

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070925\
 Data File : VN087314.D
 Acq On : 09 Jul 2025 16:42
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 10 01:27:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 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	110	0.00
2 M	Dichlorodifluoromethane	1.806	1.443	20.1	96	0.00
3 M	Chloromethane	1.844	1.329	27.9#	94	0.00
4 M	Vinyl Chloride	2.005	1.472	26.6#	90	0.00
5 M	Bromomethane	1.064	1.433	-34.7#	163#	0.00
6 M	Chloroethane	1.075	1.337	-24.4	152#	0.00
7 M	Trichlorofluoromethane	2.459	2.498	-1.6	118	0.00
8 T	Diethyl Ether	1.208	0.908	24.8	93	0.00
9	1,1,2-Trichlorotrifluoroeth	1.823	1.597	12.4	104	0.00
10 M	1,1-Dichloroethene	1.817	1.448	20.3	95	0.00
11	Methyl Iodide	1.628	1.596	2.0	136	0.00
12	Methyl Acetate	2.851	2.202	22.8	93	0.00
13 M	Acrolein	0.438	0.459	-4.8	141	0.00
14 M	Acrylonitrile	1.330	1.000	24.8	90	0.00
15 M	Acetone	0.388	0.318	18.0	96	-0.01
16 M	Carbon Disulfide	5.313	3.972	25.2#	90	0.00
17	Allyl chloride	2.997	1.907	36.4#	76	0.00
18 M	Methylene Chloride	2.105	2.006	4.7	113	0.00
19 M	trans-1,2-Dichloroethene	1.987	1.724	13.2	104	0.00
20 T	Diisopropyl ether	6.359	4.713	25.9#	85	0.00
21 M	1,1-Dichloroethane	3.801	3.115	18.0	96	0.00
22 M	cis-1,2-Dichloroethene	2.313	2.046	11.5	107	0.00
23 M	tert-Butyl Alcohol	0.500	0.379	24.2	92	0.00
24 M	Methyl tert-Butyl Ether	6.374	5.443	14.6	104	0.00
25 M	Chloroform	3.641	3.596	1.2	119	0.00
26	Cyclohexane	3.159	2.110	33.2#	82	0.00
27 s	1,2-Dichloroethane-d4	2.260	2.131	5.7	102	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
29	1,1-Dichloropropene	0.468	0.447	4.5	108	0.00
30 M	2-Butanone	0.315	0.270	14.3	91	0.00
31	2,2-Dichloropropane	0.564	0.605	-7.3	113	0.00
32 M	1,1,1-Trichloroethane	0.546	0.633	-15.9	123	0.00
33 M	Carbon Tetrachloride	0.460	0.542	-17.8	132	0.00
34 M	Benzene	1.481	1.444	2.5	107	0.00
35	Methacrylonitrile	0.318	0.282	11.3	96	0.00
36 M	1,2-Dichloroethane	0.479	0.538	-12.3	118	0.00
37 M	Trichloroethene	0.342	0.369	-7.9	121	0.00
38	Methylcyclohexane	0.537	0.452	15.8	93	0.00
39 M	1,2-Dichloropropane	0.372	0.348	6.5	97	0.00
40	Dibromomethane	0.253	0.297	-17.4	122	0.00
41 M	Bromodichloromethane	0.510	0.573	-12.4	115	0.00
42 M	Vinyl Acetate	1.026	0.823	19.8	84	0.00
43	Ethyl Acetate	0.569	0.488	14.2	84	0.00
44	Isopropyl Acetate	0.928	0.783	15.6	91	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	104	0.00
46	Methyl methacrylate	0.431	0.355	17.6	87	0.00
47	n-amyl Acetate	0.567	0.538	5.1	103	0.01
48 M	t-1,3-Dichloropropene	0.569	0.559	1.8	106	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.592	2.1	101	0.00
50 M	1,1,2-Trichloroethane	0.359	0.393	-9.5	114	0.00
51	Ethyl methacrylate	0.547	0.448	18.1	92	0.00
52	1,3-Dichloropropane	0.617	0.616	0.2	104	0.00
53 M	Dibromochloromethane	0.377	0.455	-20.7	129	0.00
54 M	1,2-Dibromoethane	0.371	0.417	-12.4	117	0.00
55 M	2-Chloroethyl vinyl ether	0.313	0.250	20.1	83	0.00
56 M	Bromoform	0.259	0.295	-13.9	122	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.603	0.500	17.1	92	0.00
59 M	2-Hexanone	0.389	0.287	26.2#	89	0.00
60 S	4-Bromofluorobenzene	0.463	0.475	-2.6	106	0.00
61 M	Tetrachloroethene	0.297	0.297	0.0	111	0.00
62 M	Toluene	1.694	1.655	2.3	107	0.00
63 S	Toluene-d8	1.347	1.315	2.4	94	0.00
64 M	Chlorobenzene	1.081	1.127	-4.3	115	0.00
65	1,1,1,2-Tetrachloroethane	0.357	0.416	-16.5	128	0.00
66 M	Ethyl Benzene	1.855	1.777	4.2	108	0.00
67 M	m/p-Xylenes	0.711	0.718	-1.0	113	0.00
68 M	o-Xylene	0.678	0.673	0.7	112	0.00
69 M	Styrene	1.164	1.170	-0.5	113	0.00
70	Isopropylbenzene	1.689	1.706	-1.0	116	0.00
71 M	1,1,2,2-Tetrachloroethane	0.608	0.638	-4.9	113	0.00
72	1,2,3-Trichloropropane	0.524	0.541	-3.2	117	0.00
73	Bromobenzene	0.410	0.471	-14.9	131	0.00
74	n-propylbenzene	2.063	2.087	-1.2	116	0.00
75	2-Chlorotoluene	1.246	1.294	-3.9	120	0.00
76	1,3,5-Trimethylbenzene	1.375	1.464	-6.5	124	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.214	7.8	110	0.00
78	4-Chlorotoluene	1.276	1.346	-5.5	122	0.00
79	tert-butylbenzene	1.156	1.238	-7.1	126	0.00
80	1,2,4-Trimethylbenzene	1.380	1.467	-6.3	125	0.00
81	sec-Butylbenzene	1.680	1.759	-4.7	120	0.00
82	p-Isopropyltoluene	1.398	1.510	-8.0	120	0.00
83 M	1,3-Dichlorobenzene	0.789	0.912	-15.6	128	0.00
84 M	1,4-Dichlorobenzene	0.794	0.911	-14.7	128	0.00
85	n-Butylbenzene	1.275	1.297	-1.7	113	0.00
86 T	Hexachloroethane	0.265	0.295	-11.3	130	0.00
87 M	1,2-Dichlorobenzene	0.744	0.870	-16.9	130	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.145	-5.8	119	0.00
89	1,2,4-Trichlorobenzene	0.421	0.455	-8.1	120	0.00
90	Hexachlorobutadiene	0.125	0.120	4.0	108	0.00
91 M	Naphthalene	1.656	1.665	-0.5	116	0.00
92	1,2,3-Trichlorobenzene	0.421	0.455	-8.1	120	0.00

(#) = Out of Range

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