, February 2011. Provided deposition testimony regarding facts that potentially would be used in a prematurity hearing.

Clyde Tucker et al v. Shell Oil, et al; Docket 42934, Div A; 3rd Judicial District, Union Parish, LA, Ora Field, LA. Provided testimony at a prescription hearing as an expert in geology, hydrogeology, site assessment and regulatory liaision.

Hazel Richard Savoie, et al v Pioneer Exploration, Ltd, et al, Docket 10-18078, 38th JDC, Cameron Parish, LA, 2011. Performed contamination assessment and remedial alternatives study with cost estimates for remediation. Provided depositional testimony and jury trial testimony. Was qualified as an expert in geology, hydrogeology, site assessment, remediation, regulatory compliance, and implementation of LDEQ RECAP. Provided deposition testimony in preparation for preponderance hearing.

Broussard Heirs Intervention of Texaco Exploration and Production Inc. v Hilcorp Energy Company, et al, 15th JDC, Docket 98-71298-D, Vermilion Parish, Louisiana; November 2012. Performed contamination assessment of the Henry Gas Plant and pipeline hub, and of former operations associated with the Erath Oil and Gas Field. Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil, sediment and groundwater contamination. Performed a RECAP analysis to evaluate groundwater contamination. Prepared a remedial alternatives study and cost model to address soil, sediment and groundwater contamination. Provided depositional testimony.

Ruby Mhire et al v Total Petrochemicals USA, et al; 38th JDC, Docket 10-18239; Cameron Parish, Louisiana, November 2012. Performed contamination assessment of historical exploration and production activities and a former production pit on property within the Grand Chenier Oil Field, Cameron Parish, LA Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil, sediment and groundwater contamination. Performed a RECAP analysis to evaluate groundwater contamination. Prepared a remedial alternatives study and cost model to address soil, sediment and groundwater contamination. Provided depositional testimony.

Sterling Sugars, Inc. v BP America Production Company, et al; 16th JDC, Case No. 113095, Div "E", St. Mary Parish, Louisiana, November 2012. Performed contamination assessment of historical exploration and production activities on property within the Charenton and Franklin Oil Fields, St. Mary Parish, LA Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil, sediment and groundwater contamination. Performed a RECAP analysis to evaluate groundwater contamination.

Prepared a remedial alternatives study and cost model to address soil, sediment and groundwater contamination. Provided depositional testimony.

Joseph Dupont and Doris Petrus v Mobil Oil E&P Southeast, Inc., et al; Docket 52090, Division "Ad Hoc", 18th JDC, Iberville Parish, LA; February 2013. Performed contamination assessment and remedial alternatives study with cost estimates for remediation. Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil, sediment and groundwater contamination. Performed a RECAP analysis to evaluate groundwater contamination. Provided deposition testimony.

Gustave J Labarre et al v Texas Brine Company, LLC and Georgia Gulf Chemicals & Vinyls, LLC; 23rd JDC, Div "C", #30650, Napoleonville Storage Dome, Assumption Parish, LA; October 2013. Performed contamination assessment and remedial alternatives study of a leaking pit used to store solution mined brine. Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil and groundwater contamination. Provided deposition testimony.

Tillman et al v Chevron USA Inc, et al; Docket #44096; Div "B"; 7th JDC, Concordia Parish, LA; Lake St. John Oilfield, Concordia Parish, LA, February 2014. Performed contamination assessment and remedial alternatives study with cost estimates for remediation. Utilized Statewide Order 29B and the LDEQ RECAP protocol to evaluate soil and groundwater contamination. ModFlow and Winflow groundwater predictive models were used to design a groundwater recovery system. Demonstrative exhibits included a 3-dimensional computer model of groundwater contaminant plumes. Provided deposition testimony.

Lexington Land Development, LLC v Chevron Pipeline Company, et al; Docket No. 561893, Division "22"; 19th JDC, East Baton Rouge Parish, Louisiana, April 2014. Provided depositional testimony concerning historical oil and gas contamination, and a leak of gasoline-diesel mixture from a hole in a transmission pipeline that was installed within one year of the leak. The leak occurred at the center of a brine contamination plume originating at a former production pit, beneath an electrical transmission line corridor.

Clyde Tucker et al v Shell Oil Company, et al; Docket No. 42934, Division "B"; 3rd JDC, Union Parish, Louisiana, Ora Oil Field, November 2014. Performed contamination assessment and authored an assessment report and Plan for Additional Assessment and Remediation in accordance with Statewide Order 29B. Provided deposition testimony.

State of Louisiana (Vermilion Parish School Board) et al v Louisiana Land and Exploration Company, et al, 15th JDC, Vermilion Parish, Louisiana, November 2014. Performed a contamination assessment and a remedial alternatives analysis with a cost estimate for a remediation alternative. Provided deposition testimony.

RESOURCES

Gregory W. Miller, P.G.
ICON Environmental Services, Inc.
2049 Commercial Drive
Port Allen, Louisiana 70767

Qualifications Summary

Geologist and project manager with over twenty years of professional experience in the Gulf Coast and northeastern United States area. Extensive experience in all aspects of groundwater sciences, including project planning, field methods, data evaluation, report preparation, modeling, predictive analysis, fate and transport analysis, regulatory liaison, and project management. Routinely involved with evaluations of hydrology and geochemical interaction of vadose zone, surface water, and groundwater regimes; frequently perform surface and borehole geophysical investigations. Commonly develop and implement innovative field characterization methods.

Professional Experience

(5/94 - Present) ICON Environmental Services; Baton Rouge, LA
Sr. Geologist/Principal Hydrogeologist; Corporate President
(8/91 - 5/94) Environmental Consulting & Technology, Inc.; Baton Rouge, LA
Sr. Staff Geologist/Hydrogeology Department Manager
(6/90 - 2/91) Woodward-Clyde Consultants; Baton Rouge, LA; *Staff Geologist*
(12/86 - 6/90) The Johnson Company, Inc.; Montpelier, VT; *Project Geologist*
(6/86 – 12/86) Industrial and Environmental Analysts; Essex Junction, VT; *Scientist*
(5/83 - 2/86) Core Laboratories, Inc.; Lafayette, LA; *Log and Core Analyst*

Selected Relevant Project Experience

INNOVATIVE TECHNOLOGY

Project Manager, Principal Hydrogeologist; Subsurface Assessment Using Innovative Technology; US NAVY, Jacksonville, LA – Developed innovative procedure for subsurface assessment utilizing direct push methods. Lithology is determined through sealed casing using borehole geophysics. A small diameter permanent well is installed through the sealed casing, and includes proper grout to surface. Two sites were characterized using the new technology, and using conventional technology. The results of the two methods were compared, and results were presented to the FDEP and EPA, and were used to fulfill contaminant investigation requirements as per the site HSWA permit.

"Missing Link Technology" – Utilize direct push tooling to allow sampling of groundwater, natural gamma logging of soils for lithological characterization, and pressure grouting for permeability reduction. The technology, patented by ICON personnel, relies on hammering a screen or tool port ahead of the primary string to allow sampling or grouting in the permeable zone of interest, while maintaining a hydraulic seal around the primary string due to lithological compaction.

CONTAMINATION ASSESSMENT, REMEDIATION, RISK ASSESSMENT

Project Manger and Principal Investigator; RECAP Risk Assessment, Shreveport Atlas Refinery – Project involved review of historical aerial photos to identify former process locations All historical environmental data ever generated at the subject refinery were used to develop a site-specific fate and transport model, to which resulting constituent concentrations at the point of exposure were

evaluated using the Louisiana RECAP protocol. Conducted soil and groundwater delineation assessment to characterize 18 areas of concern, including parameters for natural attenuation modeling.

Project Manager; Hydrogeological Assessments; Boeing Petroleum Services, Inc.--Six Department of Energy Strategic Petroleum Reserve sites in Louisiana and Texas were screened for groundwater contamination using a limited soil boring program, soil gas surveys, and electromagnetic terrain conductivity surveys. Data were evaluated and presented with pertinent historical site specific information in a report with recommendations for verification sampling.

Project Manager; Groundwater Contamination Delineation and Corrective Action; Exxon Company, USA--Delineated the extent of a brine plume at a former gas plant including the rapid-assessment technique of drive-point sampling, and vertical discrete groundwater sampling. Conducted a pumping test of a existing well, predictive groundwater modeling, and designed and installed a groundwater recovery system.

Project Manager; Groundwater Assessment and Remediation, Tensas Parish Police Jury-- Delineated the extent of subsurface impact from petroleum fuels at a maintenance facility; assessment included installation of borings and monitor wells, and the rapid-assessment technique of drive-point sampling and a soil gas survey. Conducted a limited risk assessment with remedial action plan selection. Implemented excavation of 7000 yards^3 of soil and onsite treatment using biodegradation/volatilization, and groundwater extraction and treatment using air stripping; utilized client's machinery and labor as available to minimize total project costs.

Principal Investigator; Oil Industry Subsurface Assessments, Exxon Company, U.S.A., Vastar Resources,Inc., **and Others**- Evaluated historical aerial photographs to document past field development and impacts. Conducted comprehensive evaluation of subsurface soils and groundwater for impacts from past oil and gas activities including impacts by petroleum hydrocarbons, heavy metals, and brine at gas plants, bulk storage tank sites, and shorebase facilities. Conducted a Risk Based Corrective Evaluation for closure and/or remedial goals.

Project Geologist/Field Coordinator; Exxon Chemical Company--Completed a detailed soil and groundwater assessment at three areas within a tank farm. Successfully conducted field investigations under a very restricted schedule by coordinating four simultaneously operating field crews. Compiled a report including data assessment, hydrogeological conditions, and corrective action design, and presented the results to regulatory authorities.

Project Manager; Hydrogeologic and Contaminant Assessment, Calumet Refining Company, Cotton Valley, LA; Delineated the lateral extent of a petroleum hydrocarbon plume at a specialties (solvent, thinners) refinery; conducted risk assessment and developed a corrective action plan.

Project Manager; Underground Storage Tank Assessment Sites in Louisiana; Various Clients-- Manage assessment and remedial activities at numerous underground storage tank sites. Activities include UST removal, preliminary assessment, contaminant assessment, remedial alternatives analysis, and corrective action planning and implementation.

Staff Geologist; Local Contamination Assessment, Confidential Client, Various Locations-- Completed soil and groundwater investigations for PCB contamination at petroleum pipeline compressor stations throughout Mississippi.

GROUNDWATER CHARACTERIZATION AND MONITORING SYSTEM DESIGN

Project Manager; Hydrogeologic Evaluation, Tensas Parish Municipal Landfill, St. Joseph, LA- Conducted comprehensive hydrogeological evaluation in compliance with US EPA Subtitle D Regulations, including the installation of shallow and deep exploratory borings and monitoring wells, borehole geophysical wireline logging, and several years of monitoring well sampling and data evaluation.

Project Geologist; Freeport McMoran, Inc.--Designed vadose zone monitoring program to determine the suitability of using phosphogypsum as a roadbase material. The program included the installation of 33 lysimeters, and six groundwater monitoring wells, sampled over a six year period.

Principal Investigator; Pennzoil Products Company, Atlas Refinery, Shreveport, LA – Conducted site-wide subsurface characterization using conventional boring data, CPT data, borehole geophysical data, and hydraulic head data from existing wells. Designed perimeter groundwater monitoring system.

Hydrogeologist; Sabine Parish Landfill, La – Completed site-wide hydrogeologic evaluation and monitoring well network design using conventional and borehole geophysical data.

Project Geologist; Arrowhead Cogeneration Corporation--Determined site suitability for subsurface wastewater disposal, by performing soil and groundwater investigations, wastewater renovation studies (laboratory models), and pilot loading tests. Utilized computer models to predict effects of hydraulic loading. Acquired permits and designed compliance monitoring program.

LITIGATION SUPPORT AND EXPERT WITNESS TESTIMONY

Hydrogeology Expert; Long Point Partners, L.P. – Evaluated and modeled the potential for caprock dissolution and the potential for subsequent subsidence at a solid waste landfill site. Provided an expert report, provided deposition and trial testimony at an adjudicatory in Austin, Texas. Was accepted as an expert in the field of Hydrogeology.

Geology, Hydrogeology and Site Assessment Expert - Norfolk Southern Corp. et al v. California Union Insurance Company and Certain Underwriting Members of Lloyds: Pearl River, Bayou Bonfoucca, Southern Wood Piedmont Site, Jennison Wright Facility, Baystreet Site, and Oneida Site Sites. – Provided comprehensive hydrogeological evaluation and review of historical aerial photography and contamination distribution at each site, rendered expert reports, provided deposition testimony and trial testimony in a four-year long litigation (1998-2002) involving numerous sites previously operated by Norfolk Southern Corp. who was attempting to recover costs for historical remediation at each site. Was recognized as an expert in Geology, Hydrogeology and Site Assessment during five separate trials in the 19th Judicial District Court, Baton Rouge, LA.

Geology, Hydrogeology and Site Assessment Expert - Davison Transport, Inc. and Melamine Decorative Laminate v United Technologies Automotive, Inc., the City of Ruston, and Essex

Group. Designed and managed a subsurface assessment, developed a corrective action plan, provided deposition testimony and trial testimony as an expert in the fields of Hydrogeology and Site Assessment and Remediation at the 3rd Judicial District Court, Lincoln Parish, 1999 to 2000.

Geology, Hydrogeology and Site Assessment Expert, Project Manager and Principal Investigator – Numerous Oil and Gas Field Assessments in Louisiana. Performed comprehensive site assessments of over 100 oil field sites for various plaintiffs using surface geophysics (electromagnetic surveys), historical aerial photograph interpretation, borehole screening tools (conductivity probing and borehole geophysical surveys), installation of groundwater monitoring wells, collection and evaluation of soil and groundwater samples, sediment sampling, sludge sampling, aquifer testing, and review of historical records. Provided expert reports and deposition and trial testimony for various District Court and Federal Court venues. Successfully defended methodology and qualifications at numerous Daubert hearings and was recognized by the court as an expert in the fields of Geology, Hydrogeology, Site Assessment, Regulatory Laision, and Implementation of the Louisiana Department of Environmental Quality's "Risk Evaluation and Corrective Action Program" (RECAP). Evaluated data in accordance with standards in Louisiana Department of Natural Resources regulations, Act 312 procedures and the LDEQ RECAP document; and performed predictive groundwater modeling to design groundwater remediation systems.

Geology, Hydrogeology and Site Assessment Expert - Firemen's Charitable & Benevolent Association of New Orleans v Orkin, Inc. Performed a site assessment at a former pesticide management facility in New Orleans. The assessment included soil and groundwater sampling. Provided deposition and trial testimony in United States District Court, Section S (2005-2006). Was recognized by the court as an expert in the areas of geology, hydrogeology and site assessment.

SITE ASSESSMENT AND RISK MINIMIZATION EVALUATION AND PLANNING

Project Manager; Environmental Audit, Exxon Company, U.S.A., Production Department-- Managed and performed inspections of 40 non-hazardous waste disposal/treatment sites in five states. The project involved assessment of compliance with regulation, potential/degree of environmental impact, and conformance to good management practices.

Principal Author; OPA and SPCC Plans, Exxon Company, Jordon Oil Company, Lemoine Distributors, S&W Services. Etc. --Designed and compiled vessel and facility response plans for the northern Gulf of Mexico region and inland waters in accordance with the Oil Pollution Act of 1990 (OPA '90) regulations. The plans were interactive, designed for ease of site-specific modification and use in the event of a spill. SPCC plans were designed as per 40 CFR, Part 112, for aboveground storage tanks in excess of 1,320 gallons.

Phase I and II Transaction Site Assessments – Numerous clients in Louisiana and Mississippi -- Performed assessment for real estate and oil production property transaction using site specific methods, ASTM guidelines, and Nations Bank protocol. Routinely utilize document review, historical aerial photographs, and process knowledge to preliminarily identify areas of concern.

Project Manager; Phase I and II Environmental Site Assessment; Confidential Client-- Conducted surface and sub-surface assessment at an oilfield pipe reconditioning yard in Lafayette,

Louisiana, for contamination by hydrocarbons, heavy metals, and naturally occurring radioactive material (NORM).

LAND PLANNING AND PERMITTING

Project Manager; Cabot Cooperative Creamery--Developed a land application-nutrient recovery program for a dairy manufacturing facility with a wastewater load of 100,000 gallons per day. Performed site evaluations, wastewater fate analysis, receiving stream impact analysis, report preparation, permit acquisition, and groundwater monitoring. The project involved field identification of soils at 150 agricultural sites, with emphasis on predicting seasonal saturation. The entire project proceeded under close scrutiny of organized area residents.

Project Geologist; Rainbow Trust, Inc.--Performed evaluation of 450 acres to assess potential for residential development. Evaluations included water supply development (involving geophysical surveys, aerial photography and fracture trace analysis), subsurface sanitary wastewater disposal, groundwater modeling using *Modflow,* soils identification for wetlands delineation, and land planning (access, roads, etc.).

Project Manager; Wastewater Discharge Permitting, Kraft Foods, Inc, Various Truck Washing and Barge Rehab Facilities --Acquired surface discharge permit for disposal of non-contact cooling water, industrial water, residual contents, and stormwater. Utilized water quality sampling, stream and effluent discharge measurements, and a dye study to perform a thermal assimilation study.

Education

B.S.	Geology	University of Southwestern Louisiana	1982

(Studies included: petroleum geology internship; field study of structure, stratigraphy, and geomorphology; aerial photo interpretation; micropaleontology; geophysics).

Post Graduate Credits	Geology	University of Southwestern Louisiana	1983

(Focus on stratigraphy and carbonate sciences).

Post Graduate Credits	Hydrogeology	Wright State University	1985

(Hydrogeology, hydrology, geochemistry, geophysics, aerial photo interpretation, drilling methods)

40 Hour OSHA Health and Safety Training, updated annually.
Hazardous Waste Site Supervisor Training, 1990

Associations

National Ground Water Association
American Institute of Professional Geologists

Registrations

Registered Professional Geologist, No. 2029, State of Tennessee (not current)

2049 Commercial Drive Port Allen, LA 70802-4771 Phone 225-344-8490 Fax 225-344-6654

J. Wayne Prejean, Jr., P.E.
Senior Environmental Engineer
Louisiana Registrant No. 32502

(May 1999 – Present) ICON Environmental Services, Inc.
Port Allen, Louisiana

QUALIFICATIONS

Professional engineer and project manager with over 15 years of experience in the Gulf Coast area. Experienced in site investigation, project planning/management, risk assessment and corrective action, statistical data evaluation, environmental permitting, contaminant fate and transport analysis, and groundwater modeling. Routinely conducts risk evaluation in accordance with the Louisiana Risk Evaluation and Corrective Action Planning (RECAP) program, prepares facility plans in accordance with OPA 90 and SPCC regulations, performs project costing for environmental remediation of oilfield sites, and represent clients as a liaison to regulatory agencies. Has provided expert opinion, depositional and trial testimony, and technical knowledge in support of litigation testimony by other experts.

SUMMARY OF EXPERIENCE

Louisiana Motor Fuels UST Trust Fund Facilities:

- Project Manager for multiple Underground Storage Tank (UST) facilities, including budgeting, scheduling, remediation, compliance monitoring and reporting
- Client/Agency Liaison for Eligibility, Site Investigations, RECAP, Remediation, and NFA Closures
- Conveyance Notice Preparation For NFA Closures
- Site Investigation/Contamination Assessments and RECAP Evaluations
- CAP Design/Implementation, cost estimation, and Bid Submittals
- CAP Activities Including Soil Removal, NAPL/Groundwater Recovery, and UST Closure
- Remediation system design, procurement, startup, and O&M (including preparation of O&M activities and scheduling)
- Compliance Monitoring and Reporting
- Monitor Well/Piezometer Installations
- Discharge Permitting and Reporting under LPDES
- Technical evaluation of remediation system effectiveness, including system efficiency, contaminant reduction, system optimization

Industrial Chemical Facilities – Plastics and Chemical Stock Producers, Refineries, Mineral Extraction Facilities, Agricultural Product Facilities:

- Multi-media Environmental Risk Evaluation for a Major Louisiana Refinery, including fate and transport of environmental contaminants
- RECAP Investigations at Major Facilities
- Site Investigations and Remediation Projects
- Groundwater Certifications

Litigation Support – Groundwater and Soil Contamination from Industrial Sources:

- Risk assessment (RECAP) of multi-media impact from industrial sources in accordance with LDEQ RECAP and LDNR 29B.
- Site remediation technology evaluation and selection
- Design of remediation systems
- Cost estimates for multi-media remediation activities

Litigation Support – Expert and Fact Witness Experience:

- Provided expert opinion, deposition testimony, and trial testimony for litigation associated with environmental risk from industrial chemical spill.
- Provided expert opinion, deposition testimony, and trial testimony for litigation associated with Underground Storage Tank facility.
- Depositional testimony for litigation associated with soil and groundwater contamination from oilfield activities.

Oil Production and Distribution Facilities:

- Preparation of SPCC Plans for Bulk Oil Distribution facilities, marine transport related facilities, oil drilling, and production facilities.
- Preparation of Facility Response Plans and Operations Manuals for Bulk Oil Distribution facilities, marine transport related facilities, and oil drilling facilities.

Solid Waste Facilities - Major Waste Disposal Companies and Industrial Facilities with Solid Waste Impoundments as well as Parish Owned Disposal Facilities:

- Project management, including budgeting, scheduling, and compliance monitoring and reporting.
- Solid Waste Permit Application preparation/Professional Engineer Certification; including Permit Modifications and Renewals.
- Preparation of Groundwater Sampling and Analysis Plans, Methane Monitoring Plans, and Statistical Evaluation Plans.
- Statistical Evaluation of Groundwater Monitoring Data for multiple facilities.
- Preparation of Alternate Source Demonstrations.
- Groundwater Monitoring Well Network Evaluation and Design.
- Discharge Permitting and Reporting under LPDES.
- Client/Agency Liaison for Solid Waste permitting and compliance issues.

TRAINING

- Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour Training (CFR 1910.120) (2000)
- Annual 8-hour HAZWOPER Refresher (2001 - present)
- LDEQ Solid Waste Conference (2000 - present)

CERTIFICATIONS

- 2006 – Registered Professional Engineer in Environmental Engineering (LA Reg. No. 32502)
- 2003 - Registered Engineer Intern in Environmental Engineering (LA Reg. No. 20639)

EDUCATION

- Louisiana State University, Baton Rouge, LA; BS, Environmental Engineering (1999)

DEPOSITIONAL TESTIMONY

August 2008	***Gloria Ned, Individually and on Behalf of Jessie January and Jacqueline January v No. 2003-00100, Division "D" Union Pacific Corp; Union Pacific Railroad Corp; PPG Industries, Inc.; W.J. Peard; A.L. Greathouse; Harry C. Hank; Tommy G. Brown and Dallas Stutes, Lake Charles, Calcasieu Parish, LA.***
October 2010	***State of Louisiana and the Vermilion Parish School Board, et al v Louisiana Land and Exploration Company, et al, 15th JDC, Vermilion Parish, Louisiana, Docket No. 82162.***
February 2011	***Morel G. Lemoine Distributors, Inc. v Shirley G. Soprano D/B/A Gino's Exxon, 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 33,520-C Consolidated With Shirley G. Soprano v Morel G. Lemoine Distributors, Inc., 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 34,173-B.***
January 2012	***Morel G. Lemoine Distributors, Inc. v Shirley G. Soprano D/B/A Gino's Exxon, 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 33,520-C Consolidated With Shirley G. Soprano v Morel G. Lemoine Distributors, Inc., 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 34,173-B.***
November 2012	***Sterling Sugars, Inc. v BP America Production Company, et al, 16th JDC, St. Mary Parish, Louisiana, Docket No. 113,095.***
December 2012	***Texaco Exploration and Production Inc. v Hilcorp Energy Company, 15th JDC, Vermilion Parish, Louisiana, Docket No. 98-71298-C.***

TRIAL TESTIMONY

January/March 2009

Gloria Ned, Individually and on Behalf of Jessie January and Jacqueline January v No. 2003-00100, Division "D" Union Pacific Corp; Union Pacific Railroad Corp; PPG Industries, Inc.; W.J. Peard; A.L. Greathouse; Harry C. Hank; Tommy G. Brown and Dallas Stutes, Lake Charles, Calcasieu Parish, LA, January and March 2009. Performed calculations for fate and transport evaluation of PCE and daughter compounds in groundwater. Performed evaluation of volatilization of PCE and daughter compounds to air from groundwater recovery and treatment system. Provided testimony in bench trial on prematurity, and was qualified in Louisiana State District Court as an expert in environmental engineering.

March 2011 ***Morel G. Lemoine Distributors, Inc. v Shirley G. Soprano D/B/A Gino's Exxon, 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 33,520-C Consolidated With Shirley G. Soprano v Morel G. Lemoine Distributors, Inc., 18th JDC, Pointe Coupee Parish, Louisiana, Docket No. 34,173-B.*** Performed UST inventory reconciliation calculations, reviewed documents, provided testimony in hearing on prescription, and was qualified as an expert in environmental assessment and remediation.

Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

Mr. John Wayne Prejean Jr.

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

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

Baton Rouge, Louisiana · 06/21/2006

Chairman

Secretary

License Number 32502

State of Louisiana

State Licensing Board for Contractors

This is to Certify that:

ICON ENVIRONMENTAL SERVICES, INC.
2049 Commercial Dr.
Port Allen, LA 70767

is duly licensed and entitled to practice the following classifications

SPECIALTY: HAZARDOUS MATERIALS SITE REMEDIATION

Witness our hand and seal of the Board dated,
Baton Rouge, LA 20th day of August 2013

Director

Chairman

Secretary-Treasurer

Expiration Date: August 19, 2016

License No: 35504

This License Is Not Transferrable

Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

ICON Environmental Services, Inc.

has complied with the regulation of this Board and is authorized to provide or to offer to provide engineering services in the State of Louisiana contingent upon payment of the annual renewal fee.

Baton Rouge, Louisiana · 02/20/2009

Chairman

Secretary

License Number 4001

STATE OF LOUISIANA

DEPARTMENT OF HEALTH AND HOSPITALS
OFFICE OF PUBLIC HEALTH

LOUISIANA
Department of HEALTH and HOSPITALS

PACE ANALYTICAL SERVICES, INC.- PITTSBURGH

1638 Roseytown Road Suites 2, 3, & 4

Greensburg, PA 15601

is accredited by the State of Louisiana in accordance with the 2009 ~~TNI Standard and/or Department of Health and Hospitals regulations~~ Louisiana Administrative Code 48:V.Chapter 80 and Louisiana Administrative Code 51:XII.101 and 301

~~Scope of accreditation is limited to the~~ "TNI NELAP Accredited Fields of Testing" which accompany this certificate

Continued accredited status depends on successful ~~ongoing participation in the program~~

CERTIFICATE NUMBER: LA160004
EFFECTIVE DATE: January 1, 2016
EXPIRATION DATE: December 31, 2016

Stephen J. Martin, Ph.D.

Stephen J. Martin, Ph.D, D(ABMLI)
Public Health Laboratory Director
1209 Leesville Avenue
Baton Rouge, Louisiana 70802

Donnell L. Ward

Donnell L. Ward
Laboratory Certification Program Manager

subject to forfeiture or revocation

LOUISIANA DEPARTMENT OF HEALTH AND HOSPITALS
OFFICE OF PUBLIC HEALTH
1209 LEESVILLE AVENUE
BATON ROUGE, LA 70802
Telephone (225)219-5247

LOUISIANA ACCREDITATION – 2016

PACE ANALYTICAL SERVICES, INC.-PITTSBURGH – meets all the criteria necessary for ***ACCREDITATION*** by the State of Louisiana & TNI NELAP for the analysis of the drinking water for the following ~~contaminants~~:

Radiological Parameters - Drinking Water

Analyte	Method	Method Revision # or date	Technology ~~Description~~	TNI Method Code	TNI Analyte Code
Gamma Emitters	EPA 901.1	1980	GS-HR	10308608	2826
~~Gross Alpha~~	~~EPA 900.0~~	~~1980~~	~~PC~~	~~10242601~~	~~2830~~
Gross Alpha	SM 7110C	20th ed.	PC	20158605	2830
Gross Beta	EPA 900.0	1980	PC	10242601	2840
Radium-226	EPA 903.1	1980	ASC	10309601	2965
Radium-228	EPA 904.0	1980	PC	10309805	2970
~~Radon-222~~	~~SM 7500-Rn B~~	~~20th ed.~~	~~LSC~~	~~20173700~~	~~2980~~
Strontium-90	EPA 905.0	1980	PC	10310006	3005
Total Alpha Radium	EPA 903.0	1980	PC	10244005	2750
Tritium	EPA 906.0	1980	LSC	10310200	3030
Uranium (nat)	ASTM D5174-97	vol 11.02	LP	30031608	3055
~~Uranium (nat)~~	~~EPA 908.0~~	~~1980~~	~~PC~~	~~10245202~~	~~3055~~

The State of Pennsylvania is the primary TNI Accreditation Body for Pace Analytical Services, Inc.-Pittsburgh and the Louisiana Department of Health & Hospitals is a secondary Accreditation Body for this laboratory. For a list of additional parameters, refer to the Pennsylvania Department of Environmental Protection Certificate Number 014-003.

Certificate# LA160004
Expires: 12/31/16

As of 01/01/16, this list superseded all previous list for this certificate number. Consumers are urged to verify the laboratory's current status with the LADHH Laboratory Certification Program.

Bobby Jindal
GOVERNOR

Kathy H. Kliebert
SECRETARY

State of Louisiana

Department of Health and Hospitals
Office of Public Health

November 13, 2015

Mr. Nasreen DeRubeis
Pace Analytical Services, Inc.-Pittsburgh
1638 Roseytown Road, Suites 2, 3, & 4
Greensburg, PA 15601

Dear Mr. DeRubeis:

The requirements for maintaining your certification status for the State of Louisiana are outlined in the 2009 TNI standards and in the Louisiana Administrative Code (LAC) for the Accreditation of Laboratories Conducting Drinking Water Analyses located in LAC 48:V.Chapter 80, LAC 51:XII.101 and 301.

Your laboratory has chosen the State of Pennsylvania as its primary TNI accreditation body. Based on its accreditation, your laboratory is granted this **2016 Certificate of Laboratory Accreditation** for all the parameters listed. The certificate must be conspicuously displayed in the laboratory in a location visible to the public.

If there are any questions, please contact me at donnell.ward@la.gov or (225)219-5247.

Sincerely,

Donnell L. Ward

Donnell L. Ward
Laboratory Certification Program

Enclosures

RECEIPT

Date 10/30/2015 No. 075433

Received From Pace Analytical Services, Inc. - Pittsburgh
1638 Roseytown Road Suites 2, 3, & 4
Greensburgh, PA 15601

Amount $ 800.00

Amount Eight Hundred and NO/100 -------- Dollars

For Payment of 2016 Louisiana DHH Drinking Water Accreditation Application Fee

Application Number LA160004

Paid by [ ] Cash
[X] Check No. 0295211
[ ] Money Order

Parameters [ ] Inorganic [ ] Organic [X] Radiological

Received By Donnell L. Ward

Account Amt	
This Payment	
Balance Due	--0--

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES

LABORATORY ACCREDITATION PROGRAM

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certifies That

65-00282

Pace Analytical Services Inc - Pittsburgh

1638 Roseytown Suites 2, 3, & 4, Greensburg, PA 15601

Having duly met the requirement of
The act of June 29, 2002 (P.L. 596, No. 90)
dealing with Environmental Laboratories Accreditation
(27 Pa. C.S. §§4104-4113) and the
National Environmental Laboratory Accreditation Program Standard

is hereby approved as an

Accredited Laboratory

As more fully described in the attached Scope of Accreditation

Expiration Date: **03/31/2016**

Certificate Number: **014**

Aaren S. Alger, Chief
Laboratory Accreditation Program
Bureau of Laboratories

Continued accreditation status depends on successful ongoing participation in the program
Certificate not transferable Surrender upon revocation
To be conspicuously displayed at the Laboratory
Not valid unless accompanied by a valid Scope of Accreditation
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania
Customers are urged to verify the laboratory's current accreditation status
PA DEP is a NELAP recognized accreditation body

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to

Element Materials Technology Lafayette LLC
2417 W Pinhook Rd
Lafayette, Louisiana 70508-3344

Agency Interest No. 97810

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. 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.

_____

Lourdes Iturralde, Administrator
Notifications and Accreditations Section
Public Participation and Permit Support Services Division

Certificate Number: 01997

Expiration Date: June 30, 2016
Issued On: July 1, 2015

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
Issue Date: July 1, 2015

Element Materials Technology Lafayette LLC
AI Number: 97810
Expiration Date: June 30, 2016

2417 W Pinhook Rd, Lafayette, Louisiana 70508-3344

Certificate Number: 01997

Air Emissions

Analyte	Method Name	Method Code	Type	AB
4917 - 1-Butene	EPA 18	10246636	NELAP	LA
4832 - 1-Hexene	EPA 18	10246636	NELAP	LA
4833 - 1-Pentene	EPA 18	10246636	NELAP	LA
4836 - 1-Propene	EPA 18	10246636	NELAP	LA
4666 - 2,2-Dimethylbutane	EPA 18	10246636	NELAP	LA
9511 - 2,2-Dimethylpropane	EPA 18	10246636	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	EPA 18	10246636	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	EPA 18	10246636	NELAP	LA
4942 - 2-methylpropane (Isobutane)	EPA 18	10246636	NELAP	LA
4534 - 3-Methylpentane	EPA 18	10246636	NELAP	LA
4747 - Ethane	EPA 18	10246636	NELAP	LA
4752 - Ethylene	EPA 18	10246636	NELAP	LA
4926 - Methane	EPA 18	10246636	NELAP	LA
5007 - n-Butane	EPA 18	10246636	NELAP	LA
4855 - n-Hexane	EPA 18	10246636	NELAP	LA
5028 - n-Pentane	EPA 18	10246636	NELAP	LA
5029 - n-Propane	EPA 18	10246636	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA TO-15	10248803	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA TO-15	10248803	NELAP	LA
5185 - 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-15	10248803	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA TO-15	10248803	NELAP	LA
4630 - 1,1-Dichloroethane	EPA TO-15	10248803	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
5210 - 1,2,4-Trimethylbenzene	EPA TO-15	10248803	NELAP	LA
4585 - 1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15	10248803	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA TO-15	10248803	NELAP	LA
4655 - 1,2-Dichloropropane	EPA TO-15	10248803	NELAP	LA
5215 - 1,3,5-Trimethylbenzene	EPA TO-15	10248803	NELAP	LA
9318 - 1,3-Butadiene	EPA TO-15	10248803	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA TO-15	10248803	NELAP	LA
4735 - 1,4-Dioxane (1,4- Diethyleneoxide)	EPA TO-15	10248803	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15	10248803	NELAP	LA
4860 - 2-Hexanone	EPA TO-15	10248803	NELAP	LA
4542 - 4-Ethyltoluene	EPA TO-15	10248803	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA TO-15	10248803	NELAP	LA
4315 - Acetone	EPA TO-15	10248803	NELAP	LA
4375 - Benzene	EPA TO-15	10248803	NELAP	LA
5635 - Benzyl chloride	EPA TO-15	10248803	NELAP	LA
4395 - Bromodichloromethane	EPA TO-15	10248803	NELAP	LA
4400 - Bromoform	EPA TO-15	10248803	NELAP	LA
4450 - Carbon disulfide	EPA TO-15	10248803	NELAP	LA
4455 - Carbon tetrachloride	EPA TO-15	10248803	NELAP	LA
4475 - Chlorobenzene	EPA TO-15	10248803	NELAP	LA
4575 - Chlorodibromomethane	EPA TO-15	10248803	NELAP	LA

Air Emissions

Analyte	Method Name	Method Code	Type	AB
4485 - Chloroethane (Ethyl chloride)	EPA TO-15	10248803	NELAP	LA
4505 - Chloroform	EPA TO-15	10248803	NELAP	LA
4555 - Cyclohexane	EPA TO-15	10248803	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA TO-15	10248803	NELAP	LA
4652 - Dichlorotetrafluoroethane	EPA TO-15	10248803	NELAP	LA
4755 - Ethyl acetate	EPA TO-15	10248803	NELAP	LA
4765 - Ethylbenzene	EPA TO-15	10248803	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA TO-15	10248803	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA TO-15	10248803	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA TO-15	10248803	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA TO-15	10248803	NELAP	LA
4836 - Propylene	EPA TO-15	10248803	NELAP	LA
5100 - Styrene	EPA TO-15	10248803	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA TO-15	10248803	NELAP	LA
5120 - Tetrahydrofuran (THF)	EPA TO-15	10248803	NELAP	LA
5140 - Toluene	EPA TO-15	10248803	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA TO-15	10248803	NELAP	LA
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA TO-15	10248803	NELAP	LA
5225 - Vinyl acetate	EPA TO-15	10248803	NELAP	LA
5235 - Vinyl chloride	EPA TO-15	10248803	NELAP	LA
5260 - Xylene (total)	EPA TO-15	10248803	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA TO-15	10248803	NELAP	LA
5240 - m+p-xylene	EPA TO-15	10248803	NELAP	LA
4825 - n-Heptane	EPA TO-15	10248803	NELAP	LA
4855 - n-Hexane	EPA TO-15	10248803	NELAP	LA
5250 - o-Xylene	EPA TO-15	10248803	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA TO-15	10248803	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA TO-15	10248803	NELAP	LA
9318 - 1,3-Butadiene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4917 - 1-Butene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4832 - 1-Hexene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4833 - 1-Pentene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4666 - 2,2-Dimethylbutane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
9511 - 2,2-Dimethylpropane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4938 - 2-Methylbutane (Isopentane)	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4941 - 2-Methylpentane (Isohexane)	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4942 - 2-methylpropane (Isobutane)	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4534 - 3-Methylpentane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
3755 - Carbon dioxide	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
3780 - Carbon monoxide	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4747 - Ethane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4752 - Ethylene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
1772 - Hydrogen	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4926 - Methane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
1843 - Nitrogen	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
3895 - Oxygen	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
5029 - Propane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4836 - Propylene	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
5007 - n-Butane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
4855 - n-Hexane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA
5028 - n-Pentane	ASTM D1946-90, Rev.2011	30024454	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
100667 - Chromium(III)	EPA 200.7 minus SM 3500 Cr B (calc.)	3824	NELAP	LA
100667 - Chromium(III)	EPA 6010B minus SM 3500 Cr B (calc.)	3825	NELAP	LA
1827 - Total Nitrogen	EPA 9056A plus EPA 351.2 (calc.)	3826	NELAP	LA
1827 - Total Nitrogen	EPA 353.2 plus EPA 351.2 (calc.)	3827	NELAP	LA
1827 - Total Nitrogen	EPA 300.0 plus EPA 351.2 (calc.)	3828	NELAP	LA
1610 - Conductivity	EPA 120.1	10006403	NELAP	LA
8039 - Resistivity	EPA 120.1	10006403	NELAP	LA
1975 - Salinity	EPA 120.1	10006403	NELAP	LA
1970 - Residue-volatile	EPA 160.4	10010409	NELAP	LA
2070 - Volatile suspended solids	EPA 160.4	10010409	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
1990 - Silica as SiO2	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
1910 - Total Phosphorus	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
1095 - Mercury	EPA 245.1, Rev.3	10036609	NELAP	LA
1155 - Sodium	EPA 273.1	10047208	NELAP	LA
1540 - Bromide	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1575 - Chloride	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1730 - Fluoride	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1805 - Nitrate	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1810 - Nitrate as N	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1820 - Nitrate-Nitrite	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1835 - Nitrite	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1840 - Nitrite as N	EPA 300.0, Rev.2.1	10053200	NELAP	LA
2000 - Sulfate	EPA 300.0, Rev.2.1	10053200	NELAP	LA
1635 - Cyanide	EPA 335.4	10061402	NELAP	LA
1515 - Ammonia as N	EPA 350.1, Rev.2	10063602	NELAP	LA
1795 - Kjeldahl nitrogen - total	EPA 351.2, Rev.2	10065404	NELAP	LA
1810 - Nitrate as N	EPA 353.2, Rev.2	10067604	NELAP	LA
1823 - Nitrate plus Nitrite as N	EPA 353.2, Rev.2	10067604	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1840 - Nitrite as N	EPA 353.2, Rev.2	10067604	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
5140 - Toluene	EPA 602	10102202	NELAP	LA
5260 - Xylene (total)	EPA 602	10102202	NELAP	LA
5160 - 1,1,1-Trichloroethane	EPA 624	10107207	NELAP	LA
5110 - 1,1,2,2-Tetrachloroethane	EPA 624	10107207	NELAP	LA
5165 - 1,1,2-Trichloroethane	EPA 624	10107207	NELAP	LA
4630 - 1,1-Dichloroethane	EPA 624	10107207	NELAP	LA
4640 - 1,1-Dichloroethylene	EPA 624	10107207	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 624	10107207	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 624	10107207	NELAP	LA
4655 - 1,2-Dichloropropane	EPA 624	10107207	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 624	10107207	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 624	10107207	NELAP	LA
4410 - 2-Butanone (Methyl ethyl ketone, MEK)	EPA 624	10107207	NELAP	LA
4500 - 2-Chloroethyl vinyl ether	EPA 624	10107207	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 624	10107207	NELAP	LA
4315 - Acetone	EPA 624	10107207	NELAP	LA
4325 - Acrolein (Propenal)	EPA 624	10107207	NELAP	LA
4340 - Acrylonitrile	EPA 624	10107207	NELAP	LA
4375 - Benzene	EPA 624	10107207	NELAP	LA
4395 - Bromodichloromethane	EPA 624	10107207	NELAP	LA
4400 - Bromoform	EPA 624	10107207	NELAP	LA
4450 - Carbon disulfide	EPA 624	10107207	NELAP	LA
4455 - Carbon tetrachloride	EPA 624	10107207	NELAP	LA
4475 - Chlorobenzene	EPA 624	10107207	NELAP	LA
4575 - Chlorodibromomethane	EPA 624	10107207	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 624	10107207	NELAP	LA
4505 - Chloroform	EPA 624	10107207	NELAP	LA
100485 - Divinylbenzene (vinylstyrene)	EPA 624	10107207	NELAP	LA
4765 - Ethylbenzene	EPA 624	10107207	NELAP	LA
4950 - Methyl bromide (Bromomethane)	EPA 624	10107207	NELAP	LA
4960 - Methyl chloride (Chloromethane)	EPA 624	10107207	NELAP	LA
4990 - Methyl methacrylate	EPA 624	10107207	NELAP	LA
5000 - Methyl tert-butyl ether (MTBE)	EPA 624	10107207	NELAP	LA
4975 - Methylene chloride (Dichloromethane)	EPA 624	10107207	NELAP	LA
5100 - Styrene	EPA 624	10107207	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	EPA 624	10107207	NELAP	LA
5140 - Toluene	EPA 624	10107207	NELAP	LA
5170 - Trichloroethene (Trichloroethylene)	EPA 624	10107207	NELAP	LA
5175 - Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	EPA 624	10107207	NELAP	LA
5225 - Vinyl acetate	EPA 624	10107207	NELAP	LA
5235 - Vinyl chloride	EPA 624	10107207	NELAP	LA
5260 - Xylene (total)	EPA 624	10107207	NELAP	LA
4645 - cis-1,2-Dichloroethylene	EPA 624	10107207	NELAP	LA
4680 - cis-1,3-Dichloropropene	EPA 624	10107207	NELAP	LA
4700 - trans-1,2-Dichloroethylene	EPA 624	10107207	NELAP	LA
4685 - trans-1,3-Dichloropropylene	EPA 624	10107207	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 625	10107401	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6155 - 1,2-Dinitrobenzene	EPA 625	10107401	NELAP	LA
6220 - 1,2-Diphenylhydrazine	EPA 625	10107401	NELAP	LA
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 625	10107401	NELAP	LA
6165 - 1,4-Dinitrobenzene	EPA 625	10107401	NELAP	LA
5983 - 2,3-Dichlorophenol	EPA 625	10107401	NELAP	LA
6835 - 2,4,5-Trichlorophenol	EPA 625	10107401	NELAP	LA
6840 - 2,4,6-Trichlorophenol	EPA 625	10107401	NELAP	LA
6000 - 2,4-Dichlorophenol	EPA 625	10107401	NELAP	LA
6130 - 2,4-Dimethylphenol	EPA 625	10107401	NELAP	LA
6175 - 2,4-Dinitrophenol	EPA 625	10107401	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 625	10107401	NELAP	LA
5992 - 2,5-Dichlorophenol	EPA 625	10107401	NELAP	LA
6005 - 2,6-Dichlorophenol	EPA 625	10107401	NELAP	LA
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 625	10107401	NELAP	LA
100151 - 2-Butoxyethanol	EPA 625	10107401	NELAP	LA
5795 - 2-Chloronaphthalene	EPA 625	10107401	NELAP	LA
5800 - 2-Chlorophenol	EPA 625	10107401	NELAP	LA
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 625	10107401	NELAP	LA
6385 - 2-Methylnaphthalene	EPA 625	10107401	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 625	10107401	NELAP	LA
6460 - 2-Nitroaniline	EPA 625	10107401	NELAP	LA
6490 - 2-Nitrophenol	EPA 625	10107401	NELAP	LA
6412 - 3+4 Methylphenol	EPA 625	10107401	NELAP	LA
5945 - 3,3'-Dichlorobenzidine	EPA 625	10107401	NELAP	LA
5997 - 3,4-Dichlorophenol	EPA 625	10107401	NELAP	LA
100509 - 3,5-Dichlorophenol	EPA 625	10107401	NELAP	LA
6465 - 3-Nitroaniline	EPA 625	10107401	NELAP	LA
5660 - 4-Bromophenyl phenyl ether	EPA 625	10107401	NELAP	LA
5700 - 4-Chloro-3-methylphenol	EPA 625	10107401	NELAP	LA
5745 - 4-Chloroaniline	EPA 625	10107401	NELAP	LA
5825 - 4-Chlorophenyl phenylether	EPA 625	10107401	NELAP	LA
6470 - 4-Nitroaniline	EPA 625	10107401	NELAP	LA
6500 - 4-Nitrophenol	EPA 625	10107401	NELAP	LA
5500 - Acenaphthene	EPA 625	10107401	NELAP	LA
5505 - Acenaphthylene	EPA 625	10107401	NELAP	LA
5510 - Acetophenone	EPA 625	10107401	NELAP	LA
5545 - Aniline	EPA 625	10107401	NELAP	LA
5555 - Anthracene	EPA 625	10107401	NELAP	LA
5595 - Benzidine	EPA 625	10107401	NELAP	LA
5575 - Benzo(a)anthracene	EPA 625	10107401	NELAP	LA
5580 - Benzo(a)pyrene	EPA 625	10107401	NELAP	LA
5585 - Benzo(b)fluoranthene	EPA 625	10107401	NELAP	LA
5590 - Benzo(g,h,i)perylene	EPA 625	10107401	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 625	10107401	NELAP	LA
5610 - Benzoic acid	EPA 625	10107401	NELAP	LA
5630 - Benzyl alcohol	EPA 625	10107401	NELAP	LA
5670 - Butyl benzyl phthalate	EPA 625	10107401	NELAP	LA
5680 - Carbazole	EPA 625	10107401	NELAP	LA
5855 - Chrysene	EPA 625	10107401	NELAP	LA
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 625	10107401	NELAP	LA
5925 - Di-n-butyl phthalate	EPA 625	10107401	NELAP	LA
6200 - Di-n-octyl phthalate	EPA 625	10107401	NELAP	LA
5895 - Dibenz(a,h) anthracene	EPA 625	10107401	NELAP	LA
5905 - Dibenzofuran	EPA 625	10107401	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
6070 - Diethyl phthalate	EPA 625	10107401	NELAP	LA
6135 - Dimethyl phthalate	EPA 625	10107401	NELAP	LA
100152 - Ethylene glycol dimethacrylate	EPA 625	10107401	NELAP	LA
6265 - Fluoranthene	EPA 625	10107401	NELAP	LA
6270 - Fluorene	EPA 625	10107401	NELAP	LA
6275 - Hexachlorobenzene	EPA 625	10107401	NELAP	LA
4835 - Hexachlorobutadiene	EPA 625	10107401	NELAP	LA
6285 - Hexachlorocyclopentadiene	EPA 625	10107401	NELAP	LA
4840 - Hexachloroethane	EPA 625	10107401	NELAP	LA
6315 - Indeno(1,2,3-cd) pyrene	EPA 625	10107401	NELAP	LA
6320 - Isophorone	EPA 625	10107401	NELAP	LA
5005 - Naphthalene	EPA 625	10107401	NELAP	LA
5015 - Nitrobenzene	EPA 625	10107401	NELAP	LA
6590 - Pentachlorobenzene	EPA 625	10107401	NELAP	LA
6605 - Pentachlorophenol	EPA 625	10107401	NELAP	LA
6615 - Phenanthrene	EPA 625	10107401	NELAP	LA
6625 - Phenol	EPA 625	10107401	NELAP	LA
6665 - Pyrene	EPA 625	10107401	NELAP	LA
5095 - Pyridine	EPA 625	10107401	NELAP	LA
100510 - Total Tetrachlorobenzenes	EPA 625	10107401	NELAP	LA
6700 - alpha-Terpineol	EPA 625	10107401	NELAP	LA
5760 - bis(2-Chloroethoxy)methane	EPA 625	10107401	NELAP	LA
5765 - bis(2-Chloroethyl) ether	EPA 625	10107401	NELAP	LA
5780 - bis(2-Chloroisopropyl) ether	EPA 625	10107401	NELAP	LA
100149 - m+p chlorophenols	EPA 625	10107401	NELAP	LA
5875 - n-Decane	EPA 625	10107401	NELAP	LA
6545 - n-Nitrosodi-n-propylamine	EPA 625	10107401	NELAP	LA
6530 - n-Nitrosodimethylamine	EPA 625	10107401	NELAP	LA
6535 - n-Nitrosodiphenylamine	EPA 625	10107401	NELAP	LA
6580 - n-Octadecane	EPA 625	10107401	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
3287 - 96-hour LC50	EPA 1619	10120782	NELAP	LA
3460 - LC50 Survival	EPA 1619	10120782	NELAP	LA
3395 - Mysidopsis bahia	EPA 1619	10120782	NELAP	LA
3217 - 10-day definitive LC50	EPA 1644	10124433	NELAP	LA
3287 - 96-hour LC50	EPA 1644	10124433	NELAP	LA
3461 - Leptochirus plumulosus	EPA 1644	10124433	NELAP	LA
3988 - Toxicity Ratio	EPA 1644	10124433	NELAP	LA
6143 - Hexane Extractable Material (HEM)	EPA 1664A (HEM)	10127807	NELAP	LA
6142 - Hexane Extractable Material - Silica Gel Treated (HEM-SGT)	EPA 1664A (HEM)	10127807	NELAP	LA
1860 - Oil & Grease	EPA 1664A (HEM)	10127807	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	EPA 1664A (HEM)	10127807	NELAP	LA
100004 - 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
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

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
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
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
1990 - Silica as SiO2	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
1910 - Total Phosphorus	EPA 6010B	10155609	NELAP	LA
1185 - Vanadium	EPA 6010B	10155609	NELAP	LA
1190 - Zinc	EPA 6010B	10155609	NELAP	LA
1095 - Mercury	EPA 7470A	10165807	NELAP	LA
9369 - Diesel range organics (DRO)	EPA 8015B	10173601	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015B	10173601	NELAP	LA
100496 - Total Petroleum Hydrocarbons (Aviation Gasoline Range)	EPA 8015B	10173601	NELAP	LA
100497 - Total Petroleum Hydrocarbons (Jet Fuel Range)	EPA 8015B	10173601	NELAP	LA
100498 - Total Petroleum Hydrocarbons (Oil Range)	EPA 8015B	10173601	NELAP	LA
4375 - Benzene	EPA 8021B	10174808	NELAP	LA
4765 - Ethylbenzene	EPA 8021B	10174808	NELAP	LA
5140 - Toluene	EPA 8021B	10174808	NELAP	LA
5260 - Xylene (total)	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
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
4610 - 1,2-Dichlorobenzene	EPA 8260B	10184802	NELAP	LA
4635 - 1,2-Dichloroethane (Ethylene dichloride)	EPA 8260B	10184802	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
4655 - 1,2-Dichloropropane	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
4620 - 1,4-Dichlorobenzene	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
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
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	LA
4315 - Acetone	EPA 8260B	10184802	NELAP	LA
4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	LA
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	LA
4375 - Benzene	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	EPA 8260B	10184802	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	LA
4505 - Chloroform	EPA 8260B	10184802	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	LA
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	LA
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	LA
4900 - Isopropylbenzene	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
4975 - Methylene chloride (Dichloromethane)	EPA 8260B	10184802	NELAP	LA
5005 - Naphthalene	EPA 8260B	10184802	NELAP	LA
5100 - Styrene	EPA 8260B	10184802	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	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
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
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	LA
4440 - sec-Butylbenzene	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
6703 - 1,1'-Biphenyl (BZ-0)	EPA 8270C	10185805	NELAP	LA
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8270C	10185805	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6220 - 1,2-Diphenylhydrazine	EPA 8270C	10185805	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6735 - 2,3,4,6-Tetrachlorophenol	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
6000 - 2,4-Dichlorophenol	EPA 8270C	10185805	NELAP	LA
6130 - 2,4-Dimethylphenol	EPA 8270C	10185805	NELAP	LA
6175 - 2,4-Dinitrophenol	EPA 8270C	10185805	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	LA
6005 - 2,6-Dichlorophenol	EPA 8270C	10185805	NELAP	LA
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	NELAP	LA
100151 - 2-Butoxyethanol	EPA 8270C	10185805	NELAP	LA
5795 - 2-Chloronaphthalene	EPA 8270C	10185805	NELAP	LA
5800 - 2-Chlorophenol	EPA 8270C	10185805	NELAP	LA
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270C	10185805	NELAP	LA
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270C	10185805	NELAP	LA
6385 - 2-Methylnaphthalene	EPA 8270C	10185805	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	LA
6460 - 2-Nitroaniline	EPA 8270C	10185805	NELAP	LA
6490 - 2-Nitrophenol	EPA 8270C	10185805	NELAP	LA
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	NELAP	LA
5945 - 3,3'-Dichlorobenzidine	EPA 8270C	10185805	NELAP	LA
6465 - 3-Nitroaniline	EPA 8270C	10185805	NELAP	LA
5660 - 4-Bromophenyl phenyl ether	EPA 8270C	10185805	NELAP	LA
5700 - 4-Chloro-3-methylphenol	EPA 8270C	10185805	NELAP	LA
5745 - 4-Chloroaniline	EPA 8270C	10185805	NELAP	LA
5825 - 4-Chlorophenyl phenylether	EPA 8270C	10185805	NELAP	LA
6470 - 4-Nitroaniline	EPA 8270C	10185805	NELAP	LA
6500 - 4-Nitrophenol	EPA 8270C	10185805	NELAP	LA
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	LA
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	LA
5510 - Acetophenone	EPA 8270C	10185805	NELAP	LA
5545 - Aniline	EPA 8270C	10185805	NELAP	LA
5555 - Anthracene	EPA 8270C	10185805	NELAP	LA
5595 - Benzidine	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
5610 - Benzoic acid	EPA 8270C	10185805	NELAP	LA
5630 - Benzyl alcohol	EPA 8270C	10185805	NELAP	LA
5670 - Butyl benzyl phthalate	EPA 8270C	10185805	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
5680 - Carbazole	EPA 8270C	10185805	NELAP	LA
5855 - Chrysene	EPA 8270C	10185805	NELAP	LA
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270C	10185805	NELAP	LA
5925 - Di-n-butyl phthalate	EPA 8270C	10185805	NELAP	LA
6200 - Di-n-octyl phthalate	EPA 8270C	10185805	NELAP	LA
5895 - Dibenz(a,h) anthracene	EPA 8270C	10185805	NELAP	LA
5905 - Dibenzofuran	EPA 8270C	10185805	NELAP	LA
6070 - Diethyl phthalate	EPA 8270C	10185805	NELAP	LA
6135 - Dimethyl phthalate	EPA 8270C	10185805	NELAP	LA
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	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
6285 - Hexachlorocyclopentadiene	EPA 8270C	10185805	NELAP	LA
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	LA
6315 - Indeno(1,2,3-cd) pyrene	EPA 8270C	10185805	NELAP	LA
6320 - Isophorone	EPA 8270C	10185805	NELAP	LA
5005 - Naphthalene	EPA 8270C	10185805	NELAP	LA
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	LA
6590 - Pentachlorobenzene	EPA 8270C	10185805	NELAP	LA
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	LA
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	LA
6625 - Phenol	EPA 8270C	10185805	NELAP	LA
6665 - Pyrene	EPA 8270C	10185805	NELAP	LA
5095 - Pyridine	EPA 8270C	10185805	NELAP	LA
5862 - Total Cresols	EPA 8270C	10185805	NELAP	LA
5760 - bis(2-Chloroethoxy)methane	EPA 8270C	10185805	NELAP	LA
5765 - bis(2-Chloroethyl) ether	EPA 8270C	10185805	NELAP	LA
5780 - bis(2-Chloroisopropyl) ether	EPA 8270C	10185805	NELAP	LA
100150 - m+p cresols	EPA 8270C	10185805	NELAP	LA
6545 - n-Nitrosodi-n-propylamine	EPA 8270C	10185805	NELAP	LA
6530 - n-Nitrosodimethylamine	EPA 8270C	10185805	NELAP	LA
6535 - n-Nitrosodiphenylamine	EPA 8270C	10185805	NELAP	LA
6385 - 2-Methylnaphthalene	EPA 8310	10187607	NELAP	LA
5500 - Acenaphthene	EPA 8310	10187607	NELAP	LA
5505 - Acenaphthylene	EPA 8310	10187607	NELAP	LA
5555 - Anthracene	EPA 8310	10187607	NELAP	LA
5575 - Benzo(a)anthracene	EPA 8310	10187607	NELAP	LA
5580 - Benzo(a)pyrene	EPA 8310	10187607	NELAP	LA
5585 - Benzo(b)fluoranthene	EPA 8310	10187607	NELAP	LA
5600 - Benzo(k)fluoranthene	EPA 8310	10187607	NELAP	LA
5855 - Chrysene	EPA 8310	10187607	NELAP	LA
5895 - Dibenz(a,h) anthracene	EPA 8310	10187607	NELAP	LA
6265 - Fluoranthene	EPA 8310	10187607	NELAP	LA
6270 - Fluorene	EPA 8310	10187607	NELAP	LA
6315 - Indeno(1,2,3-cd) pyrene	EPA 8310	10187607	NELAP	LA
5005 - Naphthalene	EPA 8310	10187607	NELAP	LA
6615 - Phenanthrene	EPA 8310	10187607	NELAP	LA
6665 - Pyrene	EPA 8310	10187607	NELAP	LA
1540 - Bromide	EPA 9056A	10199607	NELAP	LA
1575 - Chloride	EPA 9056A	10199607	NELAP	LA
1730 - Fluoride	EPA 9056A	10199607	NELAP	LA
1805 - Nitrate	EPA 9056A	10199607	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
1810 - Nitrate as N	EPA 9056A	10199607	NELAP	LA
1820 - Nitrate-Nitrite	EPA 9056A	10199607	NELAP	LA
1835 - Nitrite	EPA 9056A	10199607	NELAP	LA
1840 - Nitrite as N	EPA 9056A	10199607	NELAP	LA
2000 - Sulfate	EPA 9056A	10199607	NELAP	LA
1575 - Chloride	EPA 9253	10208001	NELAP	LA
3315 - Ceriodaphnia dubia	EPA 2002 Ceriodaphnia dubia Acute MHSF 25ºC	10214809	NELAP	LA
3460 - LC50 Survival	EPA 2002 Ceriodaphnia dubia Acute MHSF 25ºC	10214809	NELAP	LA
3465 - NOEC Survival	EPA 2002 Ceriodaphnia dubia Acute MHSF 25ºC	10214809	NELAP	LA
3350 - Daphnia magna	EPA 2021.0 - Daphnia magna, 48-hr Acute, nonrenewal, MHSF 25°C	10215415	NELAP	LA
3460 - LC50 Survival	EPA 2021.0 - Daphnia magna, 48-hr Acute, nonrenewal, MHSF 25°C	10215415	NELAP	LA
3465 - NOEC Survival	EPA 2021.0 - Daphnia magna, 48-hr Acute, nonrenewal, MHSF 25°C	10215415	NELAP	LA
3355 - Daphnia pulex	EPA 821/R-02/012 (2021.0), 5th ED	10215426	NELAP	LA
3460 - LC50 Survival	EPA 821/R-02/012 (2021.0), 5th ED	10215426	NELAP	LA
3465 - NOEC Survival	EPA 821/R-02/012 (2021.0), 5th ED	10215426	NELAP	LA
3460 - LC50 Survival	EPA 2007.0, 5th Edition	10216010	NELAP	LA
3395 - Mysidopsis bahia	EPA 2007.0, 5th Edition	10216010	NELAP	LA
3465 - NOEC Survival	EPA 2007.0, 5th Edition	10216010	NELAP	LA
3460 - LC50 Survival	EPA 2006, 5th ED	10216407	NELAP	LA
3380 - Menidia beryllina	EPA 2006, 5th ED	10216407	NELAP	LA
3465 - NOEC Survival	EPA 2006, 5th ED	10216407	NELAP	LA
1865 - Organic nitrogen	EPA 351.2 minus EPA 350.1	10238207	NELAP	LA
1900 - pH	EPA 9040C	10244403	NELAP	LA
3470 - IC25 (ON) Growth	EPA 1000.0	10252605	NELAP	LA
3482 - IC25 Survival	EPA 1000.0	10252605	NELAP	LA
3475 - NOEC (ON) Growth	EPA 1000.0	10252605	NELAP	LA
3465 - NOEC Survival	EPA 1000.0	10252605	NELAP	LA
3410 - Pimephales promelas	EPA 1000.0	10252605	NELAP	LA
3315 - Ceriodaphnia dubia	EPA 1002.0	10253006	NELAP	LA
3480 - IC25 Reproduction	EPA 1002.0	10253006	NELAP	LA
3482 - IC25 Survival	EPA 1002.0	10253006	NELAP	LA
3485 - NOEC Reproduction	EPA 1002.0	10253006	NELAP	LA
3465 - NOEC Survival	EPA 1002.0	10253006	NELAP	LA
3470 - IC25 (ON) Growth	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C	10253802	NELAP	LA
3482 - IC25 Survival	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C	10253802	NELAP	LA
3380 - Menidia beryllina	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C	10253802	NELAP	LA
3475 - NOEC (ON) Growth	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C	10253802	NELAP	LA
3465 - NOEC Survival	EPA 1006.0 - Inland silverside, 7-day Chronic, daily renewal, 40-fathoms SW 25°C	10253802	NELAP	LA
3470 - IC25 (ON) Growth	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C	10254009	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
3482 - IC25 Survival	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C	10254009	NELAP	LA
3395 - Mysidopsis bahia	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C	10254009	NELAP	LA
3475 - NOEC (ON) Growth	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C	10254009	NELAP	LA
3465 - NOEC Survival	EPA 1007.0 - Mysid, 7-day Chronic, daily renewal, 40-fathoms SW 26°C	10254009	NELAP	LA
3460 - LC50 Survival	EPA 2000.0	10264809	NELAP	LA
3465 - NOEC Survival	EPA 2000.0	10264809	NELAP	LA
3410 - Pimephales promelas	EPA 2000.0	10264809	NELAP	LA
1406 - Purge and trap for aqueous phase samples	EPA 5030C	10284603	NELAP	LA
8042 - Specific Gravity (Relative Density)	SM 2710 F, Online Edition	20005838	NELAP	LA
1505 - Alkalinity as CaCO3	SM 2320 B-97, Online Edition	20045607	NELAP	LA
100524 - Alkalinity by phenolphthalein titration	SM 2320 B-97, Online Edition	20045607	NELAP	LA
100410 - Alkalinity, bicarbonate	SM 2320 B-97, Online Edition	20045607	NELAP	LA
100411 - Alkalinity, carbonate	SM 2320 B-97, Online Edition	20045607	NELAP	LA
1550 - Calcium hardness as CaCO3	SM 2340 B-97, Online Edition	20046600	NELAP	LA
1755 - Total hardness as CaCO3	SM 2340 B-97, Online Edition	20046600	NELAP	LA
2055 - Turbidity	SM 2130 B-2001	20048219	NELAP	LA
1950 - Residue-total	SM 2540 B-97, Online Edition	20049405	NELAP	LA
1955 - Residue-filterable (TDS)	SM 2540 C-97, Online Edition	20050402	NELAP	LA
1960 - Residue-nonfilterable (TSS)	SM 2540 D-97, Online Edition	20051201	NELAP	LA
1965 - Residue-settleable	SM 2540 F-97, Online Edition	20052204	NELAP	LA
2030 - Temperature, deg. C	SM 2550 B-2000	20053218	NELAP	LA
1045 - Chromium VI	SM 3500-Cr B-2009	20066255	NELAP	LA
1580 - Chlorine	SM 4500-Cl G-2000	20081612	NELAP	LA
1945 - Residual free chlorine	SM 4500-Cl G-2000	20081612	NELAP	LA
1940 - Total residual chlorine	SM 4500-Cl G-2000	20081612	NELAP	LA
1575 - Chloride	SM 4500-Cl^- B-97, Online Edition	20084600	NELAP	LA
1900 - pH	SM 4500-H+ B-2000	20105219	NELAP	LA
1880 - Oxygen, dissolved	SM 4500-O G-2001	20121657	NELAP	LA
2005 - Sulfide	SM 4500-$S2^-$ D-2011	20125864	NELAP	LA
2005 - Sulfide	SM 4500-$S2^-$ F-2000	20126652	NELAP	LA
2015 - Sulfite-SO3	SM 4500-$SO3^-$ B-2000	20130625	NELAP	LA
1530 - Biochemical oxygen demand	SM 5210 B-2001	20135255	NELAP	LA
1555 - Carbonaceous BOD, CBOD	SM 5210 B-2001	20135255	NELAP	LA
2040 - Total Organic Carbon	SM 5310 B-2000	20137819	NELAP	LA
2500 - Total coliforms	SM 9222 B (M-Endo)-97, Online Edition	20207403	NELAP	LA
2530 - Fecal coliforms	SM 9222 D (m-FC)-97, Online Edition	20210008	NELAP	LA
1565 - Chemical oxygen demand	Hach 8000	60003001	NELAP	LA
100501 - EPH Aliphatic C10-C12	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9672 - EPH Aliphatic C12-C16	MADEP EPH, Rev.1.1	90017202	NELAP	LA
100503 - EPH Aliphatic C16-C35	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6218 - EPH Aliphatic C19-C36	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6222 - EPH Aliphatic C9-C18	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9678 - EPH Aromatic C10-C12	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6232 - EPH Aromatic C11-C22	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9680 - EPH Aromatic C12-C16	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9682 - EPH Aromatic C16-C21	MADEP EPH, Rev.1.1	90017202	NELAP	LA
100504 - EPH Aromatic C21-C35	MADEP EPH, Rev.1.1	90017202	NELAP	LA
5311 - VPH Aromatic C9-C10	MADEP EPH, Rev.1.1	90017202	NELAP	LA
5304 - VPH Aliphatic C5-C8	MADEP VPH, Rev.1.1	90017406	NELAP	LA

Non Potable Water

Analyte	Method Name	Method Code	Type	AB
100505 - VPH Aliphatic C6-C8	MADEP VPH, Rev.1.1	90017406	NELAP	LA
100507 - VPH Aliphatic C8-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
5306 - VPH Aliphatic C9-C12	MADEP VPH, Rev.1.1	90017406	NELAP	LA
100506 - VPH Aromatic C8-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
5311 - VPH Aromatic C9-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
9419 - Total Petroleum Hydrocarbons (>C10-C28)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100531 - Total Petroleum Hydrocarbons (>C12-C28)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100532 - Total Petroleum Hydrocarbons (>C28-C35)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100529 - Total Petroleum Hydrocarbons (C6-C12)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100530 - Total Petroleum Hydrocarbons (C6-C35)	TNRCC 1005, Rev.3	90019208	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1005, Rev.3	90019208	NELAP	LA
9415 - Total Petroleum Hydrocarbons C6 - C10	TNRCC 1005, Rev.3	90019208	NELAP	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
100710 - Crude Oil	EPA 1655	2990	NELAP	LA
1923 - Reactive Cyanide	EPA 7.3.3.2, Rev.3	10001204	NELAP	LA
1925 - Reactive sulfide	EPA 7.3.4.2, Rev.3	10001408	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
100007 - Acid Digestion of Sediments, Sludges, and soils	EPA 3050B	10135601	NELAP	LA
100010 - Automated Soxhlet Extraction	EPA 3541	10140406	NELAP	LA
1468 - Ultrasonic Extraction	EPA 3550C	10142004	NELAP	LA
100017 - 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
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

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
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
1910 - Total Phosphorus	EPA 6010B	10155609	NELAP	LA
1185 - Vanadium	EPA 6010B	10155609	NELAP	LA
1190 - Zinc	EPA 6010B	10155609	NELAP	LA
1095 - Mercury	EPA 7471A	10166208	NELAP	LA
9369 - Diesel range organics (DRO)	EPA 8015B	10173601	NELAP	LA
9408 - Gasoline range organics (GRO)	EPA 8015B	10173601	NELAP	LA
100496 - Total Petroleum Hydrocarbons (Aviation Gasoline Range)	EPA 8015B	10173601	NELAP	LA
100497 - Total Petroleum Hydrocarbons (Jet Fuel Range)	EPA 8015B	10173601	NELAP	LA
100498 - Total Petroleum Hydrocarbons (Oil Range)	EPA 8015B	10173601	NELAP	LA
4375 - Benzene	EPA 8021B	10174808	NELAP	LA
4765 - Ethylbenzene	EPA 8021B	10174808	NELAP	LA
5140 - Toluene	EPA 8021B	10174808	NELAP	LA
5260 - Xylene (total)	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
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
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
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
4620 - 1,4-Dichlorobenzene	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
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
4540 - 4-Chlorotoluene	EPA 8260B	10184802	NELAP	LA
4995 - 4-Methyl-2-pentanone (MIBK)	EPA 8260B	10184802	NELAP	LA
4315 - Acetone	EPA 8260B	10184802	NELAP	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
4325 - Acrolein (Propenal)	EPA 8260B	10184802	NELAP	LA
4340 - Acrylonitrile	EPA 8260B	10184802	NELAP	LA
4375 - Benzene	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	EPA 8260B	10184802	NELAP	LA
4485 - Chloroethane (Ethyl chloride)	EPA 8260B	10184802	NELAP	LA
4505 - Chloroform	EPA 8260B	10184802	NELAP	LA
4595 - Dibromomethane (Methylene bromide)	EPA 8260B	10184802	NELAP	LA
4625 - Dichlorodifluoromethane (Freon-12)	EPA 8260B	10184802	NELAP	LA
4810 - Ethyl methacrylate	EPA 8260B	10184802	NELAP	LA
4765 - Ethylbenzene	EPA 8260B	10184802	NELAP	LA
4870 - Iodomethane (Methyl iodide)	EPA 8260B	10184802	NELAP	LA
4900 - Isopropylbenzene	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
4975 - Methylene chloride (Dichloromethane)	EPA 8260B	10184802	NELAP	LA
5005 - Naphthalene	EPA 8260B	10184802	NELAP	LA
5100 - Styrene	EPA 8260B	10184802	NELAP	LA
5115 - Tetrachloroethylene (Perchloroethylene)	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
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
4435 - n-Butylbenzene	EPA 8260B	10184802	NELAP	LA
5090 - n-Propylbenzene	EPA 8260B	10184802	NELAP	LA
4440 - sec-Butylbenzene	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
6703 - 1,1'-Biphenyl (BZ-0)	EPA 8270C	10185805	NELAP	LA
6715 - 1,2,4,5-Tetrachlorobenzene	EPA 8270C	10185805	NELAP	LA
5155 - 1,2,4-Trichlorobenzene	EPA 8270C	10185805	NELAP	LA
4610 - 1,2-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6220 - 1,2-Diphenylhydrazine	EPA 8270C	10185805	NELAP	LA
4615 - 1,3-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA
6160 - 1,3-Dinitrobenzene (1,3-DNB)	EPA 8270C	10185805	NELAP	LA
4620 - 1,4-Dichlorobenzene	EPA 8270C	10185805	NELAP	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6735 - 2,3,4,6-Tetrachlorophenol	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
6000 - 2,4-Dichlorophenol	EPA 8270C	10185805	NELAP	LA
6130 - 2,4-Dimethylphenol	EPA 8270C	10185805	NELAP	LA
6175 - 2,4-Dinitrophenol	EPA 8270C	10185805	NELAP	LA
6185 - 2,4-Dinitrotoluene (2,4-DNT)	EPA 8270C	10185805	NELAP	LA
6005 - 2,6-Dichlorophenol	EPA 8270C	10185805	NELAP	LA
6190 - 2,6-Dinitrotoluene (2,6-DNT)	EPA 8270C	10185805	NELAP	LA
100151 - 2-Butoxyethanol	EPA 8270C	10185805	NELAP	LA
5795 - 2-Chloronaphthalene	EPA 8270C	10185805	NELAP	LA
5800 - 2-Chlorophenol	EPA 8270C	10185805	NELAP	LA
6360 - 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	EPA 8270C	10185805	NELAP	LA
5145 - 2-Methylaniline (o-Toluidine)	EPA 8270C	10185805	NELAP	LA
6385 - 2-Methylnaphthalene	EPA 8270C	10185805	NELAP	LA
6400 - 2-Methylphenol (o-Cresol)	EPA 8270C	10185805	NELAP	LA
6460 - 2-Nitroaniline	EPA 8270C	10185805	NELAP	LA
6490 - 2-Nitrophenol	EPA 8270C	10185805	NELAP	LA
5050 - 2-Picoline (2-Methylpyridine)	EPA 8270C	10185805	NELAP	LA
5945 - 3,3'-Dichlorobenzidine	EPA 8270C	10185805	NELAP	LA
6465 - 3-Nitroaniline	EPA 8270C	10185805	NELAP	LA
5660 - 4-Bromophenyl phenyl ether	EPA 8270C	10185805	NELAP	LA
5700 - 4-Chloro-3-methylphenol	EPA 8270C	10185805	NELAP	LA
5745 - 4-Chloroaniline	EPA 8270C	10185805	NELAP	LA
5825 - 4-Chlorophenyl phenylether	EPA 8270C	10185805	NELAP	LA
6470 - 4-Nitroaniline	EPA 8270C	10185805	NELAP	LA
6500 - 4-Nitrophenol	EPA 8270C	10185805	NELAP	LA
5500 - Acenaphthene	EPA 8270C	10185805	NELAP	LA
5505 - Acenaphthylene	EPA 8270C	10185805	NELAP	LA
5510 - Acetophenone	EPA 8270C	10185805	NELAP	LA
5545 - Aniline	EPA 8270C	10185805	NELAP	LA
5555 - Anthracene	EPA 8270C	10185805	NELAP	LA
5595 - Benzidine	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
5610 - Benzoic acid	EPA 8270C	10185805	NELAP	LA
5630 - Benzyl alcohol	EPA 8270C	10185805	NELAP	LA
5670 - Butyl benzyl phthalate	EPA 8270C	10185805	NELAP	LA
5680 - Carbazole	EPA 8270C	10185805	NELAP	LA
5855 - Chrysene	EPA 8270C	10185805	NELAP	LA
6065 - Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	EPA 8270C	10185805	NELAP	LA
5925 - Di-n-butyl phthalate	EPA 8270C	10185805	NELAP	LA
6200 - Di-n-octyl phthalate	EPA 8270C	10185805	NELAP	LA
5895 - Dibenz(a,h) anthracene	EPA 8270C	10185805	NELAP	LA
5905 - Dibenzofuran	EPA 8270C	10185805	NELAP	LA
6070 - Diethyl phthalate	EPA 8270C	10185805	NELAP	LA
6135 - Dimethyl phthalate	EPA 8270C	10185805	NELAP	LA
8620 - Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270C	10185805	NELAP	LA
6265 - Fluoranthene	EPA 8270C	10185805	NELAP	LA
6270 - Fluorene	EPA 8270C	10185805	NELAP	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
6275 - Hexachlorobenzene	EPA 8270C	10185805	NELAP	LA
4835 - Hexachlorobutadiene	EPA 8270C	10185805	NELAP	LA
6285 - Hexachlorocyclopentadiene	EPA 8270C	10185805	NELAP	LA
4840 - Hexachloroethane	EPA 8270C	10185805	NELAP	LA
6315 - Indeno(1,2,3-cd) pyrene	EPA 8270C	10185805	NELAP	LA
6320 - Isophorone	EPA 8270C	10185805	NELAP	LA
5005 - Naphthalene	EPA 8270C	10185805	NELAP	LA
5015 - Nitrobenzene	EPA 8270C	10185805	NELAP	LA
6590 - Pentachlorobenzene	EPA 8270C	10185805	NELAP	LA
6605 - Pentachlorophenol	EPA 8270C	10185805	NELAP	LA
6615 - Phenanthrene	EPA 8270C	10185805	NELAP	LA
6625 - Phenol	EPA 8270C	10185805	NELAP	LA
6665 - Pyrene	EPA 8270C	10185805	NELAP	LA
5095 - Pyridine	EPA 8270C	10185805	NELAP	LA
5862 - Total Cresols	EPA 8270C	10185805	NELAP	LA
5760 - bis(2-Chloroethoxy)methane	EPA 8270C	10185805	NELAP	LA
5765 - bis(2-Chloroethyl) ether	EPA 8270C	10185805	NELAP	LA
5780 - bis(2-Chloroisopropyl) ether	EPA 8270C	10185805	NELAP	LA
100150 - m+p cresols	EPA 8270C	10185805	NELAP	LA
6545 - n-Nitrosodi-n-propylamine	EPA 8270C	10185805	NELAP	LA
6530 - n-Nitrosodimethylamine	EPA 8270C	10185805	NELAP	LA
6535 - n-Nitrosodiphenylamine	EPA 8270C	10185805	NELAP	LA
1540 - Bromide	EPA 9056A	10199607	NELAP	LA
1575 - Chloride	EPA 9056A	10199607	NELAP	LA
1805 - Nitrate	EPA 9056A	10199607	NELAP	LA
1810 - Nitrate as N	EPA 9056A	10199607	NELAP	LA
1820 - Nitrate-Nitrite	EPA 9056A	10199607	NELAP	LA
1835 - Nitrite	EPA 9056A	10199607	NELAP	LA
1840 - Nitrite as N	EPA 9056A	10199607	NELAP	LA
2000 - Sulfate	EPA 9056A	10199607	NELAP	LA
1860 - Oil & Grease	EPA 9071B, Rev.2	10201806	NELAP	LA
8641 - Percent Moisture	EPA 9071B, Rev.2	10201806	NELAP	LA
8642 - Percent Solids	EPA 9071B, Rev.2	10201806	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	EPA 9071B, Rev.2	10201806	NELAP	LA
1575 - Chloride	EPA 9253	10208001	NELAP	LA
1900 - pH	EPA 9045D	10244607	NELAP	LA
1745 - Free liquid	EPA 9095B	10245600	NELAP	LA
1505 - Alkalinity as CaCO3	SM 2320 B-2011	20045618	NELAP	LA
1506 - Alkalinity, bicarbonate	SM 2320 B-2011	20045618	NELAP	LA
1507 - Alkalinity, carbonate	SM 2320 B-2011	20045618	NELAP	LA
100711 - Fractional Organic Carbon (FOC)	ASTM D2974, Rev.2007	30026450	NELAP	LA
100037 - Organic Content Of Soil By Ignition	ASTM D2974	30026450	NELAP	LA
1525 - Percent ash	ASTM D2974, Rev.2007	30026450	NELAP	LA
1560 - Cation Exchange Capacity (CEC)	LDNR 29-B	90012058	State	LA
100114 - Electrical Conductivity (EC)	LDNR 29-B	90012058	State	LA
100107 - Exchangeable Sodium Percentage (ESP)	LDNR 29-B	90012058	State	LA
100146 - Leachable Chlorides Test	LDNR 29-B	90012058	State	LA
100147 - Leachable TPH Test	LDNR 29-B	90012058	State	LA
100545 - Leachate Oil and Grease	LDNR 29-B	90012058	State	LA
100119 - Leachate Test	LDNR 29-B	90012058	State	LA
100110 - Moisture % (LDNR 29-B)	LDNR 29-B	90012058	State	LA
100105 - Sample Preparation Procedure (LDNR 29-B)	LDNR 29-B	90012058	State	LA

Solid Chemical Materials

Analyte	Method Name	Method Code	Type	AB
100112 - Saturated Paste Preparation	LDNR 29-B	90012058	State	LA
100111 - Saturation %	LDNR 29-B	90012058	State	LA
100106 - Sodium Absorption Ratio (SAR)	LDNR 29-B	90012058	State	LA
100113 - Soluble Cation Extraction Procedure	LDNR 29-B	90012058	State	LA
100115 - Soluble Cations (Na, Ca, Mg)	LDNR 29-B	90012058	State	LA
100117 - True Total Barium	LDNR 29-B	90012058	State	LA
100109 - pH (LDNR 29-B)	LDNR 29-B	90012058	State	LA
100501 - EPH Aliphatic C10-C12	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9672 - EPH Aliphatic C12-C16	MADEP EPH, Rev.1.1	90017202	NELAP	LA
100503 - EPH Aliphatic C16-C35	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6218 - EPH Aliphatic C19-C36	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6222 - EPH Aliphatic C9-C18	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9678 - EPH Aromatic C10-C12	MADEP EPH, Rev.1.1	90017202	NELAP	LA
6232 - EPH Aromatic C11-C22	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9680 - EPH Aromatic C12-C16	MADEP EPH, Rev.1.1	90017202	NELAP	LA
9682 - EPH Aromatic C16-C21	MADEP EPH, Rev.1.1	90017202	NELAP	LA
100504 - EPH Aromatic C21-C35	MADEP EPH, Rev.1.1	90017202	NELAP	LA
5304 - VPH Aliphatic C5-C8	MADEP VPH, Rev.1.1	90017406	NELAP	LA
100505 - VPH Aliphatic C6-C8	MADEP VPH, Rev.1.1	90017406	NELAP	LA
100507 - VPH Aliphatic C8-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
5306 - VPH Aliphatic C9-C12	MADEP VPH, Rev.1.1	90017406	NELAP	LA
100506 - VPH Aromatic C8-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
5311 - VPH Aromatic C9-C10	MADEP VPH, Rev.1.1	90017406	NELAP	LA
9419 - Total Petroleum Hydrocarbons (>C10-C28)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100531 - Total Petroleum Hydrocarbons (>C12-C28)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100532 - Total Petroleum Hydrocarbons (>C28-C35)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100529 - Total Petroleum Hydrocarbons (C6-C12)	TNRCC 1005, Rev.3	90019208	NELAP	LA
100530 - Total Petroleum Hydrocarbons (C6-C35)	TNRCC 1005, Rev.3	90019208	NELAP	LA
2050 - Total Petroleum Hydrocarbons (TPH)	TNRCC 1005, Rev.3	90019208	NELAP	LA
9415 - Total Petroleum Hydrocarbons C6 - C10	TNRCC 1005, Rev.3	90019208	NELAP	LA

Biological Tissue

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