

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062525

Quant Time: Jun 25 15:29:48 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	100	0.00
2 M	Dichlorodifluoromethane	1.806	1.708	5.4	104	0.00
3 M	Chloromethane	1.844	1.735	5.9	111	0.00
4 M	Vinyl Chloride	2.005	1.744	13.0	97	0.00
5 M	Bromomethane	1.064	1.090	-2.4	113	0.00
6 M	Chloroethane	1.075	1.028	4.4	107	0.00
7 M	Trichlorofluoromethane	2.459	2.313	5.9	100	0.00
8 T	Diethyl Ether	1.208	1.174	2.8	109	0.00
9	1,1,2-Trichlorotrifluoroeth	1.823	1.749	4.1	104	0.00
10 M	1,1-Dichloroethene	1.817	1.739	4.3	104	0.00
11	Methyl Iodide	1.628	1.264	22.4	98	0.00
12	Methyl Acetate	2.851	2.818	1.2	108	0.00
13 M	Acrolein	0.438	0.467	-6.6	130	0.00
14 M	Acrylonitrile	1.330	1.312	1.4	107	0.00
15 M	Acetone	0.388	0.381	1.8	104	0.00
16 M	Carbon Disulfide	5.313	5.001	5.9	103	0.00
17	Allyl chloride	2.997	2.752	8.2	100	0.01
18 M	Methylene Chloride	2.105	1.971	6.4	101	0.00
19 M	trans-1,2-Dichloroethene	1.987	1.889	4.9	104	0.00
20 T	Diisopropyl ether	6.359	6.106	4.0	101	0.00
21 M	1,1-Dichloroethane	3.801	3.306	13.0	92	0.00
22 M	cis-1,2-Dichloroethene	2.313	2.183	5.6	104	0.00
23 M	tert-Butyl Alcohol	0.500	0.516	-3.2	114	0.00
24 M	Methyl tert-Butyl Ether	6.374	6.197	2.8	108	0.00
25 M	Chloroform	3.641	3.232	11.2	97	0.00
26	Cyclohexane	3.159	2.769	12.3	98	0.00
27 s	1,2-Dichloroethane-d4	2.260	2.240	0.9	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.468	0.431	7.9	107	0.00
30 M	2-Butanone	0.315	0.305	3.2	106	0.00
31	2,2-Dichloropropane	0.564	0.549	2.7	106	0.00
32 M	1,1,1-Trichloroethane	0.546	0.489	10.4	98	0.00
33 M	Carbon Tetrachloride	0.460	0.416	9.6	105	0.00
34 M	Benzene	1.481	1.287	13.1	98	0.00
35	Methacrylonitrile	0.318	0.277	12.9	97	0.00
36 M	1,2-Dichloroethane	0.479	0.446	6.9	101	0.00
37 M	Trichloroethene	0.342	0.338	1.2	114	0.00
38	Methylcyclohexane	0.537	0.518	3.5	110	0.00
39 M	1,2-Dichloropropane	0.372	0.361	3.0	104	0.00
40	Dibromomethane	0.253	0.241	4.7	103	0.00
41 M	Bromodichloromethane	0.510	0.499	2.2	103	0.00
42 M	Vinyl Acetate	1.026	0.864	15.8	91	0.00
43	Ethyl Acetate	0.569	0.590	-3.7	105	0.00
44	Isopropyl Acetate	0.928	0.870	6.3	104	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	120	0.00
46	Methyl methacrylate	0.431	0.409	5.1	103	0.00
47	n-amyl Acetate	0.567	0.471	16.9	93	0.01
48 M	t-1,3-Dichloropropene	0.569	0.556	2.3	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.588	2.8	103	0.00
50 M	1,1,2-Trichloroethane	0.359	0.343	4.5	103	0.00
51	Ethyl methacrylate	0.547	0.513	6.2	109	0.00
52	1,3-Dichloropropane	0.617	0.587	4.9	102	0.00
53 M	Dibromochloromethane	0.377	0.363	3.7	106	0.00
54 M	1,2-Dibromoethane	0.371	0.346	6.7	100	0.00
55 M	2-Chloroethyl vinyl ether	0.313	0.283	9.6	97	0.00
56 M	Bromoform	0.259	0.239	7.7	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.603	0.590	2.2	107	0.00
59 M	2-Hexanone	0.389	0.339	12.9	105	0.00
60 S	4-Bromofluorobenzene	0.463	0.473	-2.2	105	0.00
61 M	Tetrachloroethene	0.297	0.274	7.7	102	0.00
62 M	Toluene	1.694	1.594	5.9	103	0.00
63 S	Toluene-d8	1.347	1.369	-1.6	98	0.00
64 M	Chlorobenzene	1.081	1.026	5.1	104	0.00
65	1,1,1,2-Tetrachloroethane	0.357	0.339	5.0	104	0.00
66 M	Ethyl Benzene	1.855	1.717	7.4	104	0.00
67 M	m/p-Xylenes	0.711	0.666	6.3	104	0.00
68 M	o-Xylene	0.678	0.653	3.7	108	0.00
69 M	Styrene	1.164	1.082	7.0	104	0.00
70	Isopropylbenzene	1.689	1.644	2.7	111	0.00
71 M	1,1,2,2-Tetrachloroethane	0.608	0.585	3.8	103	0.00
72	1,2,3-Trichloropropane	0.524	0.515	1.7	110	0.00
73	Bromobenzene	0.410	0.383	6.6	106	0.00
74	n-propylbenzene	2.063	2.008	2.7	111	0.00
75	2-Chlorotoluene	1.246	1.216	2.4	112	0.00
76	1,3,5-Trimethylbenzene	1.375	1.348	2.0	114	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.220	5.2	112	0.00
78	4-Chlorotoluene	1.276	1.261	1.2	114	0.00
79	tert-butylbenzene	1.156	1.130	2.2	114	0.00
80	1,2,4-Trimethylbenzene	1.380	1.347	2.4	114	0.00
81	sec-Butylbenzene	1.680	1.693	-0.8	115	0.00
82	p-Isopropyltoluene	1.398	1.401	-0.2	110	0.00
83 M	1,3-Dichlorobenzene	0.789	0.765	3.0	106	0.00
84 M	1,4-Dichlorobenzene	0.794	0.779	1.9	109	0.00
85	n-Butylbenzene	1.275	1.317	-3.3	114	0.00
86 T	Hexachloroethane	0.265	0.249	6.0	109	0.00
87 M	1,2-Dichlorobenzene	0.744	0.723	2.8	108	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.134	2.2	109	0.00
89	1,2,4-Trichlorobenzene	0.421	0.407	3.3	107	0.00
90	Hexachlorobutadiene	0.125	0.140	-12.0	125	0.00
91 M	Naphthalene	1.656	1.571	5.1	109	0.00
92	1,2,3-Trichlorobenzene	0.421	0.407	3.3	107	0.00

(#) = Out of Range

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