Attachment no.2 to the certificate of analysis for work order PR19D0810

VOC screening

Sample PR19D0810 – 001

GC/MS screening of volatile compounds in the water sample

Prague 11. 12. 2019

Client: N Press, s.r.o.

Client sample name:

PR19D0810 – 001 = kanál

Laboratory: Organic Department – VOC section

Responsible: Martin Landa – VOC Section Supervisor

Kamila Fišerová – VOC Analyst

Analysis:

The sample was prepared and analyzed according to CZ_SOP_D06_03_190 Low limit determination of volatile organic compounds by gas chromatography method with MS detection.

Accredited results:

All accredited analytes are reported in the Certificate of Analysis.

GC-MS screening results:

The NIST library was used in order to identify volatile organic compounds in the sample. The results of screening (non-accredited method) are listed in the Table 1 for the sample PR19D0810 – 001 (=kanál).

Table 1 VOC screening – results of compounds identified in the sample PR19D0810 – 001 (=kanál)

No.	NIST probability	Analyte	RT	Result (ug/l)
1	100%	Vinyl chloride	1.258	0.36
2	100%	Methyl tert-Butyl Ether (MTBE)	2.964	0.34
3	100%	Ethyl tert-Butyl Ether (ETBE)	3.682	0.10
4	100%	1.2-Dichloroethane	4.617	0.11
5	100%	meta- and para-Xylene	8.551	0.29
6	100%	ortho-Xylene	9.040	0.25
7	100%	2-Chlorotoluene	10.187	1.58
8	100%	4-Chlorotoluene	10.380	0.57
9	100%	1.2.4-Trimethylbenzene	10.974	0.10
10	100%	1.3-Dichlorobenzene	11.402	58.05
11	100%	1.4-Dichlorobenzene	11.609	66.20
12	100%	1.2-Dichlorobenzene	12.317	116.56
13	100%	1.3.5-Trichlorobenzene	14.594	2.55
14	100%	1.2.4-Trichlorobenzene	16.154	131.27
15	100%	1.2.3-Trichlorobenzene	17.347	39.80