

# The Utilization of Hanby Environmental's TPH Field Test Kits for Water and Soil Analysis

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## Hanby Field Test Kits are:

A uniquely designed "mobile lab" that test for TPH in water & soil by using a precise scientific method to produce colors to identify contaminants, both qualitatively and quantitatively. Hanby test kits are designed to save time and money by significantly reducing the dependence on off-site lab analysis.



## Uses for kits:

The kits can be used for many various applications, for instance in phase 2 site assessments, to monitor the operating conditions of a remediation system, or to confirm that contaminated soils and/or groundwater has been or needs to be removed. And to monitor locations to ensure continued compliance within approved guidelines.

## Who uses the kits:

Environmental contractors and consultants, HazMat teams, remediation specialists, and even oil exploration geologists have been utilizing Hanby products at spill sites, underground storage tanks, pipeline leaks, remediation sites and Superfund sites.

## Advantages of our kit:

- Speed (takes 5-10 min for a result)
- Portability (lightweight & rugged case can travel in back of truck & not be damaged)
- Easy to use (color is developed in response to the presence of a contaminant and the resulting color is matched to a color chart supplied in the kit)
- Low cost per sample (15 tests in one kit & 15 tests per refill order)
- Wide Range (test for a broad range of petroleum related chemicals)
- Accurate Results (results are scaled down in PPM - Parts per million)

## Petroleum Detection Specifications

The Hanby test kits provide analytical results for petroleum fuels and constituents, such as gasoline, diesel fuel, jet fuel, crude oil, motor oil, BTEX, and PAHs, as well as PCBs in soil and water samples.

Hanby Test Kits have been serving as dependable field analytical tools since 1987 to provide rapid, accurate data. They have been published by the EPA since 1990.

# SAVE TIME & MONEY!

## Hanby Environmental

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## Soil Analysis in 4 Minutes

*Six easy steps to Screening TPH's in Soil*

*Rapid, sensitive, positive detection of petroleum in solid samples*



1. Weigh sample into tared beaker



2. Snap ampoule, add solvent



3. Stir. Mix well



4. Pour solvent into test tube.



5. Add catalyst, cap, shake.



6. Compare with standard photo.

Hanby Method publications of the U.S. EPA: "Field Methods: Dependable Data When You Need It", Sept., '90 Subsurface Characterization and Monitoring Techniques", May, '93; S.I.T.E. Evaluation Program, Dec '96; "Expedited Site Assessment Tools for Underground Storage Tank Sites", March '97

Colorado Oil and Gas Commission, Soil Analysts Report Form #24, Rev. 3/03

## Water Analysis in 5-6 Minutes

*5 Minute Testing for TPH's in Water*

*Efficiently and accurately screen dissolved organics, DNAPLs, etc*



1. Pour water sample into separatory funnel.



2. Pour solvent in sample.



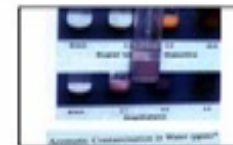
3. Swirl separatory funnel to extract



4. Let layers separate.



5. Drain solvent into test tube.



6. Add catalyst, shake, compare.