

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088048.D
 Acq On : 09 Oct 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 10 00:45:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

10/10/2025
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Bromochloromethane	7.794	128	67648	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.082	114	367941	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.841	117	329849	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	158274	30.046	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.167%		
60) 4-Bromofluorobenzene	12.829	95	161117	29.629	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.767%		
63) Toluene-d8	10.541	98	452355	30.780	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.600%		
Target Compounds							
2) Dichlorodifluoromethane	2.142	85	79168	20.432	ug/l		97
3) Chloromethane	2.383	50	82660	18.817	ug/l		98
4) Vinyl Chloride	2.536	62	87682	19.143	ug/l		99
5) Bromomethane	2.983	94	48430	19.663	ug/l		97
6) Chloroethane	3.142	64	58319	19.301	ug/l		95
7) Trichlorofluoromethane	3.512	101	122267	19.630	ug/l		100
8) Diethyl Ether	3.953	74	53562	19.032	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	65209m	19.557	ug/l		
10) 1,1-Dichloroethene	4.342	96	70498	19.820	ug/l		93
11) Methyl Iodide	4.577	142	49807m	15.194	ug/l		
12) Methyl Acetate	5.012	43	104907	18.143	ug/l		90
13) Acrolein	4.177	56	87557	97.849	ug/l #		2
14) Acrylonitrile	5.706	53	245677	88.041	ug/l		99
15) Acetone	4.418	58	72341	88.522	ug/l		99
16) Carbon Disulfide	4.700	76	215981	19.370	ug/l		99
17) Allyl chloride	5.006	41	126007	18.774	ug/l		96
18) Methylene Chloride	5.259	84	84554	18.704	ug/l		93
19) trans-1,2-Dichloroethene	5.777	96	77301	18.797	ug/l		91
20) Diisopropyl ether	6.659	45	288704	18.894	ug/l		96
21) 1,1-Dichloroethane	6.553	63	153012	19.236	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	97222	18.886	ug/l		98
23) tert-Butyl Alcohol	5.512	59	95076	84.953	ug/l #		100
24) Methyl tert-Butyl Ether	5.783	73	285826	18.617	ug/l		100
25) Chloroform	7.947	83	154082	18.771	ug/l		97
26) Cyclohexane	8.236	56	128457	19.491	ug/l #		96
29) 1,1-Dichloropropene	8.353	75	107195	20.325	ug/l		97
30) 2-Butanone	7.471	43	353168	90.794	ug/l		99
31) 2,2-Dichloropropane	7.471	77	133683	19.672	ug/l		99
32) 1,1,1-Trichloroethane	8.147	97	131237	19.914	ug/l		98
33) Carbon Tetrachloride	8.341	117	110163	19.957	ug/l		98
34) Benzene	8.588	78	337986	19.321	ug/l		97
35) Methacrylonitrile	7.765	41	72255	17.664	ug/l		96
36) 1,2-Dichloroethane	8.653	62	119818	19.729	ug/l #		88
37) Trichloroethene	9.330	130	81261	19.606	ug/l		97
38) Methylcyclohexane	9.582	83	131726	20.225	ug/l		97
39) 1,2-Dichloropropane	9.600	63	84715	19.313	ug/l		98
40) Dibromomethane	9.688	93	62349	19.527	ug/l		96
41) Bromodichloromethane	9.871	83	124807	19.139	ug/l		98
42) Vinyl Acetate	6.589	43	1325865	100.055	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	135992	18.187	ug/l	100
44) Isopropyl Acetate	8.671	43	227382	18.619	ug/l	97
45) 1,4-Dioxane	9.682	88	30704	378.013	ug/l	98
46) Methyl methacrylate	9.659	41	103746	19.290	ug/l	98
47) n-amyl Acetate	12.588	43	125819m	21.736	ug/l	
48) t-1,3-Dichloropropene	10.812	75	137624	18.979	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	143971	19.034	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	81367	19.243	ug/l	97
51) Ethyl methacrylate	10.853	69	132633	18.535	ug/l	96
52) 1,3-Dichloropropane	11.141	76	143535	19.457	ug/l	98
53) Dibromochloromethane	11.335	129	96503	19.091	ug/l	98
54) 1,2-Dibromoethane	11.447	107	84706	18.738	ug/l	97
55) 2-Chloroethyl vinyl ether	10.135	63	340146	88.062	ug/l	99
56) Bromoform	12.559	173	60439	17.685	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	678061	91.904	ug/l	100
59) 2-Hexanone	11.176	43	457029	93.823	ug/l	100
61) Tetrachloroethene	11.082	164	63977	19.153	ug/l	90
62) Toluene	10.606	91	364042	19.457	ug/l	100
64) Chlorobenzene	11.871	112	229791	19.228	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	80288	19.495	ug/l	99
66) Ethyl Benzene	11.941	91	398296	19.577	ug/l	99
67) m/p-Xylenes	12.047	106	303975	38.757	ug/l	98
68) o-Xylene	12.376	106	152756	19.565	ug/l	100
69) Styrene	12.388	104	248017	19.203	ug/l	99
70) Isopropylbenzene	12.671	105	377225	19.713	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	120874	18.631	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	114564m	19.014	ug/l	
73) Bromobenzene	12.959	156	87046	18.611	ug/l	95
74) n-propylbenzene	13.012	91	449438	19.456	ug/l	100
75) 2-Chlorotoluene	13.100	91	273420	19.357	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	319230	19.639	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	40956	17.057	ug/l	96
78) 4-Chlorotoluene	13.200	91	272264	18.973	ug/l	100
79) tert-butylbenzene	13.412	119	280687	19.919	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	318421	19.568	ug/l	99
81) sec-Butylbenzene	13.594	105	392029	19.787	ug/l	98
82) p-Isopropyltoluene	13.706	119	331239	19.582	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	169131	19.219	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	171129	18.856	ug/l	98
85) n-Butylbenzene	14.035	91	309983	19.698	ug/l	98
86) Hexachloroethane	14.306	117	61464	18.139	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	163922	18.938	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	26719	17.932	ug/l	97
89) 1,2,4-Trichlorobenzene	15.811	180	93007	18.039	ug/l	99
90) Hexachlorobutadiene	15.476	225	33508	18.674	ug/l	96
91) Naphthalene	15.611	128	345337	18.295	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	93007	18.039	ug/l	99

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

