VA Application Note No. V-1

Title:	Iron, cadmium, lead and copper in cobalt acetate solution			
Summary:	Determination of Fe, Pb, Cd and Cu in $Co(Ac)_2$ solution using the MME.			
Sample:	Co(Ac) ₂ 5.5%			
Sample	none			
Preparation:				
Iron:				
Electrolyte:	Catechol, Pipes buffer, $pH = 7.0$			
AE:	Pt			

RE:	Ag/AgCI/KCI 3M
Parameters:	DPCSV (–50 mV), HMDE $U_{meas} = -100 \text{ mV}$ (60s), $U_{start} = -100 \text{ mV}$, $U_{end} = -700 \text{ mV}$ Ep (Fe) = -405 mV

Cadmium, lead, copper:				
Electrolyte:	none			
AE: RE:	Pt Ag/AgCI/KCI 3M			
Parameters:	DPASV (+50 mV), HMDE $U_{meas} = -800 \text{ mV}$ (90s), $U_{start} = -800 \text{ mV}$, $U_{end} = +200 \text{ mV}$ Ep (Cd) = -500 mV, Ep (Pb) = -320 mV, Ep (Cu) = +100 mV			

Results:	Fe	Cd	Pb	Cu
	mg/L	mg/L	mg/L	mg/L
	4.6	1.1	2.2	0.3

Determination of cadmium, lead and copper



Determination of iron

