

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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	158#	0.00
2 M	Dichlorodifluoromethane	2.071	2.317	-11.9	172#	0.00
3 M	Chloromethane	2.942	2.488	15.4	135	0.00
4 M	Vinyl Chloride	2.818	2.695	4.4	151#	0.00
5 M	Bromomethane	1.471	1.407	4.4	148	0.00
6 M	Chloroethane	1.879	1.778	5.4	150	0.00
7 M	Trichlorofluoromethane	3.326	3.800	-14.3	176#	0.00
8 T	Diethyl Ether	1.404	1.497	-6.6	171#	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.291	-12.0	177#	0.00
10 M	1,1-Dichloroethene	2.093	2.209	-5.5	167#	0.00
11	Methyl Iodide	2.449	2.352	4.0	153#	0.00
12	Methyl Acetate	2.966	2.664	10.2	140	0.00
13 M	Acrolein	0.150	0.112	25.3#	139	0.00
14 M	Acrylonitrile	1.104	1.058	4.2	151#	0.00
15 M	Acetone	0.304	0.277	8.9	157#	0.00
16 M	Carbon Disulfide	5.515	6.086	-10.4	172#	0.00
17	Allyl chloride	3.346	3.153	5.8	153#	0.00
18 M	Methylene Chloride	2.383	2.520	-5.7	167#	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.357	-5.6	169#	0.00
20 T	Diisopropyl ether	7.957	7.502	5.7	152#	0.00
21 M	1,1-Dichloroethane	4.355	4.399	-1.0	161#	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.945	-5.6	170#	0.00
23 M	tert-Butyl Alcohol	0.428	0.422	1.4	147	0.00
24 M	Methyl tert-Butyl Ether	7.733	8.171	-5.7	167#	0.00
25 M	Chloroform	4.408	4.571	-3.7	162#	0.00
26	Cyclohexane	3.846	3.669	4.6	154#	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.686	7.1	143	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	152#	0.00
29	1,1-Dichloropropene	0.529	0.548	-3.6	165#	0.00
30 M	2-Butanone	0.257	0.244	5.1	150#	0.00
31	2,2-Dichloropropane	0.680	0.698	-2.6	162#	0.00
32 M	1,1,1-Trichloroethane	0.632	0.686	-8.5	170#	0.00
33 M	Carbon Tetrachloride	0.520	0.578	-11.2	173#	0.00
34 M	Benzene	1.682	1.753	-4.2	163#	0.00
35	Methacrylonitrile	0.293	0.272	7.2	139	0.00
36 M	1,2-Dichloroethane	0.546	0.581	-6.4	166#	0.00
37 M	Trichloroethene	0.421	0.457	-8.6	175#	0.00
38	Methylcyclohexane	0.611	0.644	-5.4	167#	0.00
39 M	1,2-Dichloropropane	0.416	0.411	1.2	156#	0.00
40	Dibromomethane	0.278	0.295	-6.1	165#	0.00
41 M	Bromodichloromethane	0.588	0.619	-5.3	165#	0.00
42 M	Vinyl Acetate	0.889	0.925	-4.0	160#	0.00
43	Ethyl Acetate	0.508	0.508	0.0	163#	0.00
44	Isopropyl Acetate	0.964	0.950	1.5	155#	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	157#	0.00
46	Methyl methacrylate	0.445	0.428	3.8	151#	0.00
47	n-amyl Acetate	0.822	0.818	0.5	159#	0.00
48 M	t-1,3-Dichloropropene	0.657	0.661	-0.6	160#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.702	-1.3	161#	0.00
50 M	1,1,2-Trichloroethane	0.388	0.415	-7.0	165#	0.00
51	Ethyl methacrylate	0.676	0.686	-1.5	162#	0.00
52	1,3-Dichloropropane	0.686	0.713	-3.9	163#	0.00
53 M	Dibromochloromethane	0.436	0.478	-9.6	174#	0.00
54 M	1,2-Dibromoethane	0.395	0.424	-7.3	168#	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.287	9.7	141	0.00
56 M	Bromoform	0.283	0.310	-9.5	172#	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	150#	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.577	0.7	153#	0.00
59 M	2-Hexanone	0.428	0.419	2.1	150#	0.00
60 S	4-Bromofluorobenzene	0.590	0.576	2.4	150#	0.00
61 M	Tetrachloroethene	0.458	0.494	-7.9	172#	0.00
62 M	Toluene	2.008	2.140	-6.6	165#	0.00
63 S	Toluene-d8	1.650	1.629	1.3	148	0.00
64 M	Chlorobenzene	1.251	1.374	-9.8	170#	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.469	-12.2	175#	0.00
66 M	Ethyl Benzene	2.260	2.368	-4.8	163#	0.00
67 M	m/p-Xylenes	0.858	0.913	-6.4	167#	0.00
68 M	o-Xylene	0.840	0.907	-8.0	170#	0.00
69 M	Styrene	1.423	1.512	-6.3	168#	0.00
70	Isopropylbenzene	2.096	2.231	-6.4	166#	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.619	-12.1	165#	0.00
72	1,2,3-Trichloropropane	0.481	0.596	-23.9	193#	0.00
73	Bromobenzene	0.482	0.548	-13.7	177#	0.00
74	n-propylbenzene	2.491	2.596	-4.2	165#	0.00
75	2-Chlorotoluene	1.555	1.617	-4.0	163#	0.00
76	1,3,5-Trimethylbenzene	1.720	1.845	-7.3	170#	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.219	10.2	145	0.00
78	4-Chlorotoluene	1.555	1.618	-4.1	169#	0.00
79	tert-butylbenzene	1.473	1.620	-10.0	173#	0.00
80	1,2,4-Trimethylbenzene	1.757	1.864	-6.1	168#	0.00
81	sec-Butylbenzene	2.103	2.282	-8.5	175#	0.00
82	p-Isopropyltoluene	1.759	1.913	-8.8	179#	0.00
83 M	1,3-Dichlorobenzene	0.911	0.991	-8.8	179#	0.00
84 M	1,4-Dichlorobenzene	0.900	0.982	-9.1	179#	0.00
85	n-Butylbenzene	1.570	1.646	-4.8	175#	0.00
86 T	Hexachloroethane	0.288	0.296	-2.8	169#	0.00
87 M	1,2-Dichlorobenzene	0.867	0.944	-8.9	178#	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.112	0.0	165#	0.00
89	1,2,4-Trichlorobenzene	0.395	0.454	-14.9	196#	0.00
90	Hexachlorobutadiene	0.159	0.188	-18.2	199#	0.00
91 M	Naphthalene	1.414	1.524	-7.8	184#	0.00
92	1,2,3-Trichlorobenzene	0.395	0.454	-14.9	196#	0.00

(#) = Out of Range

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