

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087316.D
 Acq On : 10 Jul 2025 10:41
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 11 01:06:21 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	119	0.00
2 M	Dichlorodifluoromethane	1.806	1.387	23.2	100	0.00
3 M	Chloromethane	1.844	1.204	34.7#	92	0.00
4 M	Vinyl Chloride	2.005	1.420	29.2#	94	0.00
5 M	Bromomethane	1.064	1.336	-25.6#	165#	0.00
6 M	Chloroethane	1.075	1.190	-10.7	146	0.00
7 M	Trichlorofluoromethane	2.459	2.360	4.0	121	0.00
8 T	Diethyl Ether	1.208	0.876	27.5#	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.823	1.524	16.4	108	0.00
10 M	1,1-Dichloroethene	1.817	1.376	24.3	98	0.00
11	Methyl Iodide	1.628	1.524	6.4	140	0.00
12	Methyl Acetate	2.851	2.020	29.1#	92	0.00
13 M	Acrolein	0.438	0.481	-9.8	159#	0.00
14 M	Acrylonitrile	1.330	0.933	29.8#	90	0.00
15 M	Acetone	0.388	0.353	9.0	114	-0.01
16 M	Carbon Disulfide	5.313	3.660	31.1#	90	0.00
17	Allyl chloride	2.997	1.788	40.3#	77	0.00
18 M	Methylene Chloride	2.105	1.736	17.5	106	0.00
19 M	trans-1,2-Dichloroethene	1.987	1.585	20.2	103	0.00
20 T	Diisopropyl ether	6.359	4.195	34.0#	82	0.00
21 M	1,1-Dichloroethane	3.801	2.836	25.4#	94	0.00
22 M	cis-1,2-Dichloroethene	2.313	1.929	16.6	110	0.00
23 M	tert-Butyl Alcohol	0.500	0.363	27.4#	95	0.00
24 M	Methyl tert-Butyl Ether	6.374	5.124	19.6	106	0.00
25 M	Chloroform	3.641	3.295	9.5	118	0.00
26	Cyclohexane	3.159	1.991	37.0#	84	0.00
27 s	1,2-Dichloroethane-d4	2.260	2.112	6.5	109	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
29	1,1-Dichloropropene	0.468	0.406	13.2	107	0.00
30 M	2-Butanone	0.315	0.257	18.4	95	0.00
31	2,2-Dichloropropane	0.564	0.560	0.7	114	0.00
32 M	1,1,1-Trichloroethane	0.546	0.564	-3.3	120	0.00
33 M	Carbon Tetrachloride	0.460	0.489	-6.3	130	0.00
34 M	Benzene	1.481	1.293	12.7	104	0.00
35	Methacrylonitrile	0.318	0.250	21.4	93	0.00
36 M	1,2-Dichloroethane	0.479	0.474	1.0	113	0.00
37 M	Trichloroethene	0.342	0.329	3.8	118	0.00
38	Methylcyclohexane	0.537	0.419	22.0	94	0.00
39 M	1,2-Dichloropropane	0.372	0.315	15.3	95	0.00
40	Dibromomethane	0.253	0.270	-6.7	121	0.00
41 M	Bromodichloromethane	0.510	0.529	-3.7	116	0.00
42 M	Vinyl Acetate	1.026	0.775	24.5	86	0.00
43	Ethyl Acetate	0.569	0.506	11.1	95	0.00
44	Isopropyl Acetate	0.928	0.743	19.9	94	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	100	0.00
46	Methyl methacrylate	0.431	0.307	28.8#	82	0.00
47	n-amyl Acetate	0.567	0.466	17.8	97	0.01
48 M	t-1,3-Dichloropropene	0.569	0.522	8.3	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.550	9.1	102	0.00
50 M	1,1,2-Trichloroethane	0.359	0.366	-1.9	116	0.00
51	Ethyl methacrylate	0.547	0.439	19.7	98	0.00
52	1,3-Dichloropropane	0.617	0.576	6.6	106	0.00
53 M	Dibromochloromethane	0.377	0.417	-10.6	128	0.00
54 M	1,2-Dibromoethane	0.371	0.382	-3.0	117	0.00
55 M	2-Chloroethyl vinyl ether	0.313	0.248	20.8	90	0.00
56 M	Bromoform	0.259	0.282	-8.9	127	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.603	0.451	25.2#	90	0.00
59 M	2-Hexanone	0.389	0.264	32.1#	89	0.00
60 S	4-Bromofluorobenzene	0.463	0.467	-0.9	114	0.00
61 M	Tetrachloroethene	0.297	0.281	5.4	115	0.00
62 M	Toluene	1.694	1.504	11.2	106	0.00
63 S	Toluene-d8	1.347	1.289	4.3	101	0.00
64 M	Chlorobenzene	1.081	1.036	4.2	115	0.00
65	1,1,1,2-Tetrachloroethane	0.357	0.361	-1.1	121	0.00
66 M	Ethyl Benzene	1.855	1.596	14.0	106	0.00
67 M	m/p-Xylenes	0.711	0.658	7.5	113	0.00
68 M	o-Xylene	0.678	0.617	9.0	111	0.00
69 M	Styrene	1.164	1.068	8.2	112	0.00
70	Isopropylbenzene	1.689	1.551	8.2	114	0.00
71 M	1,1,2,2-Tetrachloroethane	0.608	0.576	5.3	111	0.00
72	1,2,3-Trichloropropane	0.524	0.564	-7.6	132	0.00
73	Bromobenzene	0.410	0.423	-3.2	128	0.00
74	n-propylbenzene	2.063	1.898	8.0	115	0.00
75	2-Chlorotoluene	1.246	1.150	7.7	116	0.00
76	1,3,5-Trimethylbenzene	1.375	1.304	5.2	121	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.193	16.8	107	0.00
78	4-Chlorotoluene	1.276	1.214	4.9	120	0.00
79	tert-butylbenzene	1.156	1.120	3.1	124	0.00
80	1,2,4-Trimethylbenzene	1.380	1.334	3.3	124	0.00
81	sec-Butylbenzene	1.680	1.607	4.3	119	0.00
82	p-Isopropyltoluene	1.398	1.392	0.4	120	0.00
83 M	1,3-Dichlorobenzene	0.789	0.844	-7.0	128	0.00
84 M	1,4-Dichlorobenzene	0.794	0.805	-1.4	123	0.00
85	n-Butylbenzene	1.275	1.188	6.8	112	0.00
86 T	Hexachloroethane	0.265	0.280	-5.7	134	0.00
87 M	1,2-Dichlorobenzene	0.744	0.798	-7.3	130	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.136	0.7	121	0.00
89	1,2,4-Trichlorobenzene	0.421	0.417	1.0	120	0.00
90	Hexachlorobutadiene	0.125	0.117	6.4	114	0.00
91 M	Naphthalene	1.656	1.521	8.2	115	0.00
92	1,2,3-Trichlorobenzene	0.421	0.417	1.0	120	0.00

(#) = Out of Range

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