

Benzene and VCM traces in Drinking Water



Column: **MEGA-VOC I** - 0.25mm, 1.40 μ m, 50m
Catalog Code: C-VOC1-025-140-50

USP G43 phase

Conditions:

Injection: Splitless (1 min), 300°C.

Detector: FID 260°C.

Oven Program: 70°C (4min), 20°C/min, 160°C (3min).

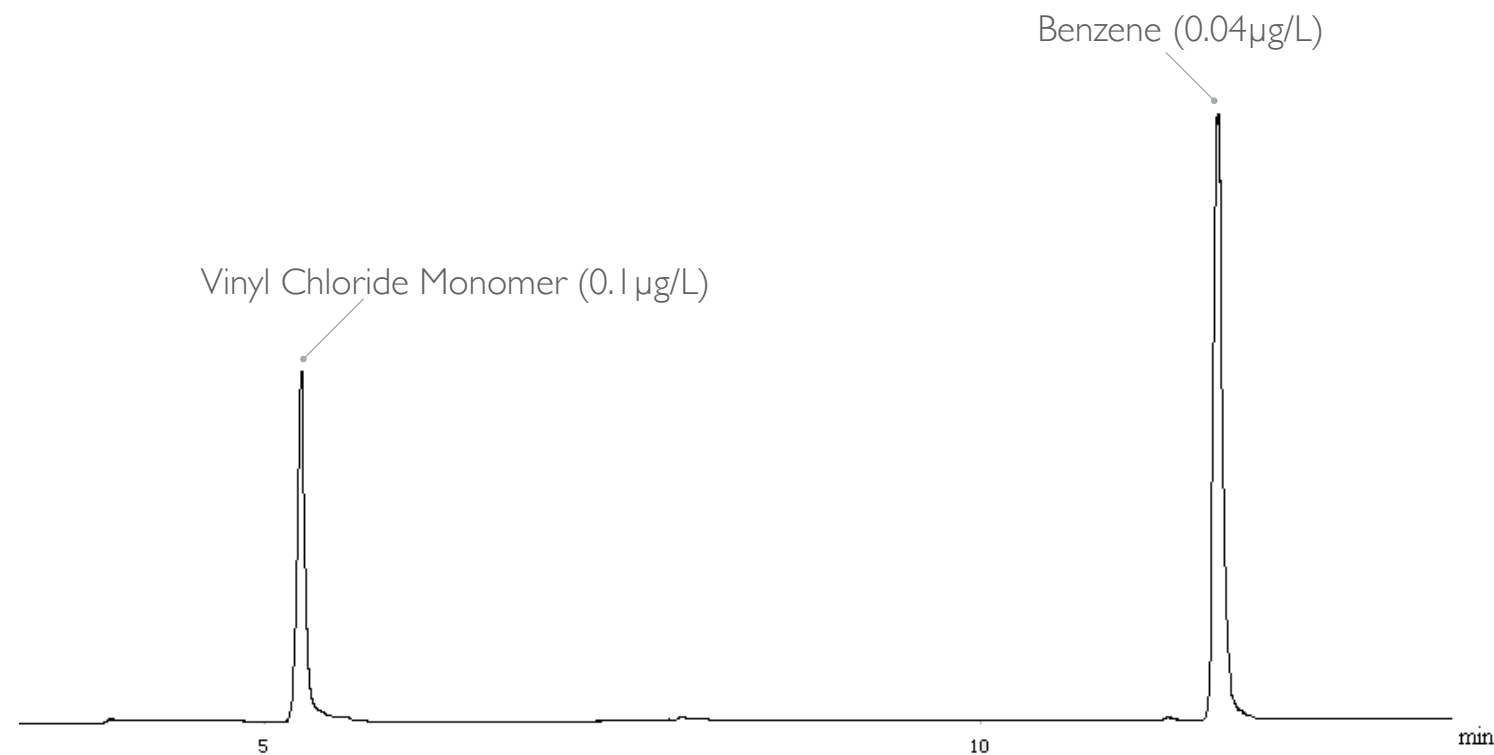
Carrier Gas: Helium, 1 mL/min.

Sampling: 10mL of drinking water + 25% of NaCl.

Extraction: HS-SPME (CAR/PDMS 85 μ m fiber, 2min of magnetic stirring, 20min of fiber exposition time @ 50°C, 4min of desorption time.

Sample:

Natural water added with a standard mix, VCM (0.1 μ g/L), Benzene (0.04 μ g/L).



Acknowledgments: analysis carried out by **Dr. Vanessa Giannetti** and **Prof. M. Boccacci Mariani**, Università di Roma "Sapienza", Laboratorio di Merceologia (Dipartimento di Management), Via del Castro Laurenziano, 9 - 00161 Roma.



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