
Method parameters

Method : AB416_Determination As(III) with scTRACE Gold.mth
Title : Determination of As(III) with the scTRACE Gold
Remark1 : 10 mL sample + 2 mL electrolyte
Remark2 : Electrolyte: 1 M sulfamic acid, 0.5 M citric acid, 0.45 M KCl

Calibration : Standard addition
Technique : Batch
Addition : Manual

Sample ID : Sample
Sample amount (mL): 10.000
Cell volume (mL): 12.000

Voltammetric parameters

Mode : SqW - Square Wave

Highest current range : 10 mA
Lowest current range : 100 nA

Electrode : SSE/RDE
Stirrer speed (rpm) : 2000

Initial electr. conditioning : No

No. of additions : 2
No. of replications : 2

Measure blank : No
Addition purge time (s) : 10

Initial purge time (s) : 10

Conditioning cycles
Start potential (V) : -0.200
End potential (V) : 1.000
No. of cycles : 5

Hydrodynamic (measurement) : No
Cleaning potential (V) : -0.500
Cleaning time (s) : 60.000
Deposition potential (V) : -0.250
Deposition time (s) : 5.000

Sweep
Equilibration time (s) : 5.000
Start potential (V) : -0.300
End potential (V) : 0.400
Voltage step (V) : 0.010
Amplitude (V) : 0.020
Frequency (Hz) : 100.000
Sweep rate (V/s) : 0.992

Cell off after measurement : Yes

Peak evaluation

```
-----
Regression technique      : Linear Regression
Peak evaluation           : Height
Minimum peak width (V.steps) : 5
Minimum peak height (A)   : 1.000e-010
Reverse peaks            : No
Smooth factor            : 4
Eliminate spikes         : Yes

```

Substances

```
-----
As(III)                  : 0.000 V   +/- 0.050 V

Standard solution        : 2    0.500 mg/L
Addition volume (mL)     : 0.050

Arsenic(III)             : Final result (As(III)) =
                          Conc * (12 / 10) * (1e+006 / 1) + 0 - 0

```

Baseline

Substance Addition		automatic	start (V)	end (V)	type	scope
As(III)	Sample	yes	---	---	linear	wholePeak
	Addition 1	yes	---	---	linear	wholePeak
	Addition 2	yes	---	---	linear	wholePeak

Solutions

```
-----
No. Content                                     Predose (mL)
--- -----

```

Export options

```
-----
Export final results as ASCII:  no

Export final results as CSV:    no

Export final results as XML:    no

Export determination to AutoDB: no

```