OSPREY SCIENTIFIC INC.

Environmental Field Analytics Course

Osprey Scientific Inc. is pleased to offer our **Environmental Field Analytics training course.** This year, the course has been revised to offer you **more hands-on time** with all of the equipment including the **X-ray fluorescence** spectrometer; a powerful tool for the screening of environmental samples for metals contamination, as well as the **DeltaTox Field Analyzer** for field toxicity.

Proper management of environmental remediation projects requires **fast and defensible decision making**. The more information that you are able to use to make your decision; the better the chances are that you are going to make the right decision. This course is designed to ensure that you use the right tool for the job, so you gather the information you need while balancing available resources.

Results obtained from field tests are critical to determining subsequent activities on your site, including the selection of samples for laboratory analysis and mapping the extent of contamination. Field tests can also be used to characterize waste materials, to assess background site conditions, or to monitor groundwater and surface water.

YOUR BUSINESS IS DIRECTLY AFFECTED BY THE QUALITY OF YOUR FIELD DATA

CALL TODAY TO PERSONALIZE A COURSE FOR YOUR NEEDS!
1-800-560-4402

- Learn how to achieve the site specific Data Quality Objectives you need to make decisions for your project.
- Learn to use the right tools, technology and equipment to collect the right samples and perform the right field tests for your situation.
- Understand the advantages and limitations of field screening.

Western Regional Office
100, 18130-105 Avenue
Edmonton, AB T5S 2T4

1-800-560-4402
sales@ospreyscientific.com
www.ospreyscientific.com

Eastern Regional Office
3620B Laird Road, Unit 7
Mississauga, ON L5L 6A9

OSPREY SCIENTIFIC INC.

2013 COURSE DATES COMING SOON!

OR

MIX AND MATCH SECTIONS TO PERSONALIZE TO YOUR SPECIFIC NEEDS

Introduction to Field Analytics

- Why use field analytical techniques?
- What are the benefits?
- What are the limitations?
- Laboratory analysis and Field screening:
  - Collaborative Data Sets
- Data Quality Objectives

Sampling Introduction

- Types of sampling schemes
- Groundwater Sampling
- Soil Sampling

Inorganic Chemical Characterization

- Water Quality measurements (pH, ORP, Conductivity, DO, and Temp.)
- Sampling related measurements (Water Level, Interface)
- Colorimetric Measurements
- Microbiological Measurements
- Soil analysis
- XRF

Inorganic Analytical Laboratory

- Water Quality meters
  - Conductivity, pH, DO
- Turbidity measurement
- Test Strips
- Colorimetric Measurements
- Interface/Water Level meters
- Level loggers
- XRF analysis of environmental samples

Volatile Organic Contaminants

- Review of Organic Contaminants
- Physical Properties and Measurement Technologies
- Movement of Organic Contaminants
- Volatile Organic Measurements
  - Gas Tubes
  - Combustible Gas Detectors
  - Photoionization Detectors
  - Toxic Sensors for Specific Contaminants

VOC Laboratory

- Draeger Hand held vapor testing
- Eagle Combustible gas monitor
- Draeger Multi PID 2+
- NEW – Eagle 2

Semi-Volatile Organic Contaminants

- Total Petroleum Hydrocarbons
- Extractable Chlorinated Compounds
- Basic Principals of Immunoassay for Environmental Monitoring

SVOC Laboratory

- Petroflag TPH Analysis
- Immunoassay TPH analysis
- Clor-N-Soil PCB in soil analysis

2012 Course Dates

November 21 & 22 – Edmonton, AB

November 27 & 28 – Calgary, AB

December 11 & 12 – Mississauga, ON

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