

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
 Data File : VN087496.D
 Acq On : 08 Aug 2025 11:51
 Operator : JC\MD
 Sample : VN0808WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Aug 11 01:18:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	59024	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	330139	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	290582	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	166509	30.585	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.967%
60) 4-Bromofluorobenzene	12.829	95	148686	29.733	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.100%
63) Toluene-d8	10.547	98	409328	30.615	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	86887	22.547	ug/l	95
3) Chloromethane	2.383	50	81781	20.684	ug/l	91
4) Vinyl Chloride	2.542	62	91247	21.759	ug/l	99
5) Bromomethane	2.983	94	37541	16.539	ug/l	83
6) Chloroethane	3.142	64	59089	21.851	ug/l	97
7) Trichlorofluoromethane	3.512	101	131728	21.827	ug/l	96
8) Diethyl Ether	3.965	74	55798	22.192	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	72651	23.606	ug/l	96
10) 1,1-Dichloroethene	4.330	96	72833	22.530	ug/l	98
11) Methyl Iodide	4.577	142	33864	13.304	ug/l	100
12) Methyl Acetate	5.018	43	127963	21.450	ug/l	99
13) Acrolein	4.177	56	96162	105.540	ug/l	97
14) Acrylonitrile	5.712	53	267957	102.865	ug/l	99
15) Acetone	4.424	58	79631	106.988	ug/l	100
16) Carbon Disulfide	4.700	76	204850	20.428	ug/l	98
17) Allyl chloride	5.012	41	140620	21.342	ug/l	95
18) Methylene Chloride	5.265	84	90472	21.739	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	78824	20.504	ug/l	98
20) Diisopropyl ether	6.659	45	303608	20.227	ug/l	95
21) 1,1-Dichloroethane	6.553	63	162082	20.890	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	94461	19.970	ug/l	97
23) tert-Butyl Alcohol	5.530	59	115576	104.413	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	303793	20.624	ug/l	99
25) Chloroform	7.947	83	169189	20.890	ug/l	99
26) Cyclohexane	8.235	56	134649	21.675	ug/l #	99
29) 1,1-Dichloropropene	8.359	75	110735	20.565	ug/l	98
30) 2-Butanone	7.471	43	405126	102.071	ug/l	99
31) 2,2-Dichloropropane	7.471	77	148751	21.419	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	145894	21.244	ug/l	96
33) Carbon Tetrachloride	8.341	117	116630	20.443	ug/l	99
34) Benzene	8.588	78	349421	20.557	ug/l	99
35) Methacrylonitrile	7.765	41	86589	20.216	ug/l	92
36) 1,2-Dichloroethane	8.653	62	141361	20.577	ug/l	99
37) Trichloroethene	9.335	130	78697	21.019	ug/l	94
38) Methylcyclohexane	9.582	83	136992	21.930	ug/l	99
39) 1,2-Dichloropropane	9.606	63	89219	20.472	ug/l	100
40) Dibromomethane	9.688	93	66274	20.269	ug/l	96
41) Bromodichloromethane	9.871	83	136239	20.052	ug/l	93
42) Vinyl Acetate	6.589	43	1319949	100.984	ug/l	99

08/11/2025
 Supervised By :Semsettin
 Kesilyurt

08/11/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.547	43	155851	20.325	ug/l	#	84
44) Isopropyl Acetate	8.677	43	268541	20.661	ug/l		97
45) 1,4-Dioxane	9.688	88	37330	450.519	ug/l		99
46) Methyl methacrylate	9.665	41	123879	20.191	ug/l		96
47) n-amyl Acetate	12.529	43	134508m	18.733	ug/l		
48) t-1,3-Dichloropropene	10.818	75	145848	19.731	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	151100	20.312	ug/l		98
50) 1,1,2-Trichloroethane	10.994	97	85256	20.637	ug/l		97
51) Ethyl methacrylate	10.859	69	146655	20.157	ug/l		94
52) 1,3-Dichloropropane	11.141	76	149952	20.147	ug/l		97
53) Dibromochloromethane	11.341	129	94576	19.823	ug/l		100
54) 1,2-Dibromoethane	11.447	107	89636	20.439	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	365726	95.485	ug/l		99
56) Bromoform	12.559	173	60219	19.082	ug/l	#	97
58) 4-Methyl-2-Pentanone	10.429	43	809723	108.322	ug/l		99
59) 2-Hexanone	11.176	43	528222	104.001	ug/l		98
61) Tetrachloroethene	11.082	164	65010	22.964	ug/l		93
62) Toluene	10.612	91	373990	20.853	ug/l		99
64) Chlorobenzene	11.871	112	226192	20.525	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.935	131	80596	20.801	ug/l		99
66) Ethyl Benzene	11.941	91	412496	20.635	ug/l		95
67) m/p-Xylenes	12.047	106	302096	41.171	ug/l		100
68) o-Xylene	12.376	106	150926	20.908	ug/l		98
69) Styrene	12.394	104	253574	20.573	ug/l		99
70) Isopropylbenzene	12.676	105	392981	21.428	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.918	83	134296	21.372	ug/l		100
72) 1,2,3-Trichloropropane	12.970	75	116424m	19.889	ug/l		
73) Bromobenzene	12.959	156	90604	21.311	ug/l		96
74) n-propylbenzene	13.018	91	488512	21.329	ug/l		99
75) 2-Chlorotoluene	13.106	91	291316	20.677	ug/l		100
76) 1,3,5-Trimethylbenzene	13.153	105	334306	21.290	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	40741	18.385	ug/l		94
78) 4-Chlorotoluene	13.200	91	302568	21.192	ug/l		99
79) tert-butylbenzene	13.418	119	284897	21.519	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	331588	21.133	ug/l		99
81) sec-Butylbenzene	13.594	105	423329	21.964	ug/l		100
82) p-Isopropyltoluene	13.706	119	353335	22.079	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	176453	21.796	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	169083	20.600	ug/l		98
85) n-Butylbenzene	14.035	91	343858	21.962	ug/l		98
86) Hexachloroethane	14.312	117	60584	19.387	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	167893	21.726	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33241	20.882	ug/l		98
89) 1,2,4-Trichlorobenzene	15.811	180	94324	20.423	ug/l		96
90) Hexachlorobutadiene	15.476	225	39581	22.040	ug/l		97
91) Naphthalene	15.611	128	363863	20.662	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	94324	20.423	ug/l		96

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

