

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087912.D
 Acq On : 22 Sep 2025 10:19
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 23 04:48:33 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	118	0.00
2 M	Dichlorodifluoromethane	1.865	1.395	25.2#	94	0.00
3 M	Chloromethane	1.957	1.234	36.9#	82	0.00
4 M	Vinyl Chloride	2.213	1.364	38.4#	81	0.00
5 M	Bromomethane	1.298	0.856	34.1#	92	0.00
6 M	Chloroethane	1.512	0.954	36.9#	83	0.00
7 M	Trichlorofluoromethane	3.243	2.369	27.0#	97	0.00
8 T	Diethyl Ether	1.370	0.888	35.2#	90	0.01
9	1,1,2-Trichlorotrifluoroeth	1.757	1.292	26.5#	96	0.00
10 M	1,1-Dichloroethene	1.811	1.279	29.4#	96	0.00
11	Methyl Iodide	1.282	0.856	33.2#	108	0.00
12	Methyl Acetate	2.792	2.387	14.5	111	0.00
13 M	Acrolein	0.497	0.338	32.0#	93	0.00
14 M	Acrylonitrile	1.202	0.934	22.3	105	0.00
15 M	Acetone	0.375	0.256	31.7#	95	0.00
16 M	Carbon Disulfide	4.972	3.321	33.2#	90	0.00
17	Allyl chloride	2.958	2.016	31.8#	94	0.00
18 M	Methylene Chloride	2.052	1.713	16.5	115	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.509	18.3	108	0.00
20 T	Diisopropyl ether	6.802	5.097	25.1#	102	0.00
21 M	1,1-Dichloroethane	3.725	3.016	19.0	109	0.00
22 M	cis-1,2-Dichloroethene	2.242	1.861	17.0	111	0.00
23 M	tert-Butyl Alcohol	0.425	0.311	26.8#	96	-0.02
24 M	Methyl tert-Butyl Ether	6.466	5.059	21.8	108	0.00
25 M	Chloroform	3.899	3.295	15.5	112	0.00
26	Cyclohexane	2.837	1.875	33.9#	91	0.00
27 s	1,2-Dichloroethane-d4	2.563	2.327	9.2	110	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
29	1,1-Dichloropropene	0.488	0.407	16.6	103	0.00
30 M	2-Butanone	0.336	0.283	15.8	106	0.00
31	2,2-Dichloropropane	0.588	0.560	4.8	128	0.00
32 M	1,1,1-Trichloroethane	0.618	0.593	4.0	116	0.00
33 M	Carbon Tetrachloride	0.515	0.492	4.5	120	0.00
34 M	Benzene	1.576	1.393	11.6	110	0.00
35	Methacrylonitrile	0.351	0.280	20.2	92	0.00
36 M	1,2-Dichloroethane	0.595	0.527	11.4	108	0.00
37 M	Trichloroethene	0.352	0.329	6.5	116	0.00
38	Methylcyclohexane	0.537	0.403	25.0	96	0.00
39 M	1,2-Dichloropropane	0.404	0.360	10.9	109	0.00
40	Dibromomethane	0.300	0.296	1.3	122	0.00
41 M	Bromodichloromethane	0.614	0.568	7.5	113	0.00
42 M	Vinyl Acetate	1.122	0.959	14.5	109	0.00
43	Ethyl Acetate	0.686	0.582	15.2	102	0.00
44	Isopropyl Acetate	1.076	0.876	18.6	100	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	98	0.00
46	Methyl methacrylate	0.496	0.386	22.2	99	0.00
47	n-amyl Acetate	0.727	0.571	21.5	125	0.00
48 M	t-1,3-Dichloropropene	0.638	0.535	16.1	109	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.653	0.562	13.9	113	0.00
50 M	1,1,2-Trichloroethane	0.388	0.368	5.2	118	0.00
51	Ethyl methacrylate	0.604	0.462	23.5	102	0.00
52	1,3-Dichloropropane	0.674	0.602	10.7	110	0.00
53 M	Dibromochloromethane	0.435	0.448	-3.0	138	0.00
54 M	1,2-Dibromoethane	0.404	0.380	5.9	119	0.00
55 M	2-Chloroethyl vinyl ether	0.346	0.117	66.2#	42#	0.00
56 M	Bromoform	0.284	0.299	-5.3	140	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
58 M	4-Methyl-2-Pentanone	0.709	0.597	15.8	106	0.00
59 M	2-Hexanone	0.464	0.382	17.7	106	0.00
60 S	4-Bromofluorobenzene	0.482	0.493	-2.3	117	0.00
61 M	Tetrachloroethene	0.299	0.306	-2.3	128	0.00
62 M	Toluene	1.815	1.582	12.8	110	0.00
63 S	Toluene-d8	1.395	1.349	3.3	111	0.00
64 M	Chlorobenzene	1.114	1.062	4.7	123	0.00
65	1,1,1,2-Tetrachloroethane	0.392	0.395	-0.8	130	0.00
66 M	Ethyl Benzene	1.958	1.660	15.2	111	0.00
67 M	m/p-Xylenes	0.727	0.651	10.5	118	0.00
68 M	o-Xylene	0.705	0.613	13.0	111	0.00
69 M	Styrene	1.225	1.051	14.2	114	0.00
70	Isopropylbenzene	1.787	1.526	14.6	114	0.00
71 M	1,1,2,2-Tetrachloroethane	0.642	0.612	4.7	118	0.00
72	1,2,3-Trichloropropane	0.631	0.587	7.0	107	0.00
73	Bromobenzene	0.437	0.433	0.9	128	0.00
74	n-propylbenzene	2.254	2.020	10.4	116	0.00
75	2-Chlorotoluene	1.357	1.209	10.9	113	0.00
76	1,3,5-Trimethylbenzene	1.509	1.390	7.9	120	0.00
77	t-1,4-Dichloro-2-butene	0.213	0.185	13.1	118	0.00
78	4-Chlorotoluene	1.368	1.265	7.5	117	0.00
79	tert-butylbenzene	1.263	1.169	7.4	120	0.00
80	1,2,4-Trimethylbenzene	1.547	1.380	10.8	114	0.00
81	sec-Butylbenzene	1.858	1.715	7.7	119	0.00
82	p-Isopropyltoluene	1.531	1.435	6.3	123	0.00
83 M	1,3-Dichlorobenzene	0.843	0.853	-1.2	126	0.00
84 M	1,4-Dichlorobenzene	0.845	0.848	-0.4	127	0.00
85	n-Butylbenzene	1.472	1.314	10.7	119	0.00
86 T	Hexachloroethane	0.311	0.313	-0.6	127	0.00
87 M	1,2-Dichlorobenzene	0.795	0.795	0.0	126	0.00
88	1,2-Dibromo-3-Chloropropane	0.143	0.132	7.7	111	0.00
89	1,2,4-Trichlorobenzene	0.452	0.462	-2.2	134	0.00
90	Hexachlorobutadiene	0.152	0.189	-24.3	150#	0.00
91 M	Naphthalene	1.664	1.434	13.8	116	0.00
92	1,2,3-Trichlorobenzene	0.452	0.462	-2.2	134	0.00

(#) = Out of Range

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