

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088331.D
 Acq On : 20 Nov 2025 15:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 21 03:03:26 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	97	0.00
2 M	Dichlorodifluoromethane	2.109	1.932	8.4	79	0.00
3 M	Chloromethane	2.174	2.002	7.9	84	0.00
4 M	Vinyl Chloride	2.299	2.158	6.1	86	0.00
5 M	Bromomethane	1.226	0.969	21.0	77	0.00
6 M	Chloroethane	1.421	1.349	5.1	87	0.00
7 M	Trichlorofluoromethane	3.223	2.915	9.6	82	0.00
8 T	Diethyl Ether	1.205	1.188	1.4	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.691	1.573	7.0	84	0.00
10 M	1,1-Dichloroethene	1.650	1.583	4.1	88	0.00
11	Methyl Iodide	1.756	1.358	22.7	75	0.00
12	Methyl Acetate	2.661	2.876	-8.1	102	0.00
13 M	Acrolein	0.392	0.477	-21.7	130	0.00
14 M	Acrylonitrile	1.209	1.235	-2.2	98	0.00
15 M	Acetone	0.354	0.270	23.7	72	0.00
16 M	Carbon Disulfide	5.564	5.153	7.4	84	0.00
17	Allyl chloride	3.206	3.001	6.4	88	0.00
18 M	Methylene Chloride	2.050	2.044	0.3	94	0.00
19 M	trans-1,2-Dichloroethene	1.921	1.844	4.0	88	0.00
20 T	Diisopropyl ether	6.850	6.851	-0.0	95	0.00
21 M	1,1-Dichloroethane	3.859	3.836	0.6	92	0.00
22 M	cis-1,2-Dichloroethene	2.233	2.231	0.1	95	0.00
23 M	tert-Butyl Alcohol	0.445	0.435	2.2	97	0.00
24 M	Methyl tert-Butyl Ether	6.651	6.494	2.4	95	0.00
25 M	Chloroform	3.824	3.853	-0.8	96	0.00
26	Cyclohexane	3.260	2.863	12.2	78	0.00
27 s	1,2-Dichloroethane-d4	2.740	2.660	2.9	94	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.501	0.465	7.2	83	0.00
30 M	2-Butanone	0.324	0.302	6.8	87	0.00
31	2,2-Dichloropropane	0.617	0.626	-1.5	91	0.00
32 M	1,1,1-Trichloroethane	0.617	0.600	2.8	87	0.00
33 M	Carbon Tetrachloride	0.527	0.487	7.6	83	0.00
34 M	Benzene	1.496	1.523	-1.8	93	0.00
35	Methacrylonitrile	0.338	0.364	-7.7	102	0.00
36 M	1,2-Dichloroethane	0.582	0.599	-2.9	95	0.00
37 M	Trichloroethene	0.339	0.345	-1.8	92	0.00
38	Methylcyclohexane	0.574	0.487	15.2	75	0.00
39 M	1,2-Dichloropropane	0.386	0.402	-4.1	97	0.00
40	Dibromomethane	0.277	0.288	-4.0	95	0.00
41 M	Bromodichloromethane	0.558	0.579	-3.8	98	0.00
42 M	Vinyl Acetate	1.081	1.202	-11.2	104	0.00
43	Ethyl Acetate	0.651	0.664	-2.0	93	0.00
44	Isopropyl Acetate	1.004	1.042	-3.8	97	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	98	0.00
46	Methyl methacrylate	0.470	0.480	-2.1	97	0.00
47	n-amyl Acetate	0.509	0.301	40.9#	60	0.01
48 M	t-1,3-Dichloropropene	0.597	0.581	2.7	95	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.621	0.638	-2.7	95	0.00
50 M	1,1,2-Trichloroethane	0.343	0.364	-6.1	99	0.00
51	Ethyl methacrylate	0.564	0.555	1.6	97	0.00
52	1,3-Dichloropropane	0.625	0.634	-1.4	94	0.00
53 M	Dibromochloromethane	0.394	0.402	-2.0	97	0.00
54 M	1,2-Dibromoethane	0.356	0.370	-3.9	99	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.304	6.5	91	0.00
56 M	Bromoform	0.249	0.242	2.8	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.679	0.736	-8.4	99	0.00
59 M	2-Hexanone	0.451	0.445	1.3	94	0.00
60 S	4-Bromofluorobenzene	0.507	0.474	6.5	89	0.00
61 M	Tetrachloroethene	0.309	0.371	-20.1	104	0.00
62 M	Toluene	1.722	1.828	-6.2	95	0.00
63 S	Toluene-d8	1.420	1.458	-2.7	93	0.00
64 M	Chlorobenzene	1.066	1.097	-2.9	95	0.00
65	1,1,1,2-Tetrachloroethane	0.365	0.389	-6.6	97	0.00
66 M	Ethyl Benzene	1.897	1.823	3.9	87	0.00
67 M	m/p-Xylenes	0.710	0.692	2.5	88	0.00
68 M	o-Xylene	0.669	0.650	2.8	90	0.00
69 M	Styrene	1.137	1.095	3.7	91	0.00
70	Isopropylbenzene	1.774	1.650	7.0	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.575	0.566	1.6	91	0.00
72	1,2,3-Trichloropropane	0.557	0.509	8.6	92	0.00
73	Bromobenzene	0.400	0.410	-2.5	95	0.00
74	n-propylbenzene	2.195	2.050	6.6	85	0.00
75	2-Chlorotoluene	1.335	1.262	5.5	87	0.00
76	1,3,5-Trimethylbenzene	1.489	1.364	8.4	84	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.176	7.9	91	0.00
78	4-Chlorotoluene	1.353	1.281	5.3	87	0.00
79	tert-butylbenzene	1.275	1.155	9.4	84	0.00
80	1,2,4-Trimethylbenzene	1.481	1.379	6.9	86	0.00
81	sec-Butylbenzene	1.859	1.670	10.2	80	0.00
82	p-Isopropyltoluene	1.536	1.403	8.7	82	0.00
83 M	1,3-Dichlorobenzene	0.778	0.773	0.6	90	0.00
84 M	1,4-Dichlorobenzene	0.788	0.772	2.0	91	0.00
85	n-Butylbenzene	1.464	1.309	10.6	79	0.00
86 T	Hexachloroethane	0.294	0.218	25.9#	69	0.00
87 M	1,2-Dichlorobenzene	0.734	0.725	1.2	90	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.131	3.0	94	0.00
89	1,2,4-Trichlorobenzene	0.412	0.402	2.4	92	0.00
90	Hexachlorobutadiene	0.160	0.154	3.8	86	0.00
91 M	Naphthalene	1.491	1.507	-1.1	97	0.00
92	1,2,3-Trichlorobenzene	0.412	0.402	2.4	92	0.00

(#) = Out of Range

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