

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086536.D
 Acq On : 07 May 2025 15:53
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:26:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 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	158	0.00
2 M	Dichlorodifluoromethane	20.000	22.374	-11.9	172	0.00
3 M	Chloromethane	20.000	16.912	15.4	135	0.00
4 M	Vinyl Chloride	20.000	19.126	4.4	151	0.00
5 M	Bromomethane	20.000	19.122	4.4	148	0.00
6 M	Chloroethane	20.000	18.934	5.3	150	0.00
7 M	Trichlorofluoromethane	20.000	22.852	-14.3	176	0.00
8 T	Diethyl Ether	20.000	21.318	-6.6	171	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.411	-12.1	177	0.00
10 M	1,1-Dichloroethene	20.000	21.108	-5.5	167	0.00
11	Methyl Iodide	20.000	19.209	4.0	153	0.00
12	Methyl Acetate	20.000	17.961	10.2	140	0.00
13 M	Acrolein	100.000	69.125	30.9#	139	0.00
14 M	Acrylonitrile	100.000	95.816	4.2	151	0.00
15 M	Acetone	100.000	90.976	9.0	157	0.00
16 M	Carbon Disulfide	20.000	22.071	-10.4	172	0.00
17	Allyl chloride	20.000	18.845	5.8	153	0.00
18 M	Methylene Chloride	20.000	21.145	-5.7	167	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.135	-5.7	169	0.00
20 T	Diisopropyl ether	20.000	18.856	5.7	152	0.00
21 M	1,1-Dichloroethane	20.000	20.198	-1.0	161	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.116	-5.6	170	0.00
23 M	tert-Butyl Alcohol	100.000	98.668	1.3	147	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.134	-5.7	167	0.00
25 M	Chloroform	20.000	20.740	-3.7	162	0.00
26	Cyclohexane	20.000	19.082	4.6	154	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.865	7.1	143	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	152	0.00
29	1,1-Dichloropropene	20.000	20.715	-3.6	165	0.00
30 M	2-Butanone	100.000	95.075	4.9	150	0.00
31	2,2-Dichloropropane	20.000	20.544	-2.7	162	0.00
32 M	1,1,1-Trichloroethane	20.000	21.697	-8.5	170	0.00
33 M	Carbon Tetrachloride	20.000	22.205	-11.0	173	0.00
34 M	Benzene	20.000	20.843	-4.2	163	0.00
35	Methacrylonitrile	20.000	18.607	7.0	139	0.00
36 M	1,2-Dichloroethane	20.000	21.273	-6.4	166	0.00
37 M	Trichloroethene	20.000	21.722	-8.6	175	0.00
38	Methylcyclohexane	20.000	21.088	-5.4	167	0.00
39 M	1,2-Dichloropropane	20.000	19.780	1.1	156	0.00
40	Dibromomethane	20.000	21.226	-6.1	165	0.00
41 M	Bromodichloromethane	20.000	21.059	-5.3	165	0.00
42 M	Vinyl Acetate	100.000	104.003	-4.0	160	0.00
43	Ethyl Acetate	20.000	19.992	0.0	163	0.00
44	Isopropyl Acetate	20.000	19.705	1.5	155	0.00
45 T	1,4-Dioxane	400.000	416.606	-4.2	157	0.00
46	Methyl methacrylate	20.000	19.241	3.8	151	0.00
47	n-amyl Acetate	20.000	19.909	0.5	159	0.00
48 M	t-1,3-Dichloropropene	20.000	20.113	-0.6	160	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.252	-1.3	161	0.00
50 M	1,1,2-Trichloroethane	20.000	21.377	-6.9	165	0.00
51	Ethyl methacrylate	20.000	20.305	-1.5	162	0.00
52	1,3-Dichloropropane	20.000	20.774	-3.9	163	0.00
53 M	Dibromochloromethane	20.000	21.954	-9.8	174	0.00
54 M	1,2-Dibromoethane	20.000	21.491	-7.5	168	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.396	9.6	141	0.00
56 M	Bromoform	20.000	21.901	-9.5	172	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	150	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.308	0.7	153	0.00
59 M	2-Hexanone	100.000	97.978	2.0	150	0.00
60 S	4-Bromofluorobenzene	30.000	29.295	2.3	150	0.00
61 M	Tetrachloroethene	20.000	21.579	-7.9	172	0.00
62 M	Toluene	20.000	21.315	-6.6	165	0.00
63 S	Toluene-d8	30.000	29.608	1.3	148	0.00
64 M	Chlorobenzene	20.000	21.956	-9.8	170	0.00
65	1,1,1,2-Tetrachloroethane	20.000	22.438	-12.2	175	0.00
66 M	Ethyl Benzene	20.000	20.957	-4.8	163	0.00
67 M	m/p-Xylenes	40.000	42.590	-6.5	167	0.00
68 M	o-Xylene	20.000	21.609	-8.0	170	0.00
69 M	Styrene	20.000	21.253	-6.3	168	0.00
70	Isopropylbenzene	20.000	21.291	-6.5	166	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	22.432	-12.2	165	0.00
72	1,2,3-Trichloropropane	20.000	24.754	-23.8	193	0.00
73	Bromobenzene	20.000	22.747	-13.7	177	0.00
74	n-propylbenzene	20.000	20.846	-4.2	165	0.00
75	2-Chlorotoluene	20.000	20.805	-4.0	163	0.00
76	1,3,5-Trimethylbenzene	20.000	21.459	-7.3	170	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.935	10.3	145	0.00
78	4-Chlorotoluene	20.000	20.814	-4.1	169	0.00
79	tert-butylbenzene	20.000	21.994	-10.0	173	0.00
80	1,2,4-Trimethylbenzene	20.000	21.219	-6.1	168	0.00
81	sec-Butylbenzene	20.000	21.710	-8.6	175	0.00
82	p-Isopropyltoluene	20.000	21.749	-8.7	179	0.00
83 M	1,3-Dichlorobenzene	20.000	21.758	-8.8	179	0.00
84 M	1,4-Dichlorobenzene	20.000	21.821	-9.1	179	0.00
85	n-Butylbenzene	20.000	20.965	-4.8	175	0.00
86 T	Hexachloroethane	20.000	20.579	-2.9	169	0.00
87 M	1,2-Dichlorobenzene	20.000	21.792	-9.0	178	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.953	0.2	165	0.00
89	1,2,4-Trichlorobenzene	20.000	22.965	-14.8	196	0.00
90	Hexachlorobutadiene	20.000	23.637	-18.2	199	0.00
91 M	Naphthalene	20.000	21.544	-7.7	184	0.00
92	1,2,3-Trichlorobenzene	20.000	22.965	-14.8	196	0.00

(#) = Out of Range

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