

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087435.D
 Acq On : 28 Jul 2025 16:34
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 29 01:11:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 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	58	0.00
2 M	Dichlorodifluoromethane	1.750	1.785	-2.0	57	0.00
3 M	Chloromethane	1.858	1.911	-2.9	59	0.00
4 M	Vinyl Chloride	1.880	1.849	1.6	57	0.00
5 M	Bromomethane	0.917	0.524	42.9#	34#	0.00
6 M	Chloroethane	1.060	1.089	-2.7	58	0.00
7 M	Trichlorofluoromethane	2.365	2.461	-4.1	61	0.00
8 T	Diethyl Ether	0.987	1.061	-7.5	61	0.00
9	1,1,2-Trichlorotrifluoroeth	1.290	1.309	-1.5	59	0.00
10 M	1,1-Dichloroethene	1.283	1.397	-8.9	62	0.00
11	Methyl Iodide	1.162	0.787	32.3#	51	0.00
12	Methyl Acetate	2.798	3.031	-8.3	63	0.00
13 M	Acrolein	0.228	0.247	-8.3	79	0.00
14 M	Acrylonitrile	1.213	1.282	-5.7	61	0.00
15 M	Acetone	0.281	0.327	-16.4	64	0.00
16 M	Carbon Disulfide	4.561	4.343	4.8	56	0.00
17	Allyl chloride	2.990	2.802	6.3	54	0.00
18 M	Methylene Chloride	1.932	1.924	0.4	57	0.00
19 M	trans-1,2-Dichloroethene	1.823	1.728	5.2	56	0.01
20 T	Diisopropyl ether	6.804	7.089	-4.2	59	0.00
21 M	1,1-Dichloroethane	3.448	3.440	0.2	58	0.00
22 M	cis-1,2-Dichloroethene	2.216	2.171	2.0	57	0.00
23 M	tert-Butyl Alcohol	0.470	0.519	-10.4	64	0.00
24 M	Methyl tert-Butyl Ether	6.367	6.468	-1.6	59	0.00
25 M	Chloroform	3.481	3.505	-0.7	59	0.00
26	Cyclohexane	3.185	3.067	3.7	57	0.00
27 s	1,2-Dichloroethane-d4	2.294	2.320	-1.1	59	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	57	0.00
29	1,1-Dichloropropene	0.426	0.436	-2.3	57	0.00
30 M	2-Butanone	0.309	0.351	-13.6	64	0.00
31	2,2-Dichloropropane	0.531	0.535	-0.8	56	0.00
32 M	1,1,1-Trichloroethane	0.512	0.526	-2.7	58	0.00
33 M	Carbon Tetrachloride	0.422	0.417	1.2	55	0.00
34 M	Benzene	1.393	1.380	0.9	55	0.00
35	Methacrylonitrile	0.353	0.374	-5.9	60	0.00
36 M	1,2-Dichloroethane	0.464	0.496	-6.9	60	0.00
37 M	Trichloroethene	0.318	0.312	1.9	56	0.00
38	Methylcyclohexane	0.549	0.528	3.8	56	0.00
39 M	1,2-Dichloropropane	0.351	0.360	-2.6	59	0.00
40	Dibromomethane	0.249	0.255	-2.4	60	0.00
41 M	Bromodichloromethane	0.501	0.515	-2.8	60	0.00
42 M	Vinyl Acetate	1.038	1.186	-14.3	65	0.00
43	Ethyl Acetate	0.633	0.678	-7.1	57	0.00
44	Isopropyl Acetate	1.011	1.104	-9.2	62	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	56	0.00
46	Methyl methacrylate	0.471	0.490	-4.0	62	0.00
47	n-amyl Acetate	0.417	0.566	-35.7#	129	0.01
48 M	t-1,3-Dichloropropene	0.564	0.568	-0.7	60	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.592	0.602	-1.7	60	0.00
50 M	1,1,2-Trichloroethane	0.331	0.343	-3.6	61	0.00
51	Ethyl methacrylate	0.600	0.597	0.5	59	0.00
52	1,3-Dichloropropane	0.572	0.591	-3.3	62	0.00
53 M	Dibromochloromethane	0.380	0.388	-2.1	62	0.00
54 M	1,2-Dibromoethane	0.348	0.354	-1.7	62	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.332	-34.4#	73	0.00
56 M	Bromoform	0.267	0.244	8.6	55	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	62	0.00
58 M	4-Methyl-2-Pentanone	0.676	0.754	-11.5	66	0.00
59 M	2-Hexanone	0.468	0.490	-4.7	64	0.00
60 S	4-Bromofluorobenzene	0.493	0.483	2.0	60	0.00
61 M	Tetrachloroethene	0.285	0.267	6.3	58	0.00
62 M	Toluene	1.693	1.673	1.2	61	0.00
63 S	Toluene-d8	1.378	1.372	0.4	61	0.00
64 M	Chlorobenzene	1.041	1.022	1.8	61	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.341	3.4	57	0.00
66 M	Ethyl Benzene	1.850	1.835	0.8	60	0.00
67 M	m/p-Xylenes	0.693	0.691	0.3	61	0.00
68 M	o-Xylene	0.678	0.666	1.8	58	0.00
69 M	Styrene	1.160	1.116	3.8	58	0.00
70	Isopropylbenzene	1.742	1.724	1.0	60	0.00
71 M	1,1,2,2-Tetrachloroethane	0.594	0.609	-2.5	62	0.00
72	1,2,3-Trichloropropane	0.540	0.501	7.2	51	0.00
73	Bromobenzene	0.405	0.389	4.0	60	0.00
74	n-propylbenzene	2.151	2.124	1.3	60	0.00
75	2-Chlorotoluene	1.276	1.233	3.4	58	0.00
76	1,3,5-Trimethylbenzene	1.443	1.427	1.1	59	0.00
77	t-1,4-Dichloro-2-butene	0.229	0.148	35.4#	41#	0.00
78	4-Chlorotoluene	1.311	1.273	2.9	58	0.00
79	tert-butylbenzene	1.247	1.221	2.1	59	0.00
80	1,2,4-Trimethylbenzene	1.432	1.438	-0.4	60	0.00
81	sec-Butylbenzene	1.852	1.826	1.4	59	0.00
82	p-Isopropyltoluene	1.503	1.504	-0.1	59	0.00
83 M	1,3-Dichlorobenzene	0.766	0.756	1.3	59	0.00
84 M	1,4-Dichlorobenzene	0.801	0.767	4.2	57	0.00
85	n-Butylbenzene	1.514	1.501	0.9	60	0.00
86 T	Hexachloroethane	0.305	0.266	12.8	52	0.00
87 M	1,2-Dichlorobenzene	0.745	0.723	3.0	59	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.137	0.0	62	0.00
89	1,2,4-Trichlorobenzene	0.454	0.424	6.6	57	0.00
90	Hexachlorobutadiene	0.173	0.167	3.5	60	0.00
91 M	Naphthalene	1.716	1.718	-0.1	62	0.00
92	1,2,3-Trichlorobenzene	0.454	0.424	6.6	57	0.00

(#) = Out of Range

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