

Usage Request Form – IITK Users

SEE Material Characterization – GCMS, GC-TCD/FID

Sustainable Energy Engineering, IIT Kanpur

Date:

Name (PF/Roll No): _____			Supervisor's Name: _____			
Email/Phone No: _____			Department: _____			
Analysis ☐ GCMS ☐ GC-TCD/FID			Parameters			
S. No.	Sample Name/ Code	Hazardous (Y/N)	Solvent & Its B. P.	Sample Solvent & Injection Vol. (mL)	Flow Rate (mL/min)	Expected Mass & Its B.P.
Required Column						
GCMS			GC-TCD/FID			
☐ HP-5 MS - Higher Hydrocarbon ☐ HP-5 MS UI - Semivolatiles, Halogenated Compounds, Amines ☐ DB-WAX - Analyzing compounds with polar functional groups ☐ DB-624 - Volatile Organic Compounds			☐ PoraPLOT U - Light hydrocarbons, permanent gases, VOCs ☐ CP-Molsieve 5A: O ₂ , N ₂ , CO, CH ₄ , Ar - permanent gas separation ☐ MS 5A - Permanent gases and small molecules ☐ HayeSep Q - C ₁ -C ₄ hydrocarbons, CO ₂ , light alcohols, H ₂ S			
Sample Preparation Checklist: ☐ Sample is fully soluble in a suitable organic solvent. ☐ Sample and Calibration Standards filtered through ≤ 0.22 µm filter. ☐ Sample volume is at least 1 mL per injection. ☐ Sample solvent & chemistry compatible with selected column/detector (no strong acids/bases/polymers) ☐ If hazardous, MSDS or safety info provided.						
LAB USE	Date		Booking No		User's Signature	
	Done By		Log Page No			

Kindly transfer Rs. _____ (_____ in words) from Project No. _____
expiring on _____, to Account No. LDA/IITK/SEE/2025265.

Head/PI/Supervisor

Facility Coordinator