

One Group One Vision MULTIPLE SOLUTIONS



Engineering Design Technologies, Inc.
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Corrosion Soil Testing Laboratory



An asset to any corrosion engineering survey is proper soil testing to provide a Soil Condition Assessment. **Engineering Design Technologies** is permitted to receive soils for analysis from both domestic and international clients. We perform these soil tests following national and international industry standards (see Test Methods table).

We offer competitive prices:

- Typical 5-day turnaround time on analysis and report. Expedited rates for turnaround time of 2 days is available upon request.
- Standard Corrosion Series package is \$250 per soil sample. EDT can provide reports following AWWA C105, DIPRA and/or WSSC analysis procedures.
- Corrosion evaluation package is \$250 per soil sample, plus \$960 for report. Report provides soil test results, corrosion probability, corrosion control recommendations along with expected corrosion rates of metallic and PCC pipes. The report is signed by a licensed professional engineer, licensed professional geologist and/or NACE corrosion technologist.
- Additional GIS maps, Surfer maps and cross sections can be generated upon request.

Testing Methods	
METHOD	PARAMETER
No Standard	Chloride (Cl ⁻)
No Standard	Conductivity
ASTM D 2216	Moisture Content
ASTM D4972	pH
ASTM _G200_09	Redox Potential (mV)
ASTM G 57	Resistivity – As Received & Saturated (ohm-cm)
No Standard	Sulfate (SO ₄ ²⁻)
No Standard	Sulfide
ASTM D5907	Total Dissolved Solids (TDS)
No Standard	Salinity
No Standard	Carbonate

Recommendations for Collecting Representative Samples

A minimum of one liter (~quart) Ziploc® bag samples are to be collected per sample location. Upon request, EDT will provide free soil kit containing sample bags, labels and methods. Please contact our engineers for best depth and spatial parameters. Each sample shall be labeled with the project name, location, coordinates, date, time, depth and sampler.

For questions regarding which methods are required, please email soils@edtinc.net

To place an order please fill out the [Service Request - Chain of Custody Form](#)