

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087765.D
 Acq On : 09 Sep 2025 09:59
 Operator : JC\MD
 Sample : VN0909WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Quant Time: Sep 10 02:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/10/2025
 Supervised By :Mahesh Dadoda 09/10/2025

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

Internal Standards						
1) Bromochloromethane	7.789	128	49254m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	259436	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	243037	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	128494	30.540	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%			
60) 4-Bromofluorobenzene	12.824	95	116971	29.932	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.767%			
63) Toluene-d8	10.541	98	340388	30.116	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	58680	19.169	ug/l	95
3) Chloromethane	2.383	50	62725	19.519	ug/l	98
4) Vinyl Chloride	2.536	62	71215	19.605	ug/l	99
5) Bromomethane	2.983	94	41640	19.540	ug/l	85
6) Chloroethane	3.142	64	48104	19.376	ug/l #	82
7) Trichlorofluoromethane	3.518	101	103143	19.371	ug/l	96
8) Diethyl Ether	3.965	74	44488	19.786	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	56390	19.552	ug/l	82
10) 1,1-Dichloroethene	4.336	96	55852	18.784	ug/l	90
11) Methyl Iodide	4.583	142	40436	19.212	ug/l	86
12) Methyl Acetate	5.018	43	84881	18.519	ug/l	96
13) Acrolein	4.177	56	67197	82.340	ug/l #	39
14) Acrylonitrile	5.700	53	180858	91.671	ug/l	99
15) Acetone	4.418	58	57691	93.736	ug/l	98
16) Carbon Disulfide	4.712	76	156901	19.219	ug/l	97
17) Allyl chloride	5.012	41	88904	18.306	ug/l	97
18) Methylene Chloride	5.265	84	64179	19.054	ug/l	91
19) trans-1,2-Dichloroethene	5.771	96	58078	19.152	ug/l	94
20) Diisopropyl ether	6.659	45	206727	18.510	ug/l	96
21) 1,1-Dichloroethane	6.553	63	115462	18.879	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	68625	18.644	ug/l	98
23) tert-Butyl Alcohol	5.512	59	59237	84.938	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	199042	18.750	ug/l #	56
25) Chloroform	7.947	83	121551	18.987	ug/l	97
26) Cyclohexane	8.236	56	84922	18.233	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	76984	18.259	ug/l	98
30) 2-Butanone	7.471	43	255631	88.012	ug/l	98
31) 2,2-Dichloropropane	7.465	77	96798	19.045	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	101274	18.946	ug/l #	83
33) Carbon Tetrachloride	8.347	117	83539	18.743	ug/l	97
34) Benzene	8.583	78	251203	18.434	ug/l	96
35) Methacrylonitrile	7.765	41	55675	18.326	ug/l	98
36) 1,2-Dichloroethane	8.653	62	99026	19.239	ug/l	96
37) Trichloroethene	9.336	130	54896	18.022	ug/l	100
38) Methylcyclohexane	9.583	83	86347	18.599	ug/l	99
39) 1,2-Dichloropropane	9.600	63	65889	18.879	ug/l	98
40) Dibromomethane	9.688	93	48040	18.496	ug/l	97
41) Bromodichloromethane	9.865	83	99095	18.667	ug/l	95
42) Vinyl Acetate	6.589	43	867645	89.407	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	107829	18.171	ug/l	99
44) Isopropyl Acetate	8.671	43	170053	18.280	ug/l	100
45) 1,4-Dioxane	9.677	88	19687	335.571	ug/l #	90
46) Methyl methacrylate	9.659	41	77012	17.960	ug/l	96
47) n-amyl Acetate	12.541	43	105131m	16.723	ug/l	
48) t-1,3-Dichloropropene	10.818	75	100794	18.281	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	105741	18.724	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	61434	18.313	ug/l	94
51) Ethyl methacrylate	10.859	69	92999	17.813	ug/l	96
52) 1,3-Dichloropropane	11.141	76	107500	18.454	ug/l	97
53) Dibromochloromethane	11.335	129	67736	18.008	ug/l	93
54) 1,2-Dibromoethane	11.447	107	62373	17.869	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	265059	88.611	ug/l	97
56) Bromoform	12.559	173	42334	17.234	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	518093	90.157	ug/l	99
59) 2-Hexanone	11.177	43	327910	87.325	ug/l	96
61) Tetrachloroethene	11.082	164	45155	18.661	ug/l	96
62) Toluene	10.606	91	267114	18.170	ug/l	99
64) Chlorobenzene	11.871	112	170327	18.877	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	58355	18.370	ug/l	97
66) Ethyl Benzene	11.941	91	292293	18.430	ug/l	96
67) m/p-Xylenes	12.047	106	215169	36.548	ug/l	95
68) o-Xylene	12.377	106	103645	18.157	ug/l	95
69) Styrene	12.388	104	176063	17.746	ug/l	99
70) Isopropylbenzene	12.676	105	267394	18.475	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	95144	18.286	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	92472m	18.100	ug/l	
73) Bromobenzene	12.959	156	64305	18.159	ug/l	99
74) n-propylbenzene	13.012	91	339310	18.580	ug/l	100
75) 2-Chlorotoluene	13.106	91	199499	18.151	ug/l	96
76) 1,3,5-Trimethylbenzene	13.147	105	228194	18.670	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	29451	17.079	ug/l	90
78) 4-Chlorotoluene	13.200	91	213252	19.245	ug/l	97
79) tert-butylbenzene	13.418	119	190721	18.633	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	229402	18.307	ug/l	97
81) sec-Butylbenzene	13.594	105	286243	19.012	ug/l	99
82) p-Isopropyltoluene	13.706	119	229865	18.530	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	125384	18.366	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	129907	18.984	ug/l	99
85) n-Butylbenzene	14.035	91	228308	19.147	ug/l	99
86) Hexachloroethane	14.312	117	45193	17.936	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	118365	18.383	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	21024	18.207	ug/l	95
89) 1,2,4-Trichlorobenzene	15.812	180	63973	17.469	ug/l	95
90) Hexachlorobutadiene	15.476	225	25898	21.095	ug/l	91
91) Naphthalene	15.612	128	234675	17.406	ug/l	98
92) 1,2,3-Trichlorobenzene	15.812	180	63973	17.469	ug/l	95

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

