


Methods , IAAC, Kurz

<h2>Gas chromatography</h2>	Model: Perkin Elmer Clarus 480 GC Unit and Room: Inorg. Chem, R 035 (Chem II) Responsible: A. Manke Further Information: manual
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<p>Short description:</p> <p>Very sensitive qualitative and quantitative analysis of the volatile inorganic and organic components in a complex compound mixture by separation using a GC column.</p> <p>Two determination modes:</p> <ul style="list-style-type: none"> -packed molecular sieve column with TCD detector (for permanent gases like H₂, O₂, N₂,...) - capillary column with FID detector for volatile organics 	<p>Picture of the Equipment</p> 
<p>Available Experiments/Techniques:</p> <p>analysis of permanent gases as well as mixtures of volatile organic compounds</p> <p>automatic/manual integration and calibration</p>	

<p>Special Equipment:</p> <p>injection: either manual or using an headspace autosampler</p>

<p>Measurements on the Equipment are currently done by:</p>	<input type="checkbox"/> Students <input type="checkbox"/> Students after Introduction <input type="checkbox"/> Students after intensive training <input checked="" type="checkbox"/> Trained scientific service personal
<p>Recent publications, where this equipment was important</p>	<p>none</p>
<p>typical problems that may be solved with this instrument:</p>	<p>separation and quantification of permanent gases or volatile organic components</p>