

VA Application Note No. V-72

Title: NTA and EDTA in waste water

Summary: NTA and EDTA can be determined as their bismuth complexes at the DME.

Sample: Waste water

Sample preparation: Elution over a column with unpolar adsorption resin and a column with strong acidic ion exchanger

NTA and EDTA:

Electrolyte: $\text{HNO}_3 + \text{KNO}_3 + \text{ascorbic acid}$

AE: Pt

RE: Ag/AgCl/KCl 3 mol/L

Parameters: DME

Determination: +100 mV to -600 mV

Peak potential NTA: -220 mV

Peak potential EDTA: -450 mV

Results:

NTA	EDTA
2.3 mg/L	0.65 mg/L

Determination of NTA and EDTA

