

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087397.D
 Acq On : 22 Jul 2025 18:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 05:58:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	26965	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	121954	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	118687	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	65659	32.318	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.733%			
60) 4-Bromofluorobenzene	12.829	95	57236	31.251	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.167%			
63) Toluene-d8	10.547	98	164251	30.822	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.733%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	20009	12.327	ug/l	99
3) Chloromethane	2.383	50	22678	13.679	ug/l	93
4) Vinyl Chloride	2.542	62	25395	14.094	ug/l	92
5) Bromomethane	2.989	94	11917	12.462	ug/l	95
6) Chloroethane	3.136	64	21935	22.694	ug/l	92
7) Trichlorofluoromethane	3.512	101	50287	22.753	ug/l	98
8) Diethyl Ether	3.959	74	20313	18.707	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	26580	16.221	ug/l	88
10) 1,1-Dichloroethene	4.330	96	25370	15.532	ug/l	87
11) Methyl Iodide	4.589	142	13999	9.566	ug/l	96
12) Methyl Acetate	5.018	43	44196	17.249	ug/l	92
13) Acrolein	4.177	56	35346	89.779	ug/l	98
14) Acrylonitrile	5.718	53	88332	73.912	ug/l	97
15) Acetone	4.424	58	30835	88.451	ug/l #	61
16) Carbon Disulfide	4.706	76	57547	12.050	ug/l #	93
17) Allyl chloride	5.006	41	36049	13.380	ug/l	89
18) Methylene Chloride	5.265	84	29357	15.514	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	25983	14.546	ug/l	97
20) Diisopropyl ether	6.659	45	91185	15.953	ug/l #	96
21) 1,1-Dichloroethane	6.559	63	50613	14.815	ug/l #	95
22) cis-1,2-Dichloroethene	7.477	96	31564	15.182	ug/l	99
23) tert-Butyl Alcohol	5.518	59	33185	73.835	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	92069	16.071	ug/l #	85
25) Chloroform	7.953	83	58690	17.932	ug/l	99
26) Cyclohexane	8.247	56	30527	10.750	ug/l #	78
29) 1,1-Dichloropropene	8.353	75	33844	17.805	ug/l	96
30) 2-Butanone	7.471	43	131149	102.283	ug/l	97
31) 2,2-Dichloropropane	7.477	77	47667	20.774	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	48394	21.793	ug/l #	85
33) Carbon Tetrachloride	8.347	117	41262	22.079	ug/l	94
34) Benzene	8.588	78	111159	18.459	ug/l	97
35) Methacrylonitrile	7.759	41	24679	19.098	ug/l	94
36) 1,2-Dichloroethane	8.653	62	47009	24.161	ug/l #	86
37) Trichloroethene	9.335	130	25611	18.439	ug/l	82
38) Methylcyclohexane	9.582	83	30602	14.031	ug/l	96
39) 1,2-Dichloropropane	9.606	63	29381	19.439	ug/l	98
40) Dibromomethane	9.688	93	22286	21.684	ug/l	97
41) Bromodichloromethane	9.871	83	46619	22.473	ug/l #	96
42) Vinyl Acetate	6.594	43	369630	88.631	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	50490m	21.813	ug/l	
44) Isopropyl Acetate	8.677	43	78587	20.838	ug/l	95
45) 1,4-Dioxane	9.677	88	11499	450.747	ug/l #	84
46) Methyl methacrylate	9.665	41	35234	20.097	ug/l	87
47) n-amyl Acetate	12.512	43	47038m	20.401	ug/l	
48) t-1,3-Dichloropropene	10.818	75	44969	19.445	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	48086	19.559	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	30158	20.657	ug/l	95
51) Ethyl methacrylate	10.853	69	42512	19.132	ug/l	94
52) 1,3-Dichloropropane	11.141	76	49726	19.840	ug/l	96
53) Dibromochloromethane	11.341	129	36030	23.511	ug/l	99
54) 1,2-Dibromoethane	11.447	107	31457	20.885	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	130496	102.456	ug/l	100
56) Bromoform	12.559	173	23633	22.433	ug/l #	97
58) 4-Methyl-2-Pentanone	10.430	43	270597	113.408	ug/l	93
59) 2-Hexanone	11.182	43	173968	112.912	ug/l	88
61) Tetrachloroethene	11.082	164	21561	18.344	ug/l	87
62) Toluene	10.612	91	123384	18.407	ug/l	99
64) Chlorobenzene	11.871	112	78033	18.250	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	30955	21.910	ug/l	93
66) Ethyl Benzene	11.941	91	124808	17.011	ug/l	97
67) m/p-Xylenes	12.053	106	97885	34.815	ug/l	98
68) o-Xylene	12.376	106	45761	17.060	ug/l	94
69) Styrene	12.394	104	82455	17.905	ug/l	98
70) Isopropylbenzene	12.676	105	118676	17.765	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	47792	19.875	ug/l	95
72) 1,2,3-Trichloropropane	12.976	75	40120m	19.348	ug/l	
73) Bromobenzene	12.959	156	32325	19.947	ug/l	93
74) n-propylbenzene	13.012	91	154101	18.882	ug/l	100
75) 2-Chlorotoluene	13.106	91	91861	18.630	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	103162	18.969	ug/l	100
77) t-1,4-Dichloro-2-butene	12.723	75	12891	14.015	ug/l	97
78) 4-Chlorotoluene	13.200	91	99532	19.709	ug/l	98
79) tert-butylbenzene	13.418	119	86556	18.934	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	105651	19.346	ug/l	99
81) sec-Butylbenzene	13.594	105	126386	19.018	ug/l	100
82) p-Isopropyltoluene	13.706	119	104516	18.899	ug/l	95
83) 1,3-Dichlorobenzene	13.712	146	63431	20.327	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	61300	19.518	ug/l	97
85) n-Butylbenzene	14.035	91	97670	19.357	ug/l	96
86) Hexachloroethane	14.312	117	22588	21.577	ug/l	90
87) 1,2-Dichlorobenzene	14.088	146	61289	20.830	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	11177	20.643	ug/l	93
89) 1,2,4-Trichlorobenzene	15.812	180	35027	21.041	ug/l	100
90) Hexachlorobutadiene	15.476	225	15022	30.409	ug/l	97
91) Naphthalene	15.617	128	112171	17.121	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	35027	21.041	ug/l	100

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

