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Fundamentals of Environmental Sampling and Analysis

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Wiley, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. 1. Introduction to Environmental Data Acquisition. 1.1 Introduction. 1.1.1 Importance of Scientifically Reliable and Legally Defensible Data. 1.1.2 Sampling Error vs. Analytical Error During Data Acquisition. 1.2 Environmental Sampling. 1.2.1 Scope of Environmental Sampling. 1.2.2 Where, When, What, How, and How Many. 1.3 Environmental Analysis. 1.3.1 Uniqueness of Modern Environmental Analysis. 1.3.2 Classical and Modern Analytical and Monitoring Techniques. References. Questions and Problems. 2. Basics of Environmental Sampling and Analysis. 2.1 Essential Analytical and Organic Chemistry. 2.1.1 Concentration Units. 2.1.2 Common Organic Pollutants and Their Properties. 2.1.3 Analytical Precision, Accuracy, and Recovery. 2.1.4 Detection Limit and Quantitation Limit. 2.1.5 Standard Calibration Curve. 2.2 Essential Environmental Statistics. 2.2.1 Measurements of Central Tendency and Dispersion. 2.2.2 Understanding Probability Distributions. 2.2.3 Type I and II Errors: False Positive and False Negative. 2.2.4 Detection of Outliers. 2.2.5 Analysis of Censored Data. 2.2.6 Analysis of Spatial and Time Series Data. 2.3 Essential Hydrology and Geology. 2.3.1 Stream Water Flow and Measurement. 2.3.2 Groundwater Flow in Aquifers. 2.3.3 Groundwater Wells. 2.4 Essential Knowledge of Environmental Regulations. 2.4.1 Major Regulations Administrated by the U.S. EPA. 2.4.2 Other Important Environmental Regulations....

Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

-- **Melvin Hettinger**

This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Dr. Easton Collier DVM**