

Instructions for: UST Gasoline Additives in Soil (cat # PT-ADD-USTS)

SCOPE AND APPLICATION

Wibby Environmental's UST Gasoline Additives in Soil Proficiency Testing Standard is designed to be used for all USEPA Methods. You should be familiar with the method(s) before analyzing the standard. If you have any questions about the use of these standards, please contact Wibby Environmental Customer Service at 1-866-WibbyPT (866-942-2978).

SAMPLE PREPARATION AND ANALYSIS

1. For best results, the PT standard should be refrigerated and then brought to room temperature (near 20°C) when used.
2. The UST Gas Additives in Soil standard includes two separate containers; a VOA vial containing approximately 12 g of Blank Solid Matrix and a 2 ml flame sealed ampule containing the analytes of interest. The solvent for the Gas Additives in Soil concentrate is methanol.
3. Open the Blank Solid Matrix vial and transfer 5 g of the matrix into your sparger cell.
4. Carefully open the ampule containing the PT concentrate by snapping off the top at the narrow part of the neck.
5. Transfer exactly 50 µL (micro liters) of the PT concentrate onto the Blank Solid Matrix in the sparger cell using a gas tight syringe.
6. Add 5 ml of volatile free deionized water to the sparger cell containing the Blank Solid Matrix and PT concentrate.
7. The standard is now ready for analysis per the selected method(s).

REPORTING RESULTS

1. For the purposes of reporting results, the percent moisture of the PT standard is 0% and the sample weight is 5.0 g.
2. Report results to three significant figures.
3. Report your results on line at www.wibby.com. Click on the "Online Data Entry" link or the "PT Manage" link.
4. You may also report your results using the Data Reporting Sheets enclosed with your standards. FAX your results to Wibby Environmental at 303-940-0043 or mail the results to Wibby Environmental, 6390 Joyce Drive, #100, Golden, CO, 80403.
5. 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).

6390 Joyce Drive
100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

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.

Gas Additives in Soil (PT-ADD-USTS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
9375	DIPE	µg/kg	2.50 - 100	NA
4770	ETBE	µg/kg	2.50 - 100	NA
3820	Freon 11	µg/kg	2.50 - 100	NA
3815	Freon 113	µg/kg	2.50 - 100	NA
5000	MTBE	µg/kg	2.50 - 100	NA
9567	1-phenylpropane	µg/kg	2.50 - 100	NA
4370	TAME	µg/kg	2.50 - 100	NA
4420	tert-Butyl alcohol	µg/kg	2.50 - 100	NA