

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077889.D
 Acq On : 25 May 2023 08:11
 Operator : JC\MD
 Sample : 02888-01
 Misc : 4.99g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-H4(BHF)

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 08:36:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	413768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	753914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	704092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	373366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	263527	42.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.140%		
35) Dibromofluoromethane	8.171	113	219075	44.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	10.577	98	1001975	52.951	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.900%		
62) 4-Bromofluorobenzene	12.859	95	403293	60.345	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	120.680%		
Target Compounds					Qvalue	
31) Cyclohexane	8.253	56	326693m	38.825	ug/l	
39) Methylcyclohexane	9.606	83	1297734	147.416	ug/l	92
40) Benzene	8.612	78	16606982	782.629	ug/l	98
52) Toluene	10.624	92	23369613m	1769.060	ug/l	
67) Ethyl Benzene	11.959	91	22306717m	815.495	ug/l	
68) m/p-Xylenes	12.065	106	21591982m	2083.255	ug/l	
69) o-Xylene	12.406	106	11484689	1126.728	ug/l	71
73) Isopropylbenzene	12.700	105	2132640	66.264	ug/l	100
78) n-propylbenzene	13.041	91	5031530	132.607	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	5687088	210.246	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	15101700	567.671	ug/l	93
85) sec-Butylbenzene	13.624	105	200362m	5.970	ug/l	
86) p-Isopropyltoluene	13.735	119	306238m	11.446	ug/l	
89) n-Butylbenzene	14.065	91	376688	15.307	ug/l #	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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The chromatogram displays the abundance of various chemical compounds over time. The y-axis represents Abundance, ranging from 0 to 1.05e+08. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Approximate Retention Time (min)
Chlorobenzene-d5, S	8.2
1,2-Dichloroethane-d4, S	8.5
1,2-Dichloroethane-d4, T	8.8
1,4-Difluorobenzene, I	9.2
Methylcyclohexane, T	9.8
Toluene-d8, S	10.8
Toluene, C/M	11.0
Chlorobenzene-d5, I	12.0
Ethyl Benzene, C	12.2
m,p-Xylenes, T	12.5
o-Xylene, T	12.8
Isopropylbenzene, T	13.2
4-Bromofluorobenzene, S	13.5
n-Propylbenzene, T	13.8
1,3,5-Trimethylbenzene, T	14.0
sec-Butylbenzene, T	14.2
1,2,4-Trimethylbenzene, T	14.5
n-Butylbenzene, T	14.8