

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088463.D
 Acq On : 05 Dec 2025 08:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 05 23:35:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 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	104	0.00
2 M	Dichlorodifluoromethane	2.109	2.385	-13.1	105	0.00
3 M	Chloromethane	2.174	2.358	-8.5	107	0.00
4 M	Vinyl Chloride	2.299	2.426	-5.5	105	0.00
5 M	Bromomethane	1.226	1.137	7.3	98	0.00
6 M	Chloroethane	1.421	1.592	-12.0	111	0.00
7 M	Trichlorofluoromethane	3.223	3.826	-18.7	116	0.00
8 T	Diethyl Ether	1.205	1.281	-6.3	111	0.00
9	1,1,2-Trichlorotrifluoroeth	1.691	1.984	-17.3	115	0.00
10 M	1,1-Dichloroethene	1.650	1.843	-11.7	110	0.01
11	Methyl Iodide	1.756	1.518	13.6	91	0.00
12	Methyl Acetate	2.661	2.976	-11.8	114	0.00
13 M	Acrolein	0.392	0.450	-14.8	133	0.00
14 M	Acrylonitrile	1.209	1.229	-1.7	105	0.00
15 M	Acetone	0.354	0.228	35.6#	65	0.00
16 M	Carbon Disulfide	5.564	5.775	-3.8	102	0.00
17	Allyl chloride	3.206	3.206	0.0	101	0.00
18 M	Methylene Chloride	2.050	2.187	-6.7	109	0.00
19 M	trans-1,2-Dichloroethene	1.921	2.029	-5.6	104	-0.01
20 T	Diisopropyl ether	6.850	7.536	-10.0	112	0.00
21 M	1,1-Dichloroethane	3.859	4.315	-11.8	112	0.00
22 M	cis-1,2-Dichloroethene	2.233	2.378	-6.5	109	0.00
23 M	tert-Butyl Alcohol	0.445	0.372	16.4	89	-0.02
24 M	Methyl tert-Butyl Ether	6.651	6.910	-3.9	109	0.00
25 M	Chloroform	3.824	4.394	-14.9	118	0.00
26	Cyclohexane	3.260	3.509	-7.6	104	0.00
27 s	1,2-Dichloroethane-d4	2.740	2.985	-8.9	114	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
29	1,1-Dichloropropene	0.501	0.553	-10.4	110	0.00
30 M	2-Butanone	0.324	0.281	13.3	91	0.00
31	2,2-Dichloropropane	0.617	0.709	-14.9	115	0.00
32 M	1,1,1-Trichloroethane	0.617	0.713	-15.6	116	0.00
33 M	Carbon Tetrachloride	0.527	0.600	-13.9	114	0.00
34 M	Benzene	1.496	1.622	-8.4	110	0.00
35	Methacrylonitrile	0.338	0.362	-7.1	113	0.00
36 M	1,2-Dichloroethane	0.582	0.664	-14.1	117	0.00
37 M	Trichloroethene	0.339	0.359	-5.9	107	0.00
38	Methylcyclohexane	0.574	0.567	1.2	97	0.00
39 M	1,2-Dichloropropane	0.386	0.427	-10.6	114	0.00
40	Dibromomethane	0.277	0.304	-9.7	111	0.00
41 M	Bromodichloromethane	0.558	0.629	-12.7	119	0.00
42 M	Vinyl Acetate	1.081	1.222	-13.0	118	0.00
43	Ethyl Acetate	0.651	0.620	4.8	97	0.00
44	Isopropyl Acetate	1.004	1.042	-3.8	108	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	79	0.00
46	Methyl methacrylate	0.470	0.452	3.8	102	0.00
47	n-amyl Acetate	0.509	0.591	-16.1	131	0.00
48 M	t-1,3-Dichloropropene	0.597	0.611	-2.3	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.621	0.681	-9.7	113	0.00
50 M	1,1,2-Trichloroethane	0.343	0.369	-7.6	112	0.00
51	Ethyl methacrylate	0.564	0.573	-1.6	111	0.00
52	1,3-Dichloropropane	0.625	0.668	-6.9	111	0.00
53 M	Dibromochloromethane	0.394	0.418	-6.1	112	0.00
54 M	1,2-Dibromoethane	0.356	0.367	-3.1	109	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.348	-7.1	116	0.00
56 M	Bromoform	0.249	0.252	-1.2	109	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	0.679	0.740	-9.0	113	0.00
59 M	2-Hexanone	0.451	0.446	1.1	107	0.00
60 S	4-Bromofluorobenzene	0.507	0.510	-0.6	108	0.00
61 M	Tetrachloroethene	0.309	0.365	-18.1	116	0.00
62 M	Toluene	1.722	1.886	-9.5	111	0.00
63 S	Toluene-d8	1.420	1.494	-5.2	107	0.00
64 M	Chlorobenzene	1.066	1.131	-6.1	111	0.00
65	1,1,1,2-Tetrachloroethane	0.365	0.401	-9.9	113	0.00
66 M	Ethyl Benzene	1.897	2.024	-6.7	110	0.00
67 M	m/p-Xylenes	0.710	0.754	-6.2	109	0.00
68 M	o-Xylene	0.669	0.697	-4.2	109	0.00
69 M	Styrene	1.137	1.221	-7.4	114	0.00
70	Isopropylbenzene	1.774	1.874	-5.6	109	0.00
71 M	1,1,2,2-Tetrachloroethane	0.575	0.607	-5.6	110	0.00
72	1,2,3-Trichloropropane	0.557	0.553	0.7	113	0.00
73	Bromobenzene	0.400	0.425	-6.2	111	0.00
74	n-propylbenzene	2.195	2.365	-7.7	110	0.00
75	2-Chlorotoluene	1.335	1.391	-4.2	108	0.00
76	1,3,5-Trimethylbenzene	1.489	1.543	-3.6	107	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.203	-6.3	118	0.00
78	4-Chlorotoluene	1.353	1.464	-8.2	112	0.00
79	tert-butylbenzene	1.275	1.282	-0.5	105	0.00
80	1,2,4-Trimethylbenzene	1.481	1.555	-5.0	110	0.00
81	sec-Butylbenzene	1.859	1.921	-3.3	105	0.00
82	p-Isopropyltoluene	1.536	1.559	-1.5	103	0.00
83 M	1,3-Dichlorobenzene	0.778	0.834	-7.2	109	0.00
84 M	1,4-Dichlorobenzene	0.788	0.854	-8.4	113	0.00
85	n-Butylbenzene	1.464	1.472	-0.5	100	0.00
86 T	Hexachloroethane	0.294	0.272	7.5	97	0.00
87 M	1,2-Dichlorobenzene	0.734	0.762	-3.8	107	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.135	0.0	110	0.00
89	1,2,4-Trichlorobenzene	0.412	0.409	0.7	106	0.00
90	Hexachlorobutadiene	0.160	0.157	1.9	99	0.00
91 M	Naphthalene	1.491	1.399	6.2	101	0.00
92	1,2,3-Trichlorobenzene	0.412	0.409	0.7	106	0.00

(#) = Out of Range

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