



# GEOCHEMICAL TESTING

Coal and Environmental Services, Inc.

## C A P A B I L I T Y S T A T E M E N T

### Environmental Laboratory Analysis

#### Matrices:

Drinking & Non-Potable Water, Solid & Chemical Materials

#### Organics:

Volatile Organic (VOCs), SemiVolatile Organic (SVOCs), Herbicides, Pesticides, Oil & Grease, Total Petroleum Hydrocarbons, PCBs, TOX, Glycols, Dissolved Gases

#### Inorganics:

Demand: BOD, CBOD, COD, TOC, etc., Nutrients: NH<sub>3</sub>, NO<sub>2</sub>, NO<sub>3</sub>, Orthophosphate, TKN, Total Phosphorus, etc., Chloride, Sulfate, Hexavalent Chromium, Cyanide, Phenols, soluble and insoluble Sulfide, etc.

**Metals:** ICP, ICPMS, low level Hg

**Microbiology:** Total Coliform, Fecal Coliform, E. coli

### General Chemistry

#### Analytical Instruments

Multiple redundancies of most:  
UV-Vis, IR, IC, OP, GC/MS, GC/ECD, GC/FID, ICP/AES, AA, ICP/MS, CVAA, CVA, TCLP Ext./VOCs, TCLP Ext./Metals, BTU (calorimeters), SPE-DEX Ext., PFE, SPE, Headspace/FID-GC, FID-GC DRO, Cyanide Dist., Discrete Analyzer, FIA, TOX

### Coal and Environmental Services, Inc.

dba GEOCHEMICAL TESTING

DUNS: 010443216 CAGE: OHFV1

NAICS: 541380 Laboratory Testing

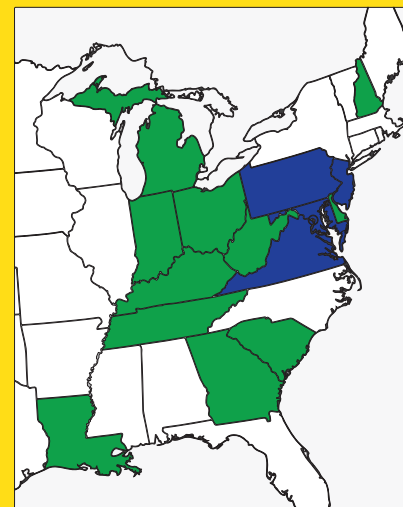
Small Business, 88 employees We accept credit & purchase cards, Dept of Treasury IPP, WAWF, other electronic payments. Reporting via custom or major EDD formats

### Coal and Energy Analysis Coal, ash, and byproduct analysis

*Field sampling and coal analysis for power generators, coal brokers, and industrial users*

- Laboratory analysis of coal, coal combustion by-products, and mining related analyses
- Proximate/Ultimate Analysis
- Major/Minor Elements, Trace Elements
- BTU, Moisture, Ash, Sulfur
- Carbon/Hydrogen/Nitrogen
- Chlorine/Fluorine
- Mercury (24Hr TAT)
- Ash Fusibility
- Loss on ignition
- Additional ASTM methods & analysis

#### NELAP and State Certifications



- Drinking Water, Non-Potable Water, Solid and Chemical Materials
- Non-Potable Water, Solid and Chemical Materials

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[www.geo-ces.com](http://www.geo-ces.com)



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## **Residual Waste Analysis**

Waste Characterization  
Production, Frack Water  
Drill Cuttings  
Solid Gas Wastes

## **Predrill Postdrill Surveys**

Sampling and Analysis

## **Landfill Non-Potable Water**

Assessment Monitoring  
Leachate Monitoring  
Background Monitoring  
Detection Monitoring  
Storm and Surface Water  
NPDES

## **Complete Sampling Services**

## **Environmental Impact**

Soil Sampling and Analysis  
Pit Leaks, Spills, Cleanups

*We routinely analyze groundwater, surface water, drinking water, wastewater, process water, residual waste, leachate, gas condensate, frack water and industrial discharge for environmental monitoring and compliance purposes.*

## **Geochemical Testing**

### **Headquarters & Laboratory**

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