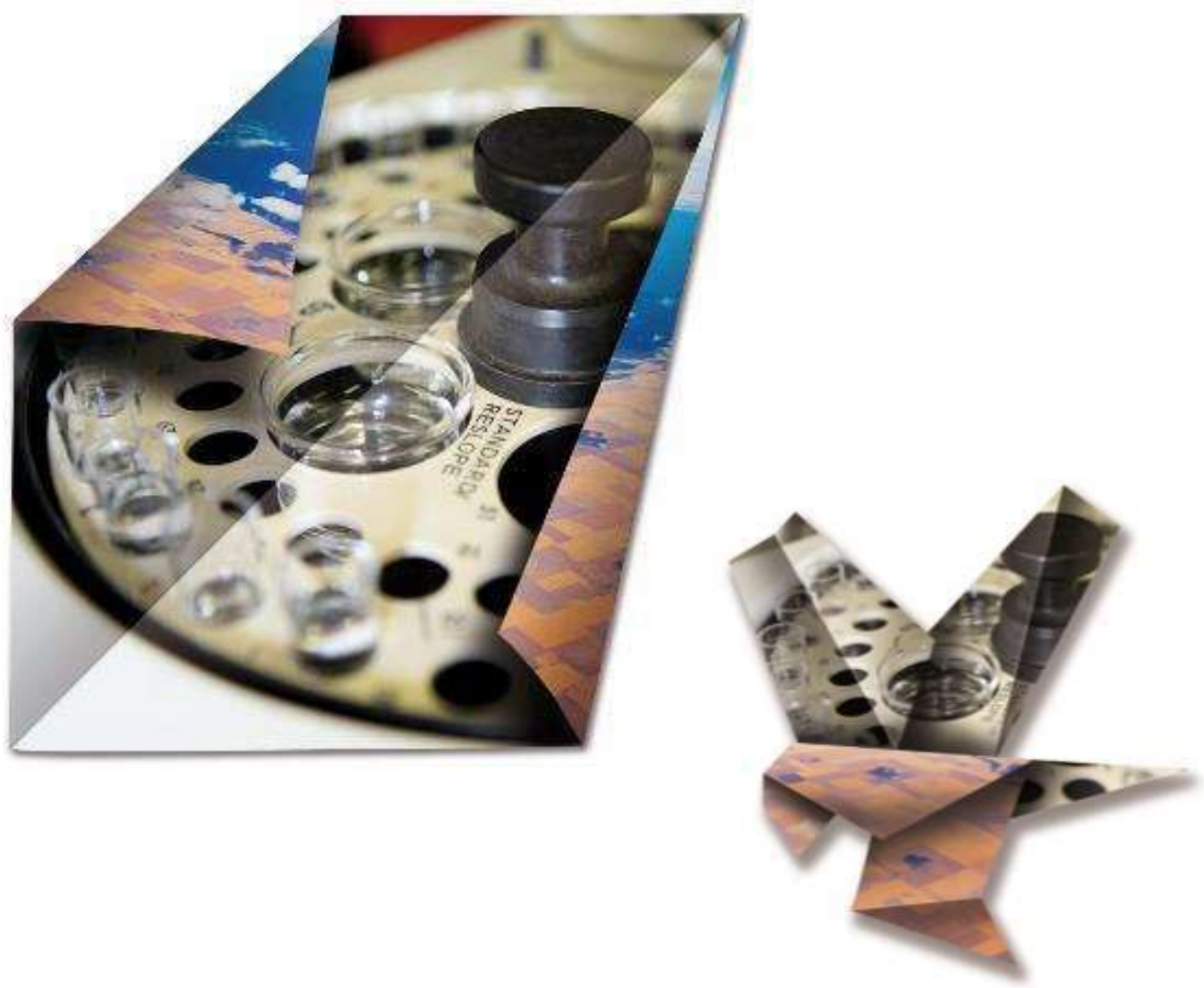

SGS NORTH AMERICA INC.

LABORATORY SERVICES PROPOSAL

Certified Laboratory for PFAS Testing, RFP# 19-14

City of Ann Arbor, Public Services Area

May 8, 2019

May 8, 2019

City of Ann Arbor
301 E. Huron Street
Ann Arbor, MI 48104
c/o Customer Service

Re: RFP# 19-14 – Certified Laboratory for PFAS Testing

Dear Customer Service

SGS North America Inc. (SGS) is pleased to provide the City of Ann Arbor with information outlining our qualifications as requested, for your analytical services program. Our vision is to be the most competitive and productive service organization in the world. Our values are epitomized by our passion, integrity, entrepreneurialism, and innovative spirit as we continually strive to fulfill our vision. Our commitment is to provide our clients with the highest quality laboratory data, in a timely and cost-effective manner making every effort to be responsive to our client's needs and meeting or exceeding their expectations. Many of our senior staff have been with SGS for more than 20 years, providing a high level of technical expertise and experience.

We look forward to a favorable response to our submittal and should you have any questions or require additional information, please feel free to contact me via phone at 508.630.4940 or email geoffrey.pellechia@sgs.com.

Sincerely,

Geoffrey Pellechia
SGS North America Inc.
National Sales Manager

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Professional Qualifications
Part 1

Professional Qualifications, Section 1

SGS proposing using SGS in Orlando for the PFAS analysis of non-potable water, solids, foam and biosolids and the backup laboratory for potable water.

SGS North America Inc.
4405 Vineland Road, C15
Orlando, FL 32811

SGS proposing using SGS in Wilmington for the PFAS analysis of potable water.

SGS North America Inc.
5500 Business Drive
Wilmington, NC 28405

SGS North America Inc. is a corporation incorporated under the laws of the state of Delaware. SGS can perform work in the state of Michigan. Michigan only certifies laboratories for drinking water samples and does not yet require Michigan certification for PFAS analysis.

Professional Qualifications
Part 2

Professional Qualifications, Section 2

SGS proposing using SGS in Orlando for the PFAS analysis of non-potable water, solids and biosolids and the backup laboratory for potable water.

SGS North America Inc., 4405 Vineland Road, C15, Orlando, FL 32811

Norm Farmer	PFAS Program Director	SGS North America
Caitlin Brice	General Manager	SGS Orlando
Andrea Colby	PFAS Project Manager	SGS Orlando
Svetlana Izosimova	QAO	SGS Orlando
Mike Eger	LCMSMS Supervisor	SGS Orlando
Natasha Gumbie	LCMSMS Analyst	SGS Orlando
Nancy Saunders	LCMSMS Analyst	SGS Orlando
Marcos Benitez	Lead Prep Technician	SGC Orlando
Manny Vicens	Prep Technician	SGS Orlando
Maya Foster	Prep Technician	SGS Orlando

SGS proposing using SGS in Wilmington for the PFAS analysis of potable water.

SGS North America Inc., 5500 Business Drive, Wilmington, NC 28405

Greg Dickinson	Technical Director	SGS Wilmington
Brian Schoenwiesner	Operations Manager	SGS Wilmington
Amy Boehm	Project Manager	SGS Wilmington
Tamara Morgan	Project Manager	SGS Wilmington
Jeannie Milholland	Quality Assurance O.	SGS Wilmington
Mark Collare	LCMSMS Analyst	SGS Wilmington
Vine Smith	Lead Prep Technician	SGS Wilmington

Professional Qualifications
Part 2
SGS FL Resumes

PROFESSIONAL SUMMARY

NORM FARMER

GENERAL INFORMATION

Name: Norm Farmer

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: Norman.Farmer@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Mr. Farmer is an environmental scientist and analytical chemist with 26+ years of experience in commercial and research environmental laboratories. He has worked for SGS Accutest; Orlando Laboratories. His experience includes laboratory management, LIMS implementation and support, organics data review and validation, method development and improvement, and laboratory design and expansion. Mr. Farmer has a wide range of organics experience including the analysis of water and soil samples for various organic contaminants including petroleum hydrocarbons, PCBs, pesticides, herbicides, volatiles, semivolatiles, explosives and perfluorinated compounds. His duties include overseeing all aspects of the environmental and Department of Defense (DoD) programs including SOW review, project set up, project and program compliance, project management, quality assurance, and report review.

PROFESSIONAL EXPERIENCE

Dates: 1996 - Current

Name and address of employer: SGS North America Inc.

Occupation or position held: Director of Technical Services, Technical Director, Information Technology Support

Main activities and responsibilities:

As Director of Technical Services, responsibilities include the review and continual improvement of the environmental programs at all seven SGS locations. This includes review of methods, instrumentation purchases and setup, training, method development and implementation. Mr. Farmer provides support for the sales staff with review bids from both a technical and pricing prospective. He provides editorial review for the technical brochures and presentations.

As technical director, responsibilities include SOW review, method development, staff training, instrument installation and maintenance, special applications implementation, and data review. Additional responsibilities include project and program review, setup, and compliance. Mr. Farmer is highly experienced with GC-FID, GC-FPD, GC-ECD, GC-PID, GC-MS, HPLC-DAD, and HPLC-MS-MS instrumentation.

As IT support, responsibilities include providing Laboratory Information Management System (LIMS) support for all facilities, including project and method set up, list maintenance, trouble shooting, and training. He also assists corporate IT department as a local administrator for server and workstation operation, network administration, PC installations, and instrument software installations and setup. Works with corporate IT department to develop and validate applications to support various laboratory requirements.

Dates: 1989 - 1996

Name and address of employer: Accutest Laboratories

Occupation or position held: GC and GC/MS Analyst and Supervisor, Extractions Analyst and Supervisor

Main activities and responsibilities:

As a GC and GC/MS Analyst and Supervisor supervised the day to day operations of GC and Extractions Departments; analyzed GC samples by various 500, 600 and 8000 series methods; analyzed volatile GC/MS samples by 524, 624 and 8240/8260.

As a Extractions Analyst and Supervisor developed and validated various 500, 600 and 8000 series methods.

EDUCATION

Dates: 1987 - 1989

Title awarded: Post Graduate Studies

Name of the courses: Marine and Environmental Chemistry

Name of school/university providing education: Florida Institute of Technology, Melbourne, FL

Title awarded: B.S., 1986

Name of the courses: Chemical Oceanography

Name of school/university providing education: Florida Institute of Technology, Melbourne, FL

Dates: 1982 - 1984

Name of the courses: Biology and Chemistry

Name of school/university providing education: Northwestern Oklahoma State University, Alva, OK

ACHIEVEMENTS

- Started the DoD Program at Accutest Laboratories. Program originated in the Southeast Lab in 1997, and currently includes 4 Accutest facilities throughout the country.
- Developed and validated the Explosives analysis methods at Accutest Laboratories. Worked with EMDQ group for review and implementation of method 8330B under current QSM. Supported Shaw Environmental and US EPA's "Explosives in Benthic Organism study". Study results are being used to develop a method specifically for this matrix.
- Developed and validated the Perfluorinated Compound analysis methods for aqueous and solid matrices at Accutest Laboratories. Worked with Amec Foster Wheeler on various soil extraction protocols.

COMMITTEES

Laboratory Accreditation Bureau (L-A-B) Technical Advisory Group

PUBLICATIONS

Extraction of PFAS from Soil. Joint Poster with Sean Gormley, AMEC Foster Wheeler

PROFESSIONAL SUMMARY

CAITLIN BRICE

GENERAL INFORMATION

Name: Caitlin Brice

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: Caitlin.Brice@sgs.com

PROFESSIONAL EXPERIENCE

Dates: 2016 - Present

Name: SGS North America Inc.

Occupation or position held: General Manager

Main activities and responsibilities:

Management of laboratory departments including, but not limited to the services provided, staffing, budget and financial data, policy and procedure review and development, regulatory compliance, positive customer relations, education/orientation of staff. Promote SGS' image and service listings in a way which will further the company's objectives. Manage laboratory resources to meet given objectives, with focus on budgets, client expectations and satisfaction, and regulatory compliance.

Dates: 2015 - 2016

Name and address of employer: SGS Accutest

Occupation or position held: Quality Assurance Officer

Main activities and responsibilities:

Manage the quality system of the laboratory for conformance to NELAC, DOD, DOE, ISO, UTC, and EPA requirements, client specific objectives, and improvement of analytical chemistry performance.

Dates: 2010 - 2012

Name and address of employer: Florida Spectrum Environmental Services Inc.

Occupation or position held: Analytical Chemist and Microbiologist

Main activities and responsibilities:

Analyzed samples and produced high quality data; experienced with EPA methods in inorganics, organics, extractions and microbiology in solid, water and chemical matrices. Developed proficiency with use and repair of Instrumentation such as GC/MS, HPLC, IC, Flow Analyzers, Discrete Analyzers, Block Digesters, Distillation Units and Incubators.

EDUCATION

Title awarded: M.S. Marine Biology, 2014

Name of school/university providing education: Nova Southeastern University

Title awarded: B.A. in Chemistry and Biology, 2012

Name of school/university providing education: Drury University

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Proficient with Agilent ChemStation®, and Laboratory Internal Management Systems (LIMS Databases), Microsoft ® Office programs, Adobe, JMP®, ArcGIS®, Distance®, Humviewer®, and others; Superior organization and communication; management of multiple teams effectively toward a common goal; Rapid learning and adaptability; intermediate Spanish reading, writing and conversational skills; Certified PADI open water diver; Trained protected species observer (PSO).

MEMBERSHIPS

Membership of professional organizations:

The NELAC Institute (TNI)

Florida Society of Environmental Analysts (FSEA)

American Chemical Society

The Marine Mammal Center - Trained Volunteer

Marine Animal Rescue Society (MARS) - Trained Volunteer

The Sociey of Marine Mammalogy

PROFESSIONAL SUMMARY

SVETLANA IZOSIMOVA

GENERAL INFORMATION

Name: Svetlana Izosimova

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Rd, Orlando, FL, 32811

Phone number: 407-425-6700

E-mail: Svetlana.Izosimova@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Ms. Izosimova is currently the Quality Assurance Officer for the SGS (Orlando). She is responsible for implementing the Corporate Quality Assurance Program in the SGS (Orlando). Ms. Izosimova has 25 years of experience in environmental analytical chemistry, organic and inorganic testing instrumentation, and industrial hygiene. Ms. Izosimova has served as a QA Officer for projects performed under U.S. Department of Defense.

PROFESSIONAL EXPERIENCE

Dates: 2001 - present

Name: SGS North America Inc.

Occupation or position held: Quality Assurance Manger

Dates: 2000 - 2001

Name and address of employer: STL Tampa East

Occupation or position held: MS/Semivolatiles Section Leader

Dates: 1999 - 2000

Name and address of employer: PBS&J Analytical Services Orlando

Occupation or position held: Quality Assurance Manager

Dates: 1991 - 1998

Name and address of employer: PBS&J Analytical Services Orlando

Occupation or position held: GC/MS Analyst

Dates: 1987 - 1991

Name and address of employer: Leningrad Institute of Pulp and Paper Industry, Russia

Occupation or position held: Junior Grade Researcher

EDUCATION

Title awarded: Ph.D Colloid Chemistry, 1991

Name of school/university providing education: Leningrad Institute of Pulp and Paper Industry, Russia

Title awarded: B.S./M.S Chemical Engineering, 1987

Name of school/university providing education: Leningrad Institute of Pulp and Paper Industry, Russia

PROFESSIONAL SUMMARY

ANDREA COLBY

GENERAL INFORMATION

Name: Andrea Colby

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 609-495-5321

E-mail: Andrea.Colby@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

With over twenty years of project management experience in environmental laboratories, Ms. Colby possesses extensive experience as both an analyst and project manager within the industry. As a Project Manager at SGS, her responsibilities include providing individual assistance to our clients in the areas of project planning and development, project scheduling, and data discernment.

Ms. Colby also maintains communication with laboratory supervisors and analysts, and acts as a liaison between the client and the analytical team to ensure that program objectives are met. As a former analyst, Ms. Colby's previous laboratory experience enables her to better consult and respond to our client's questions regarding methodology, turnaround, as well as specific analytical requirements.

PROFESSIONAL EXPERIENCE

Dates: 2010 - Present

Name and address of employer: SGS North America Inc.

Occupation or position held: Project Manager

Dates: 1995 - 2009

Name: Katahdin Analytical

Occupation or position held: Project Manager

Dates: 1987 - 1995

Name: Katahdin Analytical

Occupation or position held: Lab Analyst

EDUCATION

Title awarded: B.A., Biology, 1987

Name of school/university providing education: University of California

PROFESSIONAL SUMMARY

MICHAEL EGER

GENERAL INFORMATION

Name: Michael Eger

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: Michael.Eger@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Mr. Eger has over 18 years environmental laboratory experience. He worked on BIOTA analysis soil, water and oils. He is versed in EPA and DoD QSM requirements, analytical data review and validation, method development and research.

Mr. Eger is proficient with multiple instrumentation including GC, GC/MS, HPLC and HPLC/MS/MS. He has over 12 years in Supervisory roles.

PROFESSIONAL EXPERIENCE

Dates: 2000 - Current

Name and address of employer: SGS

Occupation or position held: Semivolatiles Supervisor

Main activities and responsibilities:

Organize and monitor a 12 person department to ensure all data quality objectives are met. Developed and maintained new methodologies. Reviewed all data packages before final release.

Dates: 1995 - 2000

Name: PBSJ Laboratories

Occupation or position held: Biota Prep Technician and Extractions Supervisor, HPLC Analyst

Main activities and responsibilities:

Overseeing the day to day operation of the Extractions department and analyzing explosives and drinking waters by HPLC

EDUCATION

Dates: 1989 - 1992

Title awarded: NA

Name of school/university providing education: Arizona State University

Title awarded: BS; Molecular and Microbiology, 1995

Name of school/university providing education: University of Central Florida

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Word, Excel, Powerpoint

PROFESSIONAL SUMMARY
NANCY FILLAULT

GENERAL INFORMATION

Name: Nancy Fillault

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: nancy.fillault@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Ms. Filiault has over eleven years of experience operating, maintaining, and troubleshooting equipment for environmental analysis of ground water, drinking water, and hazardous waste using various EPA methods.

Ms. Filiault's experience as an organic analyst has included running EPA methods 500, 600 and 8000 series, both volatile and semivolatile applications. Ms. Filiault is currently a semivolatile GC/MS analyst at SGS north America Inc. Orlando Lab.

Ms. Filiault's experience as an inorganics analyst includes analyzing wastewater and environmental samples for wet chemistry parameters including TSS, BOD, TOC, chlorophyll, chloride, sulfate, cyanide, and oil and grease. Ms. Filiault has also performed nutrient analyses using Auto-Analyzers and Ion Chromatographs.

PROFESSIONAL EXPERIENCE

Dates: 2000 - Present

Name and address of employer: SGS North America Inc.

Occupation or position held: Organics Analyst

Dates: 1997 - 2000

Name: Test America

Occupation or position held: Inorganics Analyst

Dates: 1996 - 1997

Name: Orlando Laboratories, Inc.

Occupation or position held: Project Manager

Dates: 1994 - 1996

Name: Orlando Laboratories, Inc.

Occupation or position held: GC Analyst

Dates: 1989 - 1994

Name: Breedlove, Dennis and Associates

Occupation or position held: Inorganics Analyst

EDUCATION

Title awarded: AA, Chemistry

Name of school/university providing education: Valencia Community College

Title awarded: Baccalaureate Studies Chemistry

Name of school/university providing education: University of Central Florida

PROFESSIONAL SUMMARY

MANUEL A. VICENS

GENERAL INFORMATION

Name: Manuel A. Vicens

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: manuel.vicens@sgs.com

PROFESSIONAL EXPERIENCE

Dates: 2005 - Present

Name and address of employer: SGS North America Inc.

Occupation or position held: Organic Extraction Team Lead

Main activities and responsibilities:

Team lead responsibilities include to monitor solvent lot inventory on a weekly basis, schedule prep batches in LIMs in a timely manner, ensure all samples are prepped within hold time to meet turnaround time, ensure urgent samples are prioritized, learn all extractions methodologies, schedule team member cross training, and track re-extracted samples. Assist with extractions of organic compounds of interest from the matrix into an appropriate solvent for analyses on LC/MS/MS, HPLC, GC, or GC/MS using environmental testing methodologies documented in SOPs. Performs microwave, sonication, separatory funnel or other advanced extraction procedures. Upholds all team members to Standard Operating Procedures and proper safety methods.

Dates: 2003 - 2005

Name: Environmental Conservation Laboratory

Occupation or position held: Organic Prep Supervisor

Main activities and responsibilities:

Duties include preparation of samples, standards and reagents in support of the semi volatile organics, ordering of supplies and scheduling of daily duties of four or more employees while an active participant in the preparation processes. Training of new hires and transitioning team members. Upholds all team members to Standard Operating Procedures and proper safety methods.

Dates: 2001 - 2002

Name: Sikorsky Aircraft

Occupation or position held: Aircraft Mechanic

Main activities and responsibilities:

General helicopter assembly of Black Hawks, Sea Hawks. General assembly skill set include drilling, composite trimming, metal trimming, wire routing, installation of safety wire, riveting, deburring, reaming, mixing, crimping, and torque specifications based on mechanical assembly instructions.

PROFESSIONAL SUMMARY

MAYA FOSTER

GENERAL INFORMATION

Name: Maya Foster

Affiliate: SGS North America Inc.

Company address: 4405 Vineland Road, Orlando, FL 32811

Phone number: 407-425-6700

E-mail: maya.foster@sgs.com

PROFESSIONAL EXPERIENCE

Dates: 2018 - Present

Name and address of employer: SGS North America Inc.

Occupation or position held: Organic Analyst

EDUCATION

Title awarded: B.S., 2014

Name of school/university providing education: University of South Florida

Professional Qualifications
Part 2
SGS NC Resumes

PROFESSIONAL SUMMARY
BRIAN SCHOENWIESNER

GENERAL INFORMATION

Name: Brian Schoenwiesner

Affiliate: SGS North America, Inc.
Environment, Health and Safety

Company address: 5500 Business Drive, Wilmington, NC 28405, USA

Phone number: 910-350-1903

Fax number: 910-350-1557

E-mail: Brian.Schoenwiesner@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Over 18 years of experience in science related fields including biology and chemistry. Majority of career has been spent within the environmental field with multiple years experience in each for trace and ultratrace volatile and semi-volatile analyses.

PROFESSIONAL EXPERIENCE

Dates: February 2017 - Present

Name and address of employer: SGS North America, Inc. - Wilmington, NC 28405

Occupation or position held: Laboratory Manager

Main activities and responsibilities:

To direct, plan, organize and motivate laboratory staff in the performance of their responsibilities and functions. To be accountable for, and ensure that the facilities meets corporate and local targets and customer expectations with regards to finances and operations in a timely and effective manner while observing corporate quality, environmental, Health & Safety requirements.

Dates: February 2013 – February 2017

Name and address of employer: SGS North America, Inc.; 5500 Business Dr., Wilmington, NC 28405, USA

Occupation or position held: Volatiles, Semi-Volatiles and Inorganics Laboratory Manager

Main activities and responsibilities:

In conjunction with programs and standards set up by the Operations Manager, is responsible for the operational activity of the laboratory. To optimize utilization of the laboratory and capacity to ensure quality according to client's requirements and compliance with our QA, health and safety, company policy, ethic and integrity programs

Dates: August 2001 – January 2013

Name and address of employer: SGS North America; 5500 Business Dr., Wilmington, NC 28405, USA

Occupation or position held: GCMS Analyst

Main activities and responsibilities:

Responsible for data analysis and reporting of VOC's by GCMS by EPA methods 8260B, 6200B and 624. Backup GC/FID and GC/ECD analyst for semi-volatile analyses including but not limited to TPH, 8082, 8081, 8151. Backup prep analyst for HRMS ultra-trace lab.

Dates: September 1999 - June 2001

Name and address of employer: State of North Carolina Division of Marine Fisheries

Occupation or position held: Marine Technician II

Main activities and responsibilities:

Responsible for field data collection and equipment maintenance for several ongoing monitoring studies.

EDUCATION

Dates: 1999

Title awarded: Bachelor of Arts

Name of the courses: Natural Resource Rec. Management

Name of school/university providing education: University of North Carolina at Wilmington, Wilmington, NC, USA

TRAINING & QUALIFICATION

Dates: August 1, 2011

Title of qualification awarded: Radioactive Materials License / Radiation Safety Officer

Principal subjects covered: Authorized to receive, acquire, own, possess, transfer and import any radioactive materials with atomic numbers 1 to 103 except in gas form to be used for analysis as provided by clients in environmental samples with a total possession limit not to exceed 100 microcuries.

Name and type of organization providing training: NC Department of Environment and Natural Resources

Dates: August 10, 2004

Title of qualification awarded: Hazardous/Toxic Waste Management

Principal subjects covered: Trained on the applicable regulations of the United States Environmental protection Agency and guidelines, standards and procedures for safe and legal management of waste designated as hazardous.

Name and type of organization providing training: Lion Technology Inc.

LANGUAGES

Mother tongue(s): English

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Microsoft Office Suite, Horizon LIMS

PROFESSIONAL SUMMARY

JEANNIE MILHOLLAND

GENERAL INFORMATION

Name: Jeannie Milholland

Affiliate: SGS North America Inc.

Company address: 5500 Business Drive Wilmington, NC 28405

Phone number: 910-667-0134

Fax number: 910-350-1557

E-mail: jeannie.milholland@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Responsible for maintaining quality assurance/quality control for the laboratory in accordance with State and client established requirements and deadlines. Coordinate external audits by regulatory and commercial lab auditors to maintain certifications. Perform internal audits to ensure compliance with company standard operating procedures. Manage the performance evaluation (PE) program, including single blind, double blind, and state required PE samples to maintain certification. Responsible for auditing new employee training and initial demonstration of capabilities, auditing and maintenance of employee training records, responsible for annual review and updates to QA/QC manual and all standard operating procedures. Responsible for data validation of 10% of all level 4 work received.

Have worked in the Environmental Industry since 1989 as inorganic analyst, Log-in technician, Field Services Supervisor, LIMS data base administrator, Project Manager, QA officer and Safety Director.

PROFESSIONAL EXPERIENCE

Dates: 2012 - Present

Name and address of employer: SGS North America, Inc. Wilmington, NC

Occupation or position held: QA / Health and Safety Manager

Main activities and responsibilities:

Responsible for maintaining safety policies and quality assurance/quality control for the laboratory in accordance with State, Federal and client established requirements and deadlines. Coordinate external audits by regulatory and commercial lab auditors to maintain certifications and standards. Oversee the performance of internal audits to ensure compliance with company standard operating procedures for safety and lab analyses. Manage the performance evaluation (PE) program, including single blind, double blind, and state required PE samples to maintain certification. Responsible for auditing new employee safety training, method training and initial demonstration of capabilities, auditing and maintenance of employee training records, responsible for annual review and updates to QA/QC manual, safety documents and all standard operating procedures. Responsible for data validation of 10% of all level 4 work received.

Dates: 2009 - 2012

Name and address of employer: SGS North America, Inc. - Wilmington

Occupation or position held: Quality Assurance Officer

Main activities and responsibilities:

Responsible for maintaining quality assurance/quality control for the laboratory in accordance with State and client established requirements and deadlines. Coordinated external audits by regulatory and commercial lab auditors to maintain certifications. Performed internal audits to ensure compliance with company standard operating procedures. Managed the performance evaluation (PE) program, including single blind, double blind, and state required PE samples to maintain certification. Responsible for auditing new employee training and initial demonstration of capabilities, auditing and maintenance of employee training records, responsible for annual review and updates to QA/QC manual and all standard operating procedures.

Dates: 2006 - 2009

Name and address of employer: SGS North America, Inc. - Wilmington, NC

Occupation or position held: Corporate Quality Assurance

Main activities and responsibilities:

Creating and maintaining corporate QA website. Establish and maintain corporate SOQ. Create and maintain a corporate quality system to provide consistent quality data across the business. Implementing corporate training program for new employees and ongoing training for current employees for both integrity and analytical procedures. Monitor and review PT studies, audit reports, corrective actions, SOPS and other QA integral data for the labs. Implement an intra-lab PT study program.

Dates: 2001 - 2006

Name and address of employer: SGS North America Inc. - Charleston, WV

Occupation or position held: QA Manager

Main activities and responsibilities:

Responsible for maintaining quality assurance/quality control for the laboratory in accordance with State and client established requirements and deadlines. Coordinated external audits by regulatory and commercial lab auditors to maintain certifications. Performed internal audits to ensure compliance with company standard operating procedures. Managed the performance evaluation (PE) program, including single blind, double blind, and state required PE samples to maintain certification. Responsible for auditing new employee training and initial demonstration of capabilities, auditing and maintenance of employee training records, responsible for annual review and updates to QA/QC manual and all standard operating procedures.

EDUCATION

Title awarded: B.S., Biology

Name of school/university providing education: Marshall University

TRAINING & QUALIFICATION

Dates: October 5, 2012

Title of qualification awarded: Certificate of Completion

Principal subjects covered: Internal Audits and Management Review

Name and type of organization providing training: The NELAC Institute

Dates: June 12, 2009

Title of qualification awarded: Record of Achievement

Principal subjects covered: Internal Auditor Training

Name and type of organization providing training: SAI Global

Dates:	October 14-15, 2008
Title of qualification awarded:	Certificate
Principal subjects covered:	Maximizing Efficiency and Efficacy in the Global Analytical Laboratory

MEMBERSHIPS

Membership of professional organizations: The NELAC Institute

PROFESSIONAL SUMMARY
TAMARA MORGAN

GENERAL INFORMATION

Name: Tamara Morgan

Affiliate: SGS North America, Inc

Environment, Health and Safety

Company address: 5500 Business Drive, Wilmington, NC 28405, USA

Phone number: 910-350-1903

Fax number: 910-350-1557

E-mail: Tamara.Morgan@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Eighteen years in the Environmental industry. Primary focus on HRGC/HRMS of Dioxins/Furans and PCB congeners.

Description of main professional experience: Lab Technician, Lab Supervisor, Data Validation, Project Manager

PROFESSIONAL EXPERIENCE

Dates: July 2016-present

Name and address of employer: SGS North America, Inc., 5500 Business Drive, Wilmington, NC 28405, USA

Occupation or position held: Senior Project Manager

Main activities and responsibilities:

Responsible for client interface and project set-up and management from receipt of samples through reporting, with focus on HRMS data

Dates: February 2013-July 2016

Name and address of employer: Laboratory Data Consultants, 2701 Loker Ave W, #220, Carlsbad, CA 92010, USA

Occupation or position held: Data Validation Chemist

Main activities and responsibilities:

Responsible for ensuring reported data meet project/method/QAPP/DoD requirements as specified by client. Primary focus on Organic Analyses

Dates: January 2009-December 2012

Name and address of employer: SGS North America, Inc., 5500 Business Drive, Wilmington, NC 28405, USA

Occupation or position held: HRGC/HRMS Data Validation

Main activities and responsibilities:

Responsible for ensuring reported data meet requirements as specified by Method and/or Client.

Dates: February 2001-January 2009

Name and address of employer: Analytical Perspectives, LLC, 2714 Exchange Drive, Wilmington, NC 28405, USA

Occupation or position held: Lab Technician, Lab Supervisor, Data Validation, Project Manager

Main activities and responsibilities:

Multiple aspects of the company from Login, sample preparation, data validation and project management. Ensure samples were prepped properly according to Method or client specifications. Validation of results to ensure results meet Method/client specifications. Responsible for client interface and project set-up and management from receipt of samples through reporting.

EDUCATION

Dates: 2000

Title awarded: Bachelor of Science

Name of the courses: Chemistry and Marine Biology

Name of school/university providing education: University of North Carolina Wilmington, Wilmington, NC, USA

Dates: 1991

Title awarded: Bachelor of Arts

Name of the courses: Liberal Arts

Name of school/university providing education: Iowa State University, Ames, IA, USA

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Microsoft Office Suite & APLIMS

PROFESSIONAL SUMMARY

AMY J. BOEHM

GENERAL INFORMATION

Name: Amy J. Boehm

Affiliate: SGS North America, Inc.

Company address: 5500 Business Drive, Wilmington, NC 28405, USA

Phone number: 910-350-1903

Fax number: 910-350-1557

E-mail: Amy.Boehm@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Twenty plus years of experience in program and project management with specific focus on HRMS and stationary source work.

PROFESSIONAL EXPERIENCE

Dates: March 2010 - Present

Name and address of employer: SGS North America, Inc., 5500 Business Drive, Wilmington, NC 28405, USA

Occupation or position held: Senior Project Manager

Main activities and responsibilities:

Responsible for client interface and project set-up and management from receipt of samples through reporting, ensuring that project/method/QAPP specific requirements are met. Technical support for the client and laboratory with focus on HRMS data.

Dates: March 2008 - March 2010

Name and address of employer: Keika Ventures

Occupation or position held: Product Manager

Main activities and responsibilities:

Responsible for client interface and procuring laboratory equipment and supplies. Technical support for analytical reporting and results.

Dates: October 2003 – March 2008

Name and address of employer: Analytical Perspectives/Alta

Occupation or position held: Project Manager

Main activities and responsibilities:

Responsible for client services, project management, data review, technical support for the HRMS analytical laboratory.

Dates: June 1999 – October 2003
Name and address of employer: STL/Quanterra Laboratories
Type of business or sector: Environmental
Occupation or position held: Account Executive
Main activities and responsibilities:

Responsible for business development and program management of STL/Quanterra's point source testing accounts.

Dates: June 1991 – June 1999
Name and address of employer: Triangle Laboratories
Type of business or sector: Environmental
Occupation or position held: Reporting Services/Project Manager
Main activities and responsibilities:

Responsible for client services, project management, data review, technical support for the laboratory. Management of the reporting services group.

EDUCATION

Dates: 1990
Title awarded: Bachelor of Arts
Name of the courses: Biology
Name of school/university providing education: University of North Carolina at Chapel Hill, Chapel Hill, NC

LANGUAGES

Mother tongue(s): English

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Microsoft Office Suite & APLIMS

MEMBERSHIPS

Membership of professional organizations:

- Source Evaluation Society (SES)
- Carolinas Air Pollution Control Association (CAPCA)

PROFESSIONAL SUMMARY
GREG DICKINSON

GENERAL INFORMATION

Name:	Greg Dickinson
Affiliate:	SGS North America Inc.
Company address:	5500 Business Drive Wilmington, NC 28405
Phone number:	910-350-1903
Fax number:	910-350-1557
E-mail:	greg.dickinson@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Environmental chemist with emphasis in analytical instrumentation setup and maintenance. Electronic engineer with emphasis in digital design, systems control and systems programming. Safety officer. Facilities manager. Waste disposal coordinator. Analyst.

PROFESSIONAL EXPERIENCE

Dates: 2016 - Present

Name and address of employer: SGS North America Inc - Environment, Health and Safety

Occupation or position held: Technical Director

Main activities and responsibilities:

Responsible for the technical operations of the laboratory including working closely with the QA/QC department to meet performance objectives. Provide assistance in training new employees. Responsible for the care and maintenance of the IT infrastructure at this location.

Dates: 2012 – 2016

Name and address of employer: SGS North America Inc - Environment, Health and Safety

Occupation or position held: Systems Manager

Main activities and responsibilities:

Evaluate and design new systems to monitor processes in the lab and to relay information to a DBS system to help improve efficiency of lab procedures and operations.

Dates: 2008 - 2012

Name and address of employer: SGS Environmental Services

Occupation or position held: Technical Director

Main activities and responsibilities:

Responsible for the technical operations of the laboratory including working closely with the QA/QC department to meet performance objectives. Training new employees. Responsible for the care and maintenance of the IT infrastructure at this location.

Dates: 2005 - 2008

Name and address of employer: SGS Environmental Services

Occupation or position held: QA Manager

Main activities and responsibilities:

Responsible for developing and maintaining the Quality Assurance program at the laboratory.

EDUCATION

Title awarded: B.S. Biology

Name of school/university providing education: VPI & SU

Title awarded: AAS Electrical Engineering

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Python, Perl, PHP, C/C++, Excel & VBA, Mysql SQL, General SQL

PROFESSIONAL SUMMARY

MARK COLLARE

GENERAL INFORMATION

Name: Mark Collare

Affiliate: SGS North American Inc. –Environmental Services

Company address: 5500 Business Dr, Wilmington, NC 28405

Phone number: 910-350-1903

Fax number: 910-350-1557

E-mail: Mark.Collare@sgs.com

STATEMENT OF EXPERIENCE

Description of professional qualification/experience:

Responsible for creating buffers and media for the growth, and purification of the toxins TcdA and TcdB from the bacterium clostridium difficile in order to turn the toxins to toxoids for vaccine utilization in compliance with the FDA. Preformed extractions, purifications, and transfers of various matrices for the quantification of carcinogenic compounds in a trace and ultra-trace laboratory maintaining EPA standards. Utilized a triple axis quadruple GCMS for the analysis of ISO 9377-2 to measure the hydrocarbon oil index of water samples. Operating a LCMSMS for the quantification of PFAS.

Have worked in the chemical industry since 2014 as a vaccine development technician, trace preparation chemist, ultra-trace purification chemist, GCMS analyst, HRGCMS analyst, LCMSMS analyst.

PROFESSIONAL EXPERIENCE

Dates: February 2019 - Present

Name and address of employer: SGS North America, 5500 Business Dr, Wilmington, NC 28405

Occupation or position held: LCMSMS analyst

Main activities and responsibilities:

Currently running a TQ-S tandem MS instrument analyzing Per- and Polyfluoroalkyl Substances (PFAS) through EPA method 537, 537.1, and uncertified Gen X while performing method development for an isotope dilution method for DoD. In addition to running the instrument I am responsible for all maintenance, the receipt and proper inventory of all standards, solvents, and spare parts for the department while performing extraction R&D while ensuring lab is meeting all expectations of the EPA.

Dates: October 2017- February 2019

Name and address of employer: SGS North America, 5500 Business Dr, Wilmington, NC 28405

Occupation or position held: GCMS analyst

Main activities and responsibilities:

Utilized a triple axis quadrupole GC-MS for the last 2 years running ISO 9377-2 to measure the hydrocarbon oil index of water samples. In doing so all hydrocarbons from decane (C10H24) to tetracontane (C40H¬82¬) in a sample were quantitated and compared to fingerprints of fuel and oil patterns to assist in the identification of unknown hydrocarbons. In addition to running the instrument I am responsible for all maintenance to the instrument to include manual tuning, receipt and proper inventory of all standards, solvents, and spare parts for the department.

Dates: April 2016 - October 2017

Name and address of employer: SGS North America, 5500 Business Dr, Wilmington, NC 28405

Type of business or sector: Environmental

Occupation or position held: Trace, Ultra-trace prep chemist

Main activities and responsibilities:

While working in the preparation lab my job focus is in purification where I perform organic solvent based chromatography techniques based on EPA methodologies and SGS SOP (ex: Acid/Base/Florisil, Carbon, Polycyclic Aromatic Hydrocarbons columns, Gel permeation chromatography) for the purification of dioxin/furans, polychlorinated biphenyls (PCB), polyaromatic hydrocarbons (PAH), and pesticides. Document, prepare, label, and distribute media per SGS SOP for the purpose of separating organic compounds of interest. Keep supply inventory, discard expired supplies and media ordering supplies when necessary. Cleaning and maintenance of laboratory and equipment as directed. Assist with extractions, and manage projects as the point of contact for lab operations when manager is absent.

Dates: 2014 - November 2015

Name and address of employer: Sanofi Pasteur through Manpower, 2959 PA-611 #102, Tannersville, PA 18372

Type of business or sector: Pharmaceutical

Occupation or position held: Vaccine development laboratory 2 technician

Main activities and responsibilities:

As a team member of VDL2 in solution prep working on the clostridium difficile vaccine using my understanding of how buffers and solutions interact to assist with process validation. I utilized fixed tanks from 400L to 1000L and mix stations from 50L to 1000L using disposable bags and transfer lines to move the solutions. Trained in SAP to cost raw materials/inventory and transfers to bin. Effectively filled out all logbooks and BPR’s as the actions were preformed to ensure accurate inventory such as running the HMI’s, Analytical measurements of pH and conductivity, and dispatching of the solutions.

Dates: 2004 - 2012

Name and address of employer: United States Marine Corps, Camp Lejeune NC

Type of business or sector: Defense/Leadership

Occupation or position held: Section Leader

Main activities and responsibilities:

Responsible for the training of subordinates in their basic military skills and their respective military occupational specialties. In the Marine Corps jobs are divided into occupational fields. Each field has various military occupational specialties. For instance, the infantry occupational field has 10 occupational specialties, such as rifleman, mortarman and machine gunner. Sergeants are responsible for assisting fellow marines with their personal and professional development by ensuring they have the training and resources they need directly accountable for the actions of the members of their squad. Therefore, Responsible for supervising and controlling subordinates. Ensure the unit's facilities meet Marine Corps standards and are properly maintained. Sergeants are also accountable for the serviceability, condition and loss of their unit's equipment. They are also in charge of enforcing the rules, policies and standards of physical appearance of the Marine Corps. As the highest ranking noncommissioned officers, sergeants are the backbone of the Marine Corps. They are the main link between each marine and the organization's leadership, and they are responsible for implementing the policies and orders given by officers. This requires sergeants to manage the day-to-day activities of marines within the boundaries of the policies set by their superior officers. While officers are in charge of deciding

what needs to be done, it is usually up to sergeants to determine how it must be done. Sergeants respond directly to their commanding officer for the performance of their marines, and must therefore ensure the members of their unit are properly motivated to perform their tasks to the best of their ability. This requires them to fulfill a dual role as disciplinarian and motivator, much like a coach in an athletic team. They do this by encouraging and correcting wayward marines, while commending those who fulfill their work satisfactorily. Accomplishments -Honored with two Navy and Marine Corps Achievement Medals for going above and beyond the call of duty. (2008/2010), -Two Good Conduct Medals (2007/2010).

EDUCATION

Dates:	2012-2015
Title awarded:	B.S. of Biochemistry
Name of the courses:	Biology, Chemistry, Analytical Chemistry, Anatomy & Physiology, Physics, Organic Chemistry, Calculus, Biochemistry, Animal Physiology, Cell Biology, Physical Biochemistry, Protein Chemistry, Microbiology, Chemistry Literature and Doctrine,

Name of school/university providing education: East Stroudsburg University

TRAINING & QUALIFICATION

Dates:	June 7, 2017
Title of qualification awarded:	Heartsaver First Aid, CPR, AED
Principal subjects covered:	First aid, CPR, AED

Name and type of organization providing training: Cintas First Aid & Safety

LANGUAGES

Mother tongue(s): English

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Microsoft Office, Horizon LIMS, TargetLynx, Maestro.

MEMBERSHIPS

Membership of professional organizations: N/A

OTHER SKILLS AND COMPETENCES

N/A

PROFESSIONAL SUMMARY

VINE SMITH

GENERAL INFORMATION

Name:	Vine Smith
Affiliate:	SGS Environmental Services
Company address:	5500 Business Drive, Wilmington, NC 28405, USA
Phone number:	910-794-1613
Fax number:	910-794-3919
E-mail:	Vine.Smith@sgs.com

STATEMENT OF EXPERIENCE

Description of main professional qualification/experience:

Seven years' experience as analytical chemist in an environmental laboratory.

PROFESSIONAL EXPERIENCE

Dates: 2012 - Present

Name and address of employer: SGS North America Inc. - Wilmington, NC 28405

Occupation or position held: Chemist

Main activities and responsibilities:

Extraction, concentration, clean-up and final preparation of air, water, soil, tissue and serum samples for trace and ultra-trace analysis according to various EPA methods, including 23, 0023A, 537, 1613, 1668A, 8015, 8081, 8082, 8151 and 8290. Analysis of trace and ultra-trace extracts via GC and LC/MS under EPA methods including 537, 8015, 8081, 8082 and 8151.

Dates: September 2011 – March 2012

Name and address of employer: Analytical Perspectives (through Youngblood Staffing)

Occupation or position held: Laboratory Technician

Main activities and responsibilities:

Washing and furnace decontamination of laboratory glassware for trace analysis; preparation of air traps for environmental sampling; stocking common solvents and storage of hazardous waste.

Dates: December 2008 – October 2011

Name and address of employer: Liberty Medical Specialties, Inc., 2224 S. 17th St., Wilmington, NC 28401

Occupation or position held: Delivery Driver

Main activities and responsibilities:

Delivery of nursing home and home health care supplies to Greenville, NC and Swan Quarter, NC facilities.

EDUCATION

Dates: January 2009 – May 2011
Title awarded: Associate in Applied Science
Name of the courses: Chemical Technology
Name of school/university providing education: Cape Fear Community College

Dates: September 1979 – June 1981
Name of the courses: Liberal Arts
Name of school/university providing education: University of Minnesota

TRAINING & QUALIFICATION

Dates: June 2012
Title of qualification awarded: GLP Certification
Principal subjects covered: Good Laboratory Practices
Name and type of organization providing training: Peak Quality Consulting / Laboratory Consultants

Dates: August 2012
Title of qualification awarded: Certificate of completion
Principal subjects covered: Ethics
Name and type of organization providing training: Brainshark / Corporate Training

Dates: January 2013
Title of qualification awarded: Certificate of completion
Principal subjects covered: SGS Rules for Life
Name and type of organization providing training: Brainshark / Corporate Training

LANGUAGES

Mother tongue(s): English

Other language(s)	Listening	Reading	Spoken interaction	Spoken production	Writing
French	C	C	C	C	C

A: Excellent, B: Very good, C: Good, D: Basic knowledge

COMPUTER SKILLS AND COMPETENCES

Software knowledge: Microsoft Office, Microsoft FORTRAN

OTHER SKILLS AND COMPETENCES

Development and maintenance of group health, life, LTD and other employee welfare benefit insurance plans (13 years' experience)

Professional Qualifications
Part 3

Professional Qualifications, Section 3

SGS History:
Established in 1878, SGS is the world's leading inspection, verification, testing and certification company with more than 95,000 employees and a network of more than 2400 offices and laboratories around the world. SGS North America Inc includes a network of environmental laboratories that have successfully delivered defensible data for more than 60 years. Our vision is to be the most competitive and productive service organization in the world. Our values are epitomized by our passion, integrity, entrepreneurialism, and innovative spirit as we continually strive to fulfill our vision. Our commitment is to provide our clients with t h e highest quality laboratory data, in a timely and cost-effective manner with services responsive to our client's needs and expectations. Many of our senior staff have been with SGS for more than 20 years, providing a high level of technical expertise and experience.

SGS - Orlando, Inc. is a testing laboratory founded in 1956 and registered as a New Jersey Corporation. In 2016 the laboratory has changed ownership to SGS - Orlando Inc, while operations, staff and physical locations were not affected by the change, and fully transitioned into SGS North America, Inc. as of January 2018. SGS NAM headquarters are located in Rutherford, New Jersey. Satellite laboratories are maintained in Dayton, New Jersey; Syracuse, New York; Wilmington, North Carolina; Anchorage, Alaska; Orlando, Florida; Denver, Colorado; Lafayette, Louisiana; and Houston, Texas. The extensive network of laboratories within SGS offers wide variety of routine and specialty
environmental analyses outlined under Areas of Technical Expertise.

SGS Details and Services:
Laboratory Information Management System (LIMS)
The Laboratory Information Management System (LIMS) is the most critical and central tool in the operation of the laboratory. The LIMS is one of the most powerful and sophisticated tools in the industry today. The LIMS at each location resides on an independent server sized to ensure highly efficient performance for internal users and online clients simultaneously. The LIMS is based on a state-of-the-art Oracle relational database that has been specifically designed to handle the complex issues faced by environmental laboratories. The LIMS automates virtually every phase of laboratory operations, including sample receipt/login, sample scheduling and tracking, data acquisition, calculations, quality control (QC), final reports, electronic deliverables, and invoicing. As a result, it allows SGS to deliver the most accurate and consistent product in the industry.

Electronic Data Deliverables
One of the most significant trends in this industry is the increased dependence on Electronic Data Deliverables (EDDs). EDDs that are produced or modified manually cannot be relied upon for accuracy. SGS consistently provides the most accurate EDDs through totally automated data transfer. At the front end, virtually all laboratory data is transferred automatically to the LIMS without manual transcription, followed by multiple levels of technical review. From this point, the LIMS becomes the single source for all deliverables including data reports, QC reports, and EDDs. Simply put, this means that the raw data matches the paper reports, and the reports match the EDDs.

Tables
LabLink® allows generation of Excel result tables in real time, with a host of options, and the ability to include and screen against regulatory criteria.

LabLink®
LabLink® is the live, online client interface to the SGS LIMS, the most comprehensive on-line data service in the industry. Available via the internet to all SGS clients, LabLink® provides real-time access to project status, current and historical data, on-line reports, EDDs, and billing information. LabLink® can be configured to send reports via email automatically upon data completion. We provide clients with a personal, secure internet account that encrypts all communications to maintain data confidentiality. LabLink® has established a new standard for electronic data management. From the minute samples are received, LabLink® provides up-to-the-minute access to project information from a PC via a secure website. The Most Comprehensive On-Line Service in the Industry, LabLink® service saves time, effort and money. Through LabLink®, SGS has made a long-term commitment to provide the most comprehensive on-line service in the industry that includes the following features:

Automated Sample Receipt Confirmation
Automated Sample Receipt Confirmation allows client verification that samples have arrived at the laboratory safely and have been logged in properly. This ensures the correct tests, sample identification (IDs) and Turn-Around-Time (TAT) have been accurately communicated from the client to SGS. An electronic copy of the chain-of-custody is delivered with the log in report for review.

Compare Results to Multiple Regulatory Limits
Summary tables compare project results to multiple regulatory limits in real time. The Tables include highlights for hits and exceedances. Complete Project Status Information: From the minute samples are received, there is complete access to job, sample, and test information. In addition, status information is available in real time through LabLink®, which allows tracking sample progress through the laboratory.

Online Chain-of-Custody Documents: As part of sample login, chain-of-custody documents are scanned into PDF files that are available on-line to LabLink® users with a single click.

Immediate Access to Test Results
LabLink® provides complete access to test results the minute they are approved by the laboratory. The LabLink® data query provides powerful options (e.g. hits only) to get data feedback as quickly as possible. The results can also be compared to a variety of Federal and State regulatory limits.

Access to Quality Control Data
Method blank, MS/MSD, blank spike and surrogates are available on-line. Chromatograms, spectra and other raw data can also be reviewed.

Historical Data Query
With LabLink®, it is just as easy to view historical data. Powerful query options and sort criteria can be specified and executed in seconds to evaluate trends. e-Hardcopy Reports available via Auto-email or on-line: Finished data may be generated in *e-Hardcopy* format complete with a signed cover page, chain-of-custody and comprehensive QC data.LabLink® allows the user to activate Auto-email on projects of interest, which automatically initiates generation of an *e-Hardcopy* report that will be sent automatically upon completion of a job.

Billing/Invoice Information
LabLink® also allows access to preliminary billing information. This enables the user to check quote prices before the invoice is delivered. In addition, historical billing information is maintained, allowing up-to-the-minute project financial summaries. Final invoices can be downloaded on demand in PDF format.

Electronic Deliverables on Demand
EDDs may be generated on demand through LabLink®. This capability is unprecedented in the industry.

Tables: LabLink® allows generation of Excel result tables in real time, with a host of options, and the ability to include and screen against regulatory criteria.

Professional Qualifications
Part 4

Professional Qualifications, Section 4

SGS is certified throughout the United States. A detailed list of certifications is listed below. Michigan only certifies for drinking water samples and currently does not certify for PFAS. DoD ELAP certification is enclosed for SGS Orlando and Wilmington.

Certifying Authority	Certification Program	Cert No.	Location
Alaska	Non-Potable Water, Soil	17-010	Orlando, FL
Alaska	Potable Water	FL009646	Orlando, FL
Alaska	Non-Potable Water, Soil	17-012	Wilmington, NC
Arizona (ADEQ)	Potable/Non-Potable Water, Solid/Hazardous Waste	AZ0806	Orlando, FL
Arkansas	Non-Potable Water, Solid/Hazardous Waste	18-058-0	Orlando, FL
Arkansas	(Not Specified)	18-042-0	Wilmington, NC
California (ELAP)	Non-Potable Water, Hazardous Waste	2937	Orlando, FL
Connecticut	Non-Potable Water, Soil/ Solid/Hazardous Waste	PH-0258	Wilmington, NC
DoD ELAP & ISO 17025	Potable/Non-Potable Water, Solid/Hazardous Waste	L2229	Orlando, FL
DoD ELAP & ISO 17025	Air, Potable/Non-Potable Water, Solid/Hazardous Waste, Tissue	2726.01	Wilmington
Florida	Non-Potable Water, Solid/Hazardous Waste	E83510	Orlando, FL
Florida	Potable/Non-Potable Water, Solid/Hazardous Waste, Tissue	E87634	Wilmington, NC
Illinois	Non-Potable Water, Solid/Hazardous Waste	004520	Orlando, FL
Iowa	Non-Potable Water, Solid/Hazardous Waste, Underground Storage Tank	IA366	Orlando, FL
Kansas	Potable/Non-Potable Water, Solid/Hazardous Waste	E-10327	Orlando, FL
Kentucky (NELAP)	Non-Potable Water	KY98023	Orlando, FL
Kentucky	Underground Storage Tank	123041	Orlando, FL
Louisiana (NELAP)	Non-Potable Water, Solid/Hazardous Waste	03051	Orlando, FL
Louisiana (NELAP)	Air, Non-Potable Water, Solid/Hazardous Waste, Tissue	04115	Wilmington, NC
Louisiana (DHH)	Potable Water	LA180027	Wilmington, NC
Maine	Potable/Non-Potable Water, Solid/Hazardous Waste	2018018	Wilmington, NC
Massachusetts	Non-Potable Water	M-FL946	Orlando, FL
Massachusetts	Non-Potable Water	M-NC919	Wilmington, NC

Certifying Authority	Certification Program	Cert No.	Location
Minnesota	Air, Potable Water	142111	Wilmington, NC
Mississippi (DW Only)	Potable Water	Not Applicable	Orlando, FL
Mississippi (DW Only)	Potable Water	Not Applicable	Wilmington, NC
Nebraska (DW only)	Potable Water	NE-OS-33-17	Wilmington, NC
Nevada	Potable/Non-Potable Water, Solid/Hazardous Waste	FL009462019-1	Orlando, FL
New Hampshire	Potable/Non-Potable Water, Solid/Hazardous Waste	207817	Orlando, FL
New Hampshire	Potable Water	208318	Wilmington, NC
New Hampshire	Non-Potable Water	208517	Wilmington, NC
New Jersey	Potable/Non-Potable Water, Solid/Hazardous Waste	FL002	Orlando, FL
New Jersey	Air, Potable/Non-Potable Water; Solid/Hazardous Waste, Tissue	NC100	Wilmington, NC
New York	Potable/Non-Potable Water, Solid/Hazardous Waste	12022	Orlando, FL
New York	Air, Potable/Non-Potable Water, Solid/Hazardous Waste	11685	Wilmington, NC
North Carolina	Non-Potable Water, Waste Water	573	Orlando, FL
North Carolina	Non-Potable Water	481	Wilmington, NC
North Dakota	Potable/Non-Potable, Solid/Hazardous Waste	R-223	Orlando, FL
North Dakota	Non-Potable Water, Soil	R-197	Wilmington, NC
Oklahoma	Non-Potable Water, Solid/Hazardous Waste	2018-079	Orlando, FL
Oregon	Potable/Non-Potable Water, Solid/Hazardous Waste	4124-003	Orlando, FL
Oregon	Air, Potable/Non-Potable Water, Solid/Hazardous Waste, Tissue	NC200002-010	Wilmington, NC
Pennsylvania	Potable/Non-Potable Water, Solid/Hazardous Waste	68-03573-008	Orlando, FL
Pennsylvania	Potable/Non-Potable Water, Solid/Hazardous Waste	68-03675-009	Wilmington, NC
South Carolina (DHEC)	Potable/Non-Potable Water, Solid/Hazardous Waste	96038001	Orlando, FL
South Carolina (DHEC)	Non-Potable Water; Solid/Hazardous Waste	99029002	Wilmington, NC

Certifying Authority	Certification Program	Cert No.	Location
Texas	Non-Potable Water, Solid/Hazardous Waste	T104704404-18-12	Orlando, FL
Texas	Non-Potable Water, Solid/Hazardous Waste	T104704260-18-12	Wilmington, NC
US Dept. of Agriculture	Foreign Soils Permit	P330-16-00126	Orlando, FL
US Dept. of Agriculture	Foreign Soils Permit	P330-17-00055	Wilmington, NC
Utah	Potable/Non-Potable Water, Solid/Hazardous Waste	FL009462018-8	Orlando, FL
Vermont (DW Only)	Potable Water	VT-83510	Orlando, FL
Vermont (DW Only)	Potable Water	VT-87634	Wilmington, NC
Virginia	Potable/Non-Potable Water, Solid/Hazardous Waste	460177-9921	Orlando, FL
Virginia	Air, Potable/Non-Potable Water, Solid/Hazardous Waste	9502	Wilmington, NC
Washington (DOE)	Potable/Non-Potable Water, Solid/Hazardous Waste	C918	Orlando, FL
Washington (DOE)	Air, Non-Potable Water, Solid/Hazardous Waste	C913	Wilmington, NC
West Virginia	Non-Potable Water, Solid/Hazardous Waste	304	Orlando, FL
West Virginia	Non-Potable Water, Solid/Hazardous Waste	293	Wilmington, NC

SGS Orlando
DoD Certification

CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

SGS North America Inc. - Orlando
4405 Vineland Road, Suite C-15
Orlando, FL 32811

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

and DoD Quality Systems Manual for Environmental Laboratories (DoD QSM V 5.1.1)

while demonstrating technical competence in the fields of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

L2229
Certificate Number

ANAB Approval

Certificate Valid: 12/05/2018-12/15/2021
Version No. 003 Issued: 12/05/2018

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND DOD QUALITY SYSTEMS MAUAL FOR ENVIRONMENTAL LABORATORIES (DOD QSM V 5.1.1)

SGS North America Inc. - Orlando

4405 Vineland Road, Suite C-15
Orlando, FL 32811
Svetlana Izosimova, Ph. D., QA Officer
407-425-6700

TESTING

Valid to: **December 15, 2021** Certificate Number: **L2229**

Environmental

Drinking Water		
Technology	**Method**	**Analyte**
LC/MS/MS	EPA 537 rev. 1.1	Perfluorohexanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluoroheptanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorooctanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorononanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorodecanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluoroundecanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorododecanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorotridecanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorotetradecanoic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorobutanesulfonic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorohexanesulfonic Acid
LC/MS/MS	EPA 537 rev. 1.1	Perfluorooctanesulfonic Acid
LC/MS/MS	EPA 537 rev. 1.1	N-Methyl perfluorooctanesulfonamidoacetic acid
LC/MS/MS	EPA 537 rev. 1.1	N-Ethyl perfluorooctanesulfonamidoacetic acid

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/ECD	EPA 8011	1,2-Dibromoethane (EDB)
GC/ECD	EPA 8011	1,2-Dibromo-3-Chloropropane (DBCP)
GC/ECD	EPA 504.1	1,2-Dibromoethane (EDB)
GC/ECD	EPA 504.1	1,2-Dibromo-3-Chloropropane (DBCP)
GC/ECD	EPA 504.1	1,2,3-Trichloropropane (1,2,3-TCP)
GC/FID	EPA 8015C/D	Diesel range organics (DRO)
GC/FID	EPA 8015C/D	Oil Range Organics (ORO)
GC/FID	EPA 8015C/D	Gasoline range organics (GRO)
GC/FID	EPA 8015C/D	Ethanol
GC/FID	EPA 8015C/D	2-Ethoxyethanol
GC/FID	EPA 8015C/D	Isobutyl alcohol (2-Methyl-1-propanol)
GC/FID	EPA 8015C/D	Isopropyl alcohol (2-Propanol)
GC/FID	EPA 8015C/D	Methanol
GC/FID	EPA 8015C/D	n-Butyl alcohol
GC/FID	EPA 8015C/D	n-Propanol
GC/ECD	EPA 608.3; EPA 8081B	4,4`-DDD
GC/ECD	EPA 608.3; EPA 8081B	4,4`-DDE
GC/ECD	EPA 608.3; EPA 8081B	4,4`-DDT
GC/ECD	EPA 608.3; EPA 8081B	Aldrin
GC/ECD	EPA 608.3; EPA 8081B	alpha-BHC (alpha-Hexachlorocyclohexane)
GC/ECD	EPA 608.3; EPA 8081B	beta-BHC (beta-Hexachlorocyclohexane)
GC/ECD	EPA 608.3; EPA 8081B	delta-BHC
GC/ECD	EPA 608.3; EPA 8081B	gamma-BHC (Lindane gamma-Hexachlorocyclohexane)
GC/ECD	EPA 608.3; EPA 8081B	Chlordane (tech.)
GC/ECD	EPA 608.3; EPA 8081B	alpha-Chlordane
GC/ECD	EPA 608.3; EPA 8081B	gamma-Chlordane
GC/ECD	EPA 608.3; EPA 8081B	Dieldrin
GC/ECD	EPA 608.3; EPA 8081B	Endosulfan I
GC/ECD	EPA 608.3; EPA 8081B	Endosulfan II
GC/ECD	EPA 608.3; EPA 8081B	Endosulfan sulfate
GC/ECD	EPA 608.3; EPA 8081B	Endrin
GC/ECD	EPA 608.3; EPA 8081B	Endrin aldehyde
GC/ECD	EPA 608.3; EPA 8081B	Endrin ketone
GC/ECD	EPA 608.3; EPA 8081B	Heptachlor
GC/ECD	EPA 608.3; EPA 8081B	Heptachlor epoxide

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/ECD	EPA 608.3; EPA 8081B	Methoxychlor
GC/ECD	EPA 608.3; EPA 8081B	Toxaphene (Chlorinated camphene)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1016 (PCB-1016)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1221 (PCB-1221)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1232 (PCB-1232)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1242 (PCB-1242)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1248 (PCB-1248)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1254 (PCB-1254)
GC/ECD	EPA 608.3; EPA 8081B	Aroclor-1260 (PCB-1260)
GC/ECD	EPA 8082A	Aroclor-1262 (PCB-1262)
GC/ECD	EPA 8082A	Aroclor-1268 (PCB-1268)
GC/FPD	EPA 8141B	Azinphos-methyl (Guthion)
GC/FPD	EPA 8141B	Bolstar (Sulprofos)
GC/FPD	EPA 8141B	Carbophenothion
GC/FPD	EPA 8141B	Chlorpyrifos
GC/FPD	EPA 8141B	Coumaphos
GC/FPD	EPA 8141B	Demeton-o
GC/FPD	EPA 8141B	Demeton-s
GC/FPD	EPA 8141B	Diazinon
GC/FPD	EPA 8141B	Dichlorovos (DDVP Dichlorvos)
GC/FPD	EPA 8141B	Dimethoate
GC/FPD	EPA 8141B	Disulfoton
GC/FPD	EPA 8141B	EPN
GC/FPD	EPA 8141B	Ethion
GC/FPD	EPA 8141B	Ethoprop
GC/FPD	EPA 8141B	Famphur
GC/FPD	EPA 8141B	Fensulfothion
GC/FPD	EPA 8141B	Fenthion
GC/FPD	EPA 8141B	Malathion
GC/FPD	EPA 8141B	Merphos
GC/FPD	EPA 8141B	Methyl parathion (Parathion methyl)
GC/FPD	EPA 8141B	Mevinphos
GC/FPD	EPA 8141B	Monocrotophos
GC/FPD	EPA 8141B	Naled
GC/FPD	EPA 8141B	Parathion ethyl
GC/FPD	EPA 8141B	Phorate
GC/FPD	EPA 8141B	Ronnel

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/FPD	EPA 8141B	Stirofos
GC/FPD	EPA 8141B	Sulfotepp
GC/FPD	EPA 8141B	Tetraethyl pyrophosphate (TEPP)
GC/FPD	EPA 8141B	Thionazin (Zinophos)
GC/FPD	EPA 8141B	Tokuthion (Prothiophos)
GC/FPD	EPA 8141B	Trichloronate
GC/FPD	EPA 8141B	O,O,O-Triethyl phosphorothioate
GC/ECD	EPA 8151A	2,4,5-T
GC/ECD	EPA 8151A	2,4-D
GC/ECD	EPA 8151A	2,4-DB
GC/ECD	EPA 8151A	Dalapon
GC/ECD	EPA 8151A	Dicamba
GC/ECD	EPA 8151A	Dichloroprop (Dichlorprop)
GC/ECD	EPA 8151A	Dinoseb (2-sec-butyl-4,6-dinitrophenol DNBP)
GC/ECD	EPA 8151A	MCPA
GC/ECD	EPA 8151A	MCPP
GC/ECD	EPA 8151A	Pentachlorophenol
GC/ECD	EPA 8151A	Silvex (2,4,5-TP)
GC/FID	RSK-175	Acetylene
GC/FID	RSK-175	Methane
GC/FID	RSK-175	Ethane
GC/FID	RSK-175	Ethene
GC/FID	RSK-175	Propane
GC/FID	FL-PRO	Total Petroleum Hydrocarbons (TPH)
GC/FID	MA-VPH	Volatile petroleum range organics (VPH)
GC/FID	MA-EPH	Extractable petroleum range organics (EPH)
GC/FID	IA-OA1	Gasoline range organics (GRO)
GC/FID	IA-OA2	Diesel range organics (DRO)
GC/FID	TN-GRO	Gasoline range organics (GRO)
GC/FID	TN-EPH	Extractable petroleum range organics (EPH)
GC/FID	WI-DRO	Diesel range organics (DRO)
GC/FID	AK-101	Gasoline range organics (GRO)
GC/FID	AK-102	Diesel range organics (DRO)
GC/FID	OK-GRO	Gasoline range organics (GRO)

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/FID	OK-DRO	Diesel range organics (DRO)
GC/FID	TX-1005	Total Petroleum Hydrocarbons (TPH)
GC/FID	KS LRH	Low-Range Hydrocarbons (LRH)
GC/FID	KS MRH	Mid-Range Hydrocarbons (MRH)
GC/FID	KS HRH	High-Range Hydrocarbons (HRH)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1,1,2-Tetrachloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1,1-Trichloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1,2,2-Tetrachloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1,2-Trichloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1-Dichloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1-Dichloroethylene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,1-Dichloropropene
GC/MS	EPA 624.1; EPA 8260B/C	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2,3-Trichlorobenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2,3-Trichloropropane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2,4-Trichlorobenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2,4-Trimethylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2-Dibromo-3-chloropropane (DBCP)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2-Dibromoethane (EDB Ethylene dibromide)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2-Dichlorobenzene (o-Dichlorobenzene)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2-Dichloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,2-Dichloropropane
GC/MS	EPA 8260B/C	1,2-Dichlorotrifluoroethane (Freon 123)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,3,5-Trimethylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,3-Dichlorobenzene (m-Dichlorobenzene)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,3-Dichloropropane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	1,4-Dichlorobenzene (p-Dichlorobenzene)
GC/MS	EPA 8260B/C	1-Chlorohexane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	2,2-Dichloropropane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	2-Butanone (Methyl ethyl ketone MEK)
GC/MS	EPA 624.1; EPA 8260B/C	2-Chloroethyl vinyl ether
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	2-Chlorotoluene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	2-Hexanone
GC/MS	EPA 8260B/C	2-Nitropropane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	4-Chlorotoluene

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	4-Methyl-2-pentanone (MIBK)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Acetone
GC/MS	EPA 8260B/C	Acetonitrile
GC/MS	EPA 624.1; EPA 8260B/C	Acrolein (Propenal)
GC/MS	EPA 624.1; EPA 8260B/C	Acrylonitrile
GC/MS	EPA 8260B/C	Allyl chloride (3-Chloropropene)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Benzene
GC/MS	EPA 8260B/C	Benzyl Chloride
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Bromobenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Bromochloromethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Bromodichloromethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Bromoform
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	n-Butylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	sec-Butylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	tert-Butylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Carbon disulfide
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Carbon tetrachloride
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Chlorobenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Chloroethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Chloroform
GC/MS	EPA 8260B/C	Chloroprene
GC/MS	EPA 624.1; EPA 8260B/C	Cyclohexane
GC/MS	EPA 8260B/C	Cyclohexanone
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	cis-1,2-Dichloroethylene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	trans-1,2-Dichloroethylene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	cis-1,3-Dichloropropene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	trans-1,3-Dichloropropylene
GC/MS	EPA 8260B/C	cis-1,4-Dichloro-2-butene
GC/MS	EPA 8260B/C	trans-1,4-Dichloro-2-butene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Di-isopropylether (DIPE)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Dibromochloromethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Dibromomethane (Methylene Bromide)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Dichlorodifluoromethane
GC/MS	EPA 8260B/C	Diethyl ether
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C SIM	p-Dioxane (1,4-Dioxane)

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Ethanol (Ethyl Alcohol)
GC/MS	EPA 8260B/C	Ethyl acetate
GC/MS	EPA 8260B/C	Ethyl methacrylate
GC/MS	EPA 8260B/C	Ethyl tert-butyl alcohol (ETBA)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Ethyl tert-butyl ether (ETBE)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Ethylbenzene
GC/MS	EPA 8260B/C	Ethylene Oxide
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Hexachlorobutadiene
GC/MS	EPA 8260B/C	Hexane
GC/MS	EPA 8260B/C	Iodomethane (Methyl iodide)
GC/MS	EPA 8260B/C	Isobutyl alcohol (2-Methyl-1-propanol)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	p-Isopropyltoluene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Isopropylbenzene
GC/MS	EPA 8260B/C	Methacrylonitrile
GC/MS	EPA 624.1; EPA 8260B/C	Methyl Acetate
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Methyl bromide (Bromomethane)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Methyl chloride (Chloromethane)
GC/MS	EPA 624.1; EPA 8260B/C	Methylcyclohexane
GC/MS	EPA 8260B/C	Methyl methacrylate
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Methyl tert-butyl ether (MTBE)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Methylene chloride
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Naphthalene
GC/MS	EPA 8260B/C	Pentachloroethane
GC/MS	EPA 8260B/C	Propionitrile (Ethyl cyanide)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	n-Propylbenzene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Styrene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	tert-Amyl alcohol (TAA)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	tert-Amyl methyl ether (TAME)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	tert-Butyl alcohol (TBA)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	tert-Butyl formate (TBF)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Tetrachloroethylene (Perchloroethylene)
GC/MS	EPA 8260B/C	Tetrahydrofuran
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Toluene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Trichloroethene (Trichloroethylene)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Trichlorofluoromethane
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Vinyl acetate
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Vinyl chloride

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	Xylene (total)
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	m,p-Xylene
GC/MS	EPA 624.1; SM 6200B-11; EPA 8260B/C	o-Xylene
GC/MS	EPA 8260B/C	1-Bromopropane
GC/MS	EPA 8260B/C	Isopropyl Alcohol
GC/MS	EPA 8260B/C	n-Butyl Alcohol
GC/MS	EPA 625.1; EPA 8270D	1,2,4,5-Tetrachlorobenzene
GC/MS	EPA 625.1; EPA 8270D	1,2,4-Trichlorobenzene
GC/MS	EPA 625.1; EPA 8270D	1,2-Dichlorobenzene (o-Dichlorobenzene)
GC/MS	EPA 625.1; EPA 8270D	1,2-Diphenylhydrazine
GC/MS	EPA 8270D	1,3,5-Trinitrobenzene (1,3,5-TNB)
GC/MS	EPA 625.1; EPA 8270D	1,3-Dichlorobenzene (m-Dichlorobenzene)
GC/MS	EPA 8270D	1,3-Dinitrobenzene (1,3-DNB)
GC/MS	EPA 625.1; EPA 8270D	1,4-Dichlorobenzene (p-Dichlorobenzene)
GC/MS	EPA 8270D	1,4-Dithiane
GC/MS	EPA 8270D	1,4-Oxathiane
GC/MS	EPA 8270D	1,4-Naphthoquinone
GC/MS	EPA 8270D	1,4-Phenylenediamine
GC/MS	EPA 8270D	1-Chloronaphthalene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	1-Methylnaphthalene
GC/MS	EPA 8270D	1-Naphthylamine
GC/MS	EPA 625.1; EPA 8270D	2,3,4,6-Tetrachlorophenol
GC/MS	EPA 625.1; EPA 8270D	2,4,5-Trichlorophenol
GC/MS	EPA 625.1; EPA 8270D	2,4,6-Trichlorophenol
GC/MS	EPA 625.1; EPA 8270D	2,4-Dichlorophenol
GC/MS	EPA 625.1; EPA 8270D	2,4-Dimethylphenol
GC/MS	EPA 625.1; EPA 8270D	2,4-Dinitrophenol
GC/MS	EPA 625.1; EPA 8270D	2,4-Dinitrotoluene (2,4-DNT)
GC/MS	EPA 8270D	2,6-Dichlorophenol
GC/MS	EPA 625.1; EPA 8270D	2,6-Dinitrotoluene (2,6-DNT)
GC/MS	EPA 8270D	2-Acetylaminofluorene
GC/MS	EPA 625.1; EPA 8270D	2-Chloronaphthalene
GC/MS	EPA 625.1; EPA 8270D	2-Chlorophenol
GC/MS	EPA 625.1; EPA 8270D	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-o-cresol)
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	2-Methylnaphthalene

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 625.1; EPA 8270D	2-Methylphenol (o-Cresol)
GC/MS	EPA 8270D	2-Naphthylamine
GC/MS	EPA 625.1; EPA 8270D	2-Nitroaniline
GC/MS	EPA 625.1; EPA 8270D	2-Nitrophenol
GC/MS	EPA 8270D	2-Picoline (2-Methylpyridine)
GC/MS	EPA 625.1; EPA 8270D	3,3`-Dichlorobenzidine
GC/MS	EPA 8270D	3,3`-Dimethylbenzidine
GC/MS	EPA 8270D	3-Methylcholanthrene
GC/MS	EPA 625.1; EPA 8270D	3&4-Methylphenol (m,p-Cresol)
GC/MS	EPA 625.1; EPA 8270D	3-Nitroaniline
GC/MS	EPA 8270D	4-Aminobiphenyl
GC/MS	EPA 625.1; EPA 8270D	4-Bromophenyl phenyl ether
GC/MS	EPA 625.1; EPA 8270D	4-Chloro-3-methylphenol
GC/MS	EPA 625.1; EPA 8270D	4-Chloroaniline
GC/MS	EPA 625.1; EPA 8270D	4-Chlorophenyl phenylether
GC/MS	EPA 8270D	4-Dimethyl aminoazobenzene
GC/MS	EPA 625.1; EPA 8270D	4-Nitroaniline
GC/MS	EPA 625.1; EPA 8270D	4-Nitrophenol
GC/MS	EPA 8270D	4,4’-methylene-bis(2-chloroaniline)
GC/MS	EPA 8270D	5-Nitro-o-toluidine
GC/MS	EPA 8270D	7,12-Dimethylbenz(a) anthracene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Acenaphthene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Acenaphthylene
GC/MS	EPA 625.1; EPA 8270D	Acetophenone
GC/MS	EPA 625.1; EPA 8270D	Aniline
GC/MS	EPA 8270D	Anilazine
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Anthracene
GC/MS	EPA 8270D	Aramite
GC/MS	EPA 625.1; EPA 8270D	Atrazine
GC/MS	EPA 625.1; EPA 8270D	Benzaldehyde
GC/MS	EPA 625.1; EPA 8270D	Benzidine
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Benzo(a)anthracene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Benzo(a)pyrene

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Benzo(b)fluoranthene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Benzo(g,h,i)perylene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Benzo(k)fluoranthene
GC/MS	EPA 625.1; EPA 8270D	Benzoic acid
GC/MS	EPA 625.1; EPA 8270D	Benzyl alcohol
GC/MS	EPA 625.1; EPA 8270D	Biphenyl (1,1'-Biphenyl)
GC/MS	EPA 625.1; EPA 8270D	bis(2-Chloroethoxy)methane
GC/MS	EPA 625.1; EPA 8270D	bis(2-Chloroethyl) ether
GC/MS	EPA 625.1; EPA 8270D	bis(2-Chloroisopropyl) ether (2,2`-Oxybis(1-chloropropane))
GC/MS	EPA 625.1; EPA 8270D	bis(2-Ethylhexyl) phthalate (DEHP)
GC/MS	EPA 625.1; EPA 8270D	Butyl benzyl phthalate
GC/MS	EPA 625.1; EPA 8270D	Carbazole
GC/MS	EPA 625.1; EPA 8270D	Caprolactam
GC/MS	EPA 8270D	Chlorobenzilate
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Chrysene
GC/MS	EPA 8270D	Diallate
GC/MS	EPA 8270D	Dinoseb
GC/MS	EPA 625.1; EPA 8270D	Di-n-butyl phthalate
GC/MS	EPA 625.1; EPA 8270D	Di-n-octyl phthalate
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Dibenz(a,h)anthracene
GC/MS	EPA 8270D	Dibenz(a,j)acridine
GC/MS	EPA 625.1; EPA 8270D	Dibenzofuran
GC/MS	EPA 625.1; EPA 8270D	Diethyl phthalate
GC/MS	EPA 625.1; EPA 8270D	Dimethyl phthalate
GC/MS	EPA 8270D	a,a-Dimethylphenethylamine
GC/MS	EPA 8270D	Diphenyl Ether
GC/MS	EPA 8270D	p-Dioxane (1,4-Dioxane)
GC/MS	EPA 8270D	Ethyl methanesulfonate
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Fluoranthene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Fluorene
GC/MS	EPA 625.1; EPA 8270D	Hexachlorobenzene

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 625.1; EPA 8270D	Hexachlorobutadiene
GC/MS	EPA 625.1; EPA 8270D	Hexachlorocyclopentadiene
GC/MS	EPA 625.1; EPA 8270D	Hexachloroethane
GC/MS	EPA 8270D	Hexachlorophene
GC/MS	EPA 8270D	Hexachloropropene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Indeno(1,2,3-cd)pyrene
GC/MS	EPA 8270D	Isodrin
GC/MS	EPA 625.1; EPA 8270D	Isophorone
GC/MS	EPA 8270D	Isosafrole
GC/MS	EPA 8270D	Kepone
GC/MS	EPA 8270D	Methapyrilene
GC/MS	EPA 8270D	Methyl methanesulfonate
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Naphthalene
GC/MS	EPA 8270D	Nicotine
GC/MS	EPA 625.1; EPA 8270D	Nitrobenzene
GC/MS	EPA 8270D	Nitroquinoline-1-oxide
GC/MS	EPA 8270D	n-Nitroso-di-n-butylamine
GC/MS	EPA 625.1; EPA 8270D	n-Nitrosodi-n-propylamine
GC/MS	EPA 8270D	n-Nitrosodiethylamine
GC/MS	EPA 625.1; EPA 8270D	n-Nitrosodimethylamine
GC/MS	EPA 625.1; EPA 8270D	n-Nitrosodiphenylamine
GC/MS	EPA 8270D	n-Nitrosodiphenylamine/Diphenylamine (analyte pair)
GC/MS	EPA 8270D	n-Nitrosomethylethylamine
GC/MS	EPA 8270D	n-Nitrosomorpholine
GC/MS	EPA 8270D	n-Nitrosopiperidine
GC/MS	EPA 8270D	n-Nitrosopyrrolidine
GC/MS	EPA 8270D	Pentachlorobenzene
GC/MS	EPA 8270D	Pentachloroethane
GC/MS	EPA 8270D	Pentachloronitrobenzene
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Pentachlorophenol
GC/MS	EPA 8270D	Phenacetin
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Phenanthrene
GC/MS	EPA 625.1; EPA 8270D	Phenol

Non-Potable Water		
Technology	**Method**	**Analyte**
GC/MS	EPA 8270D	Pronamide (Kerb)
GC/MS	EPA 8270D	Propazine
GC/MS	EPA 625.1; EPA 8270D; EPA 8270D SIM	Pyrene
GC/MS	EPA 625.1; EPA 8270D	Pyridine
GC/MS	EPA 8270D	Resorcinol
GC/MS	EPA 8270D	Safrole
GC/MS	EPA 8270D	Simazine
GC/MS	EPA 8270D	Thionazin (Zinophos)
GC/MS	EPA 8270D	o-Toluidine
GC/MS	EPA 8270D	Dimethoate
GC/MS	EPA 8270D	Disulfoton
GC/MS	EPA 8270D	Famphur
GC/MS	EPA 8270D	Methyl parathion (Parathion methyl)
GC/MS	EPA 8270D	Parathion ethyl
GC/MS	EPA 8270D	Phorate
GC/MS	EPA 8270D	O,O,O-Triethyl phosphorothioate
HPLC	EPA 610	1-Methylnaphthalene
HPLC	EPA 610	2-Methylnaphthalene
HPLC	EPA 610	Acenaphthene
HPLC	EPA 610	Acenaphthylene
HPLC	EPA 610	Anthracene
HPLC	EPA 610	Benzo(a)anthracene
HPLC	EPA 610	Benzo(a)pyrene
HPLC	EPA 610	Benzo(b)fluoranthene
HPLC	EPA 610	Benzo(g h i)perylene
HPLC	EPA 610	Benzo(k)fluoranthene
HPLC	EPA 610	Chrysene
HPLC	EPA 610	Dibenz(a,h)anthracene
HPLC	EPA 610	Fluoranthene
HPLC	EPA 610	Fluorene
HPLC	EPA 610	Indeno(1,2,3-cd)pyrene
HPLC	EPA 610	Naphthalene
HPLC	EPA 610	Phenanthrene
HPLC	EPA 610	Pyrene
HPLC	EPA 8330A/B	1,3,5-Trinitrobenzene (1,3,5-TNB)
HPLC	EPA 8330A/B	1,3-Dinitrobenzene (1,3-DNB)

Non-Potable Water		
Technology	**Method**	**Analyte**
HPLC	EPA 8330A/B	2,4,6-Trinitrotoluene (2,4,6-TNT)
HPLC	EPA 8330A/B	2,4-Dinitrotoluene (2,4-DNT)
HPLC	EPA 8330A/B	2,6-Dinitrotoluene (2,6-DNT)
HPLC	EPA 8330A/B	2-Amino-4,6-dinitrotoluene (2-am-dnt)
HPLC	EPA 8330A/B	2-Nitrotoluene
HPLC	EPA 8330A/B	3,5-Dinitroaniline
HPLC	EPA 8330A/B	3-Nitrotoluene
HPLC	EPA 8330A/B	4-Amino-2,6-dinitrotoluene (4-am-dnt)
HPLC	EPA 8330A/B	4-Nitrotoluene
HPLC	EPA 8330A/B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
HPLC	EPA 8330A/B	Nitrobenzene
HPLC	EPA 8330A/B	Nitroglycerin
HPLC	EPA 8330A/B	Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
HPLC	EPA 8330A/B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
HPLC	EPA 8330A/B	Pentaerythritoltetranitrate (PETN)
HPLC	EPA 8330A	2,2’,6,6’-Tetranitro-4,4’-azoxytoluene
HPLC	EPA 8330A/B	2-amino-6-Nitrotoluene
HPLC	EPA 8330A/B	4-amino-2-Nitrotoluene
HPLC	EPA 8330A/B	2-amino-4-Nitrotoluene
HPLC	EPA 8330A/B	2,4-diamino-6-Nitrotoluene
HPLC	EPA 8330A/B	2,6-diamino-4-Nitrotoluene
HPLC	EPA 8330A/B	DNX
HPLC	EPA 8330A/B	MNX
HPLC	EPA 8330A/B	TNX
HPLC	EPA 8330A	Nitroguanidine
HPLC	EPA 8330A	Guanidine Nitrate
LC/MS/MS	EPA 6850	Perchlorate
LC/MS/MS	EPA 537 MOD[2]	Perfluorobutanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoropentanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorohexanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoroheptanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorononanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorodecanoic Acid

Non-Potable Water		
Technology	**Method**	**Analyte**
LC/MS/MS	EPA 537 MOD[2]	Perfluoroundecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorododecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorotridecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorotetradecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorobutanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorohexanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorodecanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorononanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorodecanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoroheptanesulfonic acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoropentanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD[2]	N-Methyl perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD[2]	N-Ethyl perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD[2]	Perfluoro-1-octanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD[2]	N-Methyl perfluorooctanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD[2]	N-Ethyl perfluorooctanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD[2]	N-Methyl perfluorooctane sulfonamidoethanol
LC/MS/MS	EPA 537 MOD[2]	N-Ethyl perfluorooctane sulfonamidoethanol
LC/MS/MS	EPA 537 MOD[2]	4:2 Fluorotelomer Sulfonate
LC/MS/MS	EPA 537 MOD[2]	6:2 Fluorotelomer Sulfonate
LC/MS/MS	EPA 537 MOD[2]	8:2 Fluorotelomer Sulfonate
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorobutanoic Acid (PFBA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoropentanoic Acid (PFPeA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorohexanoic Acid (PFHxA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroheptanoic Acid (PFHpA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctanoic Acid (PFOA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorononanoic Acid (PFNA)

Non-Potable Water		
Technology	**Method**	**Analyte**
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorodecanoic Acid (PFDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroundecanoic Acid (PFUnA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorododecanoic Acid(PFDoA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorotridecanoic Acid (PFTrDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorotetradecanoic Acid (PFTA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorobutanesulfonic Acid (PFBS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorohexanesulfonic Acid(PFHxS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctanesulfonic Acid(PFOS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorononanesulfonic Acid(PFNS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorodecanesulfonic Acid(PFDS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroheptanesulfonic acid(PFHpS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoropentanesulfonic Acid(PFPeS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctane sulfonamide (PFOSA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	N-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	N-Ethyl perfluorooctanesulfonamidoacetic acid (EtFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	4:2 Fluorotelomer Sulfonate (FTS 4:2)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	6:2 Fluorotelomer Sulfonate(FTS 6:2)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	8:2 Fluorotelomer Sulfonate (FTS 8:2)
ICP	EPA 200.7; EPA 6010C/D	Aluminum
ICP	EPA 200.7; EPA 6010C/D	Antimony
ICP	EPA 200.7; EPA 6010C/D	Arsenic
ICP	EPA 200.7; EPA 6010C/D	Barium
ICP	EPA 200.7; EPA 6010C/D	Beryllium

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP	EPA 200.7; EPA 6010C/D	Cadmium
ICP	EPA 200.7; EPA 6010C/D	Calcium
ICP	EPA 200.7; EPA 6010C/D	Chromium
ICP	EPA 200.7; EPA 6010C/D	Cobalt
ICP	EPA 200.7; EPA 6010C/D	Copper
ICP	EPA 200.7; EPA 6010C/D	Iron
ICP	EPA 200.7; EPA 6010C/D	Lead
ICP	EPA 200.7; EPA 6010C/D	Magnesium
ICP	EPA 200.7; EPA 6010C/D	Manganese
ICP	EPA 200.7; EPA 6010C/D	Molybdenum
ICP	EPA 200.7; EPA 6010C/D	Nickel
ICP	EPA 200.7; EPA 6010C/D	Potassium
ICP	EPA 200.7; EPA 6010C/D	Selenium
ICP	EPA 200.7; EPA 6010C/D	Silver
ICP	EPA 200.7; EPA 6010C/D	Sodium
ICP	EPA 200.7; EPA 6010C/D	Strontium
ICP	EPA 200.7; EPA 6010C/D	Thallium
ICP	EPA 200.7; EPA 6010C/D	Tin
ICP	EPA 200.7; EPA 6010C/D	Titanium
ICP	EPA 200.7; EPA 6010C/D	Vanadium
ICP	EPA 200.7; EPA 6010C/D	Zinc
ICP/MS	EPA 200.8; EPA 6020A/B	Aluminum
ICP/MS	EPA 200.8; EPA 6020A/B	Antimony
ICP/MS	EPA 200.8; EPA 6020A/B	Arsenic
ICP/MS	EPA 200.8; EPA 6020A/B	Barium
ICP/MS	EPA 200.8; EPA 6020A/B	Beryllium
ICP/MS	EPA 200.8; EPA 6020A/B	Cadmium
ICP/MS	EPA 200.8; EPA 6020A/B	Calcium
ICP/MS	EPA 200.8; EPA 6020A/B	Chromium
ICP/MS	EPA 200.8; EPA 6020A/B	Cobalt
ICP/MS	EPA 200.8; EPA 6020A/B	Copper
ICP/MS	EPA 200.8; EPA 6020A/B	Iron
ICP/MS	EPA 200.8; EPA 6020A/B	Lead
ICP/MS	EPA 200.8; EPA 6020A/B	Magnesium
ICP/MS	EPA 200.8; EPA 6020A/B	Manganese
ICP/MS	EPA 200.8; EPA 6020A/B	Molybdenum
ICP/MS	EPA 200.8; EPA 6020A/B	Nickel

Non-Potable Water		
Technology	**Method**	**Analyte**
ICP/MS	EPA 200.8; EPA 6020A/B	Potassium
ICP/MS	EPA 200.8; EPA 6020A/B	Selenium
ICP/MS	EPA 200.8; EPA 6020A/B	Silver
ICP/MS	EPA 200.8; EPA 6020A/B	Sodium
ICP/MS	EPA 200.8; EPA 6020A/B	Strontium
ICP/MS	EPA 200.8; EPA 6020A/B	Thallium
ICP/MS	EPA 200.8; EPA 6020A/B	Tin
ICP/MS	EPA 200.8; EPA 6020A/B	Titanium
ICP/MS	EPA 200.8; EPA 6020A/B	Vanadium
ICP/MS	EPA 200.8; EPA 6020A/B	Zinc
CVAA	EPA 7470A	Mercury
CVAA	EPA 245.1	Mercury
UV/VIS	EPA 7196A	Hexavalent Chromium (Cr6+)
UV/VIS	EPA 9012B	Cyanide (Total)
IC	EPA 300; EPA 9056A	Bromide
IC	EPA 300; EPA 9056A	Chloride
IC	EPA 300; EPA 9056A	Fluoride
IC	EPA 300; EPA 9056A	Nitrate
IC	EPA 300; EPA 9056A	Nitrite
IC	EPA 300; EPA 9056A	Sulfate
IC	EPA 300; EPA 9056A	Total nitrate-nitrite
Automated Colorimetry	EPA 350.1	Ammonia
Automated Colorimetry	EPA 350.1	Ammonia, Gas Diffusion Option
Automated Colorimetry	EPA 351.2	Total Kjeldahl Nitrogen
Automated Colorimetry	EPA 420.4	Total Phenolics
Automated Colorimetry	EPA 353.2	Nitrate
Automated Colorimetry	EPA 353.2	Nitrite
Automated Colorimetry	EPA 353.2	Nitrate+Nitrite
Manual Colorimetry	EPA 365.3	Orthophosphate
Manual Colorimetry	EPA 365.3	Total Phosphorus
Titrimetric	SM 2320B-11	Alkalinity, Total
Titrimetric	SM 4500-S2 F-11	Sulfide, Iodometric
Gravimetric Methods	EPA 1664A; EPA 1664B; EPA 9070A	Oil and Grease
Gravimetric Methods	SM 2540B-11	Total Residue (Total Solids)
Gravimetric Methods	SM 2540C-11	Filterable Residue (Total Dissolved Solids)
Gravimetric Methods	SM 2540D-11	Non-Filterable Residue (Total Suspended Solids)

Non-Potable Water		
Technology	**Method**	**Analyte**
Electrometric Methods	SM 4500H+B-11; EPA 9040C	Hydrogen Ion (Ph)
Electrometric Methods	EPA 120.1	Specific conductivity
Combustion	EPA 9060A	Total Organic Carbon
Combustion	SM 5310B-11	Total Organic Carbon
Ignitability	EPA 1010A	Flash Point
Waste Characterization	EPA Ch.7	Reactive Cyanide and Reactive Sulfide
Waste Characterization	EPA Section 7.3	Reactive Cyanide
Waste Characterization	EPA Section 7.3	Reactive Sulfide
Preparation	**Method**	**Type**
Organic Preparation	EPA 3510C	Separatory Funnel Liquid-Liquid Extraction
Organic Preparation	EPA 3511	Micro-extraction
Organic Preparation	EPA 3535A; EPA 3535A MOD	Solid Phase Extraction
Organic Preparation	EPA 8015C/D	Non-Halogenated Organics (Alcohols), direct injection
Organic Preparation	EPA 8151A	Chlorinated Herbicides, Liquid-Liquid Extraction
Organic Preparation	EPA 608; EPA 610; EPA 625	Separatory Funnel Liquid-Liquid Extraction
Volatile Organic Preparation	SW836 5030B	Closed System Purge and Trap
Volatile Organic Preparation	EPA 624	Closed System Purge and Trap
Volatile Organic Preparation	SM 6200B-11	Closed System Purge and Trap
Lachat MicroDistillation	EPA 9012B	Cyanide MicroDistillation; proprietary method
Inorganic Preparation	EPA 3010A	Metals Acid Digestion by Hotblock
Inorganic Preparation	EPA 7470A	CVAA Digestion by Hotblock
Organics Cleanup	EPA 3660B	Sulfur Cleanup
Organics Cleanup	EPA 3665A	Sulfuric Acid Cleanup

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/ECD	EPA 8011	1,2-Dibromoethane (EDB)
GC/ECD	EPA 8011	1,2-Dibromo-3-Chloropropane (DBCP)
GC/FID	EPA 8015C/D	Diesel range organics (DRO)
GC/FID	EPA 8015C/D	Oil Range Organics (ORO)
GC/FID	EPA 8015C/D	Gasoline range organics (GRO)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/FID	EPA 8015C/D	Ethanol
GC/FID	EPA 8015C/D	2-Ethoxyethanol
GC/FID	EPA 8015C/D	Isobutyl alcohol (2-Methyl-1-propanol)
GC/FID	EPA 8015C/D	Isopropyl alcohol (2-Propanol)
GC/FID	EPA 8015C/D	Methanol
GC/FID	EPA 8015C/D	n-Butyl alcohol
GC/FID	EPA 8015C/D	n-Propanol
GC/ECD	EPA 8081B	4,4`-DDD
GC/ECD	EPA 8081B	4,4`-DDE
GC/ECD	EPA 8081B	4,4`-DDT
GC/ECD	EPA 8081B	Aldrin
GC/ECD	EPA 8081B	alpha-BHC (alpha-Hexachlorocyclohexane)
GC/ECD	EPA 8081B	beta-BHC (beta-Hexachlorocyclohexane)
GC/ECD	EPA 8081B	delta-BHC
GC/ECD	EPA 8081B	gamma-BHC (Lindane gamma-Hexachlorocyclohexane)
GC/ECD	EPA 8081B	Chlordane (tech.)
GC/ECD	EPA 8081B	alpha-Chlordane
GC/ECD	EPA 8081B	gamma-Chlordane
GC/ECD	EPA 8081B	Dieldrin
GC/ECD	EPA 8081B	Endosulfan I
GC/ECD	EPA 8081B	Endosulfan II
GC/ECD	EPA 8081B	Endosulfan sulfate
GC/ECD	EPA 8081B	Endrin
GC/ECD	EPA 8081B	Endrin aldehyde
GC/ECD	EPA 8081B	Endrin ketone
GC/ECD	EPA 8081B	Heptachlor
GC/ECD	EPA 8081B	Heptachlor epoxide
GC/ECD	EPA 8081B	Methoxychlor
GC/ECD	EPA 8081B	Toxaphene (Chlorinated camphene)
GC/ECD	EPA 8082A	Aroclor-1016 (PCB-1016)
GC/ECD	EPA 8082A	Aroclor-1221 (PCB-1221)
GC/ECD	EPA 8082A	Aroclor-1232 (PCB-1232)
GC/ECD	EPA 8082A	Aroclor-1242 (PCB-1242)
GC/ECD	EPA 8082A	Aroclor-1248 (PCB-1248)
GC/ECD	EPA 8082A	Aroclor-1254 (PCB-1254)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/ECD	EPA 8082A	Aroclor-1260 (PCB-1260)
GC/ECD	EPA 8082A	Aroclor-1262 (PCB-1262)
GC/ECD	EPA 8082A	Aroclor-1268 (PCB-1268)
GC/FPD	EPA 8141B	Azinphos-methyl (Guthion)
GC/FPD	EPA 8141B	Bolstar (Sulprofos)
GC/FPD	EPA 8141B	Carbophenothion
GC/FPD	EPA 8141B	Chlorpyrifos
GC/FPD	EPA 8141B	Coumaphos
GC/FPD	EPA 8141B	Demeton-o
GC/FPD	EPA 8141B	Demeton-s
GC/FPD	EPA 8141B	Diazinon
GC/FPD	EPA 8141B	Dichlorovos (DDVP Dichlorvos)
GC/FPD	EPA 8141B	Dimethoate
GC/FPD	EPA 8141B	Disulfoton
GC/FPD	EPA 8141B	EPN
GC/FPD	EPA 8141B	Ethion
GC/FPD	EPA 8141B	Ethoprop
GC/FPD	EPA 8141B	Famphur
GC/FPD	EPA 8141B	Fensulfothion
GC/FPD	EPA 8141B	Fenthion
GC/FPD	EPA 8141B	Malathion
GC/FPD	EPA 8141B	Merphos
GC/FPD	EPA 8141B	Methyl parathion (Parathion methyl)
GC/FPD	EPA 8141B	Mevinphos
GC/FPD	EPA 8141B	Monocrotophos
GC/FPD	EPA 8141B	Naled
GC/FPD	EPA 8141B	Parathion ethyl
GC/FPD	EPA 8141B	Phorate
GC/FPD	EPA 8141B	Ronnel
GC/FPD	EPA 8141B	Stirofos
GC/FPD	EPA 8141B	Sulfotepp
GC/FPD	EPA 8141B	Tetraethyl pyrophosphate (TEPP)
GC/FPD	EPA 8141B	Thionazin (Zinophos)
GC/FPD	EPA 8141B	Tokuthion (Prothiophos)
GC/FPD	EPA 8141B	Trichloronate
GC/FPD	EPA 8141B	O,O,O-Triethyl phosphorothioate
GC/ECD	EPA 8151A	2,4,5-T

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/ECD	EPA 8151A	2,4-D
GC/ECD	EPA 8151A	2,4-DB
GC/ECD	EPA 8151A	Dalapon
GC/ECD	EPA 8151A	Dicamba
GC/ECD	EPA 8151A	Dichloroprop (Dichlorprop)
GC/ECD	EPA 8151A	Dinoseb (2-sec-butyl-4,6-dinitrophenol DNBP)
GC/ECD	EPA 8151A	MCPA
GC/ECD	EPA 8151A	MCPP
GC/ECD	EPA 8151A	Pentachlorophenol
GC/ECD	EPA 8151A	Silvex (2,4,5-TP)
GC/FID	FL-PRO	Total Petroleum Hydrocarbons (TPH)
GC/FID	MA-VPH	Volatile petroleum range organics (VPH)
GC/FID	MA-EPH	Extractable petroleum range organics (EPH)
GC/FID	IA-OA1	Gasoline range organics (GRO)
GC/FID	IA-OA2	Diesel range organics (DRO)
GC/FID	TN-GRO	Gasoline range organics (GRO)
GC/FID	TN-EPH	Extractable petroleum range organics (EPH)
GC/FID	AK-101	Gasoline range organics (GRO)
GC/FID	AK-102	Diesel range organics (DRO)
GC/FID	AK-103	Residual range organics (RRO)
GC/FID	OK-GRO	Gasoline range organics (GRO)
GC/FID	OK-DRO	Diesel range organics (DRO)
GC/FID	TX-1005	Total Petroleum Hydrocarbons (TPH)
GC/FID	KS LRH	Low-range Hydrocarbons (LRH)
GC/FID	KS MRH	Mid-Range Hydrocarbons (MRH)
GC/FID	KS HRH	High-Range Hydrocarbons (HRH)
GC/MS	EPA 8260B/C	1,1,1,2-Tetrachloroethane
GC/MS	EPA 8260B/C	1,1,1-Trichloroethane
GC/MS	EPA 8260B/C	1,1,2,2-Tetrachloroethane
GC/MS	EPA 8260B/C	1,1,2-Trichloroethane
GC/MS	EPA 8260B/C	1,1-Dichloroethane
GC/MS	EPA 8260B/C	1,1-Dichloroethylene
GC/MS	EPA 8260B/C	1,1-Dichloropropene
GC/MS	EPA 8260B/C	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8260B/C	1,2,3-Trichlorobenzene
GC/MS	EPA 8260B/C	1,2,3-Trichloropropane
GC/MS	EPA 8260B/C	1,2,4-Trichlorobenzene
GC/MS	EPA 8260B/C	1,2,4-Trimethylbenzene
GC/MS	EPA 8260B/C	1,2-Dibromo-3-chloropropane (DBCP)
GC/MS	EPA 8260B/C	1,2-Dibromoethane (EDB Ethylene dibromide)
GC/MS	EPA 8260B/C	1,2-Dichlorobenzene (o-Dichlorobenzene)
GC/MS	EPA 8260B/C	1,2-Dichloroethane
GC/MS	EPA 8260B/C	1,2-Dichloropropane
GC/MS	EPA 8260B/C	1,2-Dichlorotrifluoroethane (Freon 123)
GC/MS	EPA 8260B/C	1,3,5-Trimethylbenzene
GC/MS	EPA 8260B/C	1,3-Dichlorobenzene (m-Dichlorobenzene)
GC/MS	EPA 8260B/C	1,3-Dichloropropane
GC/MS	EPA 8260B/C	1,4-Dichlorobenzene (p-Dichlorobenzene)
GC/MS	EPA 8260B/C	1-Chlorohexane
GC/MS	EPA 8260B/C	2,2-Dichloropropane
GC/MS	EPA 8260B/C	2-Butanone (Methyl ethyl ketone MEK)
GC/MS	EPA 8260B/C	2-Chloroethyl vinyl ether
GC/MS	EPA 8260B/C	2-Chlorotoluene
GC/MS	EPA 8260B/C	2-Hexanone
GC/MS	EPA 8260B/C	2-Nitropropane
GC/MS	EPA 8260B/C	4-Chlorotoluene
GC/MS	EPA 8260B/C	4-Methyl-2-pentanone (MBK)
GC/MS	EPA 8260B/C	Acetone
GC/MS	EPA 8260B/C	Acetonitrile
GC/MS	EPA 8260B/C	Acrolein (Propenal)
GC/MS	EPA 8260B/C	Acrylonitrile
GC/MS	EPA 8260B/C	Allyl chloride (3-Chloropropene)
GC/MS	EPA 8260B/C	Benzene
GC/MS	EPA 8260B/C	Benzyl Chloride
GC/MS	EPA 8260B/C	Bromobenzene
GC/MS	EPA 8260B/C	Bromochloromethane
GC/MS	EPA 8260B/C	Bromodichloromethane
GC/MS	EPA 8260B/C	Bromoform
GC/MS	EPA 8260B/C	n-Butylbenzene
GC/MS	EPA 8260B/C	sec-Butylbenzene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8260B/C	tert-Butylbenzene
GC/MS	EPA 8260B/C	Carbon disulfide
GC/MS	EPA 8260B/C	Carbon tetrachloride
GC/MS	EPA 8260B/C	Chlorobenzene
GC/MS	EPA 8260B/C	Chloroethane
GC/MS	EPA 8260B/C	Chloroform
GC/MS	EPA 8260B/C	Chloroprene
GC/MS	EPA 8260B/C	Cyclohexane
GC/MS	EPA 8260B/C	Cyclohexanone
GC/MS	EPA 8260B/C	cis-1,2-Dichloroethylene
GC/MS	EPA 8260B/C	trans-1,2-Dichloroethylene
GC/MS	EPA 8260B/C	cis-1,3-Dichloropropene
GC/MS	EPA 8260B/C	trans-1,3-Dichloropropylene
GC/MS	EPA 8260B/C	cis-1,4-Dichloro-2-butene
GC/MS	EPA 8260B/C	trans-1,4-Dichloro-2-butene
GC/MS	EPA 8260B/C	Di-isopropylether (DIPE)
GC/MS	EPA 8260B/C	Dibromochloromethane
GC/MS	EPA 8260B/C	Dibromomethane (Methylene Bromide)
GC/MS	EPA 8260B/C	Dichlorodifluoromethane
GC/MS	EPA 8260B/C	Diethyl ether
GC/MS	EPA 8260B/C; EPA 8260B/C SIM	p-Dioxane (1,4-Dioxane)
GC/MS	EPA 8260B/C	Ethanol (Ethyl Alcohol)
GC/MS	EPA 8260B/C	Ethyl acetate
GC/MS	EPA 8260B/C	Ethyl methacrylate
GC/MS	EPA 8260B/C	Ethyl tert-butyl alcohol (ETBA)
GC/MS	EPA 8260B/C	Ethyl tert-butyl ether (ETBE)
GC/MS	EPA 8260B/C	Ethylbenzene
GC/MS	EPA 8260B/C	Ethylene Oxide
GC/MS	EPA 8260B/C	Hexachlorobutadiene
GC/MS	EPA 8260B/C	Hexane
GC/MS	EPA 8260B/C	Iodomethane (Methyl iodide)
GC/MS	EPA 8260B/C	Isobutyl alcohol (2-Methyl-1-propanol)
GC/MS	EPA 8260B/C	p-Isopropyltoluene
GC/MS	EPA 8260B/C	Isopropylbenzene
GC/MS	EPA 8260B/C	Methacrylonitrile
GC/MS	EPA 8260B/C	Methyl Acetate
GC/MS	EPA 8260B/C	Methyl bromide (Bromomethane)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8260B/C	Methyl chloride (Chloromethane)
GC/MS	EPA 8260B/C	Methylcyclohexane
GC/MS	EPA 8260B/C	Methyl methacrylate
GC/MS	EPA 8260B/C	Methyl tert-butyl ether (MTBE)
GC/MS	EPA 8260B/C	Methylene chloride
GC/MS	EPA 8260B/C	Naphthalene
GC/MS	EPA 8260B/C	Pentachloroethane
GC/MS	EPA 8260B/C	Propionitrile (Ethyl cyanide)
GC/MS	EPA 8260B/C	n-Propylbenzene
GC/MS	EPA 8260B/C	Styrene
GC/MS	EPA 8260B/C	tert-Amyl alcohol (TAA)
GC/MS	EPA 8260B/C	tert-Amyl methyl ether (TAME)
GC/MS	EPA 8260B/C	tert-Butyl alcohol (TBA)
GC/MS	EPA 8260B/C	tert-Butyl formate (TBF)
GC/MS	EPA 8260B/C	Tetrachloroethylene (Perchloroethylene)
GC/MS	EPA 8260B/C	Tetrahydrofuran
GC/MS	EPA 8260B/C	Toluene
GC/MS	EPA 8260B/C	Trichloroethene (Trichloroethylene)
GC/MS	EPA 8260B/C	Trichlorofluoromethane
GC/MS	EPA 8260B/C	Vinyl acetate
GC/MS	EPA 8260B/C	Vinyl chloride
GC/MS	EPA 8260B/C	Xylene (total)
GC/MS	EPA 8260B/C	m,p-Xylene
GC/MS	EPA 8260B/C	o-Xylene
GC/MS	EPA 8260B/C	1-Bromopropane
GC/MS	EPA 8260B/C	Isopropyl Alcohol
GC/MS	EPA 8260B/C	n-Butyl Alcohol
GC/MS	EPA 8270D	1,2,4,5-Tetrachlorobenzene
GC/MS	EPA 8270D	1,2,4-Trichlorobenzene
GC/MS	EPA 8270D	1,2-Dichlorobenzene (o-Dichlorobenzene)
GC/MS	EPA 8270D	1,2-Diphenylhydrazine
GC/MS	EPA 8270D	1,3,5-Trinitrobenzene (1,3,5-TNB)
GC/MS	EPA 8270D	1,3-Dichlorobenzene (m-Dichlorobenzene)
GC/MS	EPA 8270D	1,3-Dinitrobenzene (1,3-DNB)
GC/MS	EPA 8270D	1,4-Dichlorobenzene (p-Dichlorobenzene)
GC/MS	EPA 8270D	1,4-Dithiane
GC/MS	EPA 8270D	1,4-Oxathiane

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8270D	1,4-Naphthoquinone
GC/MS	EPA 8270D	1,4-Phenylenediamine
GC/MS	EPA 8270D	1-Chloronaphthalene
GC/MS	EPA 8270D; EPA 8270D SIM	1-Methylnaphthalene
GC/MS	EPA 8270D	1-Naphthylamine
GC/MS	EPA 8270D	2,3,4,6-Tetrachlorophenol
GC/MS	EPA 8270D	2,4,5-Trichlorophenol
GC/MS	EPA 8270D	2,4,6-Trichlorophenol
GC/MS	EPA 8270D	2,4-Dichlorophenol
GC/MS	EPA 8270D	2,4-Dimethylphenol
GC/MS	EPA 8270D	2,4-Dinitrophenol
GC/MS	EPA 8270D	2,4-Dinitrotoluene (2,4-DNT)
GC/MS	EPA 8270D	2,6-Dichlorophenol
GC/MS	EPA 8270D	2,6-Dinitrotoluene (2,6-DNT)
GC/MS	EPA 8270D	2-Acetylaminofluorene
GC/MS	EPA 8270D	2-Chloronaphthalene
GC/MS	EPA 8270D	2-Chlorophenol
GC/MS	EPA 8270D	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-o-cresol)
GC/MS	EPA 8270D; EPA 8270D SIM	2-Methylnaphthalene
GC/MS	EPA 8270D	2-Methylphenol (o-Cresol)
GC/MS	EPA 8270D	2-Naphthylamine
GC/MS	EPA 8270D	2-Nitroaniline
GC/MS	EPA 8270D	2-Nitrophenol
GC/MS	EPA 8270D	2-Picoline (2-Methylpyridine)
GC/MS	EPA 8270D	3,3`-Dichlorobenzidine
GC/MS	EPA 8270D	3,3`-Dimethylbenzidine
GC/MS	EPA 8270D	3-Methylcholanthrene
GC/MS	EPA 8270D	3&4-Methylphenol (m,p-Cresol)
GC/MS	EPA 8270D	3-Nitroaniline
GC/MS	EPA 8270D	4-Aminobiphenyl
GC/MS	EPA 8270D	4-Bromophenyl phenyl ether
GC/MS	EPA 8270D	4-Chloro-3-methylphenol
GC/MS	EPA 8270D	4-Chloroaniline
GC/MS	EPA 8270D	4-Chlorophenyl phenylether
GC/MS	EPA 8270D	4-Dimethyl aminoazobenzene
GC/MS	EPA 8270D	4-Nitroaniline

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8270D	4-Nitrophenol
GC/MS	EPA 8270D	4,4'-methylene-bis(2-chloroaniline)
GC/MS	EPA 8270D	5-Nitro-o-toluidine
GC/MS	EPA 8270D	7,12-Dimethylbenz(a) anthracene
GC/MS	EPA 8270D; EPA 8270D SIM	Acenaphthene
GC/MS	EPA 8270D; EPA 8270D SIM	Acenaphthylene
GC/MS	EPA 8270D	Acetophenone
GC/MS	EPA 8270D	Aniline
GC/MS	EPA 8270D	Anilazine
GC/MS	EPA 8270D; EPA 8270D SIM	Anthracene
GC/MS	EPA 8270D	Aramite
GC/MS	EPA 8270D	Atrazine
GC/MS	EPA 8270D	Benzaldehyde
GC/MS	EPA 8270D	Benzidine
GC/MS	EPA 8270D; EPA 8270D SIM	Benzo(a)anthracene
GC/MS	EPA 8270D; EPA 8270D SIM	Benzo(a)pyrene
GC/MS	EPA 8270D; EPA 8270D SIM	Benzo(b)fluoranthene
GC/MS	EPA 8270D; EPA 8270D SIM	Benzo(g,h,i)perylene
GC/MS	EPA 8270D; EPA 8270D SIM	Benzo(k)fluoranthene
GC/MS	EPA 8270D	Benzoic acid
GC/MS	EPA 8270D	Benzyl alcohol
GC/MS	EPA 8270D	Biphenyl (1,1'-Biphenyl)
GC/MS	EPA 8270D	bis(2-Chloroethoxy)methane
GC/MS	EPA 8270D	bis(2-Chloroethyl) ether
GC/MS	EPA 8270D	bis(2-Chloroisopropyl) ether (2,2`-Oxybis(1-chloropropane))
GC/MS	EPA 8270D	bis(2-Ethylhexyl) phthalate (DEHP)
GC/MS	EPA 8270D	Butyl benzyl phthalate
GC/MS	EPA 8270D	Carbazole
GC/MS	EPA 8270D	Caprolactam
GC/MS	EPA 8270D	Chlorobenzilate
GC/MS	EPA 8270D; EPA 8270D SIM	Chrysene
GC/MS	EPA 8270D	Diallate
GC/MS	EPA 8270D	Dinoseb
GC/MS	EPA 8270D	Di-n-butyl phthalate
GC/MS	EPA 8270D	Di-n-octyl phthalate
GC/MS	EPA 8270D; EPA 8270D SIM	Dibenz(a,h)anthracene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8270D	Dibenz(a,j)acridine
GC/MS	EPA 8270D	Dibenzofuran
GC/MS	EPA 8270D	Diethyl phthalate
GC/MS	EPA 8270D	Dimethyl phthalate
GC/MS	EPA 8270D	a,a-Dimethylphenethylamine
GC/MS	EPA 8270D	Diphenyl Ether
GC/MS	EPA 8270D	p-Dioxane (1,4-Dioxane)
GC/MS	EPA 8270D	Ethyl methanesulfonate
GC/MS	EPA 8270D; EPA 8270D SIM	Fluoranthene
GC/MS	EPA 8270D; EPA 8270D SIM	Fluorene
GC/MS	EPA 8270D	Hexachlorobenzene
GC/MS	EPA 8270D	Hexachlorobutadiene
GC/MS	EPA 8270D	Hexachlorocyclopentadiene
GC/MS	EPA 8270D	Hexachloroethane
GC/MS	EPA 8270D	Hexachlorophene
GC/MS	EPA 8270D	Hexachloropropene
GC/MS	EPA 8270D; EPA 8270D SIM	Indeno(1,2,3-cd)pyrene
GC/MS	EPA 8270D	Isodrin
GC/MS	EPA 8270D	Isophorone
GC/MS	EPA 8270D	Isosafrole
GC/MS	EPA 8270D	Kepone
GC/MS	EPA 8270D	Methapyrilene
GC/MS	EPA 8270D	Methyl methanesulfonate
GC/MS	EPA 8270D; EPA 8270D SIM	Naphthalene
GC/MS	EPA 8270D	Nicotine
GC/MS	EPA 8270D	Nitrobenzene
GC/MS	EPA 8270D	Nitroquinoline-1-oxide
GC/MS	EPA 8270D	n-Nitroso-di-n-butylamine
GC/MS	EPA 8270D	n-Nitrosodi-n-propylamine
GC/MS	EPA 8270D	n-Nitrosodiethylamine
GC/MS	EPA 8270D	n-Nitrosodimethylamine
GC/MS	EPA 8270D	n-Nitrosodiphenylamine
GC/MS	EPA 8270D	n-Nitrosodiphenylamine/Diphenylamine (analyte pair)
GC/MS	EPA 8270D	n-Nitrosomethylethylamine
GC/MS	EPA 8270D	n-Nitrosomorpholine
GC/MS	EPA 8270D	n-Nitrosopiperidine

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC/MS	EPA 8270D	n-Nitrosopyrrolidine
GC/MS	EPA 8270D	Pentachlorobenzene
GC/MS	EPA 8270D	Pentachloroethane
GC/MS	EPA 8270D	Pentachloronitrobenzene
GC/MS	EPA 8270D; EPA 8270D SIM	Pentachlorophenol
GC/MS	EPA 8270D	Phenacetin
GC/MS	EPA 8270D; EPA 8270D SIM	Phenanthrene
GC/MS	EPA 8270D	Phenol
GC/MS	EPA 8270D	Pronamide (Kerb)
GC/MS	EPA 8270D	Propazine
GC/MS	EPA 8270D; EPA 8270D SIM	Pyrene
GC/MS	EPA 8270D	Pyridine
GC/MS	EPA 8270D	Resorcinol
GC/MS	EPA 8270D	Safrole
GC/MS	EPA 8270D	Simazine
GC/MS	EPA 8270D	o-Toluidine
GC/MS	EPA 8270D	Dimethoate
GC/MS	EPA 8270D	Disulfoton
GC/MS	EPA 8270D	Famphur
GC/MS	EPA 8270D	Methyl parathion (Parathion methyl)
GC/MS	EPA 8270D	Parathion ethyl
GC/MS	EPA 8270D	Phorate
GC/MS	EPA 8270D	Sulfotepp
GC/MS	EPA 8270D	Thionazin (Zinophos)
GC/MS	EPA 8270D	O,O,O-Triethyl phosphorothioate
HPLC	EPA 8330A/B	1,3,5-Trinitrobenzene (1,3,5-TNB)
HPLC	EPA 8330A/B	1,3-Dinitrobenzene (1,3-DNB)
HPLC	EPA 8330A/B	2,4,6-Trinitrotoluene (2,4,6-TNT)
HPLC	EPA 8330A/B	2,4-Dinitrotoluene (2,4-DNT)
HPLC	EPA 8330A/B	2,6-Dinitrotoluene (2,6-DNT)
HPLC	EPA 8330A/B	2-Amino-4,6-dinitrotoluene (2-am-dnt)
HPLC	EPA 8330A/B	2-Nitrotoluene
HPLC	EPA 8330A/B	3,5-Dinitroaniline
HPLC	EPA 8330A/B	3-Nitrotoluene
HPLC	EPA 8330A/B	4-Amino-2,6-dinitrotoluene (4-am-dnt)
HPLC	EPA 8330A/B	4-Nitrotoluene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
HPLC	EPA 8330A/B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
HPLC	EPA 8330A/B	Nitrobenzene
HPLC	EPA 8330A/B	Nitroglycerin
HPLC	EPA 8330A/B	Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
HPLC	EPA 8330A/B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
HPLC	EPA 8330A/B	Pentaerythritoltetranitrate (PETN)
HPLC	EPA 8330A	2,2',6,6'-Tetranitro-4,4'-azoxytoluene
HPLC	EPA 8330A/B	2-amino-6-Nitrotoluene
HPLC	EPA 8330A/B	4-amino-2-Nitrotoluene
HPLC	EPA 8330A/B	2-amino-4-Nitrotoluene
HPLC	EPA 8330A/B	2,4-diamino-6-Nitrotoluene
HPLC	EPA 8330A/B	2,6-diamino-4-Nitrotoluene
HPLC	EPA 8330A/B	DNX
HPLC	EPA 8330A/B	MNX
HPLC	EPA 8330A/B	TNX
HPLC	EPA 8330A	Nitroguanidine
HPLC	EPA 8330A	Guanidine Nitrate
LC/MS/MS	EPA 6850	Perchlorate
LC/MS/MS	EPA 537 MOD[2]	Perfluorobutanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoropentanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorohexanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoroheptanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorononanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorodecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoroundecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorododecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorotridecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorotetradecanoic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorononanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorobutanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorohexanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorooctanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluorodecanesulfonic Acid
LC/MS/MS	EPA 537 MOD[2]	Perfluoropentanesulfonic Acid

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
LC/MS/MS	EPA 537 MOD²	Perfluoroheptanesulfonic acid
LC/MS/MS	EPA 537 MOD²	Perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD²	N-Methyl perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD²	N-Ethyl perfluorooctane sulfonamide
LC/MS/MS	EPA 537 MOD²	Perfluoro-1-octanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD²	N-Methyl perfluorooctanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD²	N-Ethyl perfluorooctanesulfonamidoacetic acid
LC/MS/MS	EPA 537 MOD²	N-Methyl perfluorooctane sulfonamidoethanol
LC/MS/MS	EPA 537 MOD²	4:2 Fluorotelomer Sulfonate
LC/MS/MS	EPA 537 MOD²	N-Ethyl perfluorooctane sulfonamidoethanol
LC/MS/MS	EPA 537 MOD²	6:2 Fluorotelomer Sulfonate
LC/MS/MS	EPA 537 MOD²	8:2 Fluorotelomer Sulfonate
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorobutanoic Acid (PFBA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoropentanoic Acid (PFPeA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-1515	Perfluorohexanoic Acid (PFHxA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroheptanoic Acid (PFHpA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctanoic Acid (PFOA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorononanoic Acid (PFNA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorodecanoic Acid (PFDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroundecanoic Acid (PFUnA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorododecanoic Acid(PFDoA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorotridecanoic Acid (PFTrDA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorotetradecanoic Acid (PFTA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorobutanesulfonic Acid (PFBS)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorohexanesulfonic Acid(PFHxS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctanesulfonic Acid(PFOS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorononanesulfonic Acid(PFNS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorodecanesulfonic Acid(PFDS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoroheptanesulfonic acid(PFHpS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluoropentanesulfonic Acid(PFPeS)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	Perfluorooctane sulfonamide (PFOSA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	N-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	N-Ethyl perfluorooctanesulfonamidoacetic acid (EtFOSAA)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	4:2 Fluorotelomer Sulfonate (FTS 4:2)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	6:2 Fluorotelomer Sulfonate(FTS 6:2)
LC/MS/MS	PFAS by LCMSMS Compliant with QSM 5.1 Table B-15	8:2 Fluorotelomer Sulfonate (FTS 8:2)
ICP	EPA 6010C/D	Aluminum
ICP	EPA 6010C/D	Antimony
ICP	EPA 6010C/D	Arsenic
ICP	EPA 6010C/D	Barium
ICP	EPA 6010C/D	Beryllium
ICP	EPA 6010C/D	Cadmium
ICP	EPA 6010C/D	Calcium
ICP	EPA 6010C/D	Chromium
ICP	EPA 6010C/D	Cobalt
ICP	EPA 6010C/D	Copper
ICP	EPA 6010C/D	Iron
ICP	EPA 6010C/D	Lead
ICP	EPA 6010C/D	Magnesium
ICP	EPA 6010C/D	Manganese
ICP	EPA 6010C/D	Molybdenum

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP	EPA 6010C/D	Nickel
ICP	EPA 6010C/D	Potassium
ICP	EPA 6010C/D	Selenium
ICP	EPA 6010C/D	Silver
ICP	EPA 6010C/D	Sodium
ICP	EPA 6010C/D	Strontium
ICP	EPA 6010C/D	Thallium
ICP	EPA 6010C/D	Tin
ICP	EPA 6010C/D	Titanium
ICP	EPA 6010C/D	Vanadium
ICP	EPA 6010C/D	Zinc
ICP/MS	EPA 6020A/B	Aluminum
ICP/MS	EPA 6020A/B	Antimony
ICP/MS	EPA 6020A/B	Arsenic
ICP/MS	EPA 6020A/B	Barium
ICP/MS	EPA 6020A/B	Beryllium
ICP/MS	EPA 6020A/B	Cadmium
ICP/MS	EPA 6020A/B	Calcium
ICP/MS	EPA 6020A/B	Chromium
ICP/MS	EPA 6020A/B	Cobalt
ICP/MS	EPA 6020A/B	Copper
ICP/MS	EPA 6020A/B	Iron
ICP/MS	EPA 6020A/B	Lead
ICP/MS	EPA 6020A/B	Magnesium
ICP/MS	EPA 6020A/B	Manganese
ICP/MS	EPA 6020A/B	Molybdenum
ICP/MS	EPA 6020A/B	Nickel
ICP/MS	EPA 6020A/B	Potassium
ICP/MS	EPA 6020A/B	Selenium
ICP/MS	EPA 6020A/B	Silver
ICP/MS	EPA 6020A/B	Sodium
ICP/MS	EPA 6020A/B	Strontium
ICP/MS	EPA 6020A/B	Thallium
ICP/MS	EPA 6020A/B	Tin
ICP/MS	EPA 6020A/B	Titanium
ICP/MS	EPA 6020A/B	Vanadium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP/MS	EPA 6020A/B	Zinc
CVAA	EPA 7471B	Mercury
UV/VIS	EPA 7196A	Hexavalent Chromium (Cr6+)
UV/VIS	EPA 9012B	Cyanide (Total)
IC	EPA 9056A	Bromide
IC	EPA 9056A	Chloride
IC	EPA 9056A	Fluoride
IC	EPA 9056A	Nitrate
IC	EPA 9056A	Nitrite
IC	EPA 9056A	Sulfate
IC	EPA 9056A	Total nitrate-nitrite
Gravimetric Methods	SM 2540G	% solids
Electrometric Methods	EPA 9045D	Hydrogen Ion (pH)
Ignitability	EPA 1010A MOD	Flash Point
Waste Characterization	EPA Ch.7	Reactive Cyanide and Reactive Sulfide
Waste Characterization	EPA Section 7.3	Reactive Cyanide
Waste Characterization	EPA Section 7.3	Reactive Sulfide
Preparation	**Method**	**Type**
Organics Preparation	EPA 3510C	Separatory Funnel Liquid-Liquid Extraction; Leachates
TCLP Preparation	EPA 1311	Toxicity Characteristic Leaching Procedure
SPLP Preparation	EPA 1312	Synthetic Precipitation Leaching Procedure
Organics Preparation	EPA 8011	Microextraction
Organics Preparation	EPA 3546	Microwave Extraction
Organics Preparation	EPA 3550C	Ultrasonic Extraction
Organics Preparation	EPA 3580A	Waste Dilution for Extractable Organics
Organics Preparation	EPA 8330A; EPA 8332	Ultrasonic Extraction
Organics Preparation	EPA 8330B	Shaker Table Extraction
Volatile Organics Preparation	EPA 3585	Waste Dilution for Volatile Organics
Volatile Organics Preparation	EPA 5030A	Closed System Purge and Trap; Bulk Soils
Volatile Organics Preparation	EPA 5030B	Closed System Purge and Trap; Leachates and Methanol Extracts
Volatile Organics Preparation	EPA 5035; EPA 5035A	Closed System Purge and Trap
Organics Cleanup	EPA 3660B	Sulfur Cleanup

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
Organics Cleanup	EPA 3665A	Sulfuric Acid Cleanup
Lachat MicroDistillation	EPA 9012B	Cyanide MicroDistillation; proprietary method
Inorganic Preparation	EPA 3010A	Metals Acid Digestion by Hotblock; Leachates
Inorganic Preparation	EPA 3050B	Metals Acid Digestion by Hotblock
Inorganic Preparation	EPA 3060A	Alkaline Digestion, Cr6+
Inorganic Preparation	EPA 7470A	CVAA Digestion by Hotblock; Leachates
Inorganic Preparation	EPA 7471B	CVAA Digestion by Hotblock

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2229
2. Not compliant with QSM V5.1.1 Table B-15

Vice President

SGS Wilmington
DoD Certification

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SGS NORTH AMERICA INC. – WILMINGTON
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Wilmington, NC 28411
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Jeannie.milholland@sgs.com

ENVIRONMENTAL

Valid To: April 30, 2020 Certificate Number: 2726.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.1 of the DoD Quality Systems Manual for Environmental Laboratories) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies: Gas Chromatography, High Resolution Gas Chromatography/High Resolution Mass Spectrometry, High Pressure Liquid Chromatography/ Mass Spectrometry/ Mass Spectrometry

Parameter/Analyte	**Potable Water**
Perfluoro-1-heptanesulfonate (PFHpS)	EPA 537
Perfluoro-1-octanesulfonate (PFOS)	EPA 537
Perfluoro-1-decanesulfonate (PFDS)	EPA 537
Perfluoro-n-pentanoic acid (PFPeA)	EPA 537
Perfluoro-n-hexanoic acid (PFHxA)	EPA 537
Perfluoro-n-heptanoic acid (PFHpA)	EPA 537
Perfluoro-n-octanoic acid (PFOA)	EPA 537
Perfluoro-n-nonanoic acid (PFNA)	EPA 537
Perfluoro-n-decanoic acid (PFDA)	EPA 537
Perfluoro-n-undecanoic acid (PFUnA)	EPA 537
Perfluoro-n-dodecanoic acid (PFDoA)	EPA 537
Perfluoro-n-tridecanoic acid (PFTriA)	EPA 537
Perfluoro-n-tetradecanoic acid (PFTreA)	EPA 537
Perfluoro-n-butanoic acid (PFBA)	EPA 537
1H, 1H, 2H, 2H-perfluorotane sulfonate (6:2 FTS)	EPA 537
1H, 1H, 2H, 2H- perfluorodecane sulfonate (8:2 FTS)	EPA 537
N-methylperfluoro-1- octanesulfonamidoacetic acid (NMeFOSAA)	EPA 537
N-ethylperfluoro-1-octanesulfonamidoacetic acid (NEtFOSAA)	EPA 537
Perfluoro-1-butanesulfonate (PFBS)	EPA 537
Perfluoro-1-hexanesulfonate (PFHxS)	EPA 537

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
PCBs			
PCB 1	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 2	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 3	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 4	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 5	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 6	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 7	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 8	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 9	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 10	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 11	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 12	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 13	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 14	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 15	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 16	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 17	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 18	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 19	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 20	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 21	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 22	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 73	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 74	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 75	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 76	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 77	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 78	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 79	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 80	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 81	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 82	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 83	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 84	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 85	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 86	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 87	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 88	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 89	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 90	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 91	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 92	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 93	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 94	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 95	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 96	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 97	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
PCB 98	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 99	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 100	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 101	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 102	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 103	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 104	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 105	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 106	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 107	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 108	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 109	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 110	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 111	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 112	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 113	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 114	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 115	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 116	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 117	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 118	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 119	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 120	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 121	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 122	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 123	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 124	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 125	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 126	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 127	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 128	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 129	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 130	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 131	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 132	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 133	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 134	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 135	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 136	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 137	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 138	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 139	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 140	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 141	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 142	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 143	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 144	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 145	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
PCB 146	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 147	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 148	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 149	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 150	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 151	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 152	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 153	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 154	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 155	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 156	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 157	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 158	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 159	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 160	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 161	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 162	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 163	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 164	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 165	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 166	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 167	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 168	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 169	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 170	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 171	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 172	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 173	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 174	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 175	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 176	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 177	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 178	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 179	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 180	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 181	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 182	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 183	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 184	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 185	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 186	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 187	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 188	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 189	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 190	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 191	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 192	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 193	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
PCB 194	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 195	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 196	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 197	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 198	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 199	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 200	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 201	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 202	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 203	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 204	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 205	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 206	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 207	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 208	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
PCB 209	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total MoCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total DiCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total TriCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total TeCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total PeCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total HxCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total HpCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total OcCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total NoCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total MoCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total DiCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total TriCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total TeCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total PeCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total HxCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total HpCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total OcCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Total NoCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C
Sample Preparation	Liquid Liquid Extraction 3520C	Liquid Extraction 3520C, Soxhlet 3540C, 3620C, 3630C, 3650B, 3665A	Liquid Extraction 3520C, Soxhlet 3540C, 3620C, 3630C, 3650B, 3665A
Dioxins/Furans			
2,3,7,8-TCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,7,8-PeCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,4,7,8-HxCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,6,7,8-HxCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
1,2,3,7,8,9-HxCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,4,6,7,8-HpCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
OCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
2,3,7,8-TCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,7,8-PeCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
2,3,4,7,8-PeCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,4,7,8-HxCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,6,7,8-HxCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,7,8,9-HxCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
2,3,4,6,7,8-HxCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,4,6,7,8-HpCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
1,2,3,4,7,8,9-HpCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
OCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total TeCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total PeCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HxCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HpCDF	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total TeCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total PeCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HxCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HpCDD	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total TeCDF + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total PeCDF + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HxCDF + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A

Parameter/Analyte	Non-Potable Water	Solid Hazardous Waste	
		Aqueous	Solid
Total HpCDF + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total TeCDD + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total PeCDD + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HxCDD + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Total HpCDD + EMPC	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A	EPA 1613B EPA 8290A
Sample Preparation	Liquid/Liquid 3520C	Liquid Extraction 3520C, Soxhlet 3540C, 3620C, 3630C, 3650B	Liquid Extraction 3520C, Soxhlet 3540C, 3620C, 3630C, 3650B

CHEMICAL

In addition, in recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Parameter/Analyte	Non-potable Water	Aqueous Hazardous Waste	Solid Hazardous Waste
Pesticides			
HxCBz	EPA 1699	EPA 1699	EPA 1699
α-HCH	EPA 1699	EPA 1699	EPA 1699
β-HCH	EPA 1699	EPA 1699	EPA 1699
γ-HCH (Lindane)	EPA 1699	EPA 1699	EPA 1699
δ-HCH	EPA 1699	EPA 1699	EPA 1699
Heptachlor	EPA 1699	EPA 1699	EPA 1699
Aldrin	EPA 1699	EPA 1699	EPA 1699
Oxychlordane	EPA 1699	EPA 1699	EPA 1699
Heptachlor Epoxide	EPA 1699	EPA 1699	EPA 1699
trans-Chlordane	EPA 1699	EPA 1699	EPA 1699
cis-Chlordane	EPA 1699	EPA 1699	EPA 1699
o,p'-DDE	EPA 1699	EPA 1699	EPA 1699
p,p'-DDE	EPA 1699	EPA 1699	EPA 1699
Endosulfan I	EPA 1699	EPA 1699	EPA 1699
trans-Nonachlor	EPA 1699	EPA 1699	EPA 1699
Dieldrin	EPA 1699	EPA 1699	EPA 1699
Endrin	EPA 1699	EPA 1699	EPA 1699
cis-Nonachlor	EPA 1699	EPA 1699	EPA 1699
o,p'-DDD	EPA 1699	EPA 1699	EPA 1699
p,p'-DDD	EPA 1699	EPA 1699	EPA 1699
o,p'-DDT	EPA 1699	EPA 1699	EPA 1699
p,p'-DDT	EPA 1699	EPA 1699	EPA 1699
Endosulfan II	EPA 1699	EPA 1699	EPA 1699
Endosulfan Sulfate	EPA 1699	EPA 1699	EPA 1699
Endrin Aldehyde	EPA 1699	EPA 1699	EPA 1699

Parameter/Analyte	Non-potable Water	Aqueous Hazardous Waste	Solid Hazardous Waste
Endrin Ketone	EPA 1699	EPA 1699	EPA 1699
Methoxychlor	EPA 1699	EPA 1699	EPA 1699
Mirex	EPA 1699	EPA 1699	EPA 1699
Sample Prep	EPA 3520C	EPA 3630C, 3640B, 3520C	EPA 3630C, 3640B, 3540C

Parameter/Analyte	Air
Semi-Volatiles	
2-Methyl-Naphthalene	SOP AP-CM4/GC/HRMS
Acenaphthene	SOP AP-CM4/GC/HRMS
Acenaphthylene	SOP AP-CM4/GC/HRMS
Anthracene	SOP AP-CM4/GC/HRMS
Benzo(a)anthracene	SOP AP-CM4/GC/HRMS
Benzo(a)pyrene	SOP AP-CM4/GC/HRMS
Benzo(e)pyrene	SOP AP-CM4/GC/HRMS
Benzo(b)-fluoranthene	SOP AP-CM4/GC/HRMS
Benzo(g,h,i)-perylene	SOP AP-CM4/GC/HRMS
Benzo(k)-fluoranthene	SOP AP-CM4/GC/HRMS
Chrysene	SOP AP-CM4/GC/HRMS
Dibenz(a,h)anthracene	SOP AP-CM4/GC/HRMS
Fluoranthene	SOP AP-CM4/GC/HRMS
Fluorene	SOP AP-CM4/GC/HRMS
Indeno(1,2,3-cd)pyrene	SOP AP-CM4/GC/HRMS
Naphthalene	SOP AP-CM4/GC/HRMS
Perylene	SOP AP-CM4/GC/HRMS
Phenanthrene	SOP AP-CM4/GC/HRMS
Pyrene	SOP AP-CM4/GC/HRMS
PAH Cleanup	EPA 3630C, 3540C, 3520C*

*impinger solutions

Parameter/Analyte	Food	Tissue	Air
Dioxins/Furans			
2,3,7,8-TCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8-PeCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,6,7,8-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8,9-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,6,7,8-HpCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23

Parameter/Analyte	Food	Tissue	Air
OCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,7,8-TCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8-PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,4,7,8-PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,6,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8,9-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,4,6,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,6,7,8-HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8,9-HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
OCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total TeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,7,8-TCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8-PeCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,6,7,8-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8,9-HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,6,7,8-HpCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
OCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,7,8-TCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23

Parameter/Analyte	Food	Tissue	Air
1,2,3,7,8-PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A; EPA 23
2,3,4,7,8-PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,6,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,7,8,9-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
2,3,4,6,7,8-HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,6,7,8-HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
1,2,3,4,7,8,9-HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
OCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total TeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total PeCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HxCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HpCDF	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total TeCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total PeCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HxCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HpCDD	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total TeCDF + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total PeCDF + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HxCDF + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HpCDF + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total TeCDD + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total PeCDD + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23

Parameter/Analyte	Food	Tissue	Air
Total HxCDD + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Total HpCDD + EMPC	EPA 1613B	EPA 1613B EPA 8290A	TO-9A EPA 23
Sample Preparation	Soxhlet 3540C, Liquid/Liquid 3520C, 3620C, 3630C, 3650B	Soxhlet 3540C, 3620C,3630C,3650B	Soxhlet 3540C
PCBs			
PCB 1	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 2	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 3	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 4	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 5	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 6	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 7	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 8	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 9	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 10	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 11	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 12	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 13	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 14	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 15	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 16	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 17	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 18	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 19	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 20	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 21	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 22	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 73	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 74	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 75	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 76	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 77	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 78	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 79	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 80	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 81	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 82	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 83	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 84	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 85	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 86	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 87	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 88	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 89	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 90	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A

Parameter/Analyte	Food	Tissue	Air
PCB 91	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 92	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 93	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 94	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 95	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 96	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 97	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 98	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 99	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 100	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 101	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 102	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 103	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 104	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 105	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 106	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 107	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 108	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 109	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 110	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 111	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 112	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 113	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 114	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 115	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 116	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 117	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 118	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 119	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 120	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 121	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 122	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 123	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 124	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 125	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 126	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 127	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 128	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 129	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 130	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 131	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 132	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 133	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 134	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 135	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 136	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 137	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 138	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A

Parameter/Analyte	Food	Tissue	Air
PCB 139	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 140	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 141	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 142	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 143	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 144	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 145	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 146	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 147	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 148	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 149	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 150	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 151	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 152	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 153	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 154	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 155	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 156	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 157	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 158	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 159	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 160	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 161	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 162	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 163	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 164	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 165	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 166	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 167	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 168	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 169	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 170	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 171	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 172	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 173	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 174	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 175	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 176	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 177	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 178	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 179	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 180	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 181	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 182	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 183	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 184	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 185	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A

Parameter/Analyte	Food	Tissue	Air
PCB 186	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 187	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 188	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 189	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 190	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 191	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 192	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 193	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 194	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 195	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 196	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 197	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 198	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 199	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 200	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 201	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 202	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 203	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 204	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 205	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 206	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 207	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 208	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
PCB 209	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total MoCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total DiCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total TriCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total TeCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total PeCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total HxCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total HpCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total OcCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total NoCB	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total MoCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total DiCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total TriCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total TeCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total PeCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total HxCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total HpCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total OcCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Total NoCB + EMPC	EPA 1668A/1668B/1668C	EPA 1668A/1668B/1668C	TO-9A
Sample Preparation	Soxhlet 3540C, Liquid/Liquid 3520C, 3620C, 3630C, 3650B	Soxhlet 3540C, 3620C, 3630C, 3650B	Soxhlet 3540C

Parameter/Analyte	Food
Pesticides	
HxCBz	EPA 1699
α-HCH	EPA 1699
β-HCH	EPA 1699
γ-HCH (Lindane)	EPA 1699
δ-HCH	EPA 1699
Heptachlor	EPA 1699
Aldrin	EPA 1699
Oxychlordane	EPA 1699
Heptachlor Epoxide	EPA 1699
trans-Chlordane	EPA 1699
cis-Chlordane	EPA 1699
o,p'-DDE	EPA 1699
p,p'-DDE	EPA 1699
Endosulfan I	EPA 1699
trans-Nonachlor	EPA 1699
Dieldrin	EPA 1699
Endrin	EPA 1699
cis-Nonachlor	EPA 1699
o,p'-DDD	EPA 1699
p,p'-DDD	EPA 1699
o,p'-DDT	EPA 1699
p,p'-DDT	EPA 1699
Endosulfan II	EPA 1699
Endosulfan Sulfate	EPA 1699
Endrin Aldehyde	EPA 1699
Endrin Ketone	EPA 1699
Methoxychlor	EPA 1699
Mirex	EPA 1699
Sample Preparation	Soxhlet 3540C, Liquid/Liquid 3520C, 3640A

Accredited Laboratory

A2LA has accredited

SGS NORTH AMERICA INC. - WILMINGTON

Wilmington, NC

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2009 TNI Environmental Testing Laboratory Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in version 5.0 of the DoD Quality System Manual for Environmental Laboratories (QSM), accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 8th day of June 2016.

President and CEO
For the Accreditation Council
Certificate Number 2726.01
Valid to May 31, 2018
Revised April 23, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.

Past Involvement with Similar Projects

Past Involvement with Similar Projects

An example of a PFAS drinking water project that was managed through SGS Orlando, Florida, but analyzed at SGS in Wilmington, North Carolina is PFAS Analysis for the City of Stuart Water Treatment Facility. The project Manager for SGS Orlando was Andrea Colby.

Client: City of Stuart Water Treatment Facility
Address: 1002 SE Palm Beach Rd, Stuart, FL 34994
Telephone number: 772-288-5343
Project Title: PFAS Analysis
Contact Person: Mike Woodside

An example of a PFAS soil and non-potable water project that was managed through SGS Orlando, Florida is Fire Training Safety Complex; 800 SE MLK Blvd, Stuart, FL. The project Manager for SGS Orlando was Andrea Colby.

Client: City of Stuart Water Treatment Facility
Address: 1002 SE Palm Beach Rd, Stuart, FL 34994
Telephone number: 772-288-5343
Project Title: Fire Training Safety Complex; 800 SE MLK Blvd, Stuart, FL
Contact Person: Mike Woodside

An example of a PFAS drinking water and non-potable water project that was managed through SGS Orlando, Florida is Luke AFB, Arizona. The project Manager for SGS Orlando was Andrea Colby.

Client: Wood Environment & Infrastructure Soln.
Address: 7376 SW Durham Rd., Portland, OR 97224
Telephone number: 503.639.3400
Project Title: Luke AFB, AZ
Contact Person: Marie Bevier

An example of a PFAS soil, sediment and non-potable water project that was managed through SGS Orlando, Florida is Air Force Plant 42; Palmdale, CA. The project Manager for SGS Orlando was Andrea Colby.

Client: Wood Environment & Infrastructure Soln.
Address: 7376 SW Durham Rd., Portland, OR 97224
Telephone number: 503.639.3400
Project Title: Air Force Plant 42; Palmdale, CA
Contact Person: Marie Bevier

Proposed Work Plan

Proposed Work Plan

All samples would be managed out of SGS Orlando, Florida laboratory by Andrea Colby (project manager). Andrea would function as the day-to-day contact for project setup, kit requests, project status, data package and EDD delivery, technical questions, and invoicing. SGS Orlando would analyze PFAS for the following matrices: non-potable water, foam, solids, biosolids and some potable water. SGS Wilmington will analyze PFAS in potable water. All samples will be shipping by client to SGS in Orlando, Florida. Andrea Colby will then subcontract samples, as needed, internally, the appropriate SGS laboratory. The final report will clearly reflect which SGS laboratory analyzed the samples.

New orders will be processed by Andrea Colby. The new order procedure includes mechanisms for providing sampling containers to clients. These containers must meet the size, cleanliness, and preservation specifications for the analysis to be performed.

For new orders, Andrea prepares a bottle request form, which is submitted to sample management department. This form provides critical project details to the sample management staff, which are used to prepare and assemble the sample bottles for shipment to the client prior to sampling.

The bottle order is assembled using bottles that meet USEPA specifications for contaminant-free sample containers. SGS checks all sample containers for cleanliness. Data are reviewed by both the analyst and sample management technician. Results of bottle analyses are retained for minimum of 5 years.

All preservative solutions are prepared in the laboratory and are checked to assure that they are free of contamination from analytes of interest before being released for use. Sample management department retains a copy of the documentation of in-house contamination checks.

Reagent water for trip and field blanks is poured into appropriately labeled containers. Sample bottleware is labeled with durable labels printed on waterproof printing medium with indelible laser or heat transfer printer ink. All bottles are packed into ice chests with blank chain of custody forms and the original bottle order form. Completed bottle orders would be delivered to the City of Ann arbor via a commercial carrier for use in field sample collection.

Samples would be delivered to the laboratory using a commercial shipper. Documented procedures are followed for arriving samples to assure that custody and integrity are maintained and that all handling and preservation requirements are documented and continued.

The SGS Orlando facility is defined as a secure facility. Perimeter security has been established, which limits access to authorized individuals only. Visitors enter the facility through the building lobby and must register with the receptionist prior to entering controlled areas. While in the facility, visitors must be accompanied by their hosts at all times. After hours, building access is controlled using a computerized pass-key reader system. This system limits building access to individuals with a pre-assigned authorization status. After hours visitors are not authorized to be in the building. Clients delivering samples after hours must make advanced arrangements through client services and sample management to assure that staff is available to take delivery and maintain custody.

Upon arrival at SGS Orlando, the sample custodian reviews the chain of custody and generates Sample Receipt Confirmation form for the samples received to verify that the information on the form corresponds with the samples delivered. This includes verification that all listed samples are present and properly labeled, checks to verify that samples were transported and received at the required temperature, verification that the sample was received in proper containers, verification that sufficient volume is available to conduct the requested analysis, and a check of individual sample containers to verify test specific preservation requirements including the absence of headspace for volatile compound analysis.

Sample conditions and other observations are documented on the Sample Receipt Confirmation form by the sample custodian prior to completing acceptance of custody. The sample custodian accepts sample custody upon verification that the custody document is correct. Discrepancies or non-compliant situations are documented, flagged and communicated to

Andrea Colby, who contacts the client for resolution. The resolution is documented and communicated to sample management for execution.

Following sample custody transfer to the laboratory, the documentation that describes the client's analytical requirements are delivered to the sample login group for coding and entry to the Laboratory Information management System (LIMS). This process translates all information related to collection time, turnaround time, sample analysis, and deliverables into a code which enables client requirements to be electronically distributed to the various departments within the laboratory for scheduling and execution.

The technical staff is alerted to client or project specific requirements through the use of a unique project code that is electronically attached to the job during login. The unique project code directs the technical staff to controlled specifications documents detailing the unique requirements.

Prior to the release of data to the client, laboratory section managers and the report generation staff review the report and compare the completed product to the client specifications documentation to assure that all requirements have been met. Project managers perform a spot check of projects with unique requirements to assure that the work was executed according to specifications. Reports are delivered via e-mail.

Report and invoices are uniquely linked together by a project number on the report and on the corresponding invoice. For SGS Orlando the number will be the letters FA, followed by a series of numbers, for example FA12345. All analytical results are uploaded to the LIMS directly from the analytical instrument. Once all methods have gone through the final quality and project management review, data packages (e-Hardcopy) and electronic data deliverables (EDDs) are generated from the LIMS and emailed to the client.

SGS has an online platform, LabLink®. Permission is given, by request. A Welcome to LabLink® is sent to person. The person has 7 days to log in, with a given password. LabLink® is the live, online client interface to, the SGS LIMS, the most comprehensive on-line data service in the industry. Available via the internet to all SGS clients, LabLink® provides real-time access to project status, current and historical data, on-line reports, EDDs, and billing information. LabLink® can be configured to send reports via email automatically upon data completion. We provide clients with a personal, secure internet account that encrypts all communications to maintain data confidentiality. LabLink® has established a new standard for electronic data management. From the minute samples are received, LabLink® provides up-to-the-minute access to project information from a PC via a secure website.

The Most Comprehensive On-Line Service in the Industry, LabLink® service saves time, effort and money. Through LabLink®, SGS has made a long-term commitment to provide the most comprehensive on-line service in the industry that includes the following features:
Automated Sample Receipt Confirmation: Allows client verification that samples have arrived at the laboratory safely and have been logged in properly. This ensures the correct tests, sample identification (IDs) and Turn-Around-Time (TAT) have been accurately communicated from the client to SGS. An electronic copy of the chain-of-custody is delivered with the log in report for review.
Compare Results to Multiple Regulatory Limits: Summary tables compare project results to multiple regulatory limits in real time. The Tables include highlights for hits and exceedances.
Complete Project Status Information: From the minute samples are received, there is complete access to job, sample, and test information. In addition, status information is available in real time through LabLink®, which allows tracking sample progress through the laboratory.
Online Chain-of-Custody Documents: As part of sample login, chain-of-custody documents are scanned into PDF files that are available on-line to LabLink® users with a single click.
Immediate Access to Test Results: LabLink® provides complete access to test results the minute they are approved by the laboratory. The LabLink® data query provides powerful options (e.g. hits only) to get data feedback as quickly as possible. The results can also be compared to a variety of Federal and State regulatory limits.
Access to Quality Control Data: Method blank, MS/MSD, blank spike and surrogates are available on-line. Chromatograms, spectra and other raw data can also be reviewed.
Historical Data Query: With LabLink®, it is just as easy to view historical data. Powerful query options and sort criteria can be specified and executed in seconds to evaluate trends.
e-Hardcopy Reports available via Auto-email or on-line: Finished data may be generated in *e-Hardcopy* format complete with a signed cover page, chain-of-custody and comprehensive QC data.
LabLink® allows the user to activate Auto-email on projects of interest, which automatically initiates generation of an *e-Hardcopy* report that will be sent automatically upon completion of a job.

Billing/Invoice Information: Final invoices can be downloaded on demand in PDF format.
Electronic Deliverables on Demand: EDDs may be generated on demand through LabLink®. This capability is unprecedented in the industry.
Tables: LabLink® allows generation of Excel result tables in real time, with a host of options, and the ability to include and screen against regulatory criteria.

Authorized Negotiator

Authorized Negotiator

Geoffrey Pellechia would be the authorized negotiator within SGS.

Geoffrey D. Pellechia
National Sales Manager
Geoffrey.Pellechia@sgs.com
508-630-4940

Legal Status of Offeror

ATTACHMENT B
LEGAL STATUS OF OFFEROR

(The Respondent shall fill out the provision and strike out the remaining ones.)

The Respondent is:

- A corporation organized and doing business under the laws of the state of Delaware, for whom bearing the office title of General Manager, whose signature is affixed to this proposal, is authorized to execute contracts on behalf of respondent.*

  *If not incorporated in Michigan, please attach the corporation's Certificate of Authority

- A limited liability company doing business under the laws of the State of_____, whom _____ bearing the title of _____ whose signature is affixed to this proposal, is authorized to execute contract on behalf of the LLC.

- A partnership organized under the laws of the State of_____and filed with the County of , whose members are (attach list including street and mailing address for each.)

- An individual, whose signature with address, is affixed to this RFP.

Respondent has examined the basic requirements of this RFP and its scope of services, including all Addendum (if applicable) and hereby agrees to offer the services as specified in the RFP.

Date: 5/16/19

Signature Caitlin Brice

(Print) Name Caitlin Brice Title General Manager

Firm: SGS North America Inc.

Address: 4405 Vineland Rd. C15, Orlando, FL 32811

Contact Phone 407.425.6700 Fax 407.427.0707

Email Caitlin.Brice@sgs.com

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Conflict of Interest Form

ATTACHMENT E

VENDOR CONFLICT OF INTEREST DISCLOSURE FORM

All vendors interested in conducting business with the City of Ann Arbor must complete and return the Vendor Conflict of Interest Disclosure Form in order to be eligible to be awarded a contract. Please note that all vendors are subject to comply with the City of Ann Arbor's conflict of interest policies as stated within the certification section below.

If a vendor has a relationship with a City of Ann Arbor official or employee, an immediate family member of a City of Ann Arbor official or employee, the vendor shall disclose the information required below.

1. No City official or employee or City employee's immediate family member has an ownership interest in vendor's company or is deriving personal financial gain from this contract.
2. No retired or separated City official or employee who has been retired or separated from the City for less than one (1) year has an ownership interest in vendor's Company.
3. No City employee is contemporaneously employed or prospectively to be employed with the vendor.
4. Vendor hereby declares it has not and will not provide gifts or hospitality of any dollar value or any other gratuities to any City employee or elected official to obtain or maintain a contract.
5. Please note any exceptions below:

Conflict of Interest Disclosure*	
Name of City of Ann Arbor employees, elected officials or immediate family members with whom there may be a potential conflict of interest.	( ) Relationship to employee ( ) Interest in vendor's company ( ) Other (please describe in box below)

*Disclosing a potential conflict of interest does not disqualify vendors. In the event vendors do not disclose potential conflicts of interest and they are detected by the City, vendor will be exempt from doing business with the City.

I certify that this Conflict of Interest Disclosure has been examined by me and that its contents are true and correct to my knowledge and belief and I have the authority to so certify on behalf of the Vendor by my signature below:

SGS North America Inc.		407.425.6700
Vendor Name		**Vendor Phone Number**
Caitlin Brice **Signature of Vendor Authorized Representative**	5/16/19 **Date**	Caitlin Brice **Printed Name of Vendor Authorized Representative**

Questions about this form? Contact Procurement Office City of Ann Arbor Phone: 734/794-6500, procurement@a2gov.org

Living Wage Compliance Form

ATTACHMENT D
CITY OF ANN ARBOR
LIVING WAGE ORDINANCE DECLARATION OF COMPLIANCE

The Ann Arbor Living Wage Ordinance (Section 1:811-1:821 of Chapter 23 of Title I of the Code) requires that an employer who is (a) a contractor providing services to or for the City for a value greater than $10,000 for any twelve-month contract term, or (b) a recipient of federal, state, or local grant funding administered by the City for a value greater than $10,000, or (c) a recipient of financial assistance awarded by the City for a value greater than $10,000, shall pay its employees a prescribed minimum level of compensation (i.e., Living Wage) for the time those employees perform work on the contract or in connection with the grant or financial assistance. The Living Wage must be paid to these employees for the length of the contract/program.

Companies employing fewer than 5 persons and non-profits employing fewer than 10 persons are exempt from compliance with the Living Wage Ordinance. If this exemption applies to your company/non-profit agency please check here [ ] No. of employees___

The Contractor or Grantee agrees:

(a) To pay each of its employees whose wage level is not required to comply with federal, state or local prevailing wage law, for work covered or funded by a contract with or grant from the City, no less than the Living Wage. The current Living Wage is defined as $13.61/hour for those employers that provide employee health care (as defined in the Ordinance at Section 1:815 Sec. 1 (a)), or no less than $15.18/hour for those employers that do not provide health care. The Contractor or Grantor understands that the Living Wage is adjusted and established annually on April 30 in accordance with the Ordinance and covered employers shall be required to pay the adjusted amount thereafter to be in compliance with Section 1:815(3).

Check the applicable box below which applies to your workforce

[ ] Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage without health benefits

[x] Employees who are assigned to any covered City contract/grant will be paid at or above the applicable living wage with health benefits

(b) To post a notice approved by the City regarding the applicability of the Living Wage Ordinance in every work place or other location in which employees or other persons contracting for employment are working.

(c) To provide to the City payroll records or other documentation within ten (10) business days from the receipt of a request by the City.

(d) To permit access to work sites to City representatives for the purposes of monitoring compliance, and investigating complaints or non-compliance.

(e) To take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee covered by the Living Wage Ordinance or any person contracted for employment and covered by the Living Wage Ordinance in order to pay the living wage required by the Living Wage Ordinance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services or agrees to accept financial assistance in accordance with the terms of the Living Wage Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Living Wage Ordinance, obligates the Employer/Grantee to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract or grant of financial assistance.

SGS North America Inc.	4405 Vineland Rd. C-15
Company Name	Street Address
Caitlin Brice 5/6/19	Orlando, FL 32811
Signature of Authorized Representative Date	City, State, Zip
Caitlin Brice / General Manager	407.425.6700 / caitlin.brice@sgs.com
Print Name and Title	Phone/Email address

Non-Discrimination Form

ATTACHMENT C
CITY OF ANN ARBOR DECLARATION OF COMPLIANCE

Non-Discrimination Ordinance

The "non discrimination by city contractors" provision of the City of Ann Arbor Non-Discrimination Ordinance (Ann Arbor City Code Chapter 112, Section 9:158) requires all contractors proposing to do business with the City to treat employees in a manner which provides equal employment opportunity and does not discriminate against any of their employees, any City employee working with them, or any applicant for employment on the basis of actual or perceived age, arrest record, color, disability, educational association, familial status, family responsibilities, gender expression, gender identity, genetic information, height, HIV status, marital status, national origin, political beliefs, race, religion, sex, sexual orientation, source of income, veteran status, victim of domestic violence or stalking, or weight. It also requires that the contractors include a similar provision in all subcontracts that they execute for City work or programs.

In addition the City Non-Discrimination Ordinance requires that all contractors proposing to do business with the City of Ann Arbor must satisfy the contract compliance administrative policy adopted by the City Administrator. A copy of that policy may be obtained from the Purchasing Manager

The Contractor agrees:

(a) To comply with the terms of the City of Ann Arbor's Non-Discrimination Ordinance and contract compliance administrative policy.

(b) To post the City of Ann Arbor's Non-Discrimination Ordinance Notice in every work place or other location in which employees or other persons are contracted to provide services under a contract with the City.

(c) To provide documentation within the specified time frame in connection with any workforce verification, compliance review or complaint investigation.

(d) To permit access to employees and work sites to City representatives for the purposes of monitoring compliance, or investigating complaints of non-compliance.

The undersigned states that he/she has the requisite authority to act on behalf of his/her employer in these matters and has offered to provide the services in accordance with the terms of the Ann Arbor Non-Discrimination Ordinance. The undersigned certifies that he/she has read and is familiar with the terms of the Non-Discrimination Ordinance, obligates the Contractor to those terms and acknowledges that if his/her employer is found to be in violation of Ordinance it may be subject to civil penalties and termination of the awarded contract.

SGS North America Inc.

Company Name

Caitlin Brice 5/6/19

Signature of Authorized Representative Date

Caitlin Brice / General Manager

Print Name and Title

4405 Vineland Rd. C15, Orlando, Fl 32811

Address, City, State, Zip

407.425.6700 / Caitlin.brice@sgs.com

Phone/Email address

Questions about the Notice or the City Administrative Policy, Please contact:
Procurement Office of the City of Ann Arbor
(734) 794-6500

Revised 3/31/15 Rev. 0 NDO-2