

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087729.D
 Acq On : 04 Sep 2025 17:46
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 05 03:00:38 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	48732	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	256987	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	242434	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	125853	28.682	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.600%
60) 4-Bromofluorobenzene	12.829	95	119357	28.950	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.500%
63) Toluene-d8	10.547	98	331838	29.625	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.733%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	460014	149.391	ug/l	99
3) Chloromethane	2.383	50	485468	154.452	ug/l	99
4) Vinyl Chloride	2.536	62	548014	162.679	ug/l	97
5) Bromomethane	2.953	94	338024	182.035	ug/l	96
6) Chloroethane	3.124	64	366963	166.372	ug/l #	85
7) Trichlorofluoromethane	3.506	101	797041	163.196	ug/l	91
8) Diethyl Ether	3.959	74	341803	168.693	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	422322	166.217	ug/l	78
10) 1,1-Dichloroethene	4.336	96	449863	171.802	ug/l	95
11) Methyl Iodide	4.577	142	421989	205.284	ug/l	90
12) Methyl Acetate	5.012	43	724097	152.583	ug/l	100
13) Acrolein	4.177	56	630478m	849.771	ug/l	
14) Acrylonitrile	5.706	53	1538968	749.724	ug/l	98
15) Acetone	4.424	58	425162	730.123	ug/l	90
16) Carbon Disulfide	4.700	76	1271777m	158.737	ug/l	
17) Allyl chloride	5.012	41	766742	148.357	ug/l	92
18) Methylene Chloride	5.259	84	507725	153.709	ug/l	91
19) trans-1,2-Dichloroethene	5.771	96	477957	156.377	ug/l	96
20) Diisopropyl ether	6.659	45	1793426	152.305	ug/l	94
21) 1,1-Dichloroethane	6.553	63	931404	152.104	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	586326	156.802	ug/l	99
23) tert-Butyl Alcohol	5.530	59	545385	639.163	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1739496	151.610	ug/l	98
25) Chloroform	7.947	83	983285	152.526	ug/l	95
26) Cyclohexane	8.241	56	727166	150.164	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	648804	157.510	ug/l	99
30) 2-Butanone	7.471	43	2196856	736.360	ug/l	98
31) 2,2-Dichloropropane	7.477	77	781979	151.522	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	806677	152.690	ug/l	99
33) Carbon Tetrachloride	8.341	117	670757	154.283	ug/l	97
34) Benzene	8.588	78	2101924	160.910	ug/l	95
35) Methacrylonitrile	7.759	41	468477	144.552	ug/l	97
36) 1,2-Dichloroethane	8.653	62	770632	147.988	ug/l	100
37) Trichloroethene	9.335	130	458415	159.355	ug/l	94
38) Methylcyclohexane	9.582	83	704436	149.907	ug/l	98
39) 1,2-Dichloropropane	9.600	63	532904	159.192	ug/l	100
40) Dibromomethane	9.688	93	390063	155.837	ug/l	99
41) Bromodichloromethane	9.871	83	801266	153.294	ug/l #	94
42) Vinyl Acetate	6.588	43	7618340	776.186	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	903610	153.686	ug/l	98
44) Isopropyl Acetate	8.671	43	1460618	149.330	ug/l	100
45) 1,4-Dioxane	9.682	88	187970	3001.771	ug/l #	91
46) Methyl methacrylate	9.665	41	670040	146.351	ug/l	100
47) n-amyl Acetate	12.482	43	1048336m	184.337	ug/l	
48) t-1,3-Dichloropropene	10.818	75	885111	158.851	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	901540	160.315	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	511317	160.824	ug/l	98
51) Ethyl methacrylate	10.853	69	906831	167.159	ug/l	94
52) 1,3-Dichloropropane	11.141	76	893642	156.782	ug/l	100
53) Dibromochloromethane	11.335	129	596338	164.776	ug/l	92
54) 1,2-Dibromoethane	11.447	107	546357	163.081	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	2464831	840.927	ug/l	98
56) Bromoform	12.559	173	402223	167.746	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	4473520	745.754	ug/l	99
59) 2-Hexanone	11.176	43	3170935	780.545	ug/l	97
61) Tetrachloroethene	11.082	164	363806	155.454	ug/l	97
62) Toluene	10.612	91	2294262	157.273	ug/l	99
64) Chlorobenzene	11.870	112	1432339	160.019	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	486507	154.396	ug/l	98
66) Ethyl Benzene	11.941	91	2571632	159.947	ug/l	95
67) m/p-Xylenes	12.047	106	1904203	321.770	ug/l	95
68) o-Xylene	12.376	106	940685	161.143	ug/l	95
69) Styrene	12.388	104	1653060	166.468	ug/l	99
70) Isopropylbenzene	12.670	105	2375492	161.764	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	793928	154.952	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	732764m	153.295	ug/l	
73) Bromobenzene	12.959	156	553482	159.435	ug/l	98
74) n-propylbenzene	13.012	91	2937041	158.973	ug/l	99
75) 2-Chlorotoluene	13.106	91	1747793	153.793	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	1960149	155.546	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	311177	173.364	ug/l	89
78) 4-Chlorotoluene	13.200	91	1806216	156.166	ug/l	97
79) tert-butylbenzene	13.417	119	1648726	155.295	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	2015689	158.567	ug/l	99
81) sec-Butylbenzene	13.594	105	2383484	153.961	ug/l	99
82) p-Isopropyltoluene	13.706	119	1983862	154.798	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	1059997	159.363	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	1050951	156.951	ug/l	98
85) n-Butylbenzene	14.035	91	1919423	154.195	ug/l	100
86) Hexachloroethane	14.311	117	392690	154.382	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	1004257	159.224	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	184176	144.163	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	591983	158.821	ug/l	97
90) Hexachlorobutadiene	15.470	225	183756	128.598	ug/l	95
91) Naphthalene	15.611	128	2324387	165.441	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	591983	158.821	ug/l	97

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

