

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087727.D
 Acq On : 04 Sep 2025 17:05
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Sep 05 02:57:31 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	44084	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	235930	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	223338	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	114806	28.923	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.400%
60) 4-Bromofluorobenzene	12.829	95	106071	27.928	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	10.547	98	310800	30.119	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	149532	53.681	ug/l	98
3) Chloromethane	2.383	50	148881	52.361	ug/l	98
4) Vinyl Chloride	2.536	62	175465	57.579	ug/l	94
5) Bromomethane	2.977	94	97326	57.939	ug/l	97
6) Chloroethane	3.142	64	115833	58.053	ug/l	88
7) Trichlorofluoromethane	3.512	101	253094	57.285	ug/l	93
8) Diethyl Ether	3.965	74	105850	57.749	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	139857	60.848	ug/l	78
10) 1,1-Dichloroethene	4.336	96	140735	59.413	ug/l	94
11) Methyl Iodide	4.577	142	99554	53.536	ug/l	91
12) Methyl Acetate	5.018	43	216966	50.540	ug/l	95
13) Acrolein	4.177	56	182140	271.375	ug/l #	41
14) Acrylonitrile	5.706	53	460378	247.925	ug/l	97
15) Acetone	4.424	58	134357	255.056	ug/l	97
16) Carbon Disulfide	4.706	76	381348	52.616	ug/l #	95
17) Allyl chloride	5.018	41	221421	47.360	ug/l	97
18) Methylene Chloride	5.265	84	157997	52.875	ug/l	88
19) trans-1,2-Dichloroethene	5.777	96	143067	51.744	ug/l	94
20) Diisopropyl ether	6.659	45	537577	50.467	ug/l	97
21) 1,1-Dichloroethane	6.559	63	286450	51.711	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	173910	51.413	ug/l	96
23) tert-Butyl Alcohol	5.530	59	160023	207.312	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	506717	48.821	ug/l	96
25) Chloroform	7.947	83	304392	52.195	ug/l	95
26) Cyclohexane	8.241	56	232867	53.159	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	199005	52.624	ug/l	100
30) 2-Butanone	7.471	43	666350	243.287	ug/l	97
31) 2,2-Dichloropropane	7.477	77	238304	50.297	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	249576	51.457	ug/l	98
33) Carbon Tetrachloride	8.347	117	208479	52.233	ug/l	96
34) Benzene	8.588	78	640994	53.450	ug/l	95
35) Methacrylonitrile	7.759	41	140382	47.182	ug/l	98
36) 1,2-Dichloroethane	8.653	62	239430	50.083	ug/l	98
37) Trichloroethene	9.335	130	142957	54.130	ug/l	97
38) Methylcyclohexane	9.582	83	220447	51.099	ug/l	98
39) 1,2-Dichloropropane	9.600	63	159981	52.056	ug/l	99
40) Dibromomethane	9.688	93	120754	52.549	ug/l	99
41) Bromodichloromethane	9.871	83	242124	50.456	ug/l	97
42) Vinyl Acetate	6.589	43	2296328	254.840	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	276887	51.296	ug/l	98
44) Isopropyl Acetate	8.677	43	438553	48.838	ug/l	99
45) 1,4-Dioxane	9.677	88	53248	926.233	ug/l	95
46) Methyl methacrylate	9.659	41	202256	48.120	ug/l	98
47) n-amyl Acetate	12.500	43	299916m	57.443	ug/l	
48) t-1,3-Dichloropropene	10.818	75	256762	50.194	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	266622	51.643	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	156835	53.732	ug/l	98
51) Ethyl methacrylate	10.859	69	260502	52.305	ug/l	97
52) 1,3-Dichloropropane	11.141	76	273053	52.180	ug/l	100
53) Dibromochloromethane	11.341	129	178488	53.720	ug/l	94
54) 1,2-Dibromoethane	11.447	107	165403	53.777	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	667057	247.892	ug/l	99
56) Bromoform	12.559	173	113619	51.614	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	1366907	247.352	ug/l	100
59) 2-Hexanone	11.176	43	945587	252.664	ug/l	98
61) Tetrachloroethene	11.082	164	110439	51.225	ug/l	98
62) Toluene	10.606	91	695370	51.744	ug/l	99
64) Chlorobenzene	11.871	112	419478	50.870	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	148563	51.179	ug/l	97
66) Ethyl Benzene	11.941	91	760061	51.315	ug/l	95
67) m/p-Xylenes	12.047	106	578021	106.025	ug/l	94
68) o-Xylene	12.376	106	272027	50.584	ug/l	94
69) Styrene	12.388	104	488107	53.357	ug/l	100
70) Isopropylbenzene	12.670	105	705735	52.168	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	247798	52.498	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	227694m	51.707	ug/l	
73) Bromobenzene	12.959	156	164633	51.479	ug/l	97
74) n-propylbenzene	13.012	91	894796	52.574	ug/l	100
75) 2-Chlorotoluene	13.100	91	542010	51.771	ug/l	98
76) 1,3,5-Trimethylbenzene	13.147	105	601688	51.829	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	83260	50.352	ug/l	85
78) 4-Chlorotoluene	13.200	91	555670	52.151	ug/l	97
79) tert-butylbenzene	13.417	119	505286	51.663	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	624111	53.295	ug/l	99
81) sec-Butylbenzene	13.594	105	739231	51.833	ug/l	98
82) p-Isopropyltoluene	13.706	119	616043	52.179	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	330543	53.944	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	332962	53.977	ug/l	99
85) n-Butylbenzene	14.035	91	598838	52.220	ug/l	99
86) Hexachloroethane	14.312	117	122090	52.103	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	312431	53.771	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	54360	46.188	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	175450	51.096	ug/l	96
90) Hexachlorobutadiene	15.470	225	57621	43.773	ug/l	92
91) Naphthalene	15.611	128	656553	50.727	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	175450	51.096	ug/l	96

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

