

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087813.D
 Acq On : 12 Sep 2025 11:06
 Operator : JC\MD
 Sample : VN0912WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
 Supervised By :Mahesh Dadoda 09/15/2025

Quant Time: Sep 12 22:50:56 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

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

Internal Standards						
1) Bromochloromethane	7.795	128	60654	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	293305	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	272699	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	143354	27.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.233%		
60) 4-Bromofluorobenzene	12.829	95	128618	29.333	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.767%		
63) Toluene-d8	10.541	98	378556	29.850	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	70692	18.753	ug/l	97
3) Chloromethane	2.383	50	65788	16.624	ug/l	95
4) Vinyl Chloride	2.536	62	77414	17.306	ug/l	98
5) Bromomethane	2.983	94	37922	14.450	ug/l	97
6) Chloroethane	3.136	64	52371	17.130	ug/l #	82
7) Trichlorofluoromethane	3.512	101	118483	18.070	ug/l	98
8) Diethyl Ether	3.965	74	46193	16.683	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	64189	18.073	ug/l	72
10) 1,1-Dichloroethene	4.336	96	65048	17.765	ug/l #	82
11) Methyl Iodide	4.583	142	32276	12.453	ug/l	75
12) Methyl Acetate	5.018	43	102043	18.078	ug/l	96
13) Acrolein	4.177	56	98389m	97.901	ug/l	
14) Acrylonitrile	5.706	53	212763	87.573	ug/l	71
15) Acetone	4.418	58	66683	87.982	ug/l	82
16) Carbon Disulfide	4.701	76	185457	18.447	ug/l #	92
17) Allyl chloride	5.018	41	101915	17.041	ug/l	98
18) Methylene Chloride	5.259	84	75185	18.127	ug/l	89
19) trans-1,2-Dichloroethene	5.765	96	66922	17.920	ug/l	98
20) Diisopropyl ether	6.659	45	233418	16.972	ug/l	97
21) 1,1-Dichloroethane	6.553	63	129018	17.131	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	80981	17.865	ug/l	97
23) tert-Butyl Alcohol	5.524	59	70963	82.627	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	222545	17.024	ug/l	95
25) Chloroform	7.947	83	135454	17.182	ug/l	90
26) Cyclohexane	8.242	56	103613	18.065	ug/l #	100
29) 1,1-Dichloropropene	8.347	75	91303	19.154	ug/l	98
30) 2-Butanone	7.471	43	306372	93.302	ug/l	97
31) 2,2-Dichloropropane	7.465	77	115065	20.025	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	116352	19.253	ug/l	98
33) Carbon Tetrachloride	8.342	117	98183	19.485	ug/l	90
34) Benzene	8.589	78	292219	18.968	ug/l #	93
35) Methacrylonitrile	7.759	41	63619	18.523	ug/l	96
36) 1,2-Dichloroethane	8.647	62	109367	18.794	ug/l	96
37) Trichloroethene	9.336	130	67222	19.520	ug/l	94
38) Methylcyclohexane	9.583	83	100988	19.241	ug/l	98
39) 1,2-Dichloropropane	9.600	63	76246	19.324	ug/l	99
40) Dibromomethane	9.689	93	54707	18.631	ug/l	97
41) Bromodichloromethane	9.871	83	107952	17.987	ug/l #	94
42) Vinyl Acetate	6.595	43	962355	87.715	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	114815	17.114	ug/l	95
44) Isopropyl Acetate	8.677	43	184887	17.579	ug/l	98
45) 1,4-Dioxane	9.677	88	26538	400.115	ug/l	96
46) Methyl methacrylate	9.665	41	85538	17.645	ug/l	93
47) n-amyl Acetate	12.571	43	105619m	14.861	ug/l	
48) t-1,3-Dichloropropene	10.818	75	110087	17.661	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	119926	18.784	ug/l	90
50) 1,1,2-Trichloroethane	10.994	97	71598	18.878	ug/l	95
51) Ethyl methacrylate	10.859	69	107837	18.270	ug/l	99
52) 1,3-Dichloropropane	11.141	76	122386	18.583	ug/l	100
53) Dibromochloromethane	11.341	129	81694	19.211	ug/l	92
54) 1,2-Dibromoethane	11.447	107	72329	18.328	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	300818	88.953	ug/l	98
56) Bromoform	12.559	173	51291	18.470	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	599526	92.979	ug/l	99
59) 2-Hexanone	11.177	43	379850	90.154	ug/l	98
61) Tetrachloroethene	11.083	164	57018	21.000	ug/l	93
62) Toluene	10.612	91	306195	18.563	ug/l	99
64) Chlorobenzene	11.871	112	188308	18.600	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.935	131	66801	18.741	ug/l	99
66) Ethyl Benzene	11.941	91	329763	18.531	ug/l	92
67) m/p-Xylenes	12.053	106	250458	37.915	ug/l	93
68) o-Xylene	12.377	106	120504	18.815	ug/l	100
69) Styrene	12.388	104	201054	18.061	ug/l	100
70) Isopropylbenzene	12.671	105	309691	19.070	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	110182	18.872	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	101119m	17.640	ug/l	
73) Bromobenzene	12.959	156	74780	18.821	ug/l	96
74) n-propylbenzene	13.012	91	392483	19.154	ug/l	98
75) 2-Chlorotoluene	13.100	91	231741	18.791	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	267103	19.477	ug/l	97
77) t-1,4-Dichloro-2-butene	12.718	75	31316	16.185	ug/l	95
78) 4-Chlorotoluene	13.200	91	242014	19.465	ug/l	98
79) tert-butylbenzene	13.418	119	229146	19.952	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	271786	19.330	ug/l	99
81) sec-Butylbenzene	13.594	105	346516	20.512	ug/l	99
82) p-Isopropyltoluene	13.706	119	287370	20.646	ug/l	96
83) 1,3-Dichlorobenzene	13.712	146	150754	19.680	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	152124	19.813	ug/l	99
85) n-Butylbenzene	14.035	91	277392	20.733	ug/l	98
86) Hexachloroethane	14.306	117	54896	19.417	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	143399	19.849	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	24542	18.942	ug/l	87
89) 1,2,4-Trichlorobenzene	15.806	180	82133	19.988	ug/l	98
90) Hexachlorobutadiene	15.470	225	34886	25.325	ug/l	91
91) Naphthalene	15.612	128	281519	18.610	ug/l	99
92) 1,2,3-Trichlorobenzene	15.806	180	82133	19.988	ug/l	98

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

