

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
 Data File : VN087603.D
 Acq On : 20 Aug 2025 08:58
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 21 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 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	90	0.00
2 M	Dichlorodifluoromethane	20.000	17.252	13.7	74	0.00
3 M	Chloromethane	20.000	16.983	15.1	71	0.00
4 M	Vinyl Chloride	20.000	18.074	9.6	76	0.00
5 M	Bromomethane	20.000	14.529	27.4#	65	0.00
6 M	Chloroethane	20.000	18.233	8.8	78	0.00
7 M	Trichlorofluoromethane	20.000	18.221	8.9	78	0.00
8 T	Diethyl Ether	20.000	19.259	3.7	84	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.431	-2.2	90	0.00
10 M	1,1-Dichloroethene	20.000	18.571	7.1	79	0.00
11	Methyl Iodide	20.000	11.367	43.2#	61	0.00
12	Methyl Acetate	20.000	19.570	2.1	86	0.00
13 M	Acrolein	100.000	131.353	-31.4#	118	0.00
14 M	Acrylonitrile	100.000	87.265	12.7	76	0.00
15 M	Acetone	100.000	117.518	-17.5	96	0.00
16 M	Carbon Disulfide	20.000	16.421	17.9	73	0.00
17	Allyl chloride	20.000	16.028	19.9	71	0.00
18 M	Methylene Chloride	20.000	18.243	8.8	80	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.078	14.6	74	0.00
20 T	Diisopropyl ether	20.000	17.037	14.8	75	0.00
21 M	1,1-Dichloroethane	20.000	17.184	14.1	73	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.469	12.7	75	0.00
23 M	tert-Butyl Alcohol	100.000	80.203	19.8	71	0.00
24 M	Methyl tert-Butyl Ether	20.000	16.912	15.4	74	0.00
25 M	Chloroform	20.000	17.749	11.3	78	0.00
26	Cyclohexane	20.000	16.833	15.8	72	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.091	3.0	85	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	86	0.00
29	1,1-Dichloropropene	20.000	17.104	14.5	74	0.00
30 M	2-Butanone	100.000	89.393	10.6	76	0.00
31	2,2-Dichloropropane	20.000	18.055	9.7	77	0.00
32 M	1,1,1-Trichloroethane	20.000	17.444	12.8	76	0.00
33 M	Carbon Tetrachloride	20.000	17.375	13.1	75	0.00
34 M	Benzene	20.000	17.509	12.5	76	0.00
35	Methacrylonitrile	20.000	15.951	20.2	67	0.00
36 M	1,2-Dichloroethane	20.000	17.117	14.4	73	0.00
37 M	Trichloroethene	20.000	18.016	9.9	77	0.00
38	Methylcyclohexane	20.000	16.786	16.1	72	0.00
39 M	1,2-Dichloropropane	20.000	17.424	12.9	74	0.00
40	Dibromomethane	20.000	17.344	13.3	74	0.00
41 M	Bromodichloromethane	20.000	17.431	12.8	77	0.00
42 M	Vinyl Acetate	100.000	81.357	18.6	69	0.00
43	Ethyl Acetate	20.000	17.104	14.5	74	0.00
44	Isopropyl Acetate	20.000	16.667	16.7	71	0.00
45 T	1,4-Dioxane	400.000	384.881	3.8	81	0.00
46	Methyl methacrylate	20.000	16.140	19.3	70	0.00
47	n-amyl Acetate	20.000	20.617	-3.1	103	0.16
48 M	t-1,3-Dichloropropene	20.000	16.758	16.2	73	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.270	13.7	76	0.00
50 M	1,1,2-Trichloroethane	20.000	18.166	9.2	79	0.00
51	Ethyl methacrylate	20.000	16.696	16.5	73	0.00
52	1,3-Dichloropropane	20.000	17.442	12.8	75	0.00
53 M	Dibromochloromethane	20.000	17.429	12.9	77	0.00
54 M	1,2-Dibromoethane	20.000	17.274	13.6	74	0.00
55 M	2-Chloroethyl vinyl ether	100.000	87.306	12.7	75	0.00
56 M	Bromoform	20.000	16.650	16.8	75	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	100.000	87.601	12.4	73	0.00
59 M	2-Hexanone	100.000	85.590	14.4	74	0.00
60 S	4-Bromofluorobenzene	30.000	29.208	2.6	84	0.00
61 M	Tetrachloroethene	20.000	18.773	6.1	82	0.00
62 M	Toluene	20.000	17.707	11.5	75	0.00
63 S	Toluene-d8	30.000	30.485	-1.6	88	0.00
64 M	Chlorobenzene	20.000	17.805	11.0	76	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.067	9.7	78	0.00
66 M	Ethyl Benzene	20.000	17.159	14.2	73	0.00
67 M	m/p-Xylenes	40.000	35.346	11.6	76	0.00
68 M	o-Xylene	20.000	16.805	16.0	72	0.00
69 M	Styrene	20.000	17.242	13.8	74	0.00
70	Isopropylbenzene	20.000	17.430	12.9	74	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.721	11.4	74	0.00
72	1,2,3-Trichloropropane	20.000	16.842	15.8	78	0.00
73	Bromobenzene	20.000	18.048	9.8	78	0.00
74	n-propylbenzene	20.000	17.603	12.0	75	0.00
75	2-Chlorotoluene	20.000	16.871	15.6	72	0.00
76	1,3,5-Trimethylbenzene	20.000	17.239	13.8	73	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.919	20.4	74	0.00
78	4-Chlorotoluene	20.000	16.723	16.4	73	0.00
79	tert-butylbenzene	20.000	17.330	13.4	74	0.00
80	1,2,4-Trimethylbenzene	20.000	17.728	11.4	76	0.00
81	sec-Butylbenzene	20.000	17.813	10.9	75	0.00
82	p-Isopropyltoluene	20.000	17.256	13.7	73	0.00
83 M	1,3-Dichlorobenzene	20.000	18.221	8.9	78	0.00
84 M	1,4-Dichlorobenzene	20.000	18.485	7.6	78	0.00
85	n-Butylbenzene	20.000	17.501	12.5	74	0.00
86 T	Hexachloroethane	20.000	17.013	14.9	73	0.00
87 M	1,2-Dichlorobenzene	20.000	18.383	8.1	78	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.628	11.9	74	0.00
89	1,2,4-Trichlorobenzene	20.000	17.369	13.2	75	0.00
90	Hexachlorobutadiene	20.000	16.550	17.2	71	0.00
91 M	Naphthalene	20.000	16.839	15.8	72	0.00
92	1,2,3-Trichlorobenzene	20.000	17.369	13.2	75	0.00

(#) = Out of Range

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