

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 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 18 23:14:38 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	132	-0.02
2 M	Dichlorodifluoromethane	1.806	1.438	20.4	115	-0.01
3 M	Chloromethane	1.844	1.699	7.9	144	-0.01
4 M	Vinyl Chloride	2.005	1.785	11.0	131	-0.01
5 M	Bromomethane	1.064	1.047	1.6	144	-0.02
6 M	Chloroethane	1.075	1.179	-9.7	162#	-0.01
7 M	Trichlorofluoromethane	2.459	2.669	-8.5	152#	-0.02
8 T	Diethyl Ether	1.208	1.123	7.0	138	-0.02
9	1,1,2-Trichlorotrifluoroeth	1.823	1.444	20.8	114	-0.03
10 M	1,1-Dichloroethene	1.817	1.427	21.5	113	-0.03
11	Methyl Iodide	1.628	1.469	9.8	151#	-0.03
12	Methyl Acetate	2.851	3.019	-5.9	153#	-0.03
13 M	Acrolein	0.438	0.309	29.5#	114	-0.03
14 M	Acrylonitrile	1.330	1.237	7.0	133	-0.03
15 M	Acetone	0.388	0.348	10.3	125	-0.03
16 M	Carbon Disulfide	5.313	3.940	25.8#	108	-0.03
17	Allyl chloride	2.997	2.776	7.4	133	-0.02
18 M	Methylene Chloride	2.105	2.029	3.6	138	-0.03
19 M	trans-1,2-Dichloroethene	1.987	1.674	15.8	122	-0.04
20 T	Diisopropyl ether	6.359	6.638	-4.4	144	-0.03
21 M	1,1-Dichloroethane	3.801	3.616	4.9	134	-0.03
22 M	cis-1,2-Dichloroethene	2.313	2.136	7.7	135	-0.02
23 M	tert-Butyl Alcohol	0.500	0.452	9.6	132	-0.01
24 M	Methyl tert-Butyl Ether	6.374	6.346	0.4	147	-0.03
25 M	Chloroform	3.641	3.679	-1.0	146	-0.02
26	Cyclohexane	3.159	2.599	17.7	122	-0.02
27 s	1,2-Dichloroethane-d4	2.260	2.451	-8.5	141	-0.02
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	126	-0.02
29	1,1-Dichloropropene	0.468	0.446	4.7	140	-0.02
30 M	2-Butanone	0.315	0.330	-4.8	145	-0.02
31	2,2-Dichloropropane	0.564	0.562	0.4	137	-0.02
32 M	1,1,1-Trichloroethane	0.546	0.575	-5.3	145	-0.02
33 M	Carbon Tetrachloride	0.460	0.485	-5.4	153#	-0.03
34 M	Benzene	1.481	1.442	2.6	139	-0.02
35	Methacrylonitrile	0.318	0.347	-9.1	153#	-0.02
36 M	1,2-Dichloroethane	0.479	0.539	-12.5	153#	-0.02
37 M	Trichloroethene	0.342	0.321	6.1	137	-0.02
38	Methylcyclohexane	0.537	0.487	9.3	130	-0.02
39 M	1,2-Dichloropropane	0.372	0.379	-1.9	137	-0.02
40	Dibromomethane	0.253	0.268	-5.9	143	-0.02
41 M	Bromodichloromethane	0.510	0.558	-9.4	145	-0.02
42 M	Vinyl Acetate	1.026	1.019	0.7	135	-0.02
43	Ethyl Acetate	0.569	0.637	-12.0	143	-0.02
44	Isopropyl Acetate	0.928	1.001	-7.9	151#	-0.02
45 T	1,4-Dioxane	0.006	0.007	-16.7	151#	-0.02
46	Methyl methacrylate	0.431	0.468	-8.6	148	-0.02
47	n-amyl Acetate	0.567	0.673	-18.7	167#	-0.01
48 M	t-1,3-Dichloropropene	0.569	0.589	-3.5	145	-0.02

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.615	-1.7	136	-0.02
50 M	1,1,2-Trichloroethane	0.359	0.362	-0.8	136	-0.02
51	Ethyl methacrylate	0.547	0.579	-5.9	155#	-0.03
52	1,3-Dichloropropane	0.617	0.645	-4.5	142	-0.02
53 M	Dibromochloromethane	0.377	0.416	-10.3	152#	-0.02
54 M	1,2-Dibromoethane	0.371	0.367	1.1	134	-0.02
55 M	2-Chloroethyl vinyl ether	0.313	0.321	-2.6	139	-0.02
56 M	Bromoform	0.259	0.273	-5.4	147	-0.02
57 I	Chlorobenzene-d5	1.000	1.000	0.0	119	-0.02
58 M	4-Methyl-2-Pentanone	0.603	0.712	-18.1	154#	-0.02
59 M	2-Hexanone	0.389	0.490	-26.0#	180#	-0.03
60 S	4-Bromofluorobenzene	0.463	0.486	-5.0	129	-0.02
61 M	Tetrachloroethene	0.297	0.308	-3.7	136	-0.02
62 M	Toluene	1.694	1.691	0.2	129	-0.02
63 S	Toluene-d8	1.347	1.348	-0.1	114	-0.02
64 M	Chlorobenzene	1.081	1.094	-1.2	132	-0.02
65	1,1,1,2-Tetrachloroethane	0.357	0.397	-11.2	145	-0.02
66 M	Ethyl Benzene	1.855	1.825	1.6	131	-0.02
67 M	m/p-Xylenes	0.711	0.711	0.0	132	-0.02
68 M	o-Xylene	0.678	0.690	-1.8	135	-0.02
69 M	Styrene	1.164	1.161	0.3	132	-0.02
70	Isopropylbenzene	1.689	1.760	-4.2	141	-0.02
71 M	1,1,2,2-Tetrachloroethane	0.608	0.622	-2.3	130	-0.02
72	1,2,3-Trichloropropane	0.524	0.602	-14.9	153#	-0.02
73	Bromobenzene	0.410	0.445	-8.5	146	-0.02
74	n-propylbenzene	2.063	2.119	-2.7	139	-0.02
75	2-Chlorotoluene	1.246	1.277	-2.5	140	-0.02
76	1,3,5-Trimethylbenzene	1.375	1.466	-6.6	147	-0.02
77	t-1,4-Dichloro-2-butene	0.232	0.220	5.2	133	-0.02
78	4-Chlorotoluene	1.276	1.350	-5.8	144	-0.02
79	tert-butylbenzene	1.156	1.241	-7.4	149	-0.02
80	1,2,4-Trimethylbenzene	1.380	1.482	-7.4	149	-0.02
81	sec-Butylbenzene	1.680	1.801	-7.2	145	-0.02
82	p-Isopropyltoluene	1.398	1.550	-10.9	145	-0.02
83 M	1,3-Dichlorobenzene	0.789	0.844	-7.0	140	-0.02
84 M	1,4-Dichlorobenzene	0.794	0.801	-0.9	133	-0.02
85	n-Butylbenzene	1.275	1.427	-11.9	147	-0.02
86 T	Hexachloroethane	0.265	0.292	-10.2	152#	-0.02
87 M	1,2-Dichlorobenzene	0.744	0.797	-7.1	141	-0.02
88	1,2-Dibromo-3-Chloropropane	0.137	0.136	0.7	132	-0.02
89	1,2,4-Trichlorobenzene	0.421	0.465	-10.5	145	-0.02
90	Hexachlorobutadiene	0.125	0.191	-52.8#	202#	-0.02
91 M	Naphthalene	1.656	1.693	-2.2	139	-0.02
92	1,2,3-Trichlorobenzene	0.421	0.465	-10.5	145	-0.02

(#) = Out of Range

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