

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102025\
 Data File : VN088072.D
 Acq On : 20 Oct 2025 08:52
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 21 05:34:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 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	89	0.00
2 M	Dichlorodifluoromethane	1.718	1.883	-9.6	94	0.00
3 M	Chloromethane	1.948	1.947	0.1	90	0.00
4 M	Vinyl Chloride	2.031	2.097	-3.2	92	0.00
5 M	Bromomethane	1.092	1.203	-10.2	103	0.00
6 M	Chloroethane	1.340	1.480	-10.4	99	0.00
7 M	Trichlorofluoromethane	2.762	3.223	-16.7	105	0.00
8 T	Diethyl Ether	1.248	1.316	-5.4	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.479	1.650	-11.6	101	0.00
10 M	1,1-Dichloroethene	1.577	1.667	-5.7	95	0.00
11	Methyl Iodide	1.454	1.212	16.6	90	0.00
12	Methyl Acetate	2.564	2.746	-7.1	97	0.00
13 M	Acrolein	0.397	0.290	27.0#	73	0.00
14 M	Acrylonitrile	1.237	1.199	3.1	88	0.00
15 M	Acetone	0.362	0.333	8.0	81	0.00
16 M	Carbon Disulfide	4.945	4.869	1.5	89	0.01
17	Allyl chloride	2.976	3.006	-1.0	91	0.00
18 M	Methylene Chloride	2.005	1.939	3.3	89	0.00
19 M	trans-1,2-Dichloroethene	1.824	1.794	1.6	88	0.00
20 T	Diisopropyl ether	6.776	6.875	-1.5	91	0.00
21 M	1,1-Dichloroethane	3.528	3.632	-2.9	92	0.00
22 M	cis-1,2-Dichloroethene	2.283	2.273	0.4	90	0.00
23 M	tert-Butyl Alcohol	0.496	0.453	8.7	82	-0.02
24 M	Methyl tert-Butyl Ether	6.809	6.733	1.1	90	0.00
25 M	Chloroform	3.640	3.692	-1.4	92	0.00
26	Cyclohexane	2.923	3.048	-4.3	92	0.00
27 s	1,2-Dichloroethane-d4	2.336	2.535	-8.5	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.430	0.446	-3.7	96	0.00
30 M	2-Butanone	0.317	0.297	6.3	85	0.00
31	2,2-Dichloropropane	0.554	0.596	-7.6	98	0.00
32 M	1,1,1-Trichloroethane	0.537	0.564	-5.0	95	0.00
33 M	Carbon Tetrachloride	0.450	0.480	-6.7	97	0.00
34 M	Benzene	1.426	1.410	1.1	91	0.00
35	Methacrylonitrile	0.334	0.319	4.5	87	0.00
36 M	1,2-Dichloroethane	0.495	0.519	-4.8	96	0.00
37 M	Trichloroethene	0.338	0.322	4.7	87	0.00
38	Methylcyclohexane	0.531	0.544	-2.4	94	0.00
39 M	1,2-Dichloropropane	0.358	0.355	0.8	91	0.00
40	Dibromomethane	0.260	0.258	0.8	90	0.00
41 M	Bromodichloromethane	0.532	0.534	-0.4	93	0.00
42 M	Vinyl Acetate	1.080	0.998	7.6	90	0.00
43	Ethyl Acetate	0.610	0.612	-0.3	91	0.00
44	Isopropyl Acetate	0.996	0.954	4.2	88	0.00
45 T	1,4-Dioxane	0.007	0.007	0.0	82	0.00
46	Methyl methacrylate	0.439	0.376	14.4	88	0.00
47	n-amyl Acetate	0.472	0.545	-15.5	107	0.00
48 M	t-1,3-Dichloropropene	0.591	0.577	2.4	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.617	0.603	2.3	90	0.00
50 M	1,1,2-Trichloroethane	0.345	0.332	3.8	89	0.00
51	Ethyl methacrylate	0.583	0.556	4.6	91	0.00
52	1,3-Dichloropropane	0.601	0.595	1.0	91	0.00
53 M	Dibromochloromethane	0.412	0.406	1.5	92	0.00
54 M	1,2-Dibromoethane	0.369	0.358	3.0	90	0.00
55 M	2-Chloroethyl vinyl ether	0.315	0.305	3.2	86	0.00
56 M	Bromoform	0.279	0.254	9.0	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.671	0.650	3.1	89	0.00
59 M	2-Hexanone	0.443	0.421	5.0	88	0.00
60 S	4-Bromofluorobenzene	0.495	0.491	0.8	91	0.00
61 M	Tetrachloroethene	0.304	0.289	4.9	86	0.00
62 M	Toluene	1.702	1.675	1.6	90	0.00
63 S	Toluene-d8	1.337	1.373	-2.7	94	0.00
64 M	Chlorobenzene	1.087	1.064	2.1	90	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.367	2.1	88	0.00
66 M	Ethyl Benzene	1.850	1.840	0.5	92	0.00
67 M	m/p-Xylenes	0.713	0.703	1.4	90	0.00
68 M	o-Xylene	0.710	0.671	5.5	86	0.00
69 M	Styrene	1.175	1.130	3.8	91	0.00
70	Isopropylbenzene	1.740	1.741	-0.1	93	0.00
71 M	1,1,2,2-Tetrachloroethane	0.590	0.569	3.6	89	0.00
72	1,2,3-Trichloropropane	0.548	0.572	-4.4	101	0.00
73	Bromobenzene	0.425	0.392	7.8	84	0.00
74	n-propylbenzene	2.101	2.147	-2.2	94	0.00
75	2-Chlorotoluene	1.285	1.291	-0.5	93	0.00
76	1,3,5-Trimethylbenzene	1.478	1.459	1.3	91	0.00
77	t-1,4-Dichloro-2-butene	0.218	0.200	8.3	93	0.00
78	4-Chlorotoluene	1.305	1.334	-2.2	94	0.00
79	tert-butylbenzene	1.282	1.273	0.7	91	0.00
80	1,2,4-Trimethylbenzene	1.480	1.483	-0.2	92	0.00
81	sec-Butylbenzene	1.802	1.871	-3.8	95	0.00
82	p-Isopropyltoluene	1.538	1.553	-1.0	92	0.00
83 M	1,3-Dichlorobenzene	0.800	0.773	3.4	88	0.00
84 M	1,4-Dichlorobenzene	0.825	0.789	4.4	87	0.00
85	n-Butylbenzene	1.431	1.503	-5.0	96	0.00
86 T	Hexachloroethane	0.308	0.314	-1.9	95	0.00
87 M	1,2-Dichlorobenzene	0.787	0.735	6.6	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.136	0.129	5.1	84	0.00
89	1,2,4-Trichlorobenzene	0.469	0.411	12.4	80	0.00
90	Hexachlorobutadiene	0.163	0.155	4.9	89	0.00
91 M	Naphthalene	1.717	1.548	9.8	83	0.00
92	1,2,3-Trichlorobenzene	0.469	0.411	12.4	80	0.00

(#) = Out of Range

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