

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086824.D
 Acq On : 29 May 2025 19:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 30 02:48:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 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	131	0.00
2 M	Dichlorodifluoromethane	20.000	20.552	-2.8	129	0.00
3 M	Chloromethane	20.000	40.236	-101.2#	255	0.01
4 M	Vinyl Chloride	20.000	20.209	-1.0	129	0.02
5 M	Bromomethane	20.000	17.260	13.7	109	0.02
6 M	Chloroethane	20.000	20.204	-1.0	128	0.02
7 M	Trichlorofluoromethane	20.000	20.442	-2.2	133	0.01
8 T	Diethyl Ether	20.000	21.636	-8.2	143	-0.01
9	1,1,2-Trichlorotrifluoroeth	20.000	20.021	-0.1	129	0.00
10 M	1,1-Dichloroethene	20.000	20.542	-2.7	136	-0.01
11	Methyl Iodide	20.000	19.061	4.7	128	-0.02
12	Methyl Acetate	20.000	21.947	-9.7	145	-0.02
13 M	Acrolein	100.000	165.187	-65.2#	224	-0.02
14 M	Acrylonitrile	100.000	109.523	-9.5	143	-0.01
15 M	Acetone	100.000	140.345	-40.3#	181	0.00
16 M	Carbon Disulfide	20.000	21.054	-5.3	138	-0.02
17	Allyl chloride	20.000	22.573	-12.9	148	-0.02
18 M	Methylene Chloride	20.000	20.988	-4.9	136	-0.02
19 M	trans-1,2-Dichloroethene	20.000	20.711	-3.6	134	-0.02
20 T	Diisopropyl ether	20.000	23.082	-15.4	146	-0.01
21 M	1,1-Dichloroethane	20.000	21.564	-7.8	138	-0.01
22 M	cis-1,2-Dichloroethene	20.000	20.908	-4.5	137	0.00
23 M	tert-Butyl Alcohol	100.000	124.935	-24.9	161	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.869	-9.3	143	-0.01
25 M	Chloroform	20.000	20.993	-5.0	137	0.00
26	Cyclohexane	20.000	21.751	-8.8	142	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.352	-11.2	145	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	139	0.00
29	1,1-Dichloropropene	20.000	19.499	2.5	135	0.00
30 M	2-Butanone	100.000	110.316	-10.3	151	-0.01
31	2,2-Dichloropropane	20.000	19.239	3.8	131	0.00
32 M	1,1,1-Trichloroethane	20.000	20.213	-1.1	138	0.00
33 M	Carbon Tetrachloride	20.000	19.002	5.0	131	0.00
34 M	Benzene	20.000	19.769	1.2	135	0.00
35	Methacrylonitrile	20.000	22.403	-12.0	148	0.00
36 M	1,2-Dichloroethane	20.000	20.778	-3.9	142	0.00
37 M	Trichloroethene	20.000	16.077	19.6	113	0.00
38	Methylcyclohexane	20.000	19.962	0.2	140	0.00
39 M	1,2-Dichloropropane	20.000	20.824	-4.1	142	0.00
40	Dibromomethane	20.000	19.841	0.8	137	0.00
41 M	Bromodichloromethane	20.000	20.781	-3.9	144	0.00
42 M	Vinyl Acetate	100.000	131.346	-31.3#	174	0.00
43	Ethyl Acetate	20.000	23.762	-18.8	157	0.00
44	Isopropyl Acetate	20.000	22.717	-13.6	155	0.00
45 T	1,4-Dioxane	400.000	462.536	-15.6	156	0.00
46	Methyl methacrylate	20.000	23.152	-15.8	162	0.00
47	n-amyl Acetate	20.000	26.413	-32.1#	179	0.00
48 M	t-1,3-Dichloropropene	20.000	21.075	-5.4	147	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.444	-2.2	143	0.00
50 M	1,1,2-Trichloroethane	20.000	20.423	-2.1	141	0.00
51	Ethyl methacrylate	20.000	22.049	-10.2	156	0.00
52	1,3-Dichloropropane	20.000	20.188	-0.9	141	0.00
53 M	Dibromochloromethane	20.000	19.551	2.2	137	0.00
54 M	1,2-Dibromoethane	20.000	20.030	-0.2	138	0.00
55 M	2-Chloroethyl vinyl ether	100.000	98.771	1.2	143	0.00
56 M	Bromoform	20.000	19.742	1.3	137	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	138	0.00
58 M	4-Methyl-2-Pentanone	100.000	112.876	-12.9	150	0.00
59 M	2-Hexanone	100.000	111.937	-11.9	151	0.00
60 S	4-Bromofluorobenzene	30.000	29.490	1.7	137	0.00
61 M	Tetrachloroethene	20.000	13.905	30.5#	96	0.00
62 M	Toluene	20.000	19.918	0.4	136	0.00
63 S	Toluene-d8	30.000	29.870	0.4	136	0.00
64 M	Chlorobenzene	20.000	19.285	3.6	133	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.043	-0.2	140	0.00
66 M	Ethyl Benzene	20.000	20.263	-1.3	140	0.00
67 M	m/p-Xylenes	40.000	39.074	2.3	134	0.00
68 M	o-Xylene	20.000	19.820	0.9	137	0.00
69 M	Styrene	20.000	20.131	-0.7	139	0.00
70	Isopropylbenzene	20.000	20.191	-1.0	139	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	25.921	-29.6#	172	0.00
72	1,2,3-Trichloropropane	20.000	20.946	-4.7	143	0.00
73	Bromobenzene	20.000	18.467	7.7	127	0.00
74	n-propylbenzene	20.000	20.336	-1.7	140	0.00
75	2-Chlorotoluene	20.000	19.501	2.5	134	0.00
76	1,3,5-Trimethylbenzene	20.000	19.328	3.4	134	0.00
77	t-1,4-Dichloro-2-butene	20.000	22.656	-13.3	163	0.00
78	4-Chlorotoluene	20.000	19.720	1.4	137	0.00
79	tert-butylbenzene	20.000	19.671	1.6	137	0.00
80	1,2,4-Trimethylbenzene	20.000	19.334	3.3	133	0.00
81	sec-Butylbenzene	20.000	19.221	3.9	133	0.00
82	p-Isopropyltoluene	20.000	18.935	5.3	132	0.00
83 M	1,3-Dichlorobenzene	20.000	16.911	15.4	120	0.00
84 M	1,4-Dichlorobenzene	20.000	17.174	14.1	123	0.00
85	n-Butylbenzene	20.000	20.809	-4.0	151	0.00
86 T	Hexachloroethane	20.000	19.445	2.8	138	0.00
87 M	1,2-Dichlorobenzene	20.000	16.767	16.2	118	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	23.267	-16.3	167	0.00
89	1,2,4-Trichlorobenzene	20.000	19.002	5.0	143	0.00
90	Hexachlorobutadiene	20.000	15.580	22.1	116	0.00
91 M	Naphthalene	20.000	21.748	-8.7	169	0.00
92	1,2,3-Trichlorobenzene	20.000	19.002	5.0	143	0.00

(#) = Out of Range

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