State Water Resources Control Board (SWRCB)

Letter No. 019
Subject: "CATPH-G" Analysis of TPH Volatile Range Organics
Date: April 26, 2002

Overview

Within the LUST Cleanup program, many soil and water samples are analyzed for gasoline and other volatile range organics in accordance with guidance found in the *Leaking Underground Fuel Tank (LUFT) Field Manual, October 1989* and the *October 1999 Guidance for Petroleum Hydrocarbon Analysis* provided by the Petroleum Hydrocarbon Method Committee.

As required by AB2886, electronic EDF data for these analyses are reported to the SWRCB GeoTracker system. For data comparability purposes the SWRCB recommends the following minimal analyte list, spiking compounds, surrogate compounds and reporting limits for this method.

Special Conditions

This applies to all sample matrices.

Areas of Impact

Field(s): *ANMCODE, PARLABEL*
Entry: *ANMCODE* = "CATPH-G" (CA LUFT Method for Gasoline Range Organics)
PARLABEL = "TPHC6C12"

Policy:

a) Quality Control Requirements

Preparation/analytical batch should include:

- one laboratory method blank
- one matrix spike
- one matrix spike duplicate or one matrix duplicate if target compounds are present
- one blank spike

Control limits for the blank spike/blank spike duplicates are 70% - 130% per SW-846.

b) Analytes

"CATPH-G" Analytes and Detection Limits

			Water (mg/L)		Soil (mg/kg)	
PARLABEL	**Description**	**Surr.**	**MDL**	**MRL**	**MDL**	**MRL**
TPHC6C12	TPH volatile Range Organics (C6-C12)		0.5		10.0	
BR4FBZ	4-Bromofluorobenzene[1]	✔				
TFBZME	Trifluorotoluene[1]	✔				

MDL – Method Detection Limit (from *Leaking Underground Fuel Tank (LUFT) Field Manual, October 1989*)
MRL – Method Reporting Limit
[1] Commonly used surrogate