



EMT's Partial Methods List

Depending on the sample matrix and detection limits required, EMT can perform analysis for compounds by a variety of methods. A partial list of our Organics laboratory capabilities is provided below:

Volatiles Analysis

SW-846 Method 8260 Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Column Technique

SW-846 Method 8021 Halogenated Volatiles by Gas Chromatography Using Photoionization and Electrolytic Conductivity Detectors in Series: Capillary Column Technique

EPA Method 504 1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-Chloropropane (DBCP) in Water by Micro-extraction and Gas Chromatography

EPA Method 524 Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry

EPA Method 624 Protocol for the Analysis of Purgeable Organic Priority Pollutants in Industrial Municipal Wastewater

EPA Method TO-14 Determination of Volatile Organic Compounds in Ambient Air Using Specially Prepared Canisters With Subsequent Analysis by Gas Chromatography

Semivolatiles Analysis

SW-846 Method 8270 Determination of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Column Technique

EPA Method 625 Protocol for the Analysis of Base/Neutral and Acid Extractable (BNA) Organic Priority Pollutants in Industrial and Municipal Wastewater



PNAs Analysis

- SW-846 8270** Determination of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS): Capillary Column Technique
- SW-846 8310** Polynuclear Aromatic Hydrocarbons by High Performance Liquid Chromatography (HPLC)
- EPA Method 550** Polycyclic Aromatic Hydrocarbons (PAHs) by Liquid-Liquid Extraction and HPLC with Coupled UV and Fluorescence Detection

Pesticides Analysis

- SW-846 Method 8081** Determination of Organochlorine Pesticides, Halowaxes, and PCBs as Arochlors by Capillary Column/Gas Chromatography
- EPA Method 508** Chlorinated Pesticides by Gas Chromatography (GC) with an Electron Capture Detector (ECD)
- EPA Method 608** Organochlorine Pesticides and PCBs in Wastewater by Gas Chromatography Electron Capture Detector

PCBs Analysis

- SW-846 Method 8082** Polychlorinated Biphenyls (PCBs) by Gas Chromatography
- EPA Method 608** Organochlorine Pesticides and PCBs in Wastewater by Gas Chromatography Electron Capture Detector

Herbicides Analysis

- SW-846 Method 8315** Determination of Carbonyl Compounds by High Performance Liquid Chromatography (HPLC)
- SW-846 Method 8321** Determination of Solvent-Extractable Non-Volatile Compounds by High Performance Liquid Chromatography Thermospray/Mass Spectrometry (HPLC/TSP/MS) or Ultraviolet (UV) Detection

Miscellaneous Analysis

Total Petroleum Hydrocarbons (TPH)

- SW-846 Method 8015B** Non-Halogenated Volatile Organics by Gas Chromatography



Wisconsin Gasoline Range Organics (GRO) Analysis

SW-846 Method 8015B Non-Halogenated Volatile Organics by Gas Chromatography

Wisconsin Diesel Range Organics (DRO) Analysis

SW-846 Method 8015B Non-Halogenated Volatile Organics by Gas Chromatography