

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087389.D
 Acq On : 22 Jul 2025 14:03
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 23 05:54:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 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	76	-0.02
2 M	Dichlorodifluoromethane	20.000	13.693	31.5#	57	-0.01
3 M	Chloromethane	20.000	14.227	28.9#	64	0.00
4 M	Vinyl Chloride	20.000	14.810	25.9#	62	-0.01
5 M	Bromomethane	20.000	17.448	12.8	73	-0.02
6 M	Chloroethane	20.000	24.809	-24.0	104	-0.01
7 M	Trichlorofluoromethane	20.000	24.672	-23.4	99	-0.02
8 T	Diethyl Ether	20.000	20.129	-0.6	86	-0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	18.598	7.0	76	-0.04
10 M	1,1-Dichloroethene	20.000	18.171	9.1	74	-0.04
11	Methyl Iodide	20.000	9.230	53.8#	44	-0.04
12	Methyl Acetate	20.000	17.263	13.7	71	-0.03
13 M	Acrolein	100.000	96.893	3.1	89	-0.03
14 M	Acrylonitrile	100.000	74.023	26.0#	61	-0.02
15 M	Acetone	100.000	91.666	8.3	73	-0.04
16 M	Carbon Disulfide	20.000	12.918	35.4#	54	-0.03
17	Allyl chloride	20.000	14.099	29.5#	58	-0.03
18 M	Methylene Chloride	20.000	16.119	19.4	66	-0.03
19 M	trans-1,2-Dichloroethene	20.000	15.268	23.7	63	-0.03
20 T	Diisopropyl ether	20.000	16.892	15.5	67	-0.03
21 M	1,1-Dichloroethane	20.000	16.679	16.6	67	-0.03
22 M	cis-1,2-Dichloroethene	20.000	15.741	21.3	66	-0.02
23 M	tert-Butyl Alcohol	100.000	66.879	33.1#	56	-0.02
24 M	Methyl tert-Butyl Ether	20.000	16.310	18.5	69	-0.03
25 M	Chloroform	20.000	18.840	5.8	78	-0.02
26	Cyclohexane	20.000	11.924	40.4#	50	-0.03
27 s	1,2-Dichloroethane-d4	30.000	32.498	-8.3	80	-0.02
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	62	-0.02
29	1,1-Dichloropropene	20.000	17.646	11.8	64	-0.02
30 M	2-Butanone	100.000	100.646	-0.6	69	-0.02
31	2,2-Dichloropropane	20.000	20.654	-3.3	69	-0.03
32 M	1,1,1-Trichloroethane	20.000	22.970	-14.8	78	-0.02
33 M	Carbon Tetrachloride	20.000	24.091	-20.5	86	-0.03
34 M	Benzene	20.000	19.070	4.6	67	-0.02
35	Methacrylonitrile	20.000	21.100	-5.5	73	-0.02
36 M	1,2-Dichloroethane	20.000	24.479	-22.4	82	-0.02
37 M	Trichloroethene	20.000	19.679	1.6	70	-0.02
38	Methylcyclohexane	20.000	15.052	24.7	53	-0.02
39 M	1,2-Dichloropropane	20.000	20.700	-3.5	68	-0.02
40	Dibromomethane	20.000	24.304	-21.5	81	-0.02
41 M	Bromodichloromethane	20.000	23.519	-17.6	77	-0.02
42 M	Vinyl Acetate	100.000	92.977	7.0	62	-0.03
43	Ethyl Acetate	20.000	22.173	-10.9	69	-0.02
44	Isopropyl Acetate	20.000	20.539	-2.7	70	-0.02
45 T	1,4-Dioxane	400.000	337.390	15.7	57	-0.01
46	Methyl methacrylate	20.000	20.355	-1.8	68	-0.02
47	n-amyl Acetate	20.000	22.384	-11.9	77	0.00
48 M	t-1,3-Dichloropropene	20.000	20.677	-3.4	71	-0.02

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.966	0.2	66	-0.02
50 M	1,1,2-Trichloroethane	20.000	22.348	-11.7	74	-0.02
51	Ethyl methacrylate	20.000	19.370	3.1	70	-0.02
52	1,3-Dichloropropane	20.000	21.083	-5.4	70	-0.02
53 M	Dibromochloromethane	20.000	24.115	-20.6	82	-0.02
54 M	1,2-Dibromoethane	20.000	21.088	-5.4	70	-0.02
55 M	2-Chloroethyl vinyl ether	100.000	106.194	-6.2	71	-0.02
56 M	Bromoform	20.000	22.967	-14.8	79	-0.02
57 I	Chlorobenzene-d5	30.000	30.000	0.0	62	-0.02
58 M	4-Methyl-2-Pentanone	100.000	113.711	-13.7	78	-0.02
59 M	2-Hexanone	100.000	115.665	-15.7	87	-0.02
60 S	4-Bromofluorobenzene	30.000	30.119	-0.4	65	-0.02
61 M	Tetrachloroethene	20.000	20.594	-3.0	71	-0.02
62 M	Toluene	20.000	19.008	5.0	65	-0.02
63 S	Toluene-d8	30.000	31.116	-3.7	62	-0.02
64 M	Chlorobenzene	20.000	19.876	0.6	68	-0.02
65	1,1,1,2-Tetrachloroethane	20.000	23.952	-19.8	82	-0.02
66 M	Ethyl Benzene	20.000	18.017	9.9	63	-0.02
67 M	m/p-Xylenes	40.000	38.072	4.8	66	-0.02
68 M	o-Xylene	20.000	18.132	9.3	64	-0.02
69 M	Styrene	20.000	18.517	7.4	65	-0.02
70	Isopropylbenzene	20.000	18.835	5.8	67	-0.02
71 M	1,1,2,2-Tetrachloroethane	20.000	20.959	-4.8	70	-0.02
72	1,2,3-Trichloropropane	20.000	20.245	-1.2	71	-0.02
73	Bromobenzene	20.000	21.041	-5.2	75	-0.02
74	n-propylbenzene	20.000	19.740	1.3	70	-0.02
75	2-Chlorotoluene	20.000	20.021	-0.1	72	-0.02
76	1,3,5-Trimethylbenzene	20.000	20.423	-2.1	74	-0.02
77	t-1,4-Dichloro-2-butene	20.000	16.210	18.9	60	-0.02
78	4-Chlorotoluene	20.000	20.307	-1.5	73	-0.02
79	tert-butylbenzene	20.000	19.714	1.4	72	-0.02
80	1,2,4-Trimethylbenzene	20.000	20.699	-3.5	76	-0.02
81	sec-Butylbenzene	20.000	20.242	-1.2	72	-0.02
82	p-Isopropyltoluene	20.000	20.437	-2.2	70	-0.02
83 M	1,3-Dichlorobenzene	20.000	21.838	-9.2	75	-0.02
84 M	1,4-Dichlorobenzene	20.000	21.542	-7.7	75	-0.02
85	n-Butylbenzene	20.000	20.222	-1.1	70	-0.02
86 T	Hexachloroethane	20.000	23.042	-15.2	84	-0.02
87 M	1,2-Dichlorobenzene	20.000	22.016	-10.1	76	-0.02
88	1,2-Dibromo-3-Chloropropane	20.000	19.562	2.2	68	-0.02
89	1,2,4-Trichlorobenzene	20.000	21.460	-7.3	74	-0.02
90	Hexachlorobutadiene	20.000	33.980	-69.9#	118	-0.02
91 M	Naphthalene	20.000	17.387	13.1	62	-0.02
92	1,2,3-Trichlorobenzene	20.000	21.460	-7.3	74	-0.02

(#) = Out of Range

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