

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072425\
 Data File : VN087417.D
 Acq On : 24 Jul 2025 16:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 25 04:56:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:11:26 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	109	0.00
2 M	Dichlorodifluoromethane	1.836	1.642	10.6	99	0.00
3 M	Chloromethane	1.823	1.486	18.5	91	0.00
4 M	Vinyl Chloride	2.009	1.754	12.7	104	0.00
5 M	Bromomethane	1.243	1.233	0.8	123	0.00
6 M	Chloroethane	1.544	1.438	6.9	102	0.00
7 M	Trichlorofluoromethane	3.417	3.314	3.0	106	0.00
8 T	Diethyl Ether	1.360	1.267	6.8	105	0.00
9	1,1,2-Trichlorotrifluoroeth	1.811	1.749	3.4	107	-0.01
10 M	1,1-Dichloroethene	1.880	1.639	12.8	101	0.00
11	Methyl Iodide	1.372	0.925	32.6#	111	0.00
12	Methyl Acetate	2.446	2.101	14.1	102	0.00
13 M	Acrolein	0.445	0.489	-9.9	150	0.00
14 M	Acrylonitrile	1.117	0.928	16.9	103	0.00
15 M	Acetone	0.394	0.355	9.9	101	0.00
16 M	Carbon Disulfide	4.856	3.960	18.5	94	0.00
17	Allyl chloride	2.576	2.105	18.3	102	0.00
18 M	Methylene Chloride	1.903	1.588	16.6	90	0.00
19 M	trans-1,2-Dichloroethene	1.846	1.591	13.8	99	0.00
20 T	Diisopropyl ether	6.513	4.837	25.7#	93	0.00
21 M	1,1-Dichloroethane	3.479	2.967	14.7	99	-0.02
22 M	cis-1,2-Dichloroethene	2.163	1.809	16.4	99	0.00
23 M	tert-Butyl Alcohol	0.383	0.345	9.9	110	0.00
24 M	Methyl tert-Butyl Ether	6.076	4.951	18.5	99	0.00
25 M	Chloroform	3.810	3.224	15.4	96	0.00
26	Cyclohexane	2.593	2.063	20.4	101	0.00
27 s	1,2-Dichloroethane-d4	2.474	2.466	0.3	107	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
29	1,1-Dichloropropene	0.512	0.407	20.5	99	0.00
30 M	2-Butanone	0.349	0.278	20.3	103	0.00
31	2,2-Dichloropropane	0.672	0.546	18.8	98	0.00
32 M	1,1,1-Trichloroethane	0.670	0.576	14.0	102	0.00
33 M	Carbon Tetrachloride	0.582	0.489	16.0	100	0.00
34 M	Benzene	1.653	1.314	20.5	98	0.00
35	Methacrylonitrile	0.367	0.292	20.4	106	0.00
36 M	1,2-Dichloroethane	0.652	0.526	19.3	95	0.00
37 M	Trichloroethene	0.377	0.316	16.2	102	0.00
38	Methylcyclohexane	0.541	0.434	19.8	108	0.00
39 M	1,2-Dichloropropane	0.415	0.324	21.9	95	0.00
40	Dibromomethane	0.321	0.265	17.4	95	0.00
41 M	Bromodichloromethane	0.638	0.524	17.9	96	0.00
42 M	Vinyl Acetate	1.181	0.876	25.8#	97	0.00
43	Ethyl Acetate	0.710	0.567	20.1	97	0.00
44	Isopropyl Acetate	1.120	0.869	22.4	100	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	96	0.00
46	Methyl methacrylate	0.516	0.383	25.8#	99	0.00
47	n-amyl Acetate	0.671	0.482	28.2#	105	0.01
48 M	t-1,3-Dichloropropene	0.681	0.516	24.2	98	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.681	0.538	21.0	96	0.00
50 M	1,1,2-Trichloroethane	0.415	0.340	18.1	97	0.00
51	Ethyl methacrylate	0.635	0.455	28.3#	94	0.00
52	1,3-Dichloropropane	0.713	0.559	21.6	97	0.00
53 M	Dibromochloromethane	0.486	0.377	22.4	92	0.00
54 M	1,2-Dibromoethane	0.425	0.340	20.0	95	0.00
55 M	2-Chloroethyl vinyl ether	0.353	0.262	25.8#	82	0.00
56 M	Bromoform	0.346	0.257	25.7#	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.734	0.600	18.3	98	0.00
59 M	2-Hexanone	0.495	0.393	20.6	97	0.00
60 S	4-Bromofluorobenzene	0.501	0.471	6.0	107	0.00
61 M	Tetrachloroethene	0.335	0.295	11.9	98	0.00
62 M	Toluene	1.827	1.487	18.6	96	0.00
63 S	Toluene-d8	1.364	1.354	0.7	106	0.00
64 M	Chlorobenzene	1.168	0.972	16.8	96	0.00
65	1,1,1,2-Tetrachloroethane	0.427	0.352	17.6	94	0.00
66 M	Ethyl Benzene	1.978	1.574	20.4	102	0.00
67 M	m/p-Xylenes	0.783	0.616	21.3	96	0.00
68 M	o-Xylene	0.751	0.576	23.3	97	0.00
69 M	Styrene	1.306	1.000	23.4	97	0.00
70	Isopropylbenzene	1.891	1.464	22.6	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.665	0.540	18.8	93	0.00
72	1,2,3-Trichloropropane	0.594	0.552	7.1	110	0.00
73	Bromobenzene	0.492	0.396	19.5	97	0.00
74	n-propylbenzene	2.388	1.828	23.5	94	0.00
75	2-Chlorotoluene	1.434	1.117	22.1	96	0.00
76	1,3,5-Trimethylbenzene	1.645	1.292	21.5	98	0.00
77	t-1,4-Dichloro-2-butene	0.238	0.171	28.2#	98	0.00
78	4-Chlorotoluene	1.530	1.176	23.1	96	0.00
79	tert-butylbenzene	1.397	1.054	24.6	99	0.00
80	1,2,4-Trimethylbenzene	1.679	1.309	22.0	98	0.00
81	sec-Butylbenzene	2.016	1.558	22.7	101	0.00
82	p-Isopropyltoluene	1.730	1.330	23.1	100	0.00
83 M	1,3-Dichlorobenzene	0.992	0.768	22.6	95	0.00
84 M	1,4-Dichlorobenzene	0.979	0.768	21.6	97	0.00
85	n-Butylbenzene	1.594	1.178	26.1#	100	0.00
86 T	Hexachloroethane	0.337	0.280	16.9	106	0.00
87 M	1,2-Dichlorobenzene	0.934	0.727	22.2	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.155	0.122	21.3	109	0.00
89	1,2,4-Trichlorobenzene	0.539	0.428	20.6	101	0.00
90	Hexachlorobutadiene	0.222	0.192	13.5	105	0.00
91 M	Naphthalene	1.793	1.305	27.2#	101	0.00
92	1,2,3-Trichlorobenzene	0.539	0.428	20.6	101	0.00

(#) = Out of Range

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