

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087366.D
 Acq On : 18 Jul 2025 15:02
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:21:09 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	113	-0.03
2 M	Dichlorodifluoromethane	1.806	1.308	27.6#	90	-0.01
3 M	Chloromethane	1.844	1.602	13.1	116	0.00
4 M	Vinyl Chloride	2.005	1.662	17.1	105	-0.01
5 M	Bromomethane	1.064	0.760	28.6#	89	-0.02
6 M	Chloroethane	1.075	1.081	-0.6	127	-0.01
7 M	Trichlorofluoromethane	2.459	2.542	-3.4	124	-0.02
8 T	Diethyl Ether	1.208	1.051	13.0	111	-0.02
9	1,1,2-Trichlorotrifluoroeth	1.823	1.430	21.6	97	-0.04
10 M	1,1-Dichloroethene	1.817	1.436	21.0	97	-0.04
11	Methyl Iodide	1.628	0.975	40.1#	86	-0.04
12	Methyl Acetate	2.851	3.035	-6.5	132	-0.02
13 M	Acrolein	0.438	0.309	29.5#	98	-0.03
14 M	Acrylonitrile	1.330	1.231	7.4	114	-0.02
15 M	Acetone	0.388	0.320	17.5	99	-0.03
16 M	Carbon Disulfide	5.313	3.748	29.5#	88	-0.04
17	Allyl chloride	2.997	2.646	11.7	109	-0.03
18 M	Methylene Chloride	2.105	1.836	12.8	107	-0.03
19 M	trans-1,2-Dichloroethene	1.987	1.609	19.0	100	-0.02
20 T	Diisopropyl ether	6.359	6.296	1.0	117	-0.03
21 M	1,1-Dichloroethane	3.801	3.440	9.5	109	-0.02
22 M	cis-1,2-Dichloroethene	2.313	2.042	11.7	111	-0.02
23 M	tert-Butyl Alcohol	0.500	0.430	14.0	108	0.00
24 M	Methyl tert-Butyl Ether	6.374	6.077	4.7	120	-0.02
25 M	Chloroform	3.641	3.604	1.0	123	-0.02
26	Cyclohexane	3.159	2.428	23.1	98	-0.02
27 s	1,2-Dichloroethane-d4	2.260	2.493	-10.3	123	-0.02
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	-0.02
29	1,1-Dichloropropene	0.468	0.429	8.3	112	-0.02
30 M	2-Butanone	0.315	0.338	-7.3	124	-0.02
31	2,2-Dichloropropane	0.564	0.558	1.1	113	-0.02
32 M	1,1,1-Trichloroethane	0.546	0.575	-5.3	121	-0.02
33 M	Carbon Tetrachloride	0.460	0.475	-3.3	125	-0.02
34 M	Benzene	1.481	1.412	4.7	113	-0.02
35	Methacrylonitrile	0.318	0.357	-12.3	132	-0.02
36 M	1,2-Dichloroethane	0.479	0.541	-12.9	128	-0.01
37 M	Trichloroethene	0.342	0.341	0.3	122	-0.02
38	Methylcyclohexane	0.537	0.450	16.2	100	-0.02
39 M	1,2-Dichloropropane	0.372	0.390	-4.8	118	-0.02
40	Dibromomethane	0.253	0.265	-4.7	119	-0.02
41 M	Bromodichloromethane	0.510	0.566	-11.0	123	-0.02
42 M	Vinyl Acetate	1.026	1.007	1.9	111	-0.02
43	Ethyl Acetate	0.569	0.643	-13.0	120	-0.02
44	Isopropyl Acetate	0.928	1.025	-10.5	129	-0.02
45 T	1,4-Dioxane	0.006	0.006	0.0	114	-0.01
46	Methyl methacrylate	0.431	0.491	-13.9	130	-0.02
47	n-amyl Acetate	0.567	0.530	6.5	110	0.00
48 M	t-1,3-Dichloropropene	0.569	0.573	-0.7	118	-0.02

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.617	-2.0	114	-0.02
50 M	1,1,2-Trichloroethane	0.359	0.380	-5.8	120	-0.02
51	Ethyl methacrylate	0.547	0.562	-2.7	125	-0.02
52	1,3-Dichloropropane	0.617	0.638	-3.4	117	-0.02
53 M	Dibromochloromethane	0.377	0.411	-9.0	126	-0.02
54 M	1,2-Dibromoethane	0.371	0.377	-1.6	115	-0.02
55 M	2-Chloroethyl vinyl ether	0.313	0.319	-1.9	115	-0.02
56 M	Bromoform	0.259	0.266	-2.7	119	-0.02
57 I	Chlorobenzene-d5	1.000	1.000	0.0	102	-0.02
58 M	4-Methyl-2-Pentanone	0.603	0.742	-23.1	138	-0.02
59 M	2-Hexanone	0.389	0.489	-25.7#	154#	-0.02
60 S	4-Bromofluorobenzene	0.463	0.479	-3.5	109	-0.02
61 M	Tetrachloroethene	0.297	0.304	-2.4	116	-0.02
62 M	Toluene	1.694	1.653	2.4	108	-0.02
63 S	Toluene-d8	1.347	1.344	0.2	98	-0.02
64 M	Chlorobenzene	1.081	1.055	2.4	109	-0.02
65	1,1,1,2-Tetrachloroethane	0.357	0.374	-4.8	117	-0.02
66 M	Ethyl Benzene	1.855	1.723	7.1	106	-0.02
67 M	m/p-Xylenes	0.711	0.679	4.5	108	-0.02
68 M	o-Xylene	0.678	0.652	3.8	110	-0.02
69 M	Styrene	1.164	1.128	3.1	110	-0.02
70	Isopropylbenzene	1.689	1.663	1.5	114	-0.02
71 M	1,1,2,2-Tetrachloroethane	0.608	0.644	-5.9	116	-0.02
72	1,2,3-Trichloropropane	0.524	0.621	-18.5	136	-0.01
73	Bromobenzene	0.410	0.424	-3.4	120	-0.02
74	n-propylbenzene	2.063	2.074	-0.5	117	-0.02
75	2-Chlorotoluene	1.246	1.259	-1.0	119	-0.02
76	1,3,5-Trimethylbenzene	1.375	1.418	-3.1	122	-0.02
77	t-1,4-Dichloro-2-butene	0.232	0.194	16.4	101	-0.01
78	4-Chlorotoluene	1.276	1.354	-6.1	124	-0.02
79	tert-butylbenzene	1.156	1.227	-6.1	126	-0.02
80	1,2,4-Trimethylbenzene	1.380	1.477	-7.0	128	-0.02
81	sec-Butylbenzene	1.680	1.742	-3.7	120	-0.02
82	p-Isopropyltoluene	1.398	1.504	-7.6	121	-0.02
83 M	1,3-Dichlorobenzene	0.789	0.814	-3.2	116	-0.02
84 M	1,4-Dichlorobenzene	0.794	0.813	-2.4	116	-0.02
85	n-Butylbenzene	1.275	1.369	-7.4	121	-0.02
86 T	Hexachloroethane	0.265	0.274	-3.4	123	-0.02
87 M	1,2-Dichlorobenzene	0.744	0.802	-7.8	122	-0.02
88	1,2-Dibromo-3-Chloropropane	0.137	0.143	-4.4	119	-0.02
89	1,2,4-Trichlorobenzene	0.421	0.458	-8.8	123	-0.02
90	Hexachlorobutadiene	0.125	0.189	-51.2#	172#	-0.02
91 M	Naphthalene	1.656	1.593	3.8	112	-0.02
92	1,2,3-Trichlorobenzene	0.421	0.458	-8.8	123	-0.02

(#) = Out of Range

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