

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087726.D
 Acq On : 04 Sep 2025 16:44
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025
 Supervised By :Mahesh Dadoda 09/05/2025

Quant Time: Sep 05 02:56:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 02:54:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	42809	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	211459	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	198266	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	107398	27.862	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.867%		
60) 4-Bromofluorobenzene	12.829	95	96997	28.768	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.900%		
63) Toluene-d8	10.547	98	279660	30.528	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.767%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	49949	18.465	ug/l	100
3) Chloromethane	2.383	50	51138	18.521	ug/l	100
4) Vinyl Chloride	2.542	62	57095	19.294	ug/l	100
5) Bromomethane	2.977	94	31609	19.377	ug/l	100
6) Chloroethane	3.142	64	38748	19.998	ug/l	100
7) Trichlorofluoromethane	3.512	101	82866	19.315	ug/l	100
8) Diethyl Ether	3.954	74	33334	18.728	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	45396	20.339	ug/l	100
10) 1,1-Dichloroethene	4.342	96	44944	19.539	ug/l	100
11) Methyl Iodide	4.583	142	26688	14.779	ug/l	100
12) Methyl Acetate	5.018	43	72499	17.391	ug/l	100
13) Acrolein	4.177	56	61563	94.456	ug/l	100
14) Acrylonitrile	5.718	53	149903m	83.131	ug/l	
15) Acetone	4.430	58	45452	88.853	ug/l	100
16) Carbon Disulfide	4.706	76	124233	17.652	ug/l	100
17) Allyl chloride	5.018	41	72506	15.970	ug/l	100
18) Methylene Chloride	5.265	84	50199	17.300	ug/l	100
19) trans-1,2-Dichloroethene	5.777	96	47153m	17.562	ug/l	
20) Diisopropyl ether	6.659	45	169008	16.339	ug/l	100
21) 1,1-Dichloroethane	6.553	63	93521	17.386	ug/l	100
22) cis-1,2-Dichloroethene	7.465	96	56746	17.275	ug/l	100
23) tert-Butyl Alcohol	5.530	59	54584	72.820	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	158036	15.680	ug/l	100
25) Chloroform	7.953	83	99433	17.558	ug/l	100
26) Cyclohexane	8.241	56	69837	16.417	ug/l #	100
29) 1,1-Dichloropropene	8.353	75	63171	18.638	ug/l	100
30) 2-Butanone	7.471	43	213338	86.904	ug/l	100
31) 2,2-Dichloropropane	7.471	77	69833	16.445	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	81988	18.860	ug/l	100
33) Carbon Tetrachloride	8.341	117	65653	18.352	ug/l	100
34) Benzene	8.588	78	203295	18.914	ug/l	100
35) Methacrylonitrile	7.765	41	48528	18.198	ug/l	100
36) 1,2-Dichloroethane	8.653	62	78112	18.230	ug/l	100
37) Trichloroethene	9.336	130	45484	19.215	ug/l	100
38) Methylcyclohexane	9.583	83	67168	17.371	ug/l	100
39) 1,2-Dichloropropane	9.600	63	52783	19.162	ug/l	100
40) Dibromomethane	9.688	93	38777	18.828	ug/l	100
41) Bromodichloromethane	9.871	83	80402	18.694	ug/l	100
42) Vinyl Acetate	6.589	43	706403	87.467	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	91142	18.839	ug/l	100
44) Isopropyl Acetate	8.677	43	140215	17.422	ug/l	100
45) 1,4-Dioxane	9.677	88	18742	363.739	ug/l	100
46) Methyl methacrylate	9.665	41	62431	16.572	ug/l	100
47) n-amyl Acetate	12.671	43	73018m	15.604	ug/l	
48) t-1,3-Dichloropropene	10.818	75	78438	17.108	ug/l	100
49) cis-1,3-Dichloropropene	10.288	75	79831	17.252	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	49901	19.075	ug/l	100
51) Ethyl methacrylate	10.853	69	72347	16.207	ug/l	100
52) 1,3-Dichloropropane	11.141	76	87839	18.729	ug/l	100
53) Dibromochloromethane	11.335	129	51982	17.456	ug/l	100
54) 1,2-Dibromoethane	11.447	107	51152	18.556	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	225137	93.348	ug/l	100
56) Bromoform	12.559	173	34081	17.274	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	432636	88.189	ug/l	100
59) 2-Hexanone	11.177	43	276879	83.339	ug/l	100
61) Tetrachloroethene	11.082	164	36848	19.253	ug/l	100
62) Toluene	10.612	91	221067	18.530	ug/l	100
64) Chlorobenzene	11.871	112	132910	18.156	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.935	131	46772	18.150	ug/l	100
66) Ethyl Benzene	11.941	91	230526	17.532	ug/l	100
67) m/p-Xylenes	12.047	106	169788	35.082	ug/l	100
68) o-Xylene	12.377	106	84505	17.701	ug/l	100
69) Styrene	12.388	104	142280	17.520	ug/l	100
70) Isopropylbenzene	12.676	105	205573	17.117	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	79973	19.086	ug/l	100
72) 1,2,3-Trichloropropane	12.971	75	84570m	21.633	ug/l	
73) Bromobenzene	12.953	156	51969	18.305	ug/l	100
74) n-propylbenzene	13.012	91	266688	17.651	ug/l	100
75) 2-Chlorotoluene	13.106	91	164311	17.679	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	178698	17.339	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	24084	16.407	ug/l	100
78) 4-Chlorotoluene	13.200	91	166605	17.614	ug/l	100
79) tert-butylbenzene	13.418	119	149770	17.250	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	185683	17.861	ug/l	100
81) sec-Butylbenzene	13.594	105	221613	17.504	ug/l	100
82) p-Isopropyltoluene	13.706	119	179893	17.164	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	104338	19.181	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	102608	18.737	ug/l	100
85) n-Butylbenzene	14.035	91	169464	16.646	ug/l	100
86) Hexachloroethane	14.312	117	37845	18.193	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	96835	18.773	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	18320	17.534	ug/l	100
89) 1,2,4-Trichlorobenzene	15.812	180	52849	17.337	ug/l	100
90) Hexachlorobutadiene	15.470	225	19260	16.481	ug/l	100
91) Naphthalene	15.612	128	190673	16.595	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	52849	17.337	ug/l	100

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

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