



## **Mid-Atlantic**

---

**Environmental Laboratories, Inc.**

30 Lukens Drive, Suite A

New Castle, DE 19720-2700

Phone: 302-654-1340 TOLL FREE: 877-654-1340

Fax: 302-654-1058

[www.maelinc.com](http://www.maelinc.com)

# **Statement of Qualifications**

**October 24, 2011**

# Table of Contents

<b>Section</b>	<b>Content</b>	<b>Page(s)</b>
1	Overview . . . . .	1
2	Services . . . . .	2
3	Quality Assurance . . . . .	5
4	Organization. . . . .	7
5	Laboratory Facilities and Equipment . . . . .	9
6	Certifications . . . . .	13
7	Key Personnel . . . . .	14
8	Insurance . . . . .	18
9	Certified Parameter List . . . . .	19

## **SECTION 1. OVERVIEW**

Mid-Atlantic Environmental Laboratories, Inc. (MAEL) is a full-service environmental testing laboratory, strategically located in New Castle, Delaware. We have been providing comprehensive analytical, sampling and consulting services in the environmental field since our inception in 1999.

Our location allows us to provide a wide range of analytical testing and field sampling services to various industries, consulting engineers and remediation contractors, in Delaware, Maryland, New Jersey and Pennsylvania. MAEL is a NELAP accredited laboratory, the first in Delaware to receive NELAP status. We participate in several other annual certification programs as well.

MAEL performs testing for waste characterization, contaminated soil, groundwater, wastewater and drinking water. Field sampling services are also provided for wastewater discharges and well monitoring. In addition, we provide consultation and research & development to our industrial clients.

MAEL performs diverse services for a wide variety of clients. The following is a summary of our services:

- Waste Characterization
- Landfill Groundwater Well Monitoring
- Remediation Sample Analysis
- State Underground Storage Tank Removal Parameters
- Sewage and Wastewater Treatment Plant NPDES Permit Monitoring
- Regulatory & Non-Regulatory Studies for Industrial Classification
- Consulting Engineers
- New Well Source Parameter Testing of Potable Water
- Soil Analysis
- Groundwater Analysis
- Wastewater Analysis
- Clean Water Act parameters
- Sludge Analysis
- Sampling Services

## **SECTION 2. SERVICES**

The laboratory offers a range of analytical capabilities and complies with the varying methodologies required to meet the needs of several regulatory programs. MAEL has experience implementing analytical programs using state-specific protocols (NJSCC, NJGWQC, PA ACT II, etc.) and EPA-approved protocols, including hazardous waste and groundwater. In addition, the laboratory often utilizes client-provided protocols to address specialized analytical needs.

### **2.1 Analytical Capabilities**

MAEL is a full-service environmental laboratory equipped with modern instrumentation for in-house analysis of most samples. The laboratory offers the following analytical techniques:

- Gas chromatography/Mass Spectrometry (GC/MS)
- Gas chromatography (GC)
- Inductively coupled argon plasma emission spectroscopy (ICP/AES)
- Cold vapor atomic absorption (CVAA) spectrometry
- Classic Wet Chemistry methods (colorimetric and gravimetric)

MAEL provides a comprehensive range of analytical services required to address the rigorous technical and service demands of today's environmental marketplace. A variety of regulatory specific methodologies are available from MAEL.

- **Waste Characterization**
- **Underground Storage Tank (UST)** (NJ, DE, PA, MD) MAEL offers responsive and comprehensive testing services supporting UST removals and monitoring, including **24-hour turn around time**, as well as the capability to provide complete GC/MS testing for volatile and semi-volatile compounds.
- **Groundwater Well Monitoring Sampling & Analyses**
- **Resource Conservation and Recovery Act (RCRA)** MAEL performs testing required for hazardous waste characterization using the Toxicity Characteristic Leaching Procedure (TCLP), as well as the majority of analysis required for RCRA groundwater monitoring programs.
- **NJ Groundwater Quality Criteria and Soil Cleanup Criteria analyses**
- **PA Act II and Clean Fill analyses**
- **Remediation Sample Analysis**
- **Soil Disposal Analyses**
- **Priority Pollutant List and Target Compound/Analyte List scans**
- **TCLP Scans (Full and Partial)**

- **Fingerprinting by GC and GC/MS**
- **Method Development and Method Validation per Client's Parameters**
- **Industrial Related Testing For Raw Material, Process Control Samples and Finished Products**

MAEL also provides sample collection services supporting these programs.

In addition to these federal regulatory programs, MAEL provides analytical services and reporting formats in compliance with various state requirements. Included are protocols required for Pennsylvania, Maryland, New Jersey and Delaware Underground Storage Tank, Land Recycling and Groundwater Well Monitoring. We also utilize methodologies specified for local occupancy permits in DE, MD, NJ and PA, and client-specific protocols required for site remediation, site monitoring, and wastewater discharge monitoring.

## **2.2 Field Sampling Service**

MAEL is equipped with a variety of automated samplers and field analytical instruments, which allows us to provide complete capability of environmental sample collection and field analysis. Typical applications include: industrial discharge monitoring, storm water runoff sampling, and waste characterization.

In conjunction with MAEL's full range of analytical services, these field-sampling services fully qualify the laboratory to address all aspects of environmental testing. From sample collection to report submittal, MAEL works with its clients as a full-service testing contractor.

## **2.3 Customer Support Services**

Responsive customer service is integral to MAEL's operations and critical to meeting the needs of our clients. MAEL provides a variety of support features that strive to offer value-added services to our basic testing capabilities. We recognize that communications are vital to the success of any project and crucial to establishing a long-lasting client/supplier partnership.

The following services are offered by MAEL and coordinated by our customer services staff:

- Sample containers free of charge
- Sample collection and pickup service
- *Chains of Custody* available online
- Field kits with containers, labels, ice packs, and instructions developed as necessary

- Verbal reporting of results and telephone contact regarding project status or regulatory violations
- Complete confidentiality of test results
- Expedited turnaround for special projects
- Familiarity with local, state and federal environmental laws and regulations
- Electronic Data Deliverables (EDD) in .pdf format via client portal
- Data Packages (state and regulatory program specific)
- Data Validation
- Custom Reporting
- Expert Witness

## **SECTION 3. QUALITY ASSURANCE**

### **3.1 Quality Assurance Policy Statement**

It is essential at MAEL to provide our clients with analytical services, which are accurate, reliable, scientifically valid and legally defensible. MAEL has established a complete QA/QC system to meet the strict requirements of the EPA and several state certifying agencies. The use of proficiency testing and performance evaluation sample testing submitted by outside state agencies, in tandem with in-house programs analyzing blanks, spikes, duplicates, blind and reference samples give us documented proof of our analytical capabilities.

### **3.2 Quality Assessment**

The quality assessment system for the laboratory consists of all the procedures and techniques for monitoring the measurement process and inference the quality of the data output. These may include:

#### **Internal Techniques**

- Repetitive Measurements
- Internal Blind Test Samples
- Precision and Accuracy Control Charts
- Positive and Negative Controls
- Interchange of Operators
- Interchange of Equipment
- Standard Verification
- Internal Audits

#### **External Techniques**

- Performance Evaluation Samples
- External Reference Materials
- Standard Reference Materials
- External Audits

### **3.4 Quality Control**

Quality Control techniques include all practices and procedures that lead to statistical process control and to the achievement of the precision and accuracy requirements of the client and regulatory authorities.

The basic requirements of quality control are listed below.

- Technical Competence of Staff
- Suitable Facilities and Equipment
- Training
- Good Laboratory Practices (GLPs)

- Standard Operations Procedures (SOPs)
- Quality Assurance Manual (QAM)
- Inspection
- Documentation

Since the competence of the technical staff and the suitability of the facilities are assured, the focus of quality control is on the practices of the laboratory staff. Quality control then involves the routine application and monitoring of all quality assessment procedures taken to demonstrate an analytical system is not out of control. Monitoring and documentation from sample collection through data reporting are required by the EPA, through the NELAP certification process, as well as the various state certifying agencies. Quality assessment data in written form is a must for any effective quality control program.

### **3.5 Quality Assurance Objectives**

- To provide a monitoring system to assure the reliability (accuracy and precision) of reported results fall within acceptable limits.
- To control the quality of all laboratory activities involved in sample handling, sample analysis, and data reporting.
- To verify that QC requirements that pertain to an analytical method are met thus precluding the need for analysts to originate individual QC efforts.
- To provide an easily retrievable system for all quality control/quality assurance activities.
- To assure clients of MAEL's continual commitment to excellence in every aspect of analytical services.

Our QA program is continually reviewed and updated as regulations and clients' needs change, and as we move into new areas and testing and methodology.

The following are the essential elements of MAEL's Quality Assurance Program, which comprise the basic requirements for meeting the laboratory's quality assurance objectives with specific emphasis on NELAC requirements documentation and traceability.

1. Laboratory personnel are qualified, well trained, and committed to producing results of the highest quality commensurate with the requirements and capabilities of the test method. Personnel are encouraged to strive for excellence in their respective areas of responsibility through continued education, training, and review of technical journals.
2. Analytical procedures are reliable, specific, and written to meet the requirements of pertinent regulatory agencies. Methods are fully documented and available for use by all laboratory personnel.
  1. Procedures for collecting, preserving, and validating samples are well established, technically sound, and conform to current regulatory requirements or specific client needs.

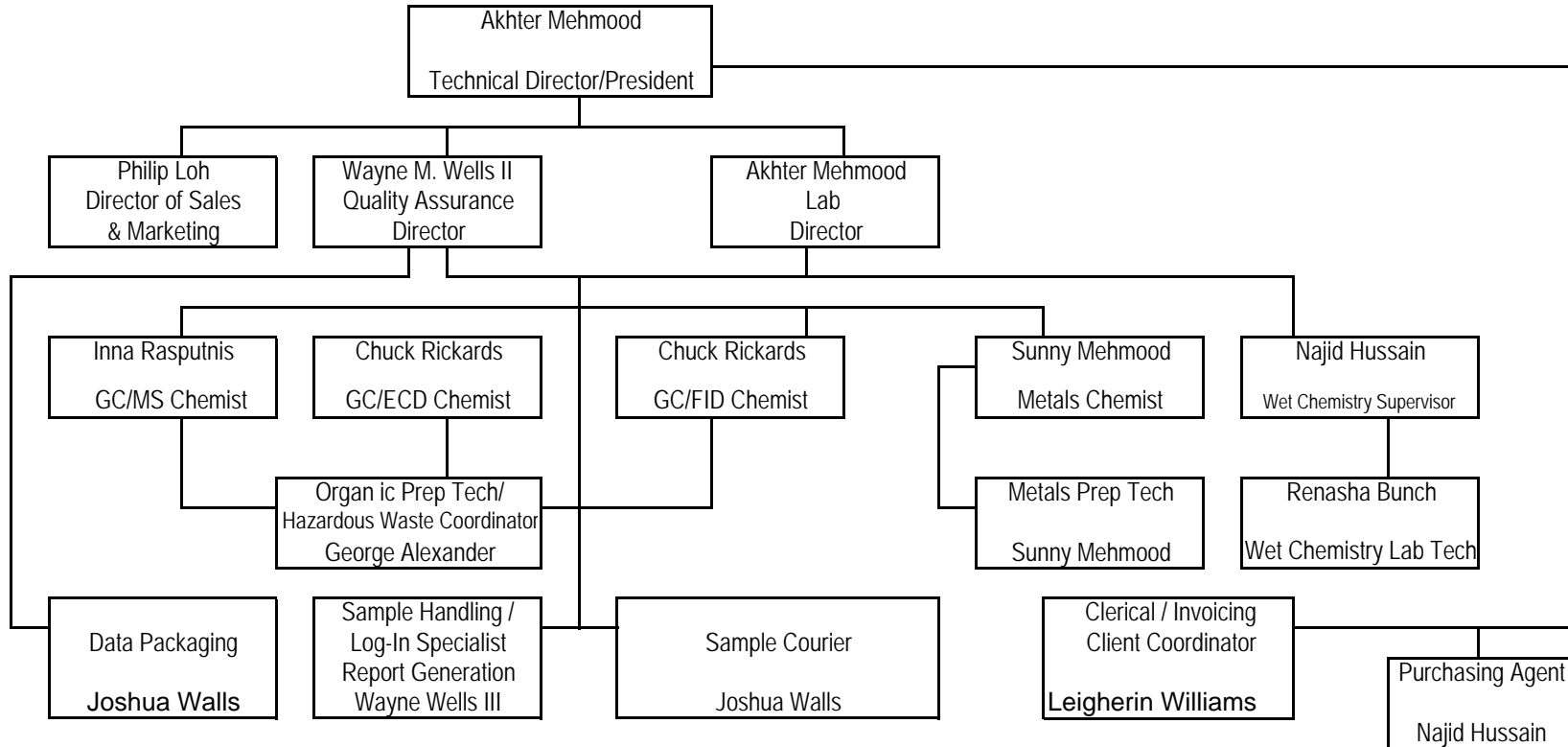


## SECTION 4. ORGANIZATION

### 4.1 Personnel

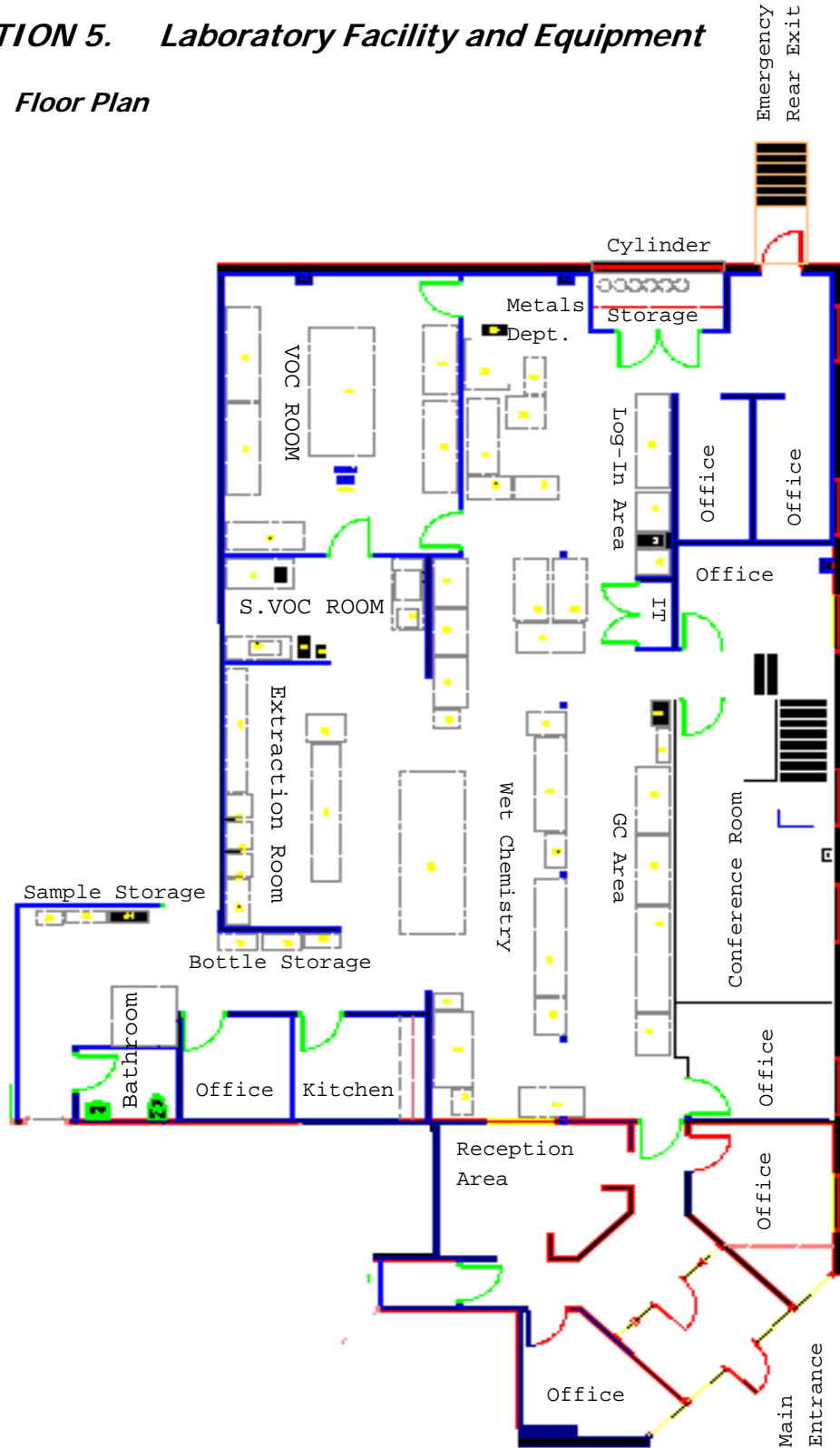
Position	Employee	Education	Joined MAEL	Industry Experience
Lab/Technical Director	Akhter Mehmood	MS Chemistry	January 1998	32 years
QA/QC Director	Wayne M. Wells II	BA Chemistry	March 2011	25 years
GC/MS Chemist, Senior	Inna Rasputnis	PhD Chemistry	June 1998	36 years
GC Chemist	Chuck Rickards	HS Diploma / Some College	April 2009	10 years
Metals Chemist	Sunny Mehmood	HS Diploma / Some College	January 2004	8 years
Wet Chemistry Supervisor	Najid Hussain	PhD Geochemistry	June 2002	9 years
Lab Technician/Metals Prep & Organic Extraction	George Alexander	High School Diploma	May 2001	10 years
Sample Handling	Wayne Wells III	HS Diploma / Some College	July 2011	6 months
Data Packages/Sample Courier	Joshua Walls	HS Diploma	October 2011	1 month
Director of Sales & Marketing	Philip Loh	BA Natural Science & Mathematics	August 2006	20 years
Wet Chemistry Analyst	Renasha Bunch	BS Biology	October 2011	2 years

## Organizational Chart



## SECTION 5. Laboratory Facility and Equipment

### 5.1 Floor Plan



## Instrument List

NAME / TYPE OF INSTRUMENT	MANUFACTURER	MODEL	SERIAL NUMBER	USE	LOCATION OF UNIT
Composite Sampler, (large black)	ISCO, Inc.	2100	-----	Field Sampling	Field Operations
Composite Sampler, (large tan)	ISCO, Inc.	3700	-----	Field Sampling	Field Operations
Low Flow Sampler	Horbis, Ltd.	10-Apr	601017	Field Sampling	Field Operations
GC with ECD/ECD (4A)	Perkin-Elmer	Autosystem	610N5012612	Pest / PCB / Herb	GC/ECD
GC/ECD (1A)	Perkin-Elmer	Autosystem	610N4021805	Pest / PCB / Herb	GC/ECD
GC/ECD with autosampler	Perkin-Elmer	Clarus 500	5034	Pest / PCB / Herb	GC/ECD
GC/FID	Perkin-Elmer	Autosystem	610N1080907	Glycols	GC/FID
HP GC (#1) (TPH DRO)	Hewlett Packard	5890II	2938A25678	TPH / DRO	GC/FID
HP GC (#2) (GRO)	Hewlett Packard	5890	2436606120	GRO	GC/FID
HP GC (#3) (TPH DRO)	Hewlett Packard	5890II	3223A43566	TPH / DRO	GC/FID
Autosampler	Dionex	AS40	07010080	inorganics	General Chemistry
BOD-5 Incubator (Ambi-Hi-Lo Chamber)	Labline Instruments	681-610	1192-021	BOD	General Chemistry
Closed Cup Flashpoint Tester	Penske-Martens	74545	-----	Flashpoint	General Chemistry
COD Block Digestor	HACH	45600	900702761	COD	General Chemistry
Ion Chromatograph	Dionex	ICS-2000	4030359	inorganics	General Chemistry
pH/ISE Meter	Orion	Model 720A	9256BN	pH	General Chemistry
Portable BOD-5 meter and probe	YSI	Model 50B	92542941	BOD	General Chemistry
Portable Colorimeter and Testing Equipment	HACH	43000-00	-----	Residual Chlorine	General Chemistry
UV Visible Spectrophotometer	Perkin Elmer	Lambda 2	6352	Cyanide, Cr+6, inorganics	General Chemistry
Balance, Analytical	Sartorius	AC 210	10705051	All	General Chemistry
Blue M oven, Stabil-Therm	Fisher Scientific	0V-12A	12A-3175	drying oven, TDS	General Chemistry
Muffle Furnace, programmable	Fisher Scientific	126	-----	TVS	General Chemistry
TOX & Absorption Module	Cosa	TOX-10	97301001	TOX	General Chemistry
Turbidimeter	HACH	2100N	980100000114	Turbidity, Sulfate	General Chemistry

Autosampler	Perkin-Elmer	AS 93 Plus	93053010105	metals	Metals Lab
Autosampler	Perkin-Elmer	AS 93 plus	932S5111001	metals	Metals Lab
Autosampler	CETAC	ASX-400	070502ASX-4	mercury	Metals Lab
Graphite Furnace Atomic Absorption	Perkin Elmer	A Analyst 800	8676	metals	Metals Lab
Inductively Coupled Plasma (ICP 1)	Perkin-Elmer	Optima 5300DV	077N4060701	metals	Metals Lab
Inductively Coupled Plasma (ICP 2)	Perkin-Elmer	Optima 5300DV	077N5111601	metals	Metals Lab
Inductively Coupled Plasma/MS	Perkin-Elmer	ELAN 6100	62480103	metals	Metals Lab
Mercury Analyzer	CETAC	M-6100	100501QT6	mercury	Metals Lab
Auto Sampler	Tekmar	ALS 2016	92260003	GRO	Organics Lab
Sample Heater	Tekmar	N/A	93082012	GRO	Organics Lab
Sonicator	Branson	3210	RNA9704505D	organic prep	Organics Lab
Autosampler	Hewlett Packard	7673	3325A32488	SVOC	Organics Lab (SVOC)
Autosampler	Hewlett Packard	7673	3414A38446	SVOC	Organics Lab (SVOC)
HP GC/MS	Hewlett Packard	5890 series II		SVOC	Organics Lab (SVOC)
HP GC/MS	Hewlett Packard	5890 series II		SVOC	Organics Lab (SVOC)
Autosampler	Trimertics	PTA 30		VOC	Organics Lab (VOC)
Balance, Analytical	AND	HR-60	12102235	VOC	Organics Lab (VOC)
HP GC/MS	Hewlett Packard	5890 Series/5970	2716A10743	VOC	Organics Lab (VOC)
HP GC/MS	Hewlett Packard	5890II/5972	3336A53522	VOC	Organics Lab (VOC)
Liquid Sample Concentrator	Tekmar	LSC3000	94083002	VOC	Organics Lab (VOC)
Liquid Sampler Concentrator	EST	Centurian	CENTS123110309	VOC	Organics Lab (VOC)
Accelerated Solven Extractor	Dionex	ASE200	2030829	NJDEP EPH	Sample Prep
Balance, Top Loader	Ohaus	SP202	7125412246	Extraction Lab	Sample Prep
Balance, Top Loader	Ohaus	SP202	7125412220	Extraction Lab	Sample Prep
Evaporaton	Zymark	TurboVap LV	89A3265	organic prep	Sample Prep
Hot Plate, large	Lab-Line	1268	11 2-105	metals prep	Sample Prep

Isotemp series oven, 1 large	Fisher Scientific	615G	-----	% moisture	Sample Prep
Isotemp series oven, 1 small	Fisher Scientific	615G	30100004	drying oven	Sample Prep
Sonicator	Heat Systems	XL2020	G2572	organic prep	Sample Prep
Sonicator	Heat Systems	XL2020	G2012	organic prep	Sample Prep
ZHE Extraction Rotors	Millipore	42R5BFC1-E3	68STT2444	VOC TCLP	Sample Prep
ZHE Hazard Waste Filtration Systems 5L	Millipore	T316	50907-020	TCLP	Storage

## **SECTION 6. CERTIFICATIONS**

### **6.1 Certifications**

When available, certificates can be forwarded.

#### **Analytical Certifications:**

- NJ NELAC – DE003
- PA NELAC – 68-00566
- Maryland ID – 292

#### **MBE/DBE Certifications:**

- State of Delaware –DE05050563
- DelDOT-- C-736-03-31-2009
- State of New Jersey – 53290-23
- Philadelphia – 6869106FC
- PAUCP (SEPTA) – 1799-1011-6
- Philadelphia School District – MBE Registered

#### **Other Information:**

- Delaware Business License - 2001102684
- New Jersey Affirmative Action (AA302)
- New Jersey Business License – 510-407-336/000
- Pennsylvania Registered Vendor - 211923
- City of Philadelphia Business Privilege License – 199237
- City of Philadelphia Tax Account – 739-7981285
- NAICS
  - ◆ 541380 – Testing Laboratories
  - ◆ 541690 – Other Scientific & Technical Consulting Services
- SIC Codes
  - ◆ 8734 – Testing Laboratories
  - ◆ 8731 – Commercial, Physical and Biological Research
  - ◆ 8999 – Services not elsewhere Classified
- Central Contractor Registration (CCR) – Duns # 07279773

## **SECTION 7. KEY PERSONNEL**

**Name:** Akhter Mehmood

**Title:** President

**Employed at MAEL since:** March 2000

### **Skills**

Proficient in Word, Excel, and WaveFront Laboratory Information Management System. Achieved certification for NELAC, NVLAP, AIHA and NJ and MD drinking water.

### **Experience**

**Company:** Mid-Atlantic Environmental Laboratories, Inc.

**Location:** New Castle, DE

**Position:** President

**Start Date:** March 2000

**End Date:** Present

**Job Responsibilities:** Overall management of the company, including financing, staff hiring, contract negotiation, client services, banking services, loan acquisitions, staff evaluations, authorizing purchases and pricing for service.

**Company:** Hydroanalysis

**Location:** Kutztown, PA

**Position:** Business Development Manager

**Start Date:** November 1999

**End Date:** May 2000

**Job Responsibilities:** Prepared guidelines to promote business in PA, DE and NJ. Conducted pricing evaluation and profitability forecast.

**Company:** Batta Environmental Associates

**Location:** Newark, DE

**Position:** Laboratory Manager

**Start Date:** February 1989

**End Date:** December 1998

**Job Responsibilities:** Managed the day-to-day operations of the Chemistry and Asbestos laboratories. Supervised and trained staff, operated and maintained all laboratory equipment, purchase new equipment to meet in-house analytical needs.

### **Education**

**College:** Punjab University

**Degree:** B.S. in Chemistry

**Major:** Chemistry

**Professional Organizations:**



**Name:** Wayne M. Wells II

**Title:** Quality Assurance Director

**Employed at MAEL since:** March 2011

### Skills

Analytical SOP and method development/improvement, QAM development, and Quality Systems management. Serves as liaison to government agencies at local, state, regional, and federal levels. Proficient in Microsoft Office, Adobe Acrobat and various instrument software.

### Experience

**Company:** Mid-Atlantic Environmental Laboratories, Inc.

**Location:** New Castle, DE

**Position:** Quality Assurance Manager

**Start Date:** March 2011

**End Date:** Present

**Job Responsibilities:** Conducts internal audits and initiate corrective actions. Prepares and reviews data deliverables packages for clients and regulatory agencies. Reviews and reports PT sample results. Reviews, revises and writes Standard Operating Procedures. Maintains Quality System.

**Company:** Playtex Personal Care

**Location:** Dover, DE

**Position:** Stability Administrator

**Start Date:** April 2010

**End Date:** October 2010

**Job Responsibilities:** Stability Administrator for the Quality Services Laboratory at a large personal care manufacturer. Coordinated all aspects of the sunscreen products stability program, from sample receipt and login through sample status tracking, data review and sample disposal. Responsible for ensuring that the stability program operated effectively, with all product batches being tested at scheduled intervals and stability reviews written annually in accordance with FDA and foreign agency regulations. Trained in GLP, GMP and 5 Sigma. Working knowledge of Microsoft Office, Access and SAP.

**Company:** Atlantic Coast Laboratories

**Location:** Newark, DE

**Position:** Senior Chemist

**Start Date:** September 2007

**End Date:** November 2009

**Job Responsibilities:** Volatiles supervisor for a regional environmental testing laboratory. Responsible for primary review of all organics data, except that which personally performed. Conducted secondary review and approval of all laboratory data in Microbiology and Inorganics departments prior to release to clients. Prepared data packages requiring validation for clients and regulators. Heavily involved in state and client audits. Administrative level access to the LIMS, with the ability to correct data and revise client reports. Performed GC/MS and GC/ECD analyses of drinking water, wastewater and soil using EPA methodology and ensured NELAC compliance.

### Education

**College:** University of Delaware, Newark, DE

**Degree:** B.A.

**Major:** Chemistry

### Professional Organizations:

New Jersey Environmental Laboratory Advisory Committee: 2011 – present

**Name:** Inna Rasuputnis

**Title:** Senior Chemist/GC/MS Chemist

**Employed at MAEL since:** April 1999

### Skills

Proficient in Word, Excel, Wavefront Laboratory Information Management System various instrument software including HP ChemStation

### Experience

**Company:** Mid-Atlantic Environmental Laboratories, Inc.

**Location:** New Castle, DE

**Position:** Senior Chemist/GC/MS Chemist

**Start Date:** April 1999

**End Date:** Present

**Job Responsibilities:** Operate and maintain VOC and SVOC GC/MS instruments, oversee Organic Department, including Organic prep and TCLP. Develop and improve SOPs, analysis of samples and reporting of data in accordance with quality assurance program.

**Company:** TestAmerica, Inc.

**Location:** Frankfort, KY

**Position:** Organic Chemist

**Start Date:** March 1990

**End Date:** March 1999

**Job Responsibilities:** Operated and maintained GC/MS instruments, prepared and analyzed solid, liquid and air sample in accordance with EPA approved methodologies, analysis of samples and reporting of data in accordance with quality assurance program.

**Company:** Research Clinic for Environmental Hazards

**Location:** Leningrad, USSR

**Position:** Senior Chemist

**Start Date:** May 1980

**End Date:** February 1989

**Job Responsibilities:** Performed analysis of environmental pollution at industrial sites and in atmospheres using GC/FID, AAS, TLC, polarograph, spectrophotometer and ISE for organic and inorganic compounds.

### Education

**College:** Moscow University

**Degree:** Ph.D in Chemistry **Major:** Chemistry

### Professional Organizations:

**Name:** Philip Loh

**Title:** Director of Marketing and Sales

**Employed at MAEL since:** August 2006

## Skills

Conceptualization and preparation of company literature, market research and direct sales

## Experience

**Company:** Mid-Atlantic Environmental Laboratories, Inc.

**Location:** New Castle, DE

**Position:** Director of Sales and Marketing

**Start Date:** August 2006

**End Date:** Present

**Job Responsibilities:** Sales management, including sales force management, evaluation of proposal activities, maintenance of existing customer base and implementation of market research. Conceptualization and preparation of company literature

**Company:** EMSL Analytical, Inc.

**Location:** Westmont, NJ

**Position:** Senior Corporate Account Executive

**Start Date:** November 1994

**End Date:** June 2006

**Job Responsibilities:** Sales management, including sales force management, evaluation of proposal activities, maintenance of existing customer base and implementation of market research. Conceptualization and preparation of company literature

**Company:** Princeton Testing, Inc.

**Location:** Princeton, NJ

**Position:** Sales and Marketing / Gas Chromatography Analyst

**Start Date:** August 1991

**End Date:** November 1994

**Job Responsibilities:** Utilization of prospect/customer database enhancing proactive sales. Coordination of laboratory analysis transactions. Project management and contract management. GC analysis of non-potable water, soil and drinking water and full interpretation of results. Preparation of data packages.

## Education

**College:** Bennington College Bennington, VT.

**Degree:** BA **Major:** Chemistry and Mathematics

### Professional Organizations:

American Public Health Association

Water Environment Federation


New Jersey Water Environment Association

American Waterworks Association

New Jersey Environmental Laboratory Advisory Committee

# SECTION 8. INSURANCE

## 8.1 Insurance Certificate

		<b>CERTIFICATE OF LIABILITY INSURANCE</b>		OP ID: LP			
				DATE (MM/DD/YYYY) 07/05/11			
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.							
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).							
PRODUCER Biddle & Company, Inc. 3650 Winding Way Ste 200 Newtown Square, PA 19073 Andrew Brecker		484-427-8900 484-427-8923		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL: ADDRESS: PRODUCER CUSTOMER ID # MIDAT-2			
INSURED Mid-Atlantic Environmental 30 Lukens Drive, Suite A New Castle, DE 19720		INSURER(S) AFFORDING COVERAGE INSURER A: Peerless Insurance Company INSURER B: LIBERTY SURPLUS INS CORP INSURER C: OHIO CASUALTY GROUP INSURER D: Peerless Indemnity Ins. Co. INSURER E: Netherlands Insurance Co. INSURER F:		NAIC # 24198  24074  18333  24171			
COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR LTR	TYPE OF INSURANCE	ADDL INSR	INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			UVEDE102221-110	03/20/11	03/20/12	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
D	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			BA2999976	03/20/11	03/20/12	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE \$ <input checked="" type="checkbox"/> RETENTION \$			EUO54431796	03/20/11	03/20/12	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NJ) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC2999977	03/20/11	03/20/12	WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
A	Data Processing						
A	Equipment Floate			IM8765352	03/20/11	03/20/12	
CERTIFICATE HOLDER  VIEW ONLY	CANCELLATION  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <i>Andrew P. Brecker, CIL</i>						

ACORD 25 (2009/09)

The ACORD name and logo are registered marks of ACORD

© 1988-2009 ACORD CORPORATION. All rights reserved.

**MDBE Certification**  
**DE NJ PAUCP (SEPTA)**  
 City of Philadelphia

NJ DE 003  PA 68-00566

## SECTION 9. CERTIFIED PARAMETER LIST

Parameter	Matrix Code	Status	Approved Method
<b>Extractions</b>			
Metals	NPW	Certified	SW-846 1311
Metals	SCM	Certified	SW-846 1311
Organics	SCM	Certified	SW-846 3580A
Semivolatile organics	NPW	Certified	SW-846 1311
Semivolatile organics	SCM	Certified	SW-846 1311
Semivolatile organics	NPW	Certified	SW-846 3510C
Semivolatile organics	SCM	Certified	SW-846 3550B
Semivolatile organics	SCM	Certified	SW-846 3620B
Semivolatile organics	SCM	Certified	SW-846 3630C
Semivolatile organics	SCM	Certified	SW-846 3660B
Semivolatile organics	SCM	Certified	SW-846 3665A
Volatile organics	NPW	Certified	SW-846 1311
Volatile organics	SCM	Certified	SW-846 1311
<b>GC/ECD</b>			
Aldrin	NPW	Certified	EPA 608
Aldrin	NPW	Certified	SW-846 8081A
Aldrin	SCM	Certified	SW-846 8081A
Alpha BHC	NPW	Certified	EPA 608
Alpha BHC	NPW	Certified	SW-846 8081A
Alpha BHC	SCM	Certified	SW-846 8081A
Beta BHC	NPW	Certified	EPA 608
Beta BHC	NPW	Certified	SW-846 8081A
Beta BHC	SCM	Certified	SW-846 8081A
Chlordane	NPW	Certified	EPA 608
Chlordane (alpha)	NPW	Certified	SW-846 8081A
Chlordane (alpha)	SCM	Certified	SW-846 8081A
Chlordane (gamma)	NPW	Certified	SW-846 8081A
Chlordane (gamma)	SCM	Certified	SW-846 8081A
Chlordane (technical)	NPW	Certified	SW-846 8081A
Chlordane (technical)	SCM	Certified	SW-846 8081A
D (2,4-)	NPW	Certified	SW-846 8151A
D (2,4-)	SCM	Certified	SW-846 8151A
DDD (4,4'-)	NPW	Certified	EPA 608
DDD (4,4'-)	NPW	Certified	SW-846 8081A
DDD (4,4'-)	SCM	Certified	SW-846 8081A
DDE (4,4'-)	NPW	Certified	EPA 608
DDE (4,4'-)	NPW	Certified	SW-846 8081A
DDE (4,4'-)	SCM	Certified	SW-846 8081A
DDT (4,4'-)	NPW	Certified	EPA 608
DDT (4,4'-)	NPW	Certified	SW-846 8081A

## SECTION 9. CERTIFIED PARAMETER LIST

DDT (4,4'-)	SCM	Certified	SW-846 8081A
Delta BHC	NPW	Certified	EPA 608
Delta BHC	NPW	Certified	SW-846 8081A
Delta BHC	SCM	Certified	SW-846 8081A
Dicamba	NPW	Certified	SW-846 8151A
Dicamba	SCM	Certified	SW-846 8151A
Dieldrin	NPW	Certified	EPA 608
Dieldrin	NPW	Certified	SW-846 8081A
Dieldrin	SCM	Certified	SW-846 8081A
Endosulfan I	NPW	Certified	EPA 608
Endosulfan I	NPW	Certified	SW-846 8081A
Endosulfan I	SCM	Certified	SW-846 8081A
Endosulfan II	NPW	Certified	EPA 608
Endosulfan II	NPW	Certified	SW-846 8081A
Endosulfan II	SCM	Certified	SW-846 8081A
Endosulfan sulfate	NPW	Certified	EPA 608
Endosulfan sulfate	NPW	Certified	SW-846 8081A
Endosulfan sulfate	SCM	Certified	SW-846 8081A
Endrin	NPW	Certified	EPA 608
Endrin	NPW	Certified	SW-846 8081A
Endrin	SCM	Certified	SW-846 8081A
Endrin aldehyde	NPW	Certified	EPA 608
Endrin aldehyde	NPW	Certified	SW-846 8081A
Endrin aldehyde	SCM	Certified	SW-846 8081A
Endrin ketone	NPW	Certified	EPA 608
Endrin ketone	NPW	Certified	SW-846 8081A
Endrin ketone	SCM	Certified	SW-846 8081A
Heptachlor	NPW	Certified	EPA 608
Heptachlor	NPW	Certified	SW-846 8081A
Heptachlor	SCM	Certified	SW-846 8081A
Heptachlor epoxide	NPW	Certified	EPA 608
Heptachlor epoxide	NPW	Certified	SW-846 8081A
Heptachlor epoxide	SCM	Certified	SW-846 8081A
Lindane (gamma BHC)	NPW	Certified	EPA 608
Lindane (gamma BHC)	NPW	Certified	SW-846 8081A
Lindane (gamma BHC)	SCM	Certified	SW-846 8081A
Methoxychlor	NPW	Certified	EPA 608
Methoxychlor	NPW	Certified	SW-846 8081A
Methoxychlor	SCM	Certified	SW-846 8081A
PCB 1016	NPW	Certified	EPA 608
PCB 1016	NPW	Certified	SW-846 8082
PCB 1016	SCM	Certified	SW-846 8082

**SECTION 9. CERTIFIED PARAMETER LIST**

PCB 1221	NPW	Certified	EPA 608
PCB 1221	NPW	Certified	SW-846 8082
PCB 1221	SCM	Certified	SW-846 8082
PCB 1232	NPW	Certified	EPA 608
PCB 1232	NPW	Certified	SW-846 8082
PCB 1232	SCM	Certified	SW-846 8082
PCB 1242	NPW	Certified	EPA 608
PCB 1242	NPW	Certified	SW-846 8082
PCB 1242	SCM	Certified	SW-846 8082
PCB 1248	NPW	Certified	EPA 608
PCB 1248	NPW	Certified	SW-846 8082
PCB 1248	SCM	Certified	SW-846 8082
PCB 1254	NPW	Certified	EPA 608
PCB 1254	NPW	Certified	SW-846 8082
PCB 1254	SCM	Certified	SW-846 8082
PCB 1260	NPW	Certified	EPA 608
PCB 1260	NPW	Certified	SW-846 8082
PCB 1260	SCM	Certified	SW-846 8082
T (2,4,5-)	NPW	Certified	SW-846 8151A
T (2,4,5-)	SCM	Certified	SW-846 8151A
Toxaphene	NPW	Certified	EPA 608
Toxaphene	NPW	Certified	SW-846 8081A
Toxaphene	SCM	Certified	SW-846 8081A
TP (2,4,5-) (Silvex)	NPW	Certified	SW-846 8151A
TP (2,4,5-) (Silvex)	SCM	Certified	SW-846 8151A

**GC/FID**

Gasoline range organic	NPW	Certified	SW-846 8015B
Gasoline range organic	SCM	Certified	SW-846 8015B
Petroleum Organics	NPW	Certified	Other NJ-OQA-QAM-025, Rev. 7
Petroleum Organics	SCM	Certified	Other NJ-OQA-QAM-025, Rev. 7

**GC/MS**

Acetone	SCM	Certified	SW-846 8260B
Acrolein	NPW	Certified	SW-846 8260B
Acrolein	SCM	Certified	SW-846 8260B
Acrylonitrile	NPW	Certified	SW-846 8260B
Acrylonitrile	SCM	Certified	SW-846 8260B
Acenaphthene	NPW	Certified	EPA 625
Acenaphthene	NPW	Certified	SW-846 8270C
Acenaphthene	SCM	Certified	SW-846 8270C
Acenaphthylene	NPW	Certified	EPA 625

## SECTION 9. CERTIFIED PARAMETER LIST

Acenaphthylene	NPW	Certified	SW-846 8270C
Acenaphthylene	SCM	Certified	SW-846 8270C
Acetone	NPW	Certified	SW-846 8260B
Aniline	NPW	Certified	EPA 625
Anthracene	NPW	Certified	EPA 625
Anthracene	NPW	Certified	SW-846 8270C
Anthracene	SCM	Certified	SW-846 8270C
Benzene	DW	Certified	EPA 524.2
Benzene	NPW	Certified	EPA 624
Benzene	NPW	Certified	SW-846 8260B
Benzene	SCM	Certified	SW-846 8260B
Benzo(a)anthracene	NPW	Certified	EPA 625
Benzo(a)anthracene	NPW	Certified	SW-846 8270C
Benzo(a)anthracene	NPW	Certified	SW-846 8270C
Benzo(a)anthracene	SCM	Certified	SW-846 8270C
Benzo(a)anthracene	SCM	Certified	SW-846 8270C
Benzo(a)pyrene	NPW	Certified	EPA 625
Benzo(a)pyrene	NPW	Certified	SW-846 8270C
Benzo(a)pyrene	NPW	Certified	SW-846 8270C
Benzo(a)pyrene	SCM	Certified	SW-846 8270C
Benzo(a)pyrene	SCM	Certified	SW-846 8270C
Benzo(b)fluoranthene	NPW	Certified	EPA 625
Benzo(b)fluoranthene	NPW	Certified	SW-846 8270C
Benzo(b)fluoranthene	NPW	Certified	SW-846 8270C
Benzo(b)fluoranthene	SCM	Certified	SW-846 8270C
Benzo(b)fluoranthene	SCM	Certified	SW-846 8270C
Benzo(ghi)perylene	NPW	Certified	EPA 625
Benzo(ghi)perylene	NPW	Certified	SW-846 8270C
Benzo(ghi)perylene	SCM	Certified	SW-846 8270C
Benzoic acid	NPW	Certified	EPA 625
Benzo(k)fluoranthene	NPW	Certified	EPA 625
Benzo(k)fluoranthene	NPW	Certified	SW-846 8270C
Benzo(k)fluoranthene	NPW	Certified	SW-846 8270C
Benzo(k)fluoranthene	SCM	Certified	SW-846 8270C
Benzo(k)fluoranthene	SCM	Certified	SW-846 8270C
Bis (2-chloroethoxy) methane	NPW	Certified	EPA 625
Bis (2-chloroethoxy) methane	NPW	Certified	SW-846 8270C
Bis (2-chloroethoxy) methane	SCM	Certified	SW-846 8270C
Bis (2-chloroethyl) ether	NPW	Certified	EPA 625



## SECTION 9. CERTIFIED PARAMETER LIST

Bis (2-chloroethyl) ether	NPW	Certified	SW-846 8270C
Bis (2-chloroethyl) ether	SCM	Certified	SW-846 8270C
Bis (2-chloroisopropyl) ether	NPW	Certified	EPA 625
Bis (2-chloroisopropyl) ether	NPW	Certified	SW-846 8270C
Bis (2-chloroisopropyl) ether	SCM	Certified	SW-846 8270C
Bis (2-ethylhexyl) phthalate	NPW	Certified	EPA 625
Bis (2-ethylhexyl) phthalate	NPW	Certified	SW-846 8270C
Bis (2-ethylhexyl) phthalate	SCM	Certified	SW-846 8270C
Bromobenzene	DW	Certified	EPA 524.2
Bromochloromethane	DW	Certified	EPA 524.2
Bromodichloromethane	DW	Certified	EPA 524.2
Bromodichloromethane	NPW	Certified	EPA 624
Bromodichloromethane	NPW	Certified	SW-846 8260B
Bromodichloromethane	SCM	Certified	SW-846 8260B
Bromoform	DW	Certified	EPA 524.2
Bromoform	NPW	Certified	EPA 624
Bromoform	NPW	Certified	SW-846 8260B
Bromoform	SCM	Certified	SW-846 8260B
Bromomethane	DW	Certified	EPA 524.2
Bromomethane	NPW	Certified	EPA 624
Bromomethane	NPW	Certified	SW-846 8260B
Bromomethane	SCM	Certified	SW-846 8260B
Bromophenyl-phenyl ether (4- )	NPW	Certified	EPA 625
Bromophenyl-phenyl ether (4- )	NPW	Certified	SW-846 8270C
Bromophenyl-phenyl ether (4- )	SCM	Certified	SW-846 8270C
Butanone (2-)	NPW	Certified	SW-846 8260B
Butanone (2-)	SCM	Certified	SW-846 8260B
Butyl acetate (n-)	NPW	Certified	EPA 624
Butyl benzene (n-)	DW	Certified	EPA 524.2
Butyl benzyl phthalate	NPW	Certified	EPA 625
Butyl benzyl phthalate	NPW	Certified	SW-846 8270C
Butyl benzyl phthalate	SCM	Certified	SW-846 8270C
Carbazole	NPW	Certified	EPA 625
Carbazole	NPW	Certified	SW-846 8270C
Carbazole	SCM	Certified	SW-846 8270C
Carbon disulfide	NPW	Certified	SW-846 8260B
Carbon disulfide	SCM	Certified	SW-846 8260B
Carbon tetrachloride	DW	Certified	EPA 524.2
Carbon tetrachloride	NPW	Certified	EPA 624

## SECTION 9. CERTIFIED PARAMETER LIST

Carbon tetrachloride	NPW	Certified	SW-846 8260B
Carbon tetrachloride	SCM	Certified	SW-846 8260B
Chloraniline (4-)	NPW	Certified	SW-846 8270C
Chloraniline (4-)	SCM	Certified	SW-846 8270C
Chloroaniline (4-)	NPW	Certified	EPA 625
Chlorobenzene	DW	Certified	EPA 524.2
Chlorobenzene	NPW	Certified	EPA 624
Chlorobenzene	NPW	Certified	SW-846 8260B
Chlorobenzene	SCM	Certified	SW-846 8260B
Chloroethane	DW	Certified	EPA 524.2
Chloroethane	NPW	Certified	EPA 624
Chloroethane	NPW	Certified	SW-846 8260B
Chloroethane	SCM	Certified	SW-846 8260B
Chloroethyl vinyl ether (2-)	NPW	Certified	EPA 624
Chloroethyl vinyl ether (2-)	NPW	Certified	SW-846 8260B
Chloroethyl vinyl ether (2-)	SCM	Certified	SW-846 8260B
Chloroform	DW	Certified	EPA 524.2
Chloroform	NPW	Certified	EPA 624
Chloroform	NPW	Certified	SW-846 8260B
Chloroform	SCM	Certified	SW-846 8260B
Chloromethane	DW	Certified	EPA 524.2
Chloromethane	NPW	Certified	EPA 624
Chloromethane	NPW	Certified	SW-846 8260B
Chloromethane	SCM	Certified	SW-846 8260B
Chloronaphthalene (2-)	NPW	Certified	EPA 625
Chloronaphthalene (2-)	NPW	Certified	SW-846 8270C
Chloronaphthalene (2-)	SCM	Certified	SW-846 8270C
Chlorophenol (2-)	NPW	Certified	EPA 625
Chlorophenol (2-)	NPW	Certified	SW-846 8270C
Chlorophenol (2-)	SCM	Certified	SW-846 8270C
Chlorophenyl-phenyl ether (4-)	NPW	Certified	EPA 625
Chlorophenyl-phenyl ether (4-)	NPW	Certified	SW-846 8270C
Chlorophenyl-phenyl ether (4-)	SCM	Certified	SW-846 8270C
Chlorotoluene (2-)	DW	Certified	EPA 524.2
Chlorotoluene (4-)	DW	Certified	EPA 524.2
Chrysene	NPW	Certified	EPA 625
Chrysene	NPW	Certified	SW-846 8270C
Chrysene	SCM	Certified	SW-846 8270C
Dibenzo(a,h)anthracene	NPW	Certified	EPA 625

## SECTION 9. CERTIFIED PARAMETER LIST

Dibenzo(a,h)anthracene	NPW	Certified	SW-846 8270C
Dibenzo(a,h)anthracene	NPW	Certified	SW-846 8270C
Dibenzo(a,h)anthracene	SCM	Certified	SW-846 8270C
Dibenzo(a,h)anthracene	SCM	Certified	SW-846 8270C
Dibenzofuran	NPW	Certified	EPA 625
Dibenzofuran	NPW	Certified	SW-846 8270C
Dibenzofuran	SCM	Certified	SW-846 8270C
Dibromochloromethane	DW	Certified	EPA 524.2
Dibromochloromethane	NPW	Certified	EPA 624
Dibromochloromethane	NPW	Certified	SW-846 8260B
Dibromochloromethane	SCM	Certified	SW-846 8260B
Dibromomethane	DW	Certified	EPA 524.2
Dichlorobenzene (1,2-)	DW	Certified	EPA 524.2
Dichlorobenzene (1,2-)	NPW	Certified	EPA 624
Dichlorobenzene (1,2-)	NPW	Certified	SW-846 8260B
Dichlorobenzene (1,2-)	SCM	Certified	SW-846 8260B
Dichlorobenzene (1,3-)	DW	Certified	EPA 524.2
Dichlorobenzene (1,3-)	NPW	Certified	EPA 624
Dichlorobenzene (1,3-)	NPW	Certified	SW-846 8260B
Dichlorobenzene (1,3-)	SCM	Certified	SW-846 8260B
Dichlorobenzene (1,4-)	DW	Certified	EPA 524.2
Dichlorobenzene (1,4-)	NPW	Certified	EPA 624
Dichlorobenzene (1,4-)	NPW	Certified	SW-846 8260B
Dichlorobenzene (1,4-)	SCM	Certified	SW-846 8260B
Dichlorobenzene (1,4-)	NPW	Certified	SW-846 8270C
Dichlorobenzene (1,4-)	SCM	Certified	SW-846 8270C
Dichlorobenzidine (3,3'-)	NPW	Certified	EPA 625
Dichlorobenzidine (3,3'-)	NPW	Certified	SW-846 8270C
Dichlorobenzidine (3,3'-)	SCM	Certified	SW-846 8270C
Dichlorodifluoromethane	DW	Certified	EPA 524.2
Dichlorodifluoromethane	NPW	Certified	SW-846 8260B
Dichlorodifluoromethane	SCM	Certified	SW-846 8260B
Dichloroethane (1,1-)	DW	Certified	EPA 524.2
Dichloroethane (1,1-)	NPW	Certified	EPA 624
Dichloroethane (1,1-)	NPW	Certified	SW-846 8260B
Dichloroethane (1,1-)	SCM	Certified	SW-846 8260B
Dichloroethane (1,2-)	DW	Certified	EPA 524.2
Dichloroethane (1,2-)	NPW	Certified	EPA 624
Dichloroethane (1,2-)	NPW	Certified	SW-846 8260B
Dichloroethane (1,2-)	SCM	Certified	SW-846 8260B
Dichloroethene (1,1-)	DW	Certified	EPA 524.2
Dichloroethene (1,1-)	NPW	Certified	EPA 624

## SECTION 9. CERTIFIED PARAMETER LIST

Dichloroethene (1,1-)	NPW	Certified	SW-846 8260B
Dichloroethene (1,1-)	SCM	Certified	SW-846 8260B
Dichloroethene (cis-1,2-)	DW	Certified	EPA 524.2
Dichloroethene (cis-1,2-)	NPW	Certified	SW-846 8260B
Dichloroethene (cis-1,2-)	SCM	Certified	SW-846 8260B
Dichloroethene (trans-1,2-)	DW	Certified	EPA 524.2
Dichloroethene (trans-1,2-)	NPW	Certified	EPA 624
Dichloroethene (trans-1,2-)	NPW	Certified	SW-846 8260B
Dichloroethene (trans-1,2-)	SCM	Certified	SW-846 8260B
Dichlorophenol (2,4-)	NPW	Certified	EPA 625
Dichlorophenol (2,4-)	NPW	Certified	SW-846 8270C
Dichlorophenol (2,4-)	SCM	Certified	SW-846 8270C
Dichloropropane (1,2-)	DW	Certified	EPA 524.2
Dichloropropane (1,2-)	NPW	Certified	EPA 624
Dichloropropane (1,2-)	NPW	Certified	SW-846 8260B
Dichloropropane (1,2-)	SCM	Certified	SW-846 8260B
Dichloropropane (1,3-)	DW	Certified	EPA 524.2
Dichloropropane (2,2-)	DW	Certified	EPA 524.2
Dichloropropene (1,1-)	DW	Certified	EPA 524.2
Dichloropropene (cis-1,3-)	DW	Certified	EPA 524.2
Dichloropropene (cis-1,3-)	NPW	Certified	EPA 624
Dichloropropene (cis-1,3-)	NPW	Certified	SW-846 8260B
Dichloropropene (cis-1,3-)	SCM	Certified	SW-846 8260B
Dichloropropene (trans-1,3-)	DW	Certified	EPA 524.2
Dichloropropene (trans-1,3-)	NPW	Certified	EPA 624
Dichloropropene (trans-1,3-)	NPW	Certified	SW-846 8260B
Dichloropropene (trans-1,3-)	SCM	Certified	SW-846 8260B
Diethyl phthalate	NPW	Certified	EPA 625
Diethyl phthalate	NPW	Certified	SW-846 8270C
Diethyl phthalate	SCM	Certified	SW-846 8270C
Dimethylphenol (2,4-)	NPW	Certified	EPA 625
Dimethylphenol (2,4-)	NPW	Certified	SW-846 8270C
Dimethylphenol (2,4-)	SCM	Certified	SW-846 8270C
Dimethyl phthalate	NPW	Certified	EPA 625
Dimethyl phthalate	NPW	Certified	SW-846 8270C
Dimethyl phthalate	SCM	Certified	SW-846 8270C
Di-n-butyl phthalate	NPW	Certified	EPA 625
Di-n-butyl phthalate	NPW	Certified	SW-846 8270C

## SECTION 9. CERTIFIED PARAMETER LIST

Di-n-butyl phthalate	SCM	Certified	SW-846 8270C
Dinitrophenol (2,4-)	NPW	Certified	EPA 625
Dinitrophenol (2,4-)	NPW	Certified	SW-846 8270C
Dinitrophenol (2,4-)	SCM	Certified	SW-846 8270C
Dinitrophenol (2-methyl-4,6-)	NPW	Certified	EPA 625
Dinitrophenol (2-methyl-4,6-)	NPW	Certified	SW-846 8270C
Dinitrophenol (2-methyl-4,6-)	SCM	Certified	SW-846 8270C
Dinitrotoluene (2,4-)	NPW	Certified	EPA 625
Dinitrotoluene (2,4-)	NPW	Certified	SW-846 8270C
Dinitrotoluene (2,4-)	SCM	Certified	SW-846 8270C
Dinitrotoluene (2,6-)	NPW	Certified	EPA 625
Dinitrotoluene (2,6-)	NPW	Certified	SW-846 8270C
Dinitrotoluene (2,6-)	SCM	Certified	SW-846 8270C
Di-n-octyl phthalate	NPW	Certified	EPA 625
Di-n-octyl phthalate	NPW	Certified	SW-846 8270C
Di-n-octyl phthalate	SCM	Certified	SW-846 8270C
Diphenylamine	NPW	Certified	SW-846 8270C
Diphenylamine	SCM	Certified	SW-846 8270C
Ethyl acetate	NPW	Certified	EPA 624
Ethylbenzene	DW	Certified	EPA 524.2
Ethylbenzene	NPW	Certified	EPA 624
Ethylbenzene	NPW	Certified	SW-846 8260B
Ethylbenzene	SCM	Certified	SW-846 8260B
Fluoranthene	NPW	Certified	EPA 625
Fluoranthene	NPW	Certified	SW-846 8270C
Fluoranthene	SCM	Certified	SW-846 8270C
Fluorene	NPW	Certified	EPA 625
Fluorene	NPW	Certified	SW-846 8270C
Fluorene	SCM	Certified	SW-846 8270C
Hexachlorobenzene	NPW	Certified	EPA 625
Hexachlorobenzene	NPW	Certified	SW-846 8270C
Hexachlorobenzene	NPW	Certified	SW-846 8270C
Hexachlorobenzene	SCM	Certified	SW-846 8270C
Hexachlorobenzene	SCM	Certified	SW-846 8270C
Hexachlorobutadiene (1,3-)	DW	Certified	EPA 524.2
Hexachlorobutadiene (1,3-)	NPW	Certified	EPA 625
Hexachlorobutadiene (1,3-)	NPW	Certified	SW-846 8260B
Hexachlorobutadiene (1,3-)	SCM	Certified	SW-846 8260B
Hexachlorobutadiene (1,3-)	NPW	Certified	SW-846 8270C

## SECTION 9. CERTIFIED PARAMETER LIST

Hexachlorobutadiene (1,3-)	SCM	Certified	SW-846 8270C
Hexachlorocyclopentadiene	NPW	Certified	EPA 625
Hexachlorocyclopentadiene	NPW	Certified	SW-846 8270C
Hexachlorocyclopentadiene	SCM	Certified	SW-846 8270C
Hexachloroethane	NPW	Certified	EPA 625
Hexachloroethane	NPW	Certified	SW-846 8260B
Hexachloroethane	SCM	Certified	SW-846 8260B
Hexachloroethane	NPW	Certified	SW-846 8270C
Hexachloroethane	SCM	Certified	SW-846 8270C
Hexanone (2-)	NPW	Certified	SW-846 8260B
Hexanone (2-)	SCM	Certified	SW-846 8260B
Indeno(1,2,3-cd)pyrene	NPW	Certified	EPA 625
Indeno(1,2,3-cd)pyrene	NPW	Certified	SW-846 8270C
Indeno(1,2,3-cd)pyrene	NPW	Certified	SW-846 8270C
Indeno(1,2,3-cd)pyrene	SCM	Certified	SW-846 8270C
Indeno(1,2,3-cd)pyrene	SCM	Certified	SW-846 8270C
Isophorone	NPW	Certified	EPA 625
Isophorone	NPW	Certified	SW-846 8270C
Isophorone	SCM	Certified	SW-846 8270C
Isopropanol	NPW	Certified	EPA 624
Isopropylbenzene	DW	Certified	EPA 524.2
Isopropyl ether	NPW	Certified	EPA 624
Isopropyltoluene (4-)	DW	Certified	EPA 524.2
Methylene chloride (Dichloromethane)	DW	Certified	EPA 524.2
Methylene chloride (Dichloromethane)	NPW	Certified	EPA 624
Methylene chloride (Dichloromethane)	NPW	Certified	SW-846 8260B
Methylene chloride (Dichloromethane)	SCM	Certified	SW-846 8260B
Methyl isobutyl ketone (MIBK)	NPW	Certified	EPA 624
Methylnaphthalene (2-)	NPW	Certified	EPA 625
Methylnaphthalene (2-)	NPW	Certified	SW-846 8270C
Methylnaphthalene (2-)	SCM	Certified	SW-846 8270C
Methylphenol (2-)	NPW	Certified	EPA 625
Methylphenol (2-)	NPW	Certified	SW-846 8270C
Methylphenol (2-)	SCM	Certified	SW-846 8270C
Methylphenol (3-)	NPW	Certified	SW-846 8270C
Methylphenol (3-)	SCM	Certified	SW-846 8270C
Methylphenol (4-)	NPW	Certified	EPA 625

## SECTION 9. CERTIFIED PARAMETER LIST

Methylphenol (4-)	NPW	Certified	SW-846 8270C
Methylphenol (4-)	SCM	Certified	SW-846 8270C
Methyl phenol (4-chloro-3-)	NPW	Certified	EPA 625
Methyl phenol (4-chloro-3-)	NPW	Certified	SW-846 8270C
Methyl phenol (4-chloro-3-)	SCM	Certified	SW-846 8270C
Methyl tert-butyl ether	DW	Certified	EPA 524.2
Methyl tert-butyl ether	NPW	Certified	EPA 624
Methyl tert-butyl ether	NPW	Certified	SW-846 8260B
Methyl tert-butyl ether	SCM	Certified	SW-846 8260B
Naphthalene	DW	Certified	EPA 524.2
Naphthalene	NPW	Certified	EPA 625
Naphthalene	NPW	Certified	SW-846 8260B
Naphthalene	SCM	Certified	SW-846 8260B
Naphthalene	NPW	Certified	SW-846 8270C
Naphthalene	SCM	Certified	SW-846 8270C
Nitroaniline (2-)	NPW	Certified	EPA 625
Nitroaniline (2-)	NPW	Certified	SW-846 8270C
Nitroaniline (2-)	SCM	Certified	SW-846 8270C
Nitroaniline (3-)	NPW	Certified	EPA 625
Nitroaniline (3-)	NPW	Certified	SW-846 8270C
Nitroaniline (3-)	SCM	Certified	SW-846 8270C
Nitroaniline (4-)	NPW	Certified	EPA 625
Nitroaniline (4-)	NPW	Certified	SW-846 8270C
Nitroaniline (4-)	SCM	Certified	SW-846 8270C
Nitrobenzene	NPW	Certified	EPA 625
Nitrobenzene	NPW	Certified	SW-846 8260B
Nitrobenzene	SCM	Certified	SW-846 8260B
Nitrobenzene	NPW	Certified	SW-846 8270C
Nitrobenzene	SCM	Certified	SW-846 8270C
Nitrophenol (2-)	NPW	Certified	EPA 625
Nitrophenol (2-)	NPW	Certified	SW-846 8270C
Nitrophenol (2-)	SCM	Certified	SW-846 8270C
Nitrophenol (4-)	NPW	Certified	EPA 625
Nitrophenol (4-)	NPW	Certified	SW-846 8270C
Nitrophenol (4-)	SCM	Certified	SW-846 8270C
N-Nitrosodimethylamine	NPW	Certified	EPA 625
N-Nitrosodimethylamine	NPW	Certified	SW-846 8270C
N-Nitrosodimethylamine	SCM	Certified	SW-846 8270C
N-Nitroso-di-n-propylamine	NPW	Certified	EPA 625
N-Nitrosodiphenylamine	NPW	Certified	EPA 625
N-Nitrosodiphenylamine	NPW	Certified	SW-846 8270C
N-Nitrosodiphenylamine	SCM	Certified	SW-846 8270C

## SECTION 9. CERTIFIED PARAMETER LIST

Pentachlorophenol	NPW	Certified	EPA 625
Pentachlorophenol	NPW	Certified	SW-846 8270C
Pentachlorophenol	NPW	Certified	SW-846 8270C
Pentachlorophenol	SCM	Certified	SW-846 8270C
Pentachlorophenol	SCM	Certified	SW-846 8270C
Pentanone (4-methyl-2-) (MIBK)	NPW	Certified	SW-846 8260B
Pentanone (4-methyl-2-) (MIBK)	SCM	Certified	SW-846 8260B
Phenanthrene	NPW	Certified	EPA 625
Phenanthrene	NPW	Certified	SW-846 8270C
Phenanthrene	SCM	Certified	SW-846 8270C
Phenol	NPW	Certified	EPA 625
Phenol	NPW	Certified	SW-846 8270C
Phenol	SCM	Certified	SW-846 8270C
Propylbenzene (n-)	DW	Certified	EPA 524.2
Pyrene	NPW	Certified	EPA 625
Pyrene	NPW	Certified	SW-846 8270C
Pyrene	SCM	Certified	SW-846 8270C
Pyridine	NPW	Certified	EPA 625
Pyridine	NPW	Certified	SW-846 8270C
Pyridine	SCM	Certified	SW-846 8270C
Sec-butylbenzene	DW	Certified	EPA 524.2
Styrene	DW	Certified	EPA 524.2
Styrene	NPW	Certified	EPA 624
Styrene	NPW	Certified	SW-846 8260B
Styrene	SCM	Certified	SW-846 8260B
Tert-butyl alcohol	NPW	Certified	EPA 624
Tert-butylbenzene	DW	Certified	EPA 524.2
Tetrachloroethane (1,1,1,2-)	DW	Certified	EPA 524.2
Tetrachloroethane (1,1,1,2-)	NPW	Certified	SW-846 8260B
Tetrachloroethane (1,1,1,2-)	SCM	Certified	SW-846 8260B
Tetrachloroethane (1,1,2,2-)	DW	Certified	EPA 524.2
Tetrachloroethane (1,1,2,2-)	NPW	Certified	EPA 624
Tetrachloroethane (1,1,2,2-)	NPW	Certified	SW-846 8260B
Tetrachloroethane (1,1,2,2-)	SCM	Certified	SW-846 8260B
Tetrachloroethene	DW	Certified	EPA 524.2
Tetrachloroethene	NPW	Certified	EPA 624
Tetrachloroethene	NPW	Certified	SW-846 8260B
Tetrachloroethene	SCM	Certified	SW-846 8260B
Tetrahydrofuran	NPW	Certified	EPA 624
Toluene	DW	Certified	EPA 524.2



## SECTION 9. CERTIFIED PARAMETER LIST

Toluene	NPW	Certified	EPA 624
Toluene	NPW	Certified	SW-846 8260B
Toluene	SCM	Certified	SW-846 8260B
Trichlorobenzene (1,2,3-)	DW	Certified	EPA 524.2
Trichlorobenzene (1,2,4-)	NPW	Certified	EPA 625
Trichlorobenzene (1,2,4-)	NPW	Certified	SW-846 8260B
Trichlorobenzene (1,2,4-)	SCM	Certified	SW-846 8260B
Trichlorobenzene (1,2,4-)	NPW	Certified	SW-846 8270C
Trichlorobenzene (1,2,4-)	SCM	Certified	SW-846 8270C
Trichloroethane (1,1,1-)	DW	Certified	EPA 524.2
Trichloroethane (1,1,1-)	NPW	Certified	EPA 624
Trichloroethane (1,1,1-)	NPW	Certified	SW-846 8260B
Trichloroethane (1,1,1-)	SCM	Certified	SW-846 8260B
Trichloroethane (1,1,2-)	DW	Certified	EPA 524.2
Trichloroethane (1,1,2-)	NPW	Certified	EPA 624
Trichloroethane (1,1,2-)	NPW	Certified	SW-846 8260B
Trichloroethane (1,1,2-)	SCM	Certified	SW-846 8260B
Trichloroethene	DW	Certified	EPA 524.2
Trichloroethene	NPW	Certified	EPA 624
Trichloroethene	NPW	Certified	SW-846 8260B
Trichloroethene	SCM	Certified	SW-846 8260B
Trichlorofluoromethane	DW	Certified	EPA 524.2
Trichlorofluoromethane	NPW	Certified	EPA 624
Trichlorofluoromethane	NPW	Certified	SW-846 8260B
Trichlorofluoromethane	SCM	Certified	SW-846 8260B
Trichlorophenol (2,4,5-)	NPW	Certified	EPA 625
Trichlorophenol (2,4,5-)	NPW	Certified	SW-846 8270C
Trichlorophenol (2,4,5-)	SCM	Certified	SW-846 8270C
Trichlorophenol (2,4,6-)	NPW	Certified	EPA 625
Trichlorophenol (2,4,6-)	NPW	Certified	SW-846 8270C
Trichlorophenol (2,4,6-)	SCM	Certified	SW-846 8270C
Trichloropropane (1,2,3-)	DW	Certified	EPA 524.2
Trimethylbenzene (1,2,4-)	DW	Certified	EPA 524.2
Trimethylbenzene (1,3,5-)	DW	Certified	EPA 524.2
Vinyl chloride	DW	Certified	EPA 524.2
Vinyl chloride	NPW	Certified	EPA 624
Vinyl chloride	NPW	Certified	SW-846 8260B
Vinyl chloride	SCM	Certified	SW-846 8260B
Volatile organics	NPW	Certified	SW-846 5030B
Volatile organics - high conc.	SCM	Certified	SW-846 5035H
Volatile organics - low conc.	SCM	Certified	SW-846 5035L
Xylenes (total)	DW	Certified	EPA 524.2

## SECTION 9. CERTIFIED PARAMETER LIST

Xylenes (total)	NPW	Certified	EPA 624
Xylenes (total)	NPW	Certified	SW-846 8260B
Xylenes (total)	SCM	Certified	SW-846 8260B

### Mercury

Mercury	NPW	Certified	EPA 245.1
Mercury - solid waste	SCM	Certified	SW-846 7471A

### Metals

Aluminum	NPW	Certified	EPA 200.7
Aluminum	NPW	Certified	SW-846 6010B
Aluminum	SCM	Certified	SW-846 6010B
Antimony	NPW	Certified	EPA 200.7
Antimony	NPW	Certified	SW-846 6010B
Antimony	SCM	Certified	SW-846 6010B
Arsenic	NPW	Certified	EPA 200.7
Arsenic	NPW	Certified	SW-846 6010B
Arsenic	SCM	Certified	SW-846 6010B
Barium	NPW	Certified	EPA 200.7
Barium	NPW	Certified	SW-846 6010B
Barium	SCM	Certified	SW-846 6010B
Beryllium	NPW	Certified	EPA 200.7
Beryllium	NPW	Certified	SW-846 6010B
Beryllium	SCM	Certified	SW-846 6010B
Boron	NPW	Certified	SW-846 6010B
Boron	SCM	Certified	SW-846 6010B
Cadmium	NPW	Certified	EPA 200.7
Cadmium	NPW	Certified	SW-846 6010B
Cadmium	SCM	Certified	SW-846 6010B
Calcium	NPW	Certified	SW-846 6010B
Calcium	SCM	Certified	SW-846 6010B
Chromium	NPW	Certified	EPA 200.7
Chromium	NPW	Certified	SW-846 6010B
Chromium	SCM	Certified	SW-846 6010B
Cobalt	NPW	Certified	EPA 200.7
Copper	NPW	Certified	EPA 200.7
Copper	NPW	Certified	SW-846 6010B
Copper	SCM	Certified	SW-846 6010B
Iron	NPW	Certified	EPA 200.7
Iron	NPW	Certified	SW-846 6010B
Iron	SCM	Certified	SW-846 6010B
Lead	NPW	Certified	EPA 200.7
Lead	NPW	Certified	SW-846 6010B
Lead	SCM	Certified	SW-846 6010B

**SECTION 9. CERTIFIED PARAMETER LIST**

Magnesium	NPW	Certified	SW-846 6010B
Magnesium	SCM	Certified	SW-846 6010B
Manganese	NPW	Certified	EPA 200.7
Manganese	NPW	Certified	SW-846 6010B
Manganese	SCM	Certified	SW-846 6010B
Metals	NPW	Certified	SW-846 3020A
Metals	SCM	Certified	SW-846 3031
Metals	SCM	Certified	SW-846 3050B
Metals	NPW	Certified	SW-846 3060A
Metals	SCM	Certified	SW-846 3060A
Metals, Total	NPW	Certified	SW-846 3010A
Metals, Total Rec and Dissolved	NPW	Certified	SW-846 3005A
Molybdenum	NPW	Certified	EPA 200.7
Molybdenum	NPW	Certified	SW-846 6010B
Molybdenum	SCM	Certified	SW-846 6010B
Nickel	NPW	Certified	EPA 200.7
Nickel	NPW	Certified	SW-846 6010B
Nickel	SCM	Certified	SW-846 6010B
Potassium	NPW	Certified	SW-846 6010B
Potassium	SCM	Certified	SW-846 6010B
Selenium	NPW	Certified	EPA 200.7
Selenium	NPW	Certified	SW-846 6010B
Selenium	SCM	Certified	SW-846 6010B
Silver	NPW	Certified	EPA 200.7
Silver	NPW	Certified	SW-846 6010B
Silver	SCM	Certified	SW-846 6010B
Sodium	NPW	Certified	SW-846 6010B
Sodium	SCM	Certified	SW-846 6010B
Strontium	NPW	Certified	SW-846 6010B
Strontium	SCM	Certified	SW-846 6010B
Thallium	NPW	Certified	EPA 200.7
Thallium	NPW	Certified	SW-846 6010B
Thallium	SCM	Certified	SW-846 6010B
Vanadium	NPW	Certified	EPA 200.7
Vanadium	NPW	Certified	SW-846 6010B
Vanadium	SCM	Certified	SW-846 6010B
Zinc	NPW	Certified	EPA 200.7
Zinc	NPW	Certified	SW-846 6010B
Zinc	SCM	Certified	SW-846 6010B

**Wet Chemistry**

## SECTION 9. CERTIFIED PARAMETER LIST

Chromium (VI)	NPW	Certified	SM 3500-Cr B (20th ed)
Chromium (VI)	NPW	Certified	SW-846 7196A
Chromium (VI)	SCM	Certified	SW-846 7196A
Cyanide	NPW	Certified	SM 4500-CN C, E
Cyanide	NPW	Certified	SW-846 9010C
Cyanide	SCM	Certified	SW-846 9010C
Cyanide	SCM	Certified	SW-846 9013
Cyanide	NPW	Certified	SW-846 9014
Cyanide	SCM	Certified	SW-846 9014
Free liquid	SCM	Certified	SW-846 9095
Ignitability of solids	SCM	Certified	SW-846 1030
pH	DW	Certified	SM 4500-H B
pH	NPW	Certified	SM 4500-H B
Phenols	NPW	Certified	EPA 420.1
Phenols	NPW	Certified	SW-846 9065
Phenols	SCM	Certified	SW-846 9065
pH - soil and waste	SCM	Certified	SW-846 9045C