



6390 Joyce Drive  
#100  
Golden, CO 80403

PHONE 303-940-0033  
FAX 303-940-0043  
www.wibby.com

## **Instructions for: UST Texas Method 1005 in Soil (cat # PT-TX1005-USTS)**

### **SCOPE AND APPLICATION**

Wibby Environmental's "Texas Method 1005 in Water Proficiency Testing Standards" are designed specifically to be used with the Texas 1005 method. If you need a copy of the TX 1005 method please contact Wibby Environmental Customer service at 303-940-0033. You should be familiar with the method before analyzing these standards.

The Texas Method 1005 PT Sample Set consists of two standards, one low level and one high level per specific State of Texas criteria.

### **SAMPLE PREPARATION AND ANALYSIS**

1. Each standard must be prepared and analyzed separately. The following instructions are applicable to each standard.
2. For best results, the standards should be stored refrigerated and then brought to room temperature (near 20°C) when used.
3. Transfer 10.0 g of the blank sand/soil matrix into your extraction vessel.
4. Carefully open the flame sealed ampule contained the spiking concentrate. Use caution to avoid cuts when opening the glass ampule. Be sure to note which ampule you are using, the Low Level or High Level concentrate.
5. Using a gas tight syringe, add 500  $\mu$ L (five hundred micro liters) of the spiking concentrate to the sample matrix. Add the spike below the surface of the matrix.
6. Immediately proceed with the extraction and analysis of the sample per method TX 1005.

### **REPORTING RESULTS**

1. Report results to three significant figures.
2. Report your results on line at [www.wibby.com](http://www.wibby.com). Click on the "Online Data Entry" link or the "PT Manage" link.
3. You may also report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 866-283-0269 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
4. Wibby Environmental must receive all results prior to the study closing date shown on the Data Reporting Sheets.

### **SAFETY**

These standards are designed for use by laboratory professionals who are familiar with handling environmental reference materials as well as hazardous materials. If you have any questions about the safe handling of these standards or require a Material Safety Data Sheet (MSDS,) please contact Wibby Environmental at 1-866-WibbyPT (866-942-2978).

### **QUESTIONS?**

If you have any questions regarding these standards or reporting requirements, please call Wibby Environmental at 1-866-WibbyPT (866-942-2978).

## Underground Storage Tank PT Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### TX Method 1005 in Soil (Low) (PT-TX1005-USTS1)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
2050	Total Petroleum Hydrocarbons	mg/kg	50.0 - 100	NA
9370	nC6 – nC12 (optional)	mg/kg	50.0 - 100	NA
9371	>nC12 – nC28 (optional)	mg/kg	50.0 - 100	NA
9373	>nC28 – nC35 (optional)	mg/kg	50.0 - 100	NA

### TX Method 1005 in Soil (High) (PT-TX1005-USTS2)

NELAC Code	Analyte	Units	Concentration Range	PTRL
<b>Additional State Specific Analytes</b>				
2050	Total Petroleum Hydrocarbons	mg/kg	1000 - 20000	NA
9370	nC6 – nC12 (optional)	mg/kg	1000 - 20000	NA
9371	>nC12 – nC28 (optional)	mg/kg	1000 - 20000	NA
9373	>nC28 – nC35 (optional)	mg/kg	1000 - 20000	NA