



Attachment no.2 to the certificate of analysis for work order PR19D0808

VOC screening

Sample PR19D0808 - 001

GC/MS screening of volatile compounds in the water sample

Prague 11. 12. 2019



Client: N Press, s.r.o.

Client sample name:

PR19D0808 – 001 = šachta

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 PR19D0808 – 001 (=šachta).

Table 1 VOC screening – results of compounds identified in the sample PR19D0808 – 001 (=šachta)

No.	NIST probability	Analyte	RT	Result (ug/l)
1	100%	Vinyl chloride	1.258	0.47
2	100%	Methyl tert-Butyl Ether (MTBE)	2.964	0.19
3	100%	meta- and para-Xylene	8.551	0.23
4	100%	ortho-Xylene	9.040	0.18
5	100%	2-Chlorotoluene	10.187	1.00
6	100%	4-Chlorotoluene	10.380	0.41
7	100%	1.3-Dichlorobenzene	11.402	38.78
8	100%	1.4-Dichlorobenzene	11.609	55.26
9	100%	1.2-Dichlorobenzene	12.317	69.88
10	100%	1.3.5-Trichlorobenzene	14.594	1.72
11	100%	1.2.4-Trichlorobenzene	16.154	76.49
12	100%	1.2.3-Trichlorobenzene	17.347	22.50