

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087425.D
 Acq On : 28 Jul 2025 11:54
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN072825

Quant Time: Jul 28 13:25:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 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	80	0.00
2 M	Dichlorodifluoromethane	1.750	1.858	-6.2	82	0.00
3 M	Chloromethane	1.858	1.996	-7.4	86	0.00
4 M	Vinyl Chloride	1.880	1.935	-2.9	82	0.00
5 M	Bromomethane	0.917	0.915	0.2	82	0.00
6 M	Chloroethane	1.060	1.111	-4.8	83	0.00
7 M	Trichlorofluoromethane	2.365	2.447	-3.5	85	0.00
8 T	Diethyl Ether	0.987	1.045	-5.9	83	0.00
9	1,1,2-Trichlorotrifluoroeth	1.290	1.287	0.2	81	0.00
10 M	1,1-Dichloroethene	1.283	1.360	-6.0	84	0.00
11	Methyl Iodide	1.162	1.021	12.1	92	0.00
12	Methyl Acetate	2.798	2.898	-3.6	84	0.00
13 M	Acrolein	0.228	0.268	-17.5	119	0.00
14 M	Acrylonitrile	1.213	1.231	-1.5	81	0.00
15 M	Acetone	0.281	0.272	3.2	74	-0.01
16 M	Carbon Disulfide	4.561	4.725	-3.6	85	0.00
17	Allyl chloride	2.990	3.025	-1.2	81	0.00
18 M	Methylene Chloride	1.932	1.918	0.7	79	0.00
19 M	trans-1,2-Dichloroethene	1.823	1.781	2.3	81	0.00
20 T	Diisopropyl ether	6.804	6.976	-2.5	80	0.00
21 M	1,1-Dichloroethane	3.448	3.525	-2.2	82	0.00
22 M	cis-1,2-Dichloroethene	2.216	2.233	-0.8	81	0.00
23 M	tert-Butyl Alcohol	0.470	0.484	-3.0	82	0.00
24 M	Methyl tert-Butyl Ether	6.367	6.506	-2.2	83	0.00
25 M	Chloroform	3.481	3.476	0.1	81	0.00
26	Cyclohexane	3.185	3.125	1.9	80	0.00
27 s	1,2-Dichloroethane-d4	2.294	2.286	0.3	81	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
29	1,1-Dichloropropene	0.426	0.436	-2.3	83	0.00
30 M	2-Butanone	0.309	0.313	-1.3	82	0.00
31	2,2-Dichloropropane	0.531	0.502	5.5	76	0.00
32 M	1,1,1-Trichloroethane	0.512	0.512	0.0	81	0.00
33 M	Carbon Tetrachloride	0.422	0.431	-2.1	83	0.00
34 M	Benzene	1.393	1.390	0.2	80	0.00
35	Methacrylonitrile	0.353	0.340	3.7	79	0.00
36 M	1,2-Dichloroethane	0.464	0.464	0.0	82	0.00
37 M	Trichloroethene	0.318	0.319	-0.3	82	0.00
38	Methylcyclohexane	0.549	0.539	1.8	82	0.00
39 M	1,2-Dichloropropane	0.351	0.358	-2.0	85	0.00
40	Dibromomethane	0.249	0.249	0.0	84	0.00
41 M	Bromodichloromethane	0.501	0.499	0.4	84	0.00
42 M	Vinyl Acetate	1.038	1.030	0.8	82	0.00
43	Ethyl Acetate	0.633	0.622	1.7	75	0.00
44	Isopropyl Acetate	1.011	1.027	-1.6	83	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	80	0.00
46	Methyl methacrylate	0.471	0.457	3.0	83	0.00
47	n-amyl Acetate	0.417	0.419	-0.5	138	0.02
48 M	t-1,3-Dichloropropene	0.564	0.560	0.7	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.592	0.585	1.2	85	0.00
50 M	1,1,2-Trichloroethane	0.331	0.325	1.8	84	0.00
51	Ethyl methacrylate	0.600	0.589	1.8	84	0.00
52	1,3-Dichloropropane	0.572	0.585	-2.3	89	0.00
53 M	Dibromochloromethane	0.380	0.382	-0.5	87	0.00
54 M	1,2-Dibromoethane	0.348	0.354	-1.7	89	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.333	-34.8#	106	0.00
56 M	Bromoform	0.267	0.250	6.4	81	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.676	0.711	-5.2	87	0.00
59 M	2-Hexanone	0.468	0.470	-0.4	86	0.00
60 S	4-Bromofluorobenzene	0.493	0.486	1.4	85	0.00
61 M	Tetrachloroethene	0.285	0.287	-0.7	88	0.00
62 M	Toluene	1.693	1.719	-1.5	88	0.00
63 S	Toluene-d8	1.378	1.394	-1.2	87	0.00
64 M	Chlorobenzene	1.041	1.044	-0.3	87	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.349	1.1	82	0.00
66 M	Ethyl Benzene	1.850	1.878	-1.5	86	0.00
67 M	m/p-Xylenes	0.693	0.705	-1.7	86	0.00
68 M	o-Xylene	0.678	0.691	-1.9	85	0.00
69 M	Styrene	1.160	1.156	0.3	84	0.00
70	Isopropylbenzene	1.742	1.754	-0.7	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.594	0.609	-2.5	87	0.00
72	1,2,3-Trichloropropane	0.540	0.505	6.5	73	0.00
73	Bromobenzene	0.405	0.407	-0.5	88	0.00
74	n-propylbenzene	2.151	2.159	-0.4	85	0.00
75	2-Chlorotoluene	1.276	1.291	-1.2	86	0.00
76	1,3,5-Trimethylbenzene	1.443	1.463	-1.4	85	0.00
77	t-1,4-Dichloro-2-butene	0.229	0.204	10.9	79	0.00
78	4-Chlorotoluene	1.311	1.318	-0.5	84	0.00
79	tert-butylbenzene	1.247	1.256	-0.7	85	0.00
80	1,2,4-Trimethylbenzene	1.432	1.447	-1.0	84	0.00
81	sec-Butylbenzene	1.852	1.882	-1.6	85	0.00
82	p-Isopropyltoluene	1.503	1.542	-2.6	84	0.00
83 M	1,3-Dichlorobenzene	0.766	0.777	-1.4	84	0.00
84 M	1,4-Dichlorobenzene	0.801	0.806	-0.6	84	0.00
85	n-Butylbenzene	1.514	1.539	-1.7	86	0.00
86 T	Hexachloroethane	0.305	0.311	-2.0	86	0.00
87 M	1,2-Dichlorobenzene	0.745	0.752	-0.9	85	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.130	5.1	82	0.00
89	1,2,4-Trichlorobenzene	0.454	0.455	-0.2	86	0.00
90	Hexachlorobutadiene	0.173	0.171	1.2	86	0.00
91 M	Naphthalene	1.716	1.753	-2.2	88	0.00
92	1,2,3-Trichlorobenzene	0.454	0.455	-0.2	86	0.00

(#) = Out of Range

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