

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088317.D
 Acq On : 20 Nov 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 21 02:54:12 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	88	0.00
2 M	Dichlorodifluoromethane	2.109	1.737	17.6	64	0.00
3 M	Chloromethane	2.174	1.862	14.4	71	0.00
4 M	Vinyl Chloride	2.299	1.863	19.0	68	0.00
5 M	Bromomethane	1.226	1.120	8.6	81	0.00
6 M	Chloroethane	1.421	1.219	14.2	72	0.00
7 M	Trichlorofluoromethane	3.223	2.635	18.2	67	0.00
8 T	Diethyl Ether	1.205	0.977	18.9	72	0.00
9	1,1,2-Trichlorotrifluoroeth	1.691	1.456	13.9	71	0.00
10 M	1,1-Dichloroethene	1.650	1.394	15.5	70	0.00
11	Methyl Iodide	1.756	1.268	27.8#	64	0.00
12	Methyl Acetate	2.661	2.221	16.5	72	0.00
13 M	Acrolein	0.392	0.304	22.4	75	0.00
14 M	Acrylonitrile	1.209	0.978	19.1	70	0.00
15 M	Acetone	0.354	0.288	18.6	70	0.00
16 M	Carbon Disulfide	5.564	4.601	17.3	68	0.00
17	Allyl chloride	3.206	2.512	21.6	67	0.00
18 M	Methylene Chloride	2.050	1.855	9.5	78	0.01
19 M	trans-1,2-Dichloroethene	1.921	1.570	18.3	68	0.00
20 T	Diisopropyl ether	6.850	5.627	17.9	71	0.00
21 M	1,1-Dichloroethane	3.859	3.248	15.8	71	0.00
22 M	cis-1,2-Dichloroethene	2.233	1.880	15.8	73	0.00
23 M	tert-Butyl Alcohol	0.445	0.296	33.5#	60	-0.02
24 M	Methyl tert-Butyl Ether	6.651	5.294	20.4	70	0.00
25 M	Chloroform	3.824	3.283	14.1	74	0.00
26	Cyclohexane	3.260	2.408	26.1#	60	0.00
27 s	1,2-Dichloroethane-d4	2.740	2.587	5.6	83	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
29	1,1-Dichloropropene	0.501	0.427	14.8	65	0.00
30 M	2-Butanone	0.324	0.277	14.5	69	0.00
31	2,2-Dichloropropane	0.617	0.555	10.0	69	0.00
32 M	1,1,1-Trichloroethane	0.617	0.558	9.6	70	0.00
33 M	Carbon Tetrachloride	0.527	0.467	11.4	68	0.00
34 M	Benzene	1.496	1.375	8.1	72	0.00
35	Methacrylonitrile	0.338	0.312	7.7	75	0.00
36 M	1,2-Dichloroethane	0.582	0.515	11.5	70	0.00
37 M	Trichloroethene	0.339	0.309	8.8	71	0.00
38	Methylcyclohexane	0.574	0.433	24.6	57	0.00
39 M	1,2-Dichloropropane	0.386	0.359	7.0	74	0.00
40	Dibromomethane	0.277	0.259	6.5	73	0.00
41 M	Bromodichloromethane	0.558	0.540	3.2	78	0.00
42 M	Vinyl Acetate	1.081	0.937	13.3	70	0.00
43	Ethyl Acetate	0.651	0.578	11.2	70	0.00
44	Isopropyl Acetate	1.004	0.887	11.7	71	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	64	0.00
46	Methyl methacrylate	0.470	0.391	16.8	68	0.00
47	n-amyl Acetate	0.509	0.447	12.2	76	0.02
48 M	t-1,3-Dichloropropene	0.597	0.528	11.6	74	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.621	0.562	9.5	72	0.00
50 M	1,1,2-Trichloroethane	0.343	0.333	2.9	78	0.00
51	Ethyl methacrylate	0.564	0.458	18.8	68	0.00
52	1,3-Dichloropropane	0.625	0.578	7.5	74	0.00
53 M	Dibromochloromethane	0.394	0.382	3.0	79	0.00
54 M	1,2-Dibromoethane	0.356	0.334	6.2	76	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.183	43.7#	47#	0.00
56 M	Bromoform	0.249	0.232	6.8	77	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
58 M	4-Methyl-2-Pentanone	0.679	0.594	12.5	72	0.00
59 M	2-Hexanone	0.451	0.395	12.4	75	0.00
60 S	4-Bromofluorobenzene	0.507	0.477	5.9	80	0.00
61 M	Tetrachloroethene	0.309	0.284	8.1	72	0.00
62 M	Toluene	1.722	1.537	10.7	72	0.00
63 S	Toluene-d8	1.420	1.426	-0.4	81	0.00
64 M	Chlorobenzene	1.066	0.963	9.7	75	0.00
65	1,1,1,2-Tetrachloroethane	0.365	0.341	6.6	77	0.00
66 M	Ethyl Benzene	1.897	1.578	16.8	68	0.00
67 M	m/p-Xylenes	0.710	0.614	13.5	71	0.00
68 M	o-Xylene	0.669	0.577	13.8	72	0.00
69 M	Styrene	1.137	0.950	16.4	71	0.00
70	Isopropylbenzene	1.774	1.427	19.6	66	0.00
71 M	1,1,2,2-Tetrachloroethane	0.575	0.550	4.3	80	0.00
72	1,2,3-Trichloropropane	0.557	0.451	19.0	74	0.00
73	Bromobenzene	0.400	0.368	8.0	77	0.00
74	n-propylbenzene	2.195	1.852	15.6	69	0.00
75	2-Chlorotoluene	1.335	1.125	15.7	70	0.00
76	1,3,5-Trimethylbenzene	1.489	1.250	16.1	69	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.131	31.4#	61	0.00
78	4-Chlorotoluene	1.353	1.197	11.5	73	0.00
79	tert-butylbenzene	1.275	1.049	17.7	68	0.00
80	1,2,4-Trimethylbenzene	1.481	1.235	16.6	70	0.00
81	sec-Butylbenzene	1.859	1.485	20.1	64	0.00
82	p-Isopropyltoluene	1.536	1.226	20.2	65	0.00
83 M	1,3-Dichlorobenzene	0.778	0.709	8.9	74	0.00
84 M	1,4-Dichlorobenzene	0.788	0.731	7.2	77	0.00
85	n-Butylbenzene	1.464	1.198	18.2	65	0.00
86 T	Hexachloroethane	0.294	0.256	12.9	73	0.00
87 M	1,2-Dichlorobenzene	0.734	0.665	9.4	74	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.110	18.5	71	0.00
89	1,2,4-Trichlorobenzene	0.412	0.347	15.8	72	0.00
90	Hexachlorobutadiene	0.160	0.144	10.0	72	0.00
91 M	Naphthalene	1.491	1.183	20.7	68	0.00
92	1,2,3-Trichlorobenzene	0.412	0.347	15.8	72	0.00

(#) = Out of Range

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