

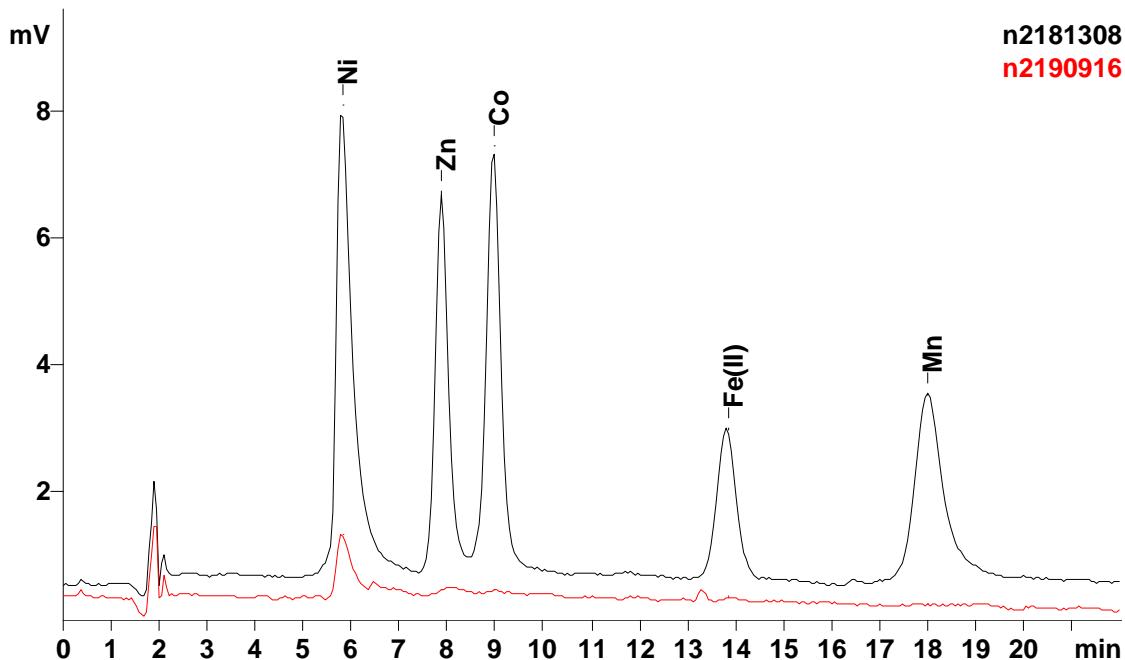
# IC Application Note No. U-1

<b>Title:</b>	Nickel, zinc, cobalt, iron(II) and manganese in lithium bromide using post-column reaction
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<b>Summary:</b>	Determination of nickel, zinc, iron(II) and manganese in lithium bromide using cation chromatography with UV/VIS detection (520 nm) after post-column reaction.
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<b>Sample:</b>	Lithium bromide
<b>Sample Preparation:</b>	10 g/L lithium bromide diluted 1 : 45 with 20 mmol/L ascorbic acid

<b>Column:</b>	6.1010.220 Metrosep C 2 – 150
<b>Eluent:</b>	1.75 mmol/L oxalic acid acid, 2.0 mmol/L ascorbic acid
<b>Flow:</b>	1.0 mL/min
<b>PCR reagent:</b>	0.2 mmol/L PAR, 2.44 mol/L ammonia, 1 mol/L acetic acid
<b>PCR Flow:</b>	0.5 mL/min
<b>Injection Volume:</b>	20 µL



<b>Results:</b>	Nickel µg/L	Zinc µg/L	Cobalt µg/L	Iron(II) µg/L	Manganese µg/L
Sample (n2190916) in 10 g/L sol.	995	n.d.	n.d.	n.d.	n.d.
Spiked (n2181308) in injected sol.	172	150	150	150	150