

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087723.D
 Acq On : 04 Sep 2025 15:21
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 05 02:21:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 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	66	0.00
2 M	Dichlorodifluoromethane	1.959	1.834	6.4	58	0.00
3 M	Chloromethane	2.010	1.897	5.6	57	0.00
4 M	Vinyl Chloride	2.131	2.066	3.1	59	0.00
5 M	Bromomethane	1.154	1.459	-26.4#	82	0.00
6 M	Chloroethane	1.374	1.536	-11.8	70	0.00
7 M	Trichlorofluoromethane	3.067	3.312	-8.0	68	0.00
8 T	Diethyl Ether	1.278	1.311	-2.6	65	0.00
9	1,1,2-Trichlorotrifluoroeth	1.564	1.899	-21.4	78	0.00
10 M	1,1-Dichloroethene	1.643	1.893	-15.2	72	0.00
11	Methyl Iodide	1.294	0.924	28.6#	56	0.00
12	Methyl Acetate	3.032	3.303	-8.9	70	0.00
13 M	Acrolein	0.463	0.553	-19.4	78	0.00
14 M	Acrylonitrile	1.324	1.231	7.0	59	0.00
15 M	Acetone	0.378	0.360	4.8	57	0.00
16 M	Carbon Disulfide	5.097	4.471	12.3	57	0.01
17	Allyl chloride	3.349	2.943	12.1	57	0.00
18 M	Methylene Chloride	2.115	2.044	3.4	62	0.00
19 M	trans-1,2-Dichloroethene	1.954	1.833	6.2	60	0.00
20 T	Diisopropyl ether	7.629	6.994	8.3	59	0.00
21 M	1,1-Dichloroethane	3.944	3.832	2.8	61	0.00
22 M	cis-1,2-Dichloroethene	2.404	2.228	7.3	58	0.00
23 M	tert-Butyl Alcohol	0.563	0.442	21.5	51	0.00
24 M	Methyl tert-Butyl Ether	7.487	6.600	11.8	57	0.00
25 M	Chloroform	4.116	4.038	1.9	63	0.00
26	Cyclohexane	3.157	2.847	9.8	56	0.00
27 s	1,2-Dichloroethane-d4	2.767	2.506	9.4	58	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	57	0.00
29	1,1-Dichloropropene	0.489	0.513	-4.9	60	0.00
30 M	2-Butanone	0.361	0.359	0.6	56	0.00
31	2,2-Dichloropropane	0.631	0.635	-0.6	57	0.00
32 M	1,1,1-Trichloroethane	0.624	0.682	-9.3	63	0.00
33 M	Carbon Tetrachloride	0.518	0.552	-6.6	61	0.00
34 M	Benzene	1.545	1.651	-6.9	61	0.00
35	Methacrylonitrile	0.389	0.364	6.4	52	0.00
36 M	1,2-Dichloroethane	0.624	0.631	-1.1	57	0.00
37 M	Trichloroethene	0.340	0.381	-12.1	63	0.00
38	Methylcyclohexane	0.568	0.521	8.3	52	0.00
39 M	1,2-Dichloropropane	0.396	0.430	-8.6	61	0.00
40	Dibromomethane	0.297	0.325	-9.4	62	0.00
41 M	Bromodichloromethane	0.617	0.664	-7.6	63	0.00
42 M	Vinyl Acetate	1.188	1.111	6.5	52	0.00
43	Ethyl Acetate	0.697	0.693	0.6	57	0.00
44	Isopropyl Acetate	1.181	1.130	4.3	54	0.00
45 T	1,4-Dioxane	0.008	0.006	25.0	48#	0.00
46	Methyl methacrylate	0.558	0.535	4.1	55	0.00
47	n-amyl Acetate	0.652	0.644	1.2	65	0.01
48 M	t-1,3-Dichloropropene	0.672	0.654	2.7	56	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.676	0.678	-0.3	58	0.00
50 M	1,1,2-Trichloroethane	0.375	0.420	-12.0	64	0.00
51	Ethyl methacrylate	0.661	0.611	7.6	54	0.00
52	1,3-Dichloropropane	0.676	0.720	-6.5	61	0.00
53 M	Dibromochloromethane	0.434	0.481	-10.8	65	0.00
54 M	1,2-Dibromoethane	0.399	0.423	-6.0	60	0.00
55 M	2-Chloroethyl vinyl ether	0.348	0.325	6.6	53	0.00
56 M	Bromoform	0.287	0.293	-2.1	61	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	59	0.00
58 M	4-Methyl-2-Pentanone	0.772	0.785	-1.7	58	0.00
59 M	2-Hexanone	0.524	0.496	5.3	56	0.00
60 S	4-Bromofluorobenzene	0.516	0.489	5.2	56	0.00
61 M	Tetrachloroethene	0.292	0.328	-12.3	67	0.00
62 M	Toluene	1.852	1.895	-2.3	59	0.00
63 S	Toluene-d8	1.380	1.388	-0.6	60	0.00
64 M	Chlorobenzene	1.138	1.179	-3.6	61	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.435	-8.7	64	0.00
66 M	Ethyl Benzene	2.064	2.011	2.6	56	0.00
67 M	m/p-Xylenes	0.758	0.747	1.5	58	0.00
68 M	o-Xylene	0.745	0.743	0.3	59	0.00
69 M	Styrene	1.273	1.265	0.6	58	0.00
70	Isopropylbenzene	1.893	1.855	2.0	57	0.00
71 M	1,1,2,2-Tetrachloroethane	0.649	0.703	-8.3	61	0.00
72	1,2,3-Trichloropropane	0.604	0.577	4.5	60	0.00
73	Bromobenzene	0.439	0.455	-3.6	61	0.00
74	n-propylbenzene	2.365	2.403	-1.6	59	0.00
75	2-Chlorotoluene	1.455	1.441	1.0	58	0.00
76	1,3,5-Trimethylbenzene	1.621	1.619	0.1	58	0.00
77	t-1,4-Dichloro-2-butene	0.229	0.215	6.1	59	0.00
78	4-Chlorotoluene	1.474	1.476	-0.1	59	0.00
79	tert-butylbenzene	1.367	1.357	0.7	58	0.00
80	1,2,4-Trimethylbenzene	1.620	1.660	-2.5	60	0.00
81	sec-Butylbenzene	1.990	1.984	0.3	58	0.00
82	p-Isopropyltoluene	1.652	1.637	0.9	57	0.00
83 M	1,3-Dichlorobenzene	0.836	0.917	-9.7	64	0.00
84 M	1,4-Dichlorobenzene	0.847	0.935	-10.4	64	0.00
85	n-Butylbenzene	1.616	1.575	2.5	56	0.00
86 T	Hexachloroethane	0.323	0.337	-4.3	61	0.00
87 M	1,2-Dichlorobenzene	0.798	0.896	-12.3	65	0.00
88	1,2-Dibromo-3-Chloropropane	0.164	0.157	4.3	55	0.00
89	1,2,4-Trichlorobenzene	0.477	0.493	-3.4	61	0.00
90	Hexachlorobutadiene	0.185	0.168	9.2	53	0.00
91 M	Naphthalene	1.818	1.694	6.8	55	0.00
92	1,2,3-Trichlorobenzene	0.477	0.493	-3.4	61	0.00

(#) = Out of Range

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