

題號： 94
科目：分析化學(A)
節次： 1

國立臺灣大學 104 學年度碩士班招生考試試題

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- (1) Describe the principle of the chromatographic method. (10%) What are the differences between gas chromatography and high-performance liquid chromatography. (10%)
- (2) The chloride in seawater is traditionally measured by a AgCl titration method. Give the details of the method. (10%).
- (3) Calculate the ionic strength of (a) 0.1 F KNO_3 (b) 0.1 F Na_2SO_4 (c) 0.05 F KNO_3 + 0.01 F Na_2SO_4 (30%)
- (4) A moon rock was collected by Apollo XI and delivered to you. Can you give write down a systematic layout of methods and instruments describing how to measure the rare earth elements in that rock. (20%)
- (5) The bottom mud in the Dan-Shuei River may contain pesticides. Describe at least one reasonable method to detect those pollutants. (20%)

試題隨卷繳回