

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088327.D
 Acq On : 20 Nov 2025 13:25
 Operator : JC\MD
 Sample : Q3689-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 251119071-01 VOA

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/21/2025
 Supervised By :Semsettin Yesilyurt 11/21/2025

Quant Time: Nov 21 03:01:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27555	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.076	114	217180	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	175833	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	83680m	33.246	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.833%#			
60) 4-Bromofluorobenzene	12.829	95	81767	27.509	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.700%			
63) Toluene-d8	10.541	98	259939	31.226	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.100%			
Target Compounds						
8) Diethyl Ether	3.959	74	6820	6.163	ug/l	Qvalue 84
15) Acetone	4.459	58	73163m	225.238	ug/l	
25) Chloroform	7.947	83	6162m	1.754	ug/l	
34) Benzene	8.582	78	52873	4.881	ug/l #	93
58) 4-Methyl-2-Pentanone	10.435	43	32118m	8.076	ug/l	
62) Toluene	10.606	91	259813	25.749	ug/l	98
64) Chlorobenzene	11.870	112	15603	2.497	ug/l	95
66) Ethyl Benzene	11.941	91	145041	13.042	ug/l	99
67) m/p-Xylenes	12.047	106	52869	12.712	ug/l	100
68) o-Xylene	12.376	106	29110	7.420	ug/l	99
70) Isopropylbenzene	12.670	105	19650	1.890	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	11600	1.329	ug/l	90
80) 1,2,4-Trimethylbenzene	13.459	105	39646	4.568	ug/l	94
82) p-Isopropyltoluene	13.706	119	96738	10.742	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	17631	3.817	ug/l	97
91) Naphthalene	15.611	128	295534	33.813	ug/l	99

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

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