

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087731.D
 Acq On : 04 Sep 2025 18:28
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090425

Quant Time: Sep 05 03:32:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	107	0.00
2 M	Dichlorodifluoromethane	20.000	18.370	8.1	105	0.00
3 M	Chloromethane	20.000	18.050	9.7	106	0.00
4 M	Vinyl Chloride	20.000	17.504	12.5	104	0.00
5 M	Bromomethane	20.000	17.846	10.8	112	0.01
6 M	Chloroethane	20.000	17.094	14.5	102	0.00
7 M	Trichlorofluoromethane	20.000	17.175	14.1	103	0.00
8 T	Diethyl Ether	20.000	17.632	11.8	111	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.189	14.1	102	0.00
10 M	1,1-Dichloroethene	20.000	17.494	12.5	108	0.00
11	Methyl Iodide	20.000	15.097	24.5	111	0.01
12	Methyl Acetate	20.000	18.262	8.7	108	0.00
13 M	Acrolein	100.000	91.132	8.9	113	0.00
14 M	Acrylonitrile	100.000	88.404	11.6	108	0.00
15 M	Acetone	100.000	84.645	15.4	107	0.00
16 M	Carbon Disulfide	20.000	17.930	10.4	110	0.00
17	Allyl chloride	20.000	17.065	14.7	107	0.00
18 M	Methylene Chloride	20.000	17.804	11.0	111	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.581	12.1	105	0.00
20 T	Diisopropyl ether	20.000	16.633	16.8	102	0.00
21 M	1,1-Dichloroethane	20.000	17.627	11.9	107	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.296	13.5	105	0.00
23 M	tert-Butyl Alcohol	100.000	90.020	10.0	107	-0.01
24 M	Methyl tert-Butyl Ether	20.000	17.297	13.5	108	0.00
25 M	Chloroform	20.000	17.349	13.3	104	0.00
26	Cyclohexane	20.000	17.359	13.2	108	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.234	-0.8	110	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	111	0.00
29	1,1-Dichloropropene	20.000	17.099	14.5	104	0.00
30 M	2-Butanone	100.000	87.744	12.3	109	0.00
31	2,2-Dichloropropane	20.000	17.001	15.0	112	0.00
32 M	1,1,1-Trichloroethane	20.000	17.650	11.8	105	0.00
33 M	Carbon Tetrachloride	20.000	17.204	14.0	106	0.00
34 M	Benzene	20.000	17.669	11.7	108	0.00
35	Methacrylonitrile	20.000	18.531	7.3	105	0.00
36 M	1,2-Dichloroethane	20.000	17.562	12.2	105	0.00
37 M	Trichloroethene	20.000	16.598	17.0	101	0.00
38	Methylcyclohexane	20.000	16.745	16.3	105	0.00
39 M	1,2-Dichloropropane	20.000	17.248	13.8	104	0.00
40	Dibromomethane	20.000	17.941	10.3	109	0.00
41 M	Bromodichloromethane	20.000	17.353	13.2	104	0.00
42 M	Vinyl Acetate	100.000	88.211	11.8	110	0.00
43	Ethyl Acetate	20.000	17.318	13.4	102	0.00
44	Isopropyl Acetate	20.000	17.448	12.8	105	0.00
45 T	1,4-Dioxane	400.000	352.976	11.8	100	0.00
46	Methyl methacrylate	20.000	17.410	13.0	109	0.00
47	n-amyl Acetate	20.000	15.166	24.2	119	-0.10
48 M	t-1,3-Dichloropropene	20.000	17.087	14.6	109	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.239	13.8	111	0.00
50 M	1,1,2-Trichloroethane	20.000	17.648	11.8	108	0.00
51	Ethyl methacrylate	20.000	17.320	13.4	114	0.00
52	1,3-Dichloropropane	20.000	17.687	11.6	107	0.00
53 M	Dibromochloromethane	20.000	17.347	13.3	114	0.00
54 M	1,2-Dibromoethane	20.000	17.241	13.8	107	0.00
55 M	2-Chloroethyl vinyl ether	100.000	86.104	13.9	104	0.00
56 M	Bromoform	20.000	17.508	12.5	115	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	112	0.00
58 M	4-Methyl-2-Pentanone	100.000	88.138	11.9	107	0.00
59 M	2-Hexanone	100.000	85.197	14.8	105	0.00
60 S	4-Bromofluorobenzene	30.000	29.200	2.7	107	0.00
61 M	Tetrachloroethene	20.000	17.528	12.4	105	0.00
62 M	Toluene	20.000	17.829	10.9	108	0.00
63 S	Toluene-d8	30.000	29.682	1.1	109	0.00
64 M	Chlorobenzene	20.000	17.382	13.1	107	0.00
65	1,1,1,2-Tetrachloroethane	20.000	17.110	14.5	106	0.00
66 M	Ethyl Benzene	20.000	17.361	13.2	109	0.00
67 M	m/p-Xylenes	40.000	34.562	13.6	109	0.00
68 M	o-Xylene	20.000	17.377	13.1	107	0.00
69 M	Styrene	20.000	16.798	16.0	107	0.00
70	Isopropylbenzene	20.000	17.022	14.9	109	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.703	11.5	105	0.00
72	1,2,3-Trichloropropane	20.000	16.995	15.0	93	0.00
73	Bromobenzene	20.000	17.154	14.2	106	0.00
74	n-propylbenzene	20.000	17.141	14.3	107	0.00
75	2-Chlorotoluene	20.000	17.173	14.1	105	0.00
76	1,3,5-Trimethylbenzene	20.000	17.393	13.0	108	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.243	23.8	99	0.00
78	4-Chlorotoluene	20.000	18.280	8.6	111	0.00
79	tert-butylbenzene	20.000	17.436	12.8	108	0.00
80	1,2,4-Trimethylbenzene	20.000	17.154	14.2	105	0.00
81	sec-Butylbenzene	20.000	17.385	13.1	107	0.00
82	p-Isopropyltoluene	20.000	17.337	13.3	109	0.00
83 M	1,3-Dichlorobenzene	20.000	17.075	14.6	102	0.00
84 M	1,4-Dichlorobenzene	20.000	17.287	13.6	105	0.00
85	n-Butylbenzene	20.000	17.390	13.0	111	0.00
86 T	Hexachloroethane	20.000	17.975	10.1	109	0.00
87 M	1,2-Dichlorobenzene	20.000	18.016	9.9	109	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.204	9.0	104	0.00
89	1,2,4-Trichlorobenzene	20.000	17.505	12.5	110	0.00
90	Hexachlorobutadiene	20.000	18.275	8.6	106	0.00
91 M	Naphthalene	20.000	16.990	15.1	109	0.00
92	1,2,3-Trichlorobenzene	20.000	17.505	12.5	110	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0