

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087764.D
 Acq On : 09 Sep 2025 09:16
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 10 02:26:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 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	120	0.00
2 M	Dichlorodifluoromethane	1.865	1.676	10.1	115	0.00
3 M	Chloromethane	1.957	1.840	6.0	123	0.00
4 M	Vinyl Chloride	2.213	1.962	11.3	117	0.00
5 M	Bromomethane	1.298	1.187	8.6	128	0.01
6 M	Chloroethane	1.512	1.316	13.0	116	0.00
7 M	Trichlorofluoromethane	3.243	2.979	8.1	123	0.00
8 T	Diethyl Ether	1.370	1.204	12.1	123	0.00
9	1,1,2-Trichlorotrifluoroeth	1.757	1.690	3.8	127	-0.01
10 M	1,1-Dichloroethene	1.811	1.603	11.5	122	0.00
11	Methyl Iodide	1.282	1.032	19.5	132	0.00
12	Methyl Acetate	2.792	2.415	13.5	114	0.00
13 M	Acrolein	0.497	0.421	15.3	117	0.00
14 M	Acrylonitrile	1.202	1.071	10.9	122	-0.01
15 M	Acetone	0.375	0.374	0.3	141	-0.01
16 M	Carbon Disulfide	4.972	4.497	9.6	124	0.00
17	Allyl chloride	2.958	2.638	10.8	124	0.00
18 M	Methylene Chloride	2.052	1.861	9.3	127	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.684	8.8	122	0.00
20 T	Diisopropyl ether	6.802	5.893	13.4	119	0.00
21 M	1,1-Dichloroethane	3.725	3.381	9.2	124	0.00
22 M	cis-1,2-Dichloroethene	2.242	2.053	8.4	124	0.00
23 M	tert-Butyl Alcohol	0.425	0.350	17.6	110	-0.02
24 M	Methyl tert-Butyl Ether	6.466	5.715	11.6	124	0.00
25 M	Chloroform	3.899	3.634	6.8	125	0.00
26	Cyclohexane	2.837	2.518	11.2	123	0.00
27 s	1,2-Dichloroethane-d4	2.563	2.479	3.3	118	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	124	0.00
29	1,1-Dichloropropene	0.488	0.438	10.2	121	0.00
30 M	2-Butanone	0.336	0.298	11.3	122	0.00
31	2,2-Dichloropropane	0.588	0.545	7.3	136	0.00
32 M	1,1,1-Trichloroethane	0.618	0.565	8.6	121	0.00
33 M	Carbon Tetrachloride	0.515	0.469	8.9	125	0.00
34 M	Benzene	1.576	1.454	7.7	125	0.00
35	Methacrylonitrile	0.351	0.309	12.0	111	0.00
36 M	1,2-Dichloroethane	0.595	0.551	7.4	123	0.00
37 M	Trichloroethene	0.352	0.323	8.2	124	0.00
38	Methylcyclohexane	0.537	0.470	12.5	122	0.00
39 M	1,2-Dichloropropane	0.404	0.374	7.4	124	0.00
40	Dibromomethane	0.300	0.266	11.3	120	0.00
41 M	Bromodichloromethane	0.614	0.557	9.3	121	0.00
42 M	Vinyl Acetate	1.122	1.009	10.1	125	0.00
43	Ethyl Acetate	0.686	0.600	12.5	115	0.00
44	Isopropyl Acetate	1.076	0.964	10.4	120	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	103	0.00
46	Methyl methacrylate	0.496	0.447	9.9	125	0.00
47	n-amyl Acetate	0.727	0.705	3.0	169#	-0.15
48 M	t-1,3-Dichloropropene	0.638	0.584	8.5	130	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.653	0.592	9.3	130	0.00
50 M	1,1,2-Trichloroethane	0.388	0.353	9.0	124	0.00
51	Ethyl methacrylate	0.604	0.514	14.9	124	0.00
52	1,3-Dichloropropane	0.674	0.616	8.6	123	0.00
53 M	Dibromochloromethane	0.435	0.404	7.1	136	0.00
54 M	1,2-Dibromoethane	0.404	0.375	7.2	128	0.00
55 M	2-Chloroethyl vinyl ether	0.346	0.309	10.7	120	0.00
56 M	Bromoform	0.284	0.251	11.6	129	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	0.709	0.636	10.3	119	0.00
59 M	2-Hexanone	0.464	0.421	9.3	123	0.00
60 S	4-Bromofluorobenzene	0.482	0.479	0.6	120	0.00
61 M	Tetrachloroethene	0.299	0.286	4.3	125	0.00
62 M	Toluene	1.815	1.684	7.2	123	0.00
63 S	Toluene-d8	1.395	1.410	-1.1	122	0.00
64 M	Chlorobenzene	1.114	1.021	8.3	124	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.355	9.4	123	0.00
66 M	Ethyl Benzene	1.958	1.814	7.4	127	0.00
67 M	m/p-Xylenes	0.727	0.663	8.8	126	0.00
68 M	o-Xylene	0.705	0.641	9.1	122	0.00
69 M	Styrene	1.225	1.109	9.5	126	0.00
70	Isopropylbenzene	1.787	1.657	7.3	130	0.00
71 M	1,1,2,2-Tetrachloroethane	0.642	0.608	5.3	123	0.00
72	1,2,3-Trichloropropane	0.631	0.569	9.8	109	0.00
73	Bromobenzene	0.437	0.386	11.7	120	0.00
74	n-propylbenzene	2.254	2.093	7.1	127	0.00
75	2-Chlorotoluene	1.357	1.230	9.4	121	0.00
76	1,3,5-Trimethylbenzene	1.509	1.419	6.0	128	0.00
77	t-1,4-Dichloro-2-butene	0.213	0.222	-4.2	149	0.00
78	4-Chlorotoluene	1.368	1.316	3.8	127	0.00
79	tert-butylbenzene	1.263	1.181	6.5	127	0.00
80	1,2,4-Trimethylbenzene	1.547	1.409	8.9	122	0.00
81	sec-Butylbenzene	1.858	1.747	6.0	127	0.00
82	p-Isopropyltoluene	1.531	1.455	5.0	130	0.00
83 M	1,3-Dichlorobenzene	0.843	0.783	7.1	121	0.00
84 M	1,4-Dichlorobenzene	0.845	0.774	8.4	122	0.00
85	n-Butylbenzene	1.472	1.421	3.5	135	0.00
86 T	Hexachloroethane	0.311	0.301	3.2	128	0.00
87 M	1,2-Dichlorobenzene	0.795	0.755	5.0	126	0.00
88	1,2-Dibromo-3-Chloropropane	0.143	0.128	10.5	113	0.00
89	1,2,4-Trichlorobenzene	0.452	0.419	7.3	128	0.00
90	Hexachlorobutadiene	0.152	0.168	-10.5	141	0.00
91 M	Naphthalene	1.664	1.464	12.0	124	0.00
92	1,2,3-Trichlorobenzene	0.452	0.419	7.3	128	0.00

(#) = Out of Range

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