

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088317.D
 Acq On : 20 Nov 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 21 02:54:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N11325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	16.471	17.6	64	0.00
3 M	Chloromethane	20.000	17.126	14.4	71	0.00
4 M	Vinyl Chloride	20.000	16.207	19.0	68	0.00
5 M	Bromomethane	20.000	18.276	8.6	81	0.00
6 M	Chloroethane	20.000	17.163	14.2	72	0.00
7 M	Trichlorofluoromethane	20.000	16.350	18.2	67	0.00
8 T	Diethyl Ether	20.000	16.216	18.9	72	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.220	13.9	71	0.00
10 M	1,1-Dichloroethene	20.000	16.899	15.5	70	0.00
11	Methyl Iodide	20.000	14.440	27.8#	64	0.00
12	Methyl Acetate	20.000	16.689	16.6	72	0.00
13 M	Acrolein	100.000	77.607	22.4	75	0.00
14 M	Acrylonitrile	100.000	80.873	19.1	70	0.00
15 M	Acetone	100.000	81.464	18.5	70	0.00
16 M	Carbon Disulfide	20.000	16.540	17.3	68	0.00
17	Allyl chloride	20.000	15.674	21.6	67	0.00
18 M	Methylene Chloride	20.000	18.089	9.6	78	0.01
19 M	trans-1,2-Dichloroethene	20.000	16.347	18.3	68	0.00
20 T	Diisopropyl ether	20.000	16.429	17.9	71	0.00
21 M	1,1-Dichloroethane	20.000	16.830	15.9	71	0.00
22 M	cis-1,2-Dichloroethene	20.000	16.836	15.8	73	0.00
23 M	tert-Butyl Alcohol	100.000	66.601	33.4#	60	-0.02
24 M	Methyl tert-Butyl Ether	20.000	15.918	20.4	70	0.00
25 M	Chloroform	20.000	17.168	14.2	74	0.00
26	Cyclohexane	20.000	14.776	26.1#	60	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.326	5.6	83	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	78	0.00
29	1,1-Dichloropropene	20.000	17.061	14.7	65	0.00
30 M	2-Butanone	100.000	85.398	14.6	69	0.00
31	2,2-Dichloropropane	20.000	17.988	10.1	69	0.00
32 M	1,1,1-Trichloroethane	20.000	18.087	9.6	70	0.00
33 M	Carbon Tetrachloride	20.000	17.721	11.4	68	0.00
34 M	Benzene	20.000	18.375	8.1	72	0.00
35	Methacrylonitrile	20.000	18.459	7.7	75	0.00
36 M	1,2-Dichloroethane	20.000	17.681	11.6	70	0.00
37 M	Trichloroethene	20.000	18.222	8.9	71	0.00
38	Methylcyclohexane	20.000	15.079	24.6	57	0.00
39 M	1,2-Dichloropropane	20.000	18.596	7.0	74	0.00
40	Dibromomethane	20.000	18.680	6.6	73	0.00
41 M	Bromodichloromethane	20.000	19.332	3.3	78	0.00
42 M	Vinyl Acetate	100.000	86.666	13.3	70	0.00
43	Ethyl Acetate	20.000	17.731	11.3	70	0.00
44	Isopropyl Acetate	20.000	17.661	11.7	71	0.00
45 T	1,4-Dioxane	400.000	338.539	15.4	64	0.00
46	Methyl methacrylate	20.000	16.634	16.8	68	0.00
47	n-amyl Acetate	20.000	17.586	12.1	76	0.02
48 M	t-1,3-Dichloropropene	20.000	17.687	11.6	74	0.00

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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)
49 T	cis-1,3-Dichloropropene	20.000	18.095	9.5	72	0.00
50 M	1,1,2-Trichloroethane	20.000	19.447	2.8	78	0.00
51	Ethyl methacrylate	20.000	16.251	18.7	68	0.00
52	1,3-Dichloropropane	20.000	18.493	7.5	74	0.00
53 M	Dibromochloromethane	20.000	19.380	3.1	79	0.00
54 M	1,2-Dibromoethane	20.000	18.729	6.4	76	0.00
55 M	2-Chloroethyl vinyl ether	100.000	56.153	43.8#	47	0.00
56 M	Bromoform	20.000	18.593	7.0	77	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	83	0.00
58 M	4-Methyl-2-Pentanone	100.000	87.488	12.5	72	0.00
59 M	2-Hexanone	100.000	87.577	12.4	75	0.00
60 S	4-Bromofluorobenzene	30.000	28.225	5.9	80	0.00
61 M	Tetrachloroethene	20.000	18.351	8.2	72	0.00
62 M	Toluene	20.000	17.856	10.7	72	0.00
63 S	Toluene-d8	30.000	30.120	-0.4	81	0.00
64 M	Chlorobenzene	20.000	18.063	9.7	75	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.688	6.6	77	0.00
66 M	Ethyl Benzene	20.000	16.638	16.8	68	0.00
67 M	m/p-Xylenes	40.000	34.631	13.4	71	0.00
68 M	o-Xylene	20.000	17.252	13.7	72	0.00
69 M	Styrene	20.000	16.717	16.4	71	0.00
70	Isopropylbenzene	20.000	16.083	19.6	66	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.150	4.3	80	0.00
72	1,2,3-Trichloropropane	20.000	16.205	19.0	74	0.00
73	Bromobenzene	20.000	18.377	8.1	77	0.00
74	n-propylbenzene	20.000	16.872	15.6	69	0.00
75	2-Chlorotoluene	20.000	16.849	15.8	70	0.00
76	1,3,5-Trimethylbenzene	20.000	16.788	16.1	69	0.00
77	t-1,4-Dichloro-2-butene	20.000	13.690	31.6#	61	0.00
78	4-Chlorotoluene	20.000	17.691	11.5	73	0.00
79	tert-butylbenzene	20.000	16.453	17.7	68	0.00
80	1,2,4-Trimethylbenzene	20.000	16.677	16.6	70	0.00
81	sec-Butylbenzene	20.000	15.971	20.1	64	0.00
82	p-Isopropyltoluene	20.000	15.965	20.2	65	0.00
83 M	1,3-Dichlorobenzene	20.000	18.230	8.8	74	0.00
84 M	1,4-Dichlorobenzene	20.000	18.548	7.3	77	0.00
85	n-Butylbenzene	20.000	16.367	18.2	65	0.00
86 T	Hexachloroethane	20.000	17.395	13.0	73	0.00
87 M	1,2-Dichlorobenzene	20.000	18.101	9.5	74	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.341	18.3	71	0.00
89	1,2,4-Trichlorobenzene	20.000	16.844	15.8	72	0.00
90	Hexachlorobutadiene	20.000	17.974	10.1	72	0.00
91 M	Naphthalene	20.000	15.864	20.7	68	0.00
92	1,2,3-Trichlorobenzene	20.000	16.844	15.8	72	0.00

(#) = Out of Range

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