United States Environmental Protection Agency
Solid Waste and Emergency Response (5102G)
EPA 542-F-98-008
April 1998
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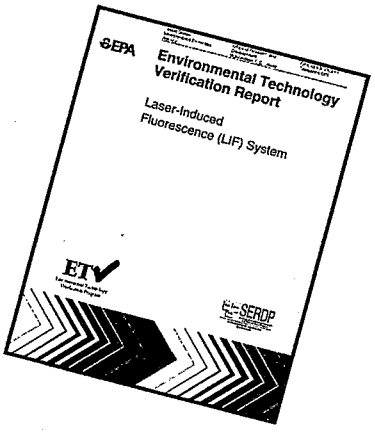
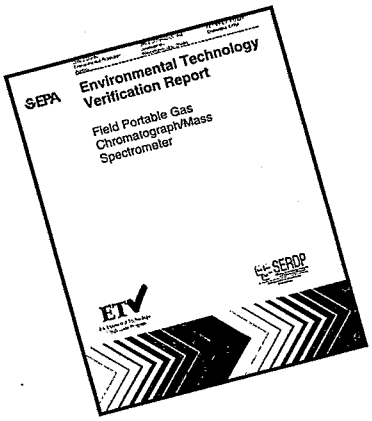
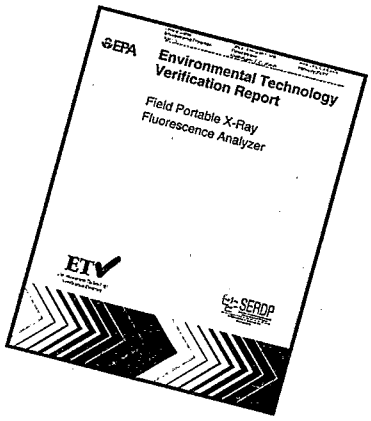
Consortium for Site Characterization Technology



Environmental Technology Verification Reports

The Consortium for Site Characterization Technology (CSCT) is a pilot verification program operating under EPA's Environmental Technology Verification (ETV) Program. The CSCT is a partnership involving EPA, DOD, DOE, States and private sector companies. The ETV Reports document demonstration activities and present and evaluate the demonstration data to verify technology performance relative to vendor claims. Each report includes a 3-page verification statement.





The Site Characterization and Analysis Penetrometer System (SCAPS) LIF Sensor and Support System EPA 600-R-97-019

The Rapid Optical Screening Tool (ROST) LIF System for Screening of Petroleum Hydrocarbons in Subsurface Soils EPA 600-R-97-020

Field Portable GC/MS; Viking Instruments Corporation SpectraTrak™ 672 EPA 600-R-97-148

Field Portable GC/MS; Bruker-Franzen Analytical Systems, Inc. EM640™ EPA 600-R-97-149

Field Portable XRF Analyzer; Scitec MAP Spectrum Analyzer EPA 600-R-97-147

Field Portable XRF Analyzer; HNU Systems SEFA-P Analyzer EPA 600-R-97-144

Field Portable XRF Analyzer; TN 9000 and TN Lead Analyzer EPA 600-R-97-145

Field Portable XRF Analyzer; Metorex X-MET 920-MP EPA 600-R-97-151

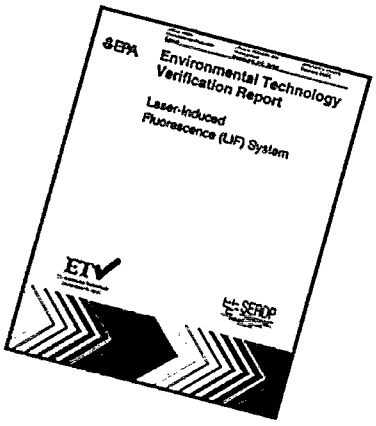
Field Portable XRF Analyzer; Metorex X-MET 920-P and X-MET 940 EPA 600-R-97-146

Field Portable XRF Analyzer; Niton XL Spectrum Analyzer EPA 600-R-97-150

Upcoming Reports:

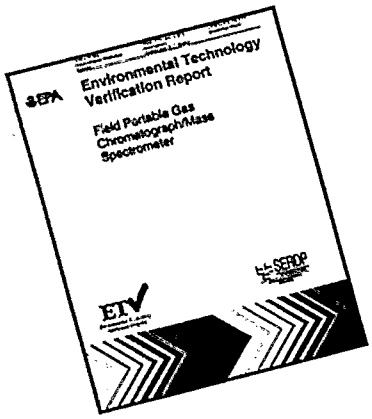
Well-head Monitoring
Decision Support Software
Volatile Organic Compounds (VOCs) Measurement in Water
Field Analytical Methods for Measuring Polychlorinated Biphenyls (PCBs)

CONSORTIUM FOR SITE CHARACTERIZATION TECHNOLOGY

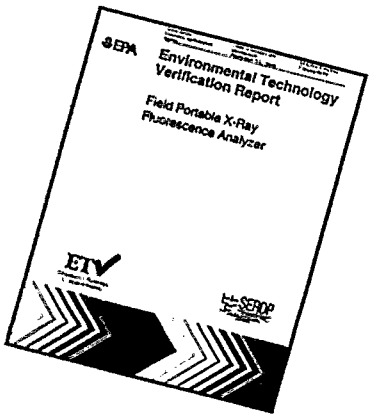


The Consortium is one of several pilot verification programs operating under the aegis of the EPA Environmental Technology Verification (ETV) Program. One of the roles of the Consortium and ETV is to plan and execute demonstrations and to assist developers with designing and conducting their own demonstrations. The goal of this effort is to generate credible cost and performance information. The Consortium will also transfer information to regulators, users, and developers.

The Consortium will fulfill the need for independent evaluation of monitoring and site characterization technology performance. The Consortium brings together the interests of Federal and state regulators; Federal technology evaluation and verification entities; and potential end users of these technologies to facilitate independent and expert verification of technology performance. Customers, investors, and regulators alike will judge a technology on its merits, backed by quality data.



The Consortium employs a third-party verification organization (DOE National Laboratory) to develop demonstration plans, conduct the evaluations, and write the final reports. Based on the assessment of the needs of users, the Consortium annually solicits available vendors, selects appropriate technologies, and fields performance evaluations. Technologies are selected based on their applicability to the identified category of need, their maturity (commercially ready, full-scale field units), and the willingness of the vendors to participate. After the field evaluation, the Consortium produces reports on each technology accompanied by a verification statements signed by the Director of EPA's National Exposure Research Laboratory.



FOR MORE INFORMATION:

Eric Koglin	Steve Billets	Daniel Powell
(702) 798-2432	(702) 798-2232	(703) 603-7196
koglin.eric@epa.gov	billets.steve@epa.gov	powell.dan@epa.gov

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http://www.epa.gov/etv/ *or* http://clu-in.com/csct.htm