

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
 Data File : VN086826.D
 Acq On : 30 May 2025 09:59
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 31 03:43:39 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	146	0.00
2 M	Dichlorodifluoromethane	2.038	1.894	7.1	130	0.00
3 M	Chloromethane	2.627	4.167	-58.6#	224#	0.01
4 M	Vinyl Chloride	2.418	2.124	12.2	125	0.02
5 M	Bromomethane	1.281	0.894	30.2#	98	0.02
6 M	Chloroethane	1.479	1.388	6.2	132	0.01
7 M	Trichlorofluoromethane	2.832	2.667	5.8	136	0.00
8 T	Diethyl Ether	1.181	1.174	0.6	147	-0.02
9	1,1,2-Trichlorotrifluoroeth	1.735	1.714	1.2	142	0.00
10 M	1,1-Dichloroethene	1.769	1.704	3.7	141	-0.02
11	Methyl Iodide	2.086	1.229	41.1#	88	-0.02
12	Methyl Acetate	1.965	1.967	-0.1	147	-0.02
13 M	Acrolein	0.203	0.306	-50.7#	227#	-0.02
14 M	Acrylonitrile	0.914	0.885	3.2	140	-0.01
15 M	Acetone	0.232	0.274	-18.1	170#	-0.01
16 M	Carbon Disulfide	5.164	4.692	9.1	132	-0.02
17	Allyl chloride	2.628	2.691	-2.4	149	-0.02
18 M	Methylene Chloride	2.055	1.924	6.4	135	-0.02
19 M	trans-1,2-Dichloroethene	1.851	1.791	3.2	140	-0.02
20 T	Diisopropyl ether	5.789	6.051	-4.5	147	-0.01
21 M	1,1-Dichloroethane	3.493	3.398	2.7	139	0.00
22 M	cis-1,2-Dichloroethene	2.242	2.235	0.3	145	0.00
23 M	tert-Butyl Alcohol	0.294	0.320	-8.8	156#	-0.01
24 M	Methyl tert-Butyl Ether	5.831	6.105	-4.7	152#	-0.01
25 M	Chloroform	3.419	3.302	3.4	140	0.00
26	Cyclohexane	3.023	3.089	-2.2	148	0.00
27 s	1,2-Dichloroethane-d4	2.061	2.077	-0.8	146	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	155#	0.00
29	1,1-Dichloropropene	0.441	0.413	6.3	144	0.00
30 M	2-Butanone	0.193	0.197	-2.1	156#	-0.01
31	2,2-Dichloropropane	0.521	0.505	3.1	147	0.00
32 M	1,1,1-Trichloroethane	0.511	0.484	5.3	145	0.00
33 M	Carbon Tetrachloride	0.437	0.403	7.8	142	0.00
34 M	Benzene	1.435	1.330	7.3	141	0.00
35	Methacrylonitrile	0.222	0.225	-1.4	150	0.00
36 M	1,2-Dichloroethane	0.421	0.391	7.1	141	0.00
37 M	Trichloroethene	0.398	0.329	17.3	130	0.00
38	Methylcyclohexane	0.489	0.488	0.2	156#	0.00
39 M	1,2-Dichloropropane	0.346	0.325	6.1	143	0.00
40	Dibromomethane	0.226	0.208	8.0	141	0.00
41 M	Bromodichloromethane	0.473	0.439	7.2	143	0.00
42 M	Vinyl Acetate	0.563	0.616	-9.4	161#	-0.01
43	Ethyl Acetate	0.395	0.395	0.0	148	0.00
44	Isopropyl Acetate	0.678	0.682	-0.6	152#	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	136	0.00
46	Methyl methacrylate	0.313	0.322	-2.9	160#	0.00
47	n-amyl Acetate	0.545	0.535	1.8	148	0.00
48 M	t-1,3-Dichloropropene	0.506	0.492	2.8	151#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.557	0.538	3.4	151#	0.00
50 M	1,1,2-Trichloroethane	0.318	0.300	5.7	145	0.00
51	Ethyl methacrylate	0.515	0.514	0.2	157#	0.00
52	1,3-Dichloropropane	0.565	0.521	7.8	143	0.00
53 M	Dibromochloromethane	0.360	0.330	8.3	144	0.00
54 M	1,2-Dibromoethane	0.325	0.303	6.8	143	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.234	5.3	152#	0.00
56 M	Bromoform	0.227	0.206	9.3	141	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	145	0.00
58 M	4-Methyl-2-Pentanone	0.440	0.447	-1.6	142	0.00
59 M	2-Hexanone	0.315	0.311	1.3	140	0.00
60 S	4-Bromofluorobenzene	0.471	0.462	1.9	143	0.00
61 M	Tetrachloroethene	0.504	0.387	23.2	112	0.00
62 M	Toluene	1.690	1.677	0.8	142	0.00
63 S	Toluene-d8	1.377	1.394	-1.2	145	0.00
64 M	Chlorobenzene	1.078	1.043	3.2	140	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.352	0.6	145	0.00
66 M	Ethyl Benzene	1.828	1.801	1.5	142	0.00
67 M	m/p-Xylenes	0.717	0.695	3.1	139	0.00
68 M	o-Xylene	0.695	0.683	1.7	143	0.00
69 M	Styrene	1.158	1.125	2.8	141	0.00
70	Isopropylbenzene	1.653	1.648	0.3	144	0.00
71 M	1,1,2,2-Tetrachloroethane	0.393	0.464	-18.1	164#	0.00
72	1,2,3-Trichloropropane	0.461	0.386	16.3	120	0.00
73	Bromobenzene	0.411	0.383	6.8	134	0.00
74	n-propylbenzene	1.958	1.857	5.2	137	0.00
75	2-Chlorotoluene	1.257	1.187	5.6	136	0.00
76	1,3,5-Trimethylbenzene	1.375	1.344	2.3	142	0.00
77	t-1,4-Dichloro-2-butene	0.189	0.202	-6.9	162#	0.00
78	4-Chlorotoluene	1.245	1.158	7.0	136	0.00
79	tert-butylbenzene	1.189	1.124	5.5	138	0.00
80	1,2,4-Trimethylbenzene	1.380	1.330	3.6	139	0.00
81	sec-Butylbenzene	1.620	1.543	4.8	139	0.00
82	p-Isopropyltoluene	1.360	1.325	2.6	142	0.00
83 M	1,3-Dichlorobenzene	0.754	0.676	10.3	134	0.00
84 M	1,4-Dichlorobenzene	0.750	0.691	7.9	138	0.00
85	n-Butylbenzene	1.139	1.090	4.3	146	0.00
86 T	Hexachloroethane	0.232	0.223	3.9	144	0.00
87 M	1,2-Dichlorobenzene	0.727	0.661	9.1	134	0.00
88	1,2-Dibromo-3-Chloropropane	0.083	0.100	-20.5	183#	0.00
89	1,2,4-Trichlorobenzene	0.304	0.334	-9.9	173#	0.00
90	Hexachlorobutadiene	0.130	0.118	9.2	141	0.00
91 M	Naphthalene	1.062	1.252	-17.9	192#	0.00
92	1,2,3-Trichlorobenzene	0.304	0.334	-9.9	173#	0.00

(#) = Out of Range

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