

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088290.D
 Acq On : 14 Nov 2025 15:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 14 21:50:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 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	95	0.00
2 M	Dichlorodifluoromethane	2.109	1.586	24.8	64	0.00
3 M	Chloromethane	2.174	2.320	-6.7	96	0.00
4 M	Vinyl Chloride	2.299	2.002	12.9	79	0.00
5 M	Bromomethane	1.226	1.269	-3.5	100	0.00
6 M	Chloroethane	1.421	1.382	2.7	88	0.00
7 M	Trichlorofluoromethane	3.223	2.531	21.5	70	0.00
8 T	Diethyl Ether	1.205	1.308	-8.5	104	0.00
9	1,1,2-Trichlorotrifluoroeth	1.691	1.340	20.8	71	0.00
10 M	1,1-Dichloroethene	1.650	1.409	14.6	77	0.00
11	Methyl Iodide	1.756	1.531	12.8	84	0.00
12	Methyl Acetate	2.661	3.215	-20.8	113	0.00
13 M	Acrolein	0.392	0.518	-32.1#	139	0.00
14 M	Acrylonitrile	1.209	1.410	-16.6	110	0.00
15 M	Acetone	0.354	0.409	-15.5	107	0.00
16 M	Carbon Disulfide	5.564	4.648	16.5	75	0.00
17	Allyl chloride	3.206	2.904	9.4	84	-0.01
18 M	Methylene Chloride	2.050	2.207	-7.7	100	0.00
19 M	trans-1,2-Dichloroethene	1.921	1.755	8.6	82	-0.01
20 T	Diisopropyl ether	6.850	7.355	-7.4	100	0.00
21 M	1,1-Dichloroethane	3.859	3.775	2.2	90	0.00
22 M	cis-1,2-Dichloroethene	2.233	2.182	2.3	92	0.00
23 M	tert-Butyl Alcohol	0.445	0.516	-16.0	113	0.00
24 M	Methyl tert-Butyl Ether	6.651	7.147	-7.5	103	0.00
25 M	Chloroform	3.824	3.863	-1.0	95	0.00
26	Cyclohexane	3.260	2.407	26.2#	65	0.00
27 s	1,2-Dichloroethane-d4	2.740	2.678	2.3	93	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29	1,1-Dichloropropene	0.501	0.464	7.4	73	0.00
30 M	2-Butanone	0.324	0.439	-35.5#	112	0.00
31	2,2-Dichloropropane	0.617	0.549	11.0	70	0.00
32 M	1,1,1-Trichloroethane	0.617	0.608	1.5	78	0.00
33 M	Carbon Tetrachloride	0.527	0.497	5.7	74	0.00
34 M	Benzene	1.496	1.623	-8.5	86	0.00
35	Methacrylonitrile	0.338	0.450	-33.1#	110	0.00
36 M	1,2-Dichloroethane	0.582	0.692	-18.9	96	0.00
37 M	Trichloroethene	0.339	0.340	-0.3	80	0.00
38	Methylcyclohexane	0.574	0.485	15.5	65	0.00
39 M	1,2-Dichloropropane	0.386	0.453	-17.4	95	0.00
40	Dibromomethane	0.277	0.347	-25.3#	100	0.00
41 M	Bromodichloromethane	0.558	0.662	-18.6	99	0.00
42 M	Vinyl Acetate	1.081	1.362	-26.0#	103	0.00
43	Ethyl Acetate	0.651	0.911	-39.9#	112	0.00
44	Isopropyl Acetate	1.004	1.300	-29.5#	106	0.00
45 T	1,4-Dioxane	0.006	0.010	-66.7#	122	0.00
46	Methyl methacrylate	0.470	0.581	-23.6	103	0.00
47	n-amyl Acetate	0.509	0.500	1.8	87	-0.06
48 M	t-1,3-Dichloropropene	0.597	0.655	-9.7	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.621	0.691	-11.3	90	0.00
50 M	1,1,2-Trichloroethane	0.343	0.436	-27.1#	104	0.00
51	Ethyl methacrylate	0.564	0.652	-15.6	99	0.00
52	1,3-Dichloropropane	0.625	0.757	-21.1	99	0.00
53 M	Dibromochloromethane	0.394	0.478	-21.3	101	0.00
54 M	1,2-Dibromoethane	0.356	0.434	-21.9	101	0.00
55 M	2-Chloroethyl vinyl ether	0.325	0.357	-9.8	94	0.00
56 M	Bromoform	0.249	0.298	-19.7	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
58 M	4-Methyl-2-Pentanone	0.679	0.932	-37.3#	111	0.00
59 M	2-Hexanone	0.451	0.585	-29.7#	109	0.00
60 S	4-Bromofluorobenzene	0.507	0.488	3.7	80	0.00
61 M	Tetrachloroethene	0.309	0.317	-2.6	79	0.00
62 M	Toluene	1.722	1.768	-2.7	81	0.00
63 S	Toluene-d8	1.420	1.407	0.9	79	0.00
64 M	Chlorobenzene	1.066	1.092	-2.4	83	0.00
65	1,1,1,2-Tetrachloroethane	0.365	0.407	-11.5	90	0.00
66 M	Ethyl Benzene	1.897	1.820	4.1	77	0.00
67 M	m/p-Xylenes	0.710	0.669	5.8	75	0.00
68 M	o-Xylene	0.669	0.668	0.1	82	0.00
69 M	Styrene	1.137	1.096	3.6	80	0.00
70	Isopropylbenzene	1.774	1.613	9.1	73	0.00
71 M	1,1,2,2-Tetrachloroethane	0.575	0.760	-32.2#	108	0.00
72	1,2,3-Trichloropropane	0.557	0.523	6.1	84	0.00
73	Bromobenzene	0.400	0.415	-3.7	85	0.00
74	n-propylbenzene	2.195	2.001	8.8	73	0.00
75	2-Chlorotoluene	1.335	1.226	8.2	75	0.00
76	1,3,5-Trimethylbenzene	1.489	1.405	5.6	76	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.224	-17.3	102	0.00
78	4-Chlorotoluene	1.353	1.231	9.0	74	0.00
79	tert-butylbenzene	1.275	1.155	9.4	74	0.00
80	1,2,4-Trimethylbenzene	1.481	1.386	6.4	77	0.00
81	sec-Butylbenzene	1.859	1.666	10.4	71	0.00
82	p-Isopropyltoluene	1.536	1.391	9.4	72	0.00
83 M	1,3-Dichlorobenzene	0.778	0.761	2.2	78	0.00
84 M	1,4-Dichlorobenzene	0.788	0.810	-2.8	84	0.00
85	n-Butylbenzene	1.464	1.276	12.8	68	0.00
86 T	Hexachloroethane	0.294	0.272	7.5	76	0.00
87 M	1,2-Dichlorobenzene	0.734	0.774	-5.4	85	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.165	-22.2	104	0.00
89	1,2,4-Trichlorobenzene	0.412	0.425	-3.2	86	0.00
90	Hexachlorobutadiene	0.160	0.150	6.3	74	0.00
91 M	Naphthalene	1.491	1.607	-7.8	91	0.00
92	1,2,3-Trichlorobenzene	0.412	0.425	-3.2	86	0.00

(#) = Out of Range

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