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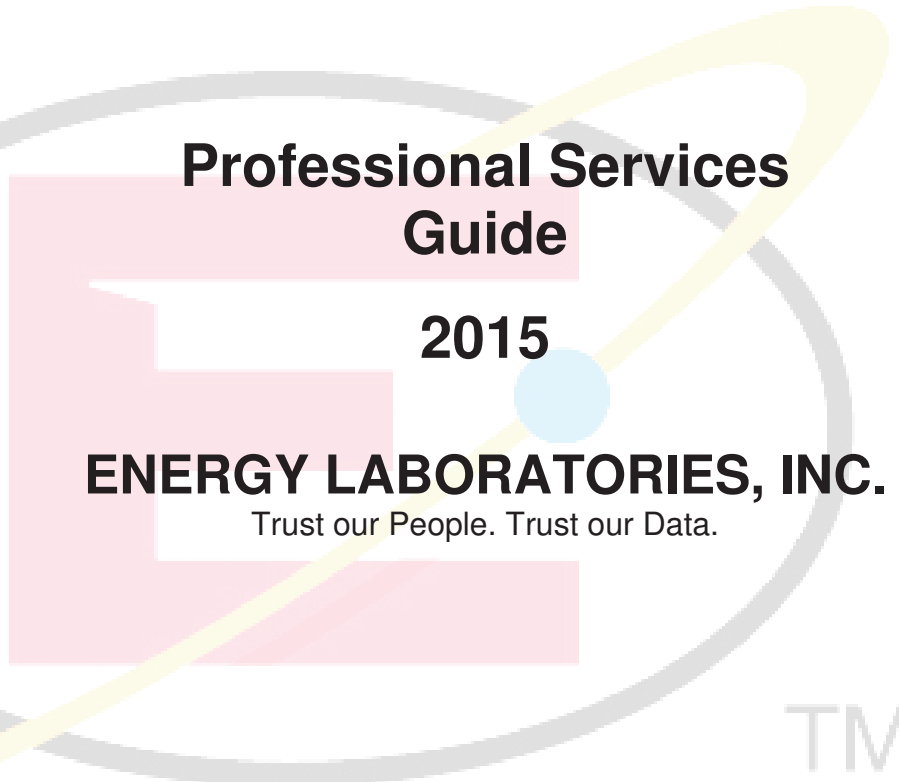
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**Professional Services
Guide**

2015

ENERGY LABORATORIES, INC.

Trust our People. Trust our Data.

TM

www.energylab.com

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5. Closed can gamma by Radium 226 converted to U₃O₈
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Radiochemistry

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- 2
- 2
- 3
- 3
- 3
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Aquatic Toxicity Section

Terms and Acronyms Used in Aquatic Toxicity

1. Acute Toxicity
2. Chronic Toxicity

Aquatic Toxicity

- 1
- 3
- 3

Soils (Agricultural & Overburden) Section

Lists of Acronyms

1. Agricultural Soils
2. Soil and Overburden Acid-Base Accounting
3. Soil and Overburden Non-Metals
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Recommendations for Sampling and Methods Listings

Soils

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- 2
- 3
- 4
- 5
- 5
- 5
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Other Services Section

List of Acronyms

1. Crude Oil and Petroleum Products
2. Oilfield Water Analysis
3. Natural Gas and LPG Analysis
4. Feeds
5. Special Services
6. Industrial Hygiene Laboratory Services
7. Air Sampling Equipment Rental
8. Ambient Air Quality Laboratory Services
9. Media Supplies
10. Other Services Available

Other Services

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- 2
- 2
- 3
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- 3
- 4
- 6
- 6
- 6

ENERGY LABORATORIES, INC.

GENERAL INFORMATION

Energy Laboratories, Inc. (ELI) is a commercial environmental testing laboratory offering technical services under fee schedule and contractual arrangements. ELI is an independent, privately held corporation, whose continued existence depends upon the quality of our product. Since our inception in 1952, we continue to demonstrate to our clients an unyielding commitment to providing that quality.

Summary of Technical Services Guide

The following Technical Services Guide contains a summary of services that are available through all Energy Laboratories, Inc.'s many regional locations.

Although the guide reflects ELI's extensive capabilities in all types of process and environmental analysis, inquiries are welcome for your special needs and specific project requirements (detection limits, accelerated turn around times, etc.) To ensure the most cost effective pricing for your projects, ELI provides project specific analytical quotations to incorporate sample volume and project duration. You can receive project specific quotations from any of ELI's five locations.

The guide has an identifying version number. ELI makes every effort to maintain methodology updates on the web site, however, it is always subject to change without prior notice. You can receive the current version by contacting any of our branch locations or by visiting ELI's web site www.energylab.com.

Quality Assurance and Quality Control (QA/QC)

ELI's comprehensive QA/QC program follows the rigorous criteria established by USEPA, NELAC, A2LA and various State agencies. USEPA Region VIII, and the states of California, Colorado, Idaho, Montana, Nevada, North Dakota, South Dakota, Washington and Wyoming certify ELI under the Safe Drinking Water Act (SDWA).

ELI maintains certification from the National Environmental Laboratory Accreditation Council (NELAC) for the analysis of water and wastewater (NPDES), hazardous and solid wastes (RCRA) and drinking water (SDWA).

Samples received at ELI are tracked and monitored by a strict laboratory information management system (LIMS) from receipt to report. Samples are logged in upon receipt and immediately inspected to determine any special handling requirements. All analytical procedures, sample handling, and preservation techniques are USEPA approved (where applicable). QA/QC test samples including matrix spikes and duplicates comprise greater than 10% of ELI's analytical load.

Analytical Methods

Energy Laboratories, Inc. performs analytical services according to methods set forth by the US Environmental Protection Agency (EPA), the American Society for Testing and Materials (ASTM), the Association of Official Analytical Chemists (AOAC), the American Public Health Association (APHA), and various state agencies.

Refer to the **Chain-of-Custody Section**, on the following page, for additional analytical method information.

ENERGY LABORATORIES, INC.

GENERAL INFORMATION, continued

Analytical Reporting

Our laboratory analysis report includes analytical and quality control results and a description of the analytical methods and QA/QC protocols, holding time information, and pertinent observations. A variety of reporting formats (including Level IV) and electronic transfer (EDD/EDT) of data are available.

Sample Containers

For safety and convenience, Energy Laboratories, Inc. provides properly cleaned sample bottles, preservatives, bottle labels, shipping containers, sampling instructions, and chain-of-custody forms. Special sample containers, such as Tedlar bags, are an additional charge.

Sample Disposal

Samples will be stored for at least 30 days after the analysis report is mailed. Extended sample storage can be provided.

Sample management surcharge of \$2.00 per sample will apply to all samples. Disposal and/or return cost of any samples identified as hazardous will be charged to the client.

Terms

For customers with established credit, our payment terms are net 30 days. After 30 days, interest charges will be accrued at 1.5% per month. If credit has not been established, payment for services is expected when the samples are submitted. Test results will not be released until payment arrangements are made.

Chain-of-Custody (COC)

ELI supplies *Chain-of-Custody* forms and custody seals (when requested) to our clients. When properly used, they provide documentation of the sample's integrity prior to receipt at the laboratory. They are also very useful in communicating vital information about the sample such as owner, location, sampling time/date, tests to be performed, etc. An annotated example of a completed *Chain-of-Custody* form is presented on the reverse side of the example COC form. It should serve as a pattern for using the forms provided by the laboratory.

Samples submitted for regulatory compliance, such as NPDES (Clean Water Act), drinking water, hazardous determination, or permit requirements for monitoring purposes should be specifically noted on the COC so that the appropriate analytical procedure can be selected.

Custody seals should be signed and dated by the same person that signs the *Chain-of-Custody* form. ELI will compare the signatures on receipt at the laboratory. The seal should be placed over an opening of the shipping package or across the bottle closure so that it will be torn if the samples are tampered with.