

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086810.D
 Acq On : 29 May 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 30 02:00:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 01:54:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	36893	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	214272	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	196186	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76003	29.984	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.933%		
60) 4-Bromofluorobenzene	12.847	95	96629	31.371	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.567%		
63) Toluene-d8	10.565	98	263361	29.247	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	393557	157.066	ug/l	98
3) Chloromethane	2.359	50	496195	153.588	ug/l	100
4) Vinyl Chloride	2.512	62	455234	153.117	ug/l	96
5) Bromomethane	2.936	94	219489	139.333	ug/l	95
6) Chloroethane	3.106	64	271090	149.078	ug/l	97
7) Trichlorofluoromethane	3.495	101	534659	153.541	ug/l	97
8) Diethyl Ether	3.953	74	226810	156.147	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	325621	152.581	ug/l	99
10) 1,1-Dichloroethene	4.336	96	344213	158.207	ug/l	98
11) Methyl Iodide	4.583	142	419020	163.374	ug/l	99
12) Methyl Acetate	5.018	43	388225	161.108	ug/l	98
13) Acrolein	4.171	56	185339	739.474	ug/l	100
14) Acrylonitrile	5.712	53	875674	778.784	ug/l	98
15) Acetone	4.418	58	216694	761.146	ug/l	91
16) Carbon Disulfide	4.706	76	997627	157.081	ug/l	100
17) Allyl chloride	5.018	41	503689	155.834	ug/l	97
18) Methylene Chloride	5.271	84	381924	151.156	ug/l	99
19) trans-1,2-Dichloroethene	5.783	96	354108	155.524	ug/l	93
20) Diisopropyl ether	6.665	45	1070786	150.420	ug/l	97
21) 1,1-Dichloroethane	6.565	63	649780	151.250	ug/l	100
22) cis-1,2-Dichloroethene	7.483	96	431754	156.585	ug/l	99
23) tert-Butyl Alcohol	5.512	59	287436	796.044	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1123614	156.699	ug/l	97
25) Chloroform	7.965	83	634951	151.004	ug/l	99
26) Cyclohexane	8.253	56	581403	156.367	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	484127	153.670	ug/l	100
30) 2-Butanone	7.477	43	1038066	752.026	ug/l	99
31) 2,2-Dichloropropane	7.489	77	540887	145.448	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	544727	149.159	ug/l	98
33) Carbon Tetrachloride	8.359	117	471666	151.090	ug/l	97
34) Benzene	8.600	78	1542311	150.461	ug/l	98
35) Methacrylonitrile	7.771	41	233226	147.087	ug/l	93
36) 1,2-Dichloroethane	8.665	62	440263	146.570	ug/l	100
37) Trichloroethene	9.347	130	431319	151.697	ug/l	98
38) Methylcyclohexane	9.594	83	555561	158.937	ug/l	97
39) 1,2-Dichloropropane	9.618	63	370083	149.963	ug/l	98
40) Dibromomethane	9.706	93	242715	150.374	ug/l	99
41) Bromodichloromethane	9.883	83	511876	151.502	ug/l	98
42) Vinyl Acetate	6.600	43	2981846	741.087	ug/l	99

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43) Ethyl Acetate	7.559	43	408257	144.539	ug/l	96
44) Isopropyl Acetate	8.683	43	724719	149.571	ug/l	98
45) 1,4-Dioxane	9.694	88	125010	2902.752	ug/l	97
46) Methyl methacrylate	9.677	41	341082	152.666	ug/l	96
47) n-amyl Acetate	12.488	43	636180	163.548	ug/l	98
48) t-1,3-Dichloropropene	10.830	75	567557	156.978	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	613191	154.193	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	343707	151.193	ug/l	98
51) Ethyl methacrylate	10.871	69	593573	161.221	ug/l	93
52) 1,3-Dichloropropane	11.159	76	609094	150.976	ug/l	100
53) Dibromochloromethane	11.359	129	400048	155.726	ug/l	100
54) 1,2-Dibromoethane	11.465	107	355975	153.191	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	1431031	809.741	ug/l	99
56) Bromoform	12.576	173	264806	163.599	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	2115299	734.811	ug/l	97
59) 2-Hexanone	11.194	43	1561930	757.473	ug/l	98
61) Tetrachloroethene	11.100	164	492833	149.443	ug/l	92
62) Toluene	10.630	91	1648918	149.235	ug/l	99
64) Chlorobenzene	11.888	112	1069756	151.815	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	349584	151.013	ug/l	99
66) Ethyl Benzene	11.959	91	1869658	156.442	ug/l	96
67) m/p-Xylenes	12.071	106	1466789	312.763	ug/l	97
68) o-Xylene	12.394	106	717874	157.947	ug/l	97
69) Styrene	12.406	104	1219572	161.058	ug/l	100
70) Isopropylbenzene	12.694	105	1713400	158.500	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	390847	152.071	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	454375m	143.500	ug/l	
73) Bromobenzene	12.976	156	425121	158.221	ug/l	99
74) n-propylbenzene	13.029	91	2049785	160.082	ug/l	99
75) 2-Chlorotoluene	13.123	91	1292500	157.264	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	1464473	162.846	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	201774	163.684	ug/l	89
78) 4-Chlorotoluene	13.218	91	1301445	159.859	ug/l	99
79) tert-butylbenzene	13.435	119	1252026	161.026	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	1491239	165.201	ug/l	100
81) sec-Butylbenzene	13.612	105	1731895	163.500	ug/l	100
82) p-Isopropyltoluene	13.723	119	1489210	167.433	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	796135	161.514	ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	793977	161.861	ug/l	100
85) n-Butylbenzene	14.053	91	1266506	170.087	ug/l	98
86) Hexachloroethane	14.329	117	251604	165.978	ug/l	97
87) 1,2-Dichlorobenzene	14.100	146	740893	155.817	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	87205	161.122	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	337470	169.587	ug/l	97
90) Hexachlorobutadiene	15.494	225	130424	152.920	ug/l	97
91) Naphthalene	15.635	128	1228424	176.928	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	337470	169.587	ug/l	97

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

