

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
 Data File : VN088070.D
 Acq On : 17 Oct 2025 16:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 18 01:32:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 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	83	0.00
2 M	Dichlorodifluoromethane	20.000	14.892	25.5#	60	0.00
3 M	Chloromethane	20.000	17.150	14.3	72	0.00
4 M	Vinyl Chloride	20.000	16.330	18.4	68	0.00
5 M	Bromomethane	20.000	21.266	-6.3	93	0.00
6 M	Chloroethane	20.000	19.059	4.7	80	0.00
7 M	Trichlorofluoromethane	20.000	17.381	13.1	73	0.00
8 T	Diethyl Ether	20.000	20.308	-1.5	86	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	15.305	23.5	65	0.00
10 M	1,1-Dichloroethene	20.000	16.183	19.1	68	0.00
11	Methyl Iodide	20.000	15.346	23.3	78	0.00
12	Methyl Acetate	20.000	20.443	-2.2	86	0.00
13 M	Acrolein	100.000	108.798	-8.8	102	0.00
14 M	Acrylonitrile	100.000	90.461	9.5	77	0.00
15 M	Acetone	100.000	80.928	19.1	67	0.00
16 M	Carbon Disulfide	20.000	15.283	23.6	65	0.01
17	Allyl chloride	20.000	17.142	14.3	72	0.00
18 M	Methylene Chloride	20.000	17.770	11.2	76	0.01
19 M	trans-1,2-Dichloroethene	20.000	16.178	19.1	67	0.00
20 T	Diisopropyl ether	20.000	18.182	9.1	76	0.00
21 M	1,1-Dichloroethane	20.000	17.712	11.4	74	0.00
22 M	cis-1,2-Dichloroethene	20.000	16.938	15.3	71	0.00
23 M	tert-Butyl Alcohol	100.000	78.817	21.2	66	-0.01
24 M	Methyl tert-Butyl Ether	20.000	18.359	8.2	78	0.00
25 M	Chloroform	20.000	17.881	10.6	76	0.00
26	Cyclohexane	20.000	14.881	25.6#	61	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.797	-12.7	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	75	0.00
29	1,1-Dichloropropene	20.000	17.311	13.4	66	0.00
30 M	2-Butanone	100.000	96.482	3.5	73	0.00
31	2,2-Dichloropropane	20.000	16.574	17.1	62	0.00
32 M	1,1,1-Trichloroethane	20.000	18.523	7.4	69	0.00
33 M	Carbon Tetrachloride	20.000	17.464	12.7	66	0.00
34 M	Benzene	20.000	18.361	8.2	70	0.00
35	Methacrylonitrile	20.000	21.454	-7.3	80	0.00
36 M	1,2-Dichloroethane	20.000	21.415	-7.1	81	0.00
37 M	Trichloroethene	20.000	16.387	18.1	62	0.00
38	Methylcyclohexane	20.000	16.324	18.4	62	0.00
39 M	1,2-Dichloropropane	20.000	20.256	-1.3	77	0.00
40	Dibromomethane	20.000	20.273	-1.4	77	0.00
41 M	Bromodichloromethane	20.000	19.894	0.5	77	0.00
42 M	Vinyl Acetate	100.000	98.126	1.9	79	0.00
43	Ethyl Acetate	20.000	21.193	-6.0	79	0.00
44	Isopropyl Acetate	20.000	20.496	-2.5	78	0.00
45 T	1,4-Dioxane	400.000	343.862	14.0	60	0.00
46	Methyl methacrylate	20.000	21.148	-5.7	90	0.00
47	n-amyl Acetate	20.000	23.093	-15.5	89	0.12
48 M	t-1,3-Dichloropropene	20.000	18.585	7.1	72	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	18.493	7.5	71	0.00
50 M	1,1,2-Trichloroethane	20.000	20.084	-0.4	77	0.00
51	Ethyl methacrylate	20.000	19.888	0.6	79	0.00
52	1,3-Dichloropropane	20.000	20.150	-0.7	77	0.00
53 M	Dibromochloromethane	20.000	18.221	8.9	70	0.00
54 M	1,2-Dibromoethane	20.000	19.138	4.3	74	0.00
55 M	2-Chloroethyl vinyl ether	100.000	101.652	-1.7	75	0.00
56 M	Bromoform	20.000	17.412	12.9	68	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	75	0.00
58 M	4-Methyl-2-Pentanone	100.000	103.906	-3.9	78	0.00
59 M	2-Hexanone	100.000	101.810	-1.8	77	0.00
60 S	4-Bromofluorobenzene	30.000	29.605	1.3	73	0.00
61 M	Tetrachloroethene	20.000	16.252	18.7	60	0.00
62 M	Toluene	20.000	17.529	12.4	65	0.00
63 S	Toluene-d8	30.000	30.982	-3.3	77	0.00
64 M	Chlorobenzene	20.000	17.045	14.8	64	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.236	8.8	67	0.00
66 M	Ethyl Benzene	20.000	16.801	16.0	63	0.00
67 M	m/p-Xylenes	40.000	33.320	16.7	62	0.00
68 M	o-Xylene	20.000	16.320	18.4	61	0.00
69 M	Styrene	20.000	17.094	14.5	66	0.00
70	Isopropylbenzene	20.000	16.474	17.6	62	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.906	0.5	75	0.00
72	1,2,3-Trichloropropane	20.000	20.282	-1.4	80	0.00
73	Bromobenzene	20.000	16.530	17.3	61	0.00
74	n-propylbenzene	20.000	16.780	16.1	63	0.00
75	2-Chlorotoluene	20.000	17.077	14.6	64	0.00
76	1,3,5-Trimethylbenzene	20.000	16.667	16.7	63	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.890	15.5	70	0.00
78	4-Chlorotoluene	20.000	17.215	13.9	65	0.00
79	tert-butylbenzene	20.000	17.040	14.8	63	0.00
80	1,2,4-Trimethylbenzene	20.000	16.631	16.8	62	0.00
81	sec-Butylbenzene	20.000	17.136	14.3	64	0.00
82	p-Isopropyltoluene	20.000	16.820	15.9	63	0.00
83 M	1,3-Dichlorobenzene	20.000	16.714	16.4	62	0.00
84 M	1,4-Dichlorobenzene	20.000	16.020	19.9	59	0.00
85	n-Butylbenzene	20.000	17.079	14.6	64	0.00
86 T	Hexachloroethane	20.000	16.020	19.9	61	0.00
87 M	1,2-Dichlorobenzene	20.000	16.868	15.7	63	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.154	-0.8	73	0.00
89	1,2,4-Trichlorobenzene	20.000	16.320	18.4	61	0.00
90	Hexachlorobutadiene	20.000	16.294	18.5	62	0.00
91 M	Naphthalene	20.000	17.920	10.4	67	0.00
92	1,2,3-Trichlorobenzene	20.000	16.320	18.4	61	0.00

(#) = Out of Range

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