

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087725.D
 Acq On : 04 Sep 2025 16:23
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Sep 05 02:55:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 02:54:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.800	128	42575	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	216859	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	197903	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	111481	29.081	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.933%		
60) 4-Bromofluorobenzene	12.829	95	89929	26.721	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.067%		
63) Toluene-d8	10.547	98	277568	30.356	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	11648	4.330	ug/l	98
3) Chloromethane	2.383	50	13757	5.010	ug/l	97
4) Vinyl Chloride	2.542	62	14969	5.086	ug/l	96
5) Bromomethane	2.977	94	9176	5.656	ug/l #	80
6) Chloroethane	3.136	64	11348	5.889	ug/l	95
7) Trichlorofluoromethane	3.512	101	22997	5.390	ug/l	92
8) Diethyl Ether	3.965	74	10337m	5.839	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	12605m	5.679	ug/l	
10) 1,1-Dichloroethene	4.330	96	13028	5.695	ug/l #	69
11) Methyl Iodide	4.594	142	5738m	3.195	ug/l	
12) Methyl Acetate	5.024	43	17852	4.306	ug/l	99
13) Acrolein	4.183	56	18545	28.610	ug/l #	68
14) Acrylonitrile	5.712	53	41406	23.088	ug/l	66
15) Acetone	4.418	58	17262m	33.931	ug/l	
16) Carbon Disulfide	4.694	76	35228	5.033	ug/l	97
17) Allyl chloride	5.012	41	21319m	4.722	ug/l	
18) Methylene Chloride	5.265	84	15429	5.346	ug/l	94
19) trans-1,2-Dichloroethene	5.771	96	12127m	4.541	ug/l	
20) Diisopropyl ether	6.659	45	43135	4.193	ug/l #	97
21) 1,1-Dichloroethane	6.553	63	26606	4.973	ug/l	95
22) cis-1,2-Dichloroethene	7.477	96	14747	4.514	ug/l	91
23) tert-Butyl Alcohol	5.524	59	14989m	20.107	ug/l	
24) Methyl tert-Butyl Ether	5.777	73	41065m	4.097	ug/l	
25) Chloroform	7.947	83	26857	4.769	ug/l	89
26) Cyclohexane	8.241	56	18224	4.308	ug/l #	95
29) 1,1-Dichloropropene	8.347	75	16714	4.808	ug/l	81
30) 2-Butanone	7.471	43	62809	24.948	ug/l	94
31) 2,2-Dichloropropane	7.482	77	22147m	5.085	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	21664	4.859	ug/l	97
33) Carbon Tetrachloride	8.347	117	18997	5.178	ug/l	91
34) Benzene	8.588	78	54727	4.965	ug/l #	82
35) Methacrylonitrile	7.765	41	11323	4.140	ug/l	82
36) 1,2-Dichloroethane	8.647	62	21499	4.893	ug/l #	88
37) Trichloroethene	9.335	130	12724	5.242	ug/l	91
38) Methylcyclohexane	9.582	83	18908	4.768	ug/l	96
39) 1,2-Dichloropropane	9.600	63	14250	5.045	ug/l	94
40) Dibromomethane	9.688	93	10862	5.143	ug/l	97
41) Bromodichloromethane	9.871	83	22133	5.018	ug/l	96
42) Vinyl Acetate	6.594	43	187082	22.588	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	24321	4.902	ug/l	98
44) Isopropyl Acetate	8.677	43	34598	4.192	ug/l #	73
45) 1,4-Dioxane	9.688	88	4349	82.302	ug/l #	52
46) Methyl methacrylate	9.665	41	16516m	4.275	ug/l	
47) n-amyl Acetate	12.900	43	27025m	5.631	ug/l	
48) t-1,3-Dichloropropene	10.812	75	21459	4.564	ug/l	93
49) cis-1,3-Dichloropropene	10.288	75	21937	4.623	ug/l #	93
50) 1,1,2-Trichloroethane	10.994	97	14010	5.222	ug/l #	91
51) Ethyl methacrylate	10.859	69	15678	3.425	ug/l	96
52) 1,3-Dichloropropane	11.141	76	23001	4.782	ug/l	100
53) Dibromochloromethane	11.335	129	15190	4.974	ug/l	86
54) 1,2-Dibromoethane	11.447	107	13958	4.937	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	55971	22.629	ug/l	96
56) Bromoform	12.559	173	9575	4.732	ug/l #	94
58) 4-Methyl-2-Pentanone	10.429	43	109790	22.421	ug/l	99
59) 2-Hexanone	11.182	43	55125	16.623	ug/l	100
61) Tetrachloroethene	11.082	164	10301	5.392	ug/l	92
62) Toluene	10.606	91	56231	4.722	ug/l	99
64) Chlorobenzene	11.870	112	35078	4.801	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	13029	5.065	ug/l	95
66) Ethyl Benzene	11.947	91	57255	4.362	ug/l	94
67) m/p-Xylenes	12.047	106	41515	8.594	ug/l	97
68) o-Xylene	12.376	106	19899	4.176	ug/l	87
69) Styrene	12.388	104	32885	4.057	ug/l	99
70) Isopropylbenzene	12.676	105	50734	4.232	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	20319	4.858	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	22173m	5.682	ug/l	
73) Bromobenzene	12.964	156	14160	4.997	ug/l	93
74) n-propylbenzene	13.012	91	64047	4.247	ug/l	97
75) 2-Chlorotoluene	13.100	91	38851	4.188	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	42622	4.143	ug/l	99
77) t-1,4-Dichloro-2-butene	12.723	75	5106	3.485	ug/l	92
78) 4-Chlorotoluene	13.200	91	35970	3.810	ug/l	99
79) tert-butylbenzene	13.417	119	35406	4.085	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	42618	4.107	ug/l	98
81) sec-Butylbenzene	13.594	105	53746	4.253	ug/l	99
82) p-Isopropyltoluene	13.706	119	43232	4.132	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	25121	4.627	ug/l	95
84) 1,4-Dichlorobenzene	13.794	146	25650	4.693	ug/l	95
85) n-Butylbenzene	14.029	91	41201	4.055	ug/l	99
86) Hexachloroethane	14.311	117	9454	4.553	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	23694	4.602	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.700	75	4041m	3.875	ug/l	
89) 1,2,4-Trichlorobenzene	15.811	180	13520	4.443	ug/l	93
90) Hexachlorobutadiene	15.470	225	4812	4.125	ug/l	90
91) Naphthalene	15.617	128	43072	3.756	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.811	180	13520	4.443	ug/l	93

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

