

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087714.D
 Acq On : 04 Sep 2025 10:54
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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

Quant Time: Sep 05 02:16:39 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	7.800	128	48350	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	251837	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	230082	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	124569	27.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.100%
60) 4-Bromofluorobenzene	12.829	95	115967	29.288	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.633%
63) Toluene-d8	10.547	98	321960	30.412	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	60133	19.049	ug/l	94
3) Chloromethane	2.383	50	64019	19.766	ug/l	90
4) Vinyl Chloride	2.536	62	72293	21.045	ug/l	95
5) Bromomethane	2.983	94	45165	24.291	ug/l	84
6) Chloroethane	3.136	64	50084	22.610	ug/l	95
7) Trichlorofluoromethane	3.512	101	106668	21.576	ug/l	98
8) Diethyl Ether	3.965	74	42068	20.425	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	62284	24.706	ug/l	89
10) 1,1-Dichloroethene	4.342	96	58425	22.063	ug/l	89
11) Methyl Iodide	4.577	142	32210	15.448	ug/l	90
12) Methyl Acetate	5.024	43	110045	22.519	ug/l	93
13) Acrolein	4.171	56	70956	95.068	ug/l	95
14) Acrylonitrile	5.706	53	199993	93.724	ug/l	100
15) Acetone	4.424	58	66864m	109.668	ug/l	
16) Carbon Disulfide	4.700	76	151225	18.410	ug/l	98
17) Allyl chloride	5.000	41	98811m	18.307	ug/l	
18) Methylene Chloride	5.259	84	68053	19.962	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	57873	18.378	ug/l	95
20) Diisopropyl ether	6.653	45	228386	18.574	ug/l #	97
21) 1,1-Dichloroethane	6.553	63	123208	19.385	ug/l #	97
22) cis-1,2-Dichloroethene	7.471	96	74107	19.126	ug/l	97
23) tert-Butyl Alcohol	5.518	59	69925	77.117	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	213810	17.719	ug/l	98
25) Chloroform	7.947	83	132472	19.968	ug/l	94
26) Cyclohexane	8.236	56	89474	17.583	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	82459	20.075	ug/l	99
30) 2-Butanone	7.465	43	293154	96.824	ug/l	99
31) 2,2-Dichloropropane	7.471	77	111592	21.065	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	109005	20.808	ug/l	96
33) Carbon Tetrachloride	8.341	117	89740	20.620	ug/l	98
34) Benzene	8.588	78	266751	20.573	ug/l	98
35) Methacrylonitrile	7.765	41	61968	18.966	ug/l	91
36) 1,2-Dichloroethane	8.653	62	106474	20.317	ug/l	98
37) Trichloroethene	9.335	130	59328	20.772	ug/l	84
38) Methylcyclohexane	9.582	83	86646	18.183	ug/l	99
39) 1,2-Dichloropropane	9.600	63	71262	21.436	ug/l	99
40) Dibromomethane	9.688	93	50310	20.170	ug/l	90
41) Bromodichloromethane	9.865	83	105844	20.422	ug/l	96
42) Vinyl Acetate	6.589	43	1025271	102.828	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.547	43	119575	20.443	ug/l	94	09/05/2025
44) Isopropyl Acetate	8.677	43	186772	18.837	ug/l	100	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.682	88	20336	321.735	ug/l #	86	
46) Methyl methacrylate	9.665	41	86691	18.523	ug/l	94	
47) n-amyl Acetate	12.559	43	106555m	19.454	ug/l		
48) t-1,3-Dichloropropene	10.818	75	109981	19.505	ug/l	99	
49) cis-1,3-Dichloropropene	10.288	75	113989	20.087	ug/l	93	09/05/2025
50) 1,1,2-Trichloroethane	10.994	97	69590	22.082	ug/l	95	
51) Ethyl methacrylate	10.859	69	102364	18.444	ug/l	89	
52) 1,3-Dichloropropane	11.141	76	119980	21.132	ug/l	100	
53) Dibromochloromethane	11.335	129	74495	20.469	ug/l	98	
54) 1,2-Dibromoethane	11.447	107	67426	20.155	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.141	63	271527	92.933	ug/l	99	
56) Bromoform	12.559	173	46759	19.424	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.424	43	587862	99.321	ug/l	99	
59) 2-Hexanone	11.177	43	384434	95.594	ug/l	98	
61) Tetrachloroethene	11.082	164	47545	21.211	ug/l	96	
62) Toluene	10.606	91	290343	20.446	ug/l	99	
64) Chlorobenzene	11.871	112	181508	20.801	ug/l	94	
65) 1,1,1,2-Tetrachloroethane	11.935	131	65246	21.267	ug/l	99	
66) Ethyl Benzene	11.941	91	312337	19.733	ug/l	96	
67) m/p-Xylenes	12.047	106	234213	40.313	ug/l	92	
68) o-Xylene	12.376	106	107889	18.876	ug/l	98	
69) Styrene	12.388	104	190079	19.476	ug/l	97	
70) Isopropylbenzene	12.676	105	284145	19.568	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.918	83	108523	21.812	ug/l	100	
72) 1,2,3-Trichloropropane	12.970	75	99508m	21.469	ug/l		
73) Bromobenzene	12.959	156	67183	19.958	ug/l	99	
74) n-propylbenzene	13.012	91	371779	20.500	ug/l	100	
75) 2-Chlorotoluene	13.100	91	217479	19.495	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.153	105	247884	19.937	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.712	75	31232	17.800	ug/l	77	
78) 4-Chlorotoluene	13.200	91	227394	20.115	ug/l	100	
79) tert-butylbenzene	13.418	119	203826	19.444	ug/l	96	
80) 1,2,4-Trimethylbenzene	13.459	105	250626	20.173	ug/l	98	
81) sec-Butylbenzene	13.594	105	308192	20.195	ug/l	99	
82) p-Isopropyltoluene	13.706	119	250110	19.739	ug/l	100	
83) 1,3-Dichlorobenzene	13.712	146	136995	21.371	ug/l	98	
84) 1,4-Dichlorobenzene	13.788	146	142283	21.893	ug/l	97	
85) n-Butylbenzene	14.035	91	248913	20.078	ug/l	97	
86) Hexachloroethane	14.312	117	50886	20.565	ug/l	98	
87) 1,2-Dichlorobenzene	14.082	146	130330	21.300	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	14.700	75	22682	17.995	ug/l	89	
89) 1,2,4-Trichlorobenzene	15.812	180	72588	19.850	ug/l	99	
90) Hexachlorobutadiene	15.476	225	25695	18.070	ug/l	83	
91) Naphthalene	15.612	128	266009	19.078	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.812	180	72588	19.850	ug/l	99	

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

