

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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	131	0.00
2 M	Dichlorodifluoromethane	2.038	2.094	-2.7	129	0.00
3 M	Chloromethane	2.627	5.285	-101.2#	255#	0.01
4 M	Vinyl Chloride	2.418	2.443	-1.0	129	0.02
5 M	Bromomethane	1.281	1.105	13.7	109	0.02
6 M	Chloroethane	1.479	1.494	-1.0	128	0.02
7 M	Trichlorofluoromethane	2.832	2.894	-2.2	133	0.01
8 T	Diethyl Ether	1.181	1.278	-8.2	143	-0.01
9	1,1,2-Trichlorotrifluoroeth	1.735	1.737	-0.1	129	0.00
10 M	1,1-Dichloroethene	1.769	1.817	-2.7	136	-0.01
11	Methyl Iodide	2.086	1.988	4.7	128	-0.02
12	Methyl Acetate	1.965	2.156	-9.7	145	-0.02
13 M	Acrolein	0.203	0.335	-65.0#	224#	-0.02
14 M	Acrylonitrile	0.914	1.001	-9.5	143	-0.01
15 M	Acetone	0.232	0.325	-40.1#	181#	0.00
16 M	Carbon Disulfide	5.164	5.437	-5.3	138	-0.02
17	Allyl chloride	2.628	2.966	-12.9	148	-0.02
18 M	Methylene Chloride	2.055	2.156	-4.9	136	-0.02
19 M	trans-1,2-Dichloroethene	1.851	1.917	-3.6	134	-0.02
20 T	Diisopropyl ether	5.789	6.681	-15.4	146	-0.01
21 M	1,1-Dichloroethane	3.493	3.767	-7.8	138	-0.01
22 M	cis-1,2-Dichloroethene	2.242	2.344	-4.5	137	0.00
23 M	tert-Butyl Alcohol	0.294	0.367	-24.8	161#	0.00
24 M	Methyl tert-Butyl Ether	5.831	6.376	-9.3	143	-0.01
25 M	Chloroform	3.419	3.589	-5.0	137	0.00
26	Cyclohexane	3.023	3.288	-8.8	142	0.00
27 s	1,2-Dichloroethane-d4	2.061	2.292	-11.2	145	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	139	0.00
29	1,1-Dichloropropene	0.441	0.430	2.5	135	0.00
30 M	2-Butanone	0.193	0.213	-10.4	151#	-0.01
31	2,2-Dichloropropane	0.521	0.501	3.8	131	0.00
32 M	1,1,1-Trichloroethane	0.511	0.517	-1.2	138	0.00
33 M	Carbon Tetrachloride	0.437	0.415	5.0	131	0.00
34 M	Benzene	1.435	1.419	1.1	135	0.00
35	Methacrylonitrile	0.222	0.249	-12.2	148	0.00
36 M	1,2-Dichloroethane	0.421	0.437	-3.8	142	0.00
37 M	Trichloroethene	0.398	0.320	19.6	113	0.00
38	Methylcyclohexane	0.489	0.488	0.2	140	0.00
39 M	1,2-Dichloropropane	0.346	0.360	-4.0	142	0.00
40	Dibromomethane	0.226	0.224	0.9	137	0.00
41 M	Bromodichloromethane	0.473	0.492	-4.0	144	0.00
42 M	Vinyl Acetate	0.563	0.740	-31.4#	174#	0.00
43	Ethyl Acetate	0.395	0.470	-19.0	157#	0.00
44	Isopropyl Acetate	0.678	0.771	-13.7	155#	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	156#	0.00
46	Methyl methacrylate	0.313	0.362	-15.7	162#	0.00
47	n-amyl Acetate	0.545	0.719	-31.9#	179#	0.00
48 M	t-1,3-Dichloropropene	0.506	0.533	-5.3	147	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.557	0.569	-2.2	143	0.00
50 M	1,1,2-Trichloroethane	0.318	0.325	-2.2	141	0.00
51	Ethyl methacrylate	0.515	0.568	-10.3	156#	0.00
52	1,3-Dichloropropane	0.565	0.570	-0.9	141	0.00
53 M	Dibromochloromethane	0.360	0.352	2.2	137	0.00
54 M	1,2-Dibromoethane	0.325	0.326	-0.3	138	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.244	1.2	143	0.00
56 M	Bromoform	0.227	0.224	1.3	137	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	138	0.00
58 M	4-Methyl-2-Pentanone	0.440	0.497	-13.0	150#	0.00
59 M	2-Hexanone	0.315	0.353	-12.1	151#	0.00
60 S	4-Bromofluorobenzene	0.471	0.463	1.7	137	0.00
61 M	Tetrachloroethene	0.504	0.351	30.4#	96	0.00
62 M	Toluene	1.690	1.683	0.4	136	0.00
63 S	Toluene-d8	1.377	1.371	0.4	136	0.00
64 M	Chlorobenzene	1.078	1.039	3.6	133	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.355	-0.3	140	0.00
66 M	Ethyl Benzene	1.828	1.852	-1.3	140	0.00
67 M	m/p-Xylenes	0.717	0.701	2.2	134	0.00
68 M	o-Xylene	0.695	0.689	0.9	137	0.00
69 M	Styrene	1.158	1.166	-0.7	139	0.00
70	Isopropylbenzene	1.653	1.669	-1.0	139	0.00
71 M	1,1,2,2-Tetrachloroethane	0.393	0.509	-29.5#	172#	0.00
72	1,2,3-Trichloropropane	0.461	0.482	-4.6	143	0.00
73	Bromobenzene	0.411	0.379	7.8	127	0.00
74	n-propylbenzene	1.958	1.991	-1.7	140	0.00
75	2-Chlorotoluene	1.257	1.225	2.5	134	0.00
76	1,3,5-Trimethylbenzene	1.375	1.329	3.3	134	0.00
77	t-1,4-Dichloro-2-butene	0.189	0.214	-13.2	163#	0.00
78	4-Chlorotoluene	1.245	1.228	1.4	137	0.00
79	tert-butylbenzene	1.189	1.169	1.7	137	0.00
80	1,2,4-Trimethylbenzene	1.380	1.334	3.3	133	0.00
81	sec-Butylbenzene	1.620	1.557	3.9	133	0.00
82	p-Isopropyltoluene	1.360	1.288	5.3	132	0.00
83 M	1,3-Dichlorobenzene	0.754	0.637	15.5	120	0.00
84 M	1,4-Dichlorobenzene	0.750	0.644	14.1	123	0.00
85	n-Butylbenzene	1.139	1.185	-4.0	151#	0.00
86 T	Hexachloroethane	0.232	0.225	3.0	138	0.00
87 M	1,2-Dichlorobenzene	0.727	0.610	16.1	118	0.00
88	1,2-Dibromo-3-Chloropropane	0.083	0.096	-15.7	167#	0.00
89	1,2,4-Trichlorobenzene	0.304	0.289	4.9	143	0.00
90	Hexachlorobutadiene	0.130	0.102	21.5	116	0.00
91 M	Naphthalene	1.062	1.155	-8.8	169#	0.00
92	1,2,3-Trichlorobenzene	0.304	0.289	4.9	143	0.00

(#) = Out of Range

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