

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086667.D
 Acq On : 16 May 2025 15:09
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 16 23:04:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 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	101	0.00
2 M	Dichlorodifluoromethane	2.071	2.194	-5.9	105	0.00
3 M	Chloromethane	2.942	2.932	0.3	102	0.00
4 M	Vinyl Chloride	2.818	2.827	-0.3	102	0.00
5 M	Bromomethane	1.471	1.601	-8.8	108	0.00
6 M	Chloroethane	1.879	1.891	-0.6	102	0.00
7 M	Trichlorofluoromethane	3.326	3.620	-8.8	108	0.00
8 T	Diethyl Ether	1.404	1.476	-5.1	108	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.262	-10.6	112	0.00
10 M	1,1-Dichloroethene	2.093	2.201	-5.2	106	0.00
11	Methyl Iodide	2.449	2.397	2.1	100	0.00
12	Methyl Acetate	2.966	3.404	-14.8	115	0.00
13 M	Acrolein	0.150	0.155	-3.3	123	0.00
14 M	Acrylonitrile	1.104	1.240	-12.3	114	0.00
15 M	Acetone	0.304	0.364	-19.7	132	0.00
16 M	Carbon Disulfide	5.515	5.405	2.0	98	0.00
17	Allyl chloride	3.346	3.395	-1.5	106	0.00
18 M	Methylene Chloride	2.383	2.613	-9.7	111	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.292	-2.7	106	0.00
20 T	Diisopropyl ether	7.957	8.040	-1.0	104	0.00
21 M	1,1-Dichloroethane	4.355	4.562	-4.8	107	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.903	-4.1	107	0.00
23 M	tert-Butyl Alcohol	0.428	0.464	-8.4	104	0.00
24 M	Methyl tert-Butyl Ether	7.733	7.945	-2.7	104	0.00
25 M	Chloroform	4.408	4.669	-5.9	106	0.00
26	Cyclohexane	3.846	3.623	5.8	97	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.843	1.7	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.529	0.523	1.1	103	0.00
30 M	2-Butanone	0.257	0.272	-5.8	110	0.00
31	2,2-Dichloropropane	0.680	0.675	0.7	102	0.00
32 M	1,1,1-Trichloroethane	0.632	0.663	-4.9	108	0.00
33 M	Carbon Tetrachloride	0.520	0.540	-3.8	106	0.00
34 M	Benzene	1.682	1.756	-4.4	107	0.00
35	Methacrylonitrile	0.293	0.287	2.0	96	0.00
36 M	1,2-Dichloroethane	0.546	0.561	-2.7	105	0.00
37 M	Trichloroethene	0.421	0.432	-2.6	109	0.00
38	Methylcyclohexane	0.611	0.578	5.4	98	0.00
39 M	1,2-Dichloropropane	0.416	0.432	-3.8	107	0.00
40	Dibromomethane	0.278	0.286	-2.9	105	0.00
41 M	Bromodichloromethane	0.588	0.608	-3.4	106	0.00
42 M	Vinyl Acetate	0.889	0.920	-3.5	104	0.00
43	Ethyl Acetate	0.508	0.545	-7.3	115	0.00
44	Isopropyl Acetate	0.964	0.977	-1.3	105	0.00
45 T	1,4-Dioxane	0.008	0.009	-12.5	115	0.00
46	Methyl methacrylate	0.445	0.431	3.1	100	0.00
47	n-amyl Acetate	0.822	0.794	3.4	101	0.00
48 M	t-1,3-Dichloropropene	0.657	0.645	1.8	102	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.694	-0.1	104	0.00
50 M	1,1,2-Trichloroethane	0.388	0.413	-6.4	108	0.00
51	Ethyl methacrylate	0.676	0.679	-0.4	105	0.00
52	1,3-Dichloropropane	0.686	0.726	-5.8	109	0.00
53 M	Dibromochloromethane	0.436	0.452	-3.7	107	0.00
54 M	1,2-Dibromoethane	0.395	0.421	-6.6	110	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.291	8.5	94	0.00
56 M	Bromoform	0.283	0.297	-4.9	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.602	-3.6	106	0.00
59 M	2-Hexanone	0.428	0.441	-3.0	106	0.00
60 S	4-Bromofluorobenzene	0.590	0.563	4.6	98	0.00
61 M	Tetrachloroethene	0.458	0.471	-2.8	109	0.00
62 M	Toluene	2.008	2.098	-4.5	108	0.00
63 S	Toluene-d8	1.650	1.623	1.6	98	0.00
64 M	Chlorobenzene	1.251	1.308	-4.6	108	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.447	-6.9	112	0.00
66 M	Ethyl Benzene	2.260	2.279	-0.8	105	0.00
67 M	m/p-Xylenes	0.858	0.875	-2.0	107	0.00
68 M	o-Xylene	0.840	0.847	-0.8	106	0.00
69 M	Styrene	1.423	1.406	1.2	105	0.00
70	Isopropylbenzene	2.096	2.064	1.5	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.626	-13.4	111	0.00
72	1,2,3-Trichloropropane	0.481	0.516	-7.3	112	0.00
73	Bromobenzene	0.482	0.498	-3.3	108	0.00
74	n-propylbenzene	2.491	2.407	3.4	102	0.00
75	2-Chlorotoluene	1.555	1.535	1.3	103	0.00
76	1,3,5-Trimethylbenzene	1.720	1.679	2.4	103	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.233	4.5	103	0.00
78	4-Chlorotoluene	1.555	1.518	2.4	106	0.00
79	tert-butylbenzene	1.473	1.432	2.8	102	0.00
80	1,2,4-Trimethylbenzene	1.757	1.677	4.6	101	0.00
81	sec-Butylbenzene	2.103	2.027	3.6	104	0.00
82	p-Isopropyltoluene	1.759	1.643	6.6	103	0.00
83 M	1,3-Dichlorobenzene	0.911	0.877	3.7	106	0.00
84 M	1,4-Dichlorobenzene	0.900	0.877	2.6	107	0.00
85	n-Butylbenzene	1.570	1.387	11.7	99	0.00
86 T	Hexachloroethane	0.288	0.265	8.0	101	0.00
87 M	1,2-Dichlorobenzene	0.867	0.860	0.8	108	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.106	5.4	105	0.00
89	1,2,4-Trichlorobenzene	0.395	0.361	8.6	104	0.00
90	Hexachlorobutadiene	0.159	0.158	0.6	111	0.00
91 M	Naphthalene	1.414	1.271	10.1	102	0.00
92	1,2,3-Trichlorobenzene	0.395	0.361	8.6	104	0.00

(#) = Out of Range

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