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Waters Application Library

CIA Analysis of Anions in Wastewater

CIA Application Library

Compound:Chloride; Nitrate; Nitrite; Fluoride; Formate; Phosphate; SulfateType:Wastewater SampleMatrix:WaterSecondary Matrix:Vater

Conditions:

Column / Capillary: AccuSep Column / Capillary Dimensions: 75 um by 60 cm Column / Capillary Part Number: WAT25002 Flow Rate / Voltage: -15 KV Temperature: 30 degrees C Injection Volume / Type: Hydrostatic Injection Conditions: 30 seconds Sample Concentration: low ppm each Sample Preparation: Dilute 1:10 Run Time: 5 min.

Mobile Phase / Electrolyte: Improved Chromate Electrolyte N601DGradient Conditions:Detection (Primary):254 nm IndirectDetection (Secondary):

Instrumentation /System:

Waters Q4000E Millennium Chromatography Manager V2.1 Control

Chromatogram / Electropherogram: CIA Analysis of Wastewater-Anions

Chromate Electrolyte N601D



Objectives:

Evaluate CIA selectivity for the analysis of anions in wastewater.

Details:

CIA has the selectivity, sensitivity and robustness to be used for the quantitation of various components in wastewater. No sample preparation is neccessary.

Ordering Information:

Part Number	Description	Quantity