

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
 Data File : VN087603.D
 Acq On : 20 Aug 2025 08:58
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 21 02:38:13 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	90	0.00
2 M	Dichlorodifluoromethane	1.959	1.690	13.7	74	0.00
3 M	Chloromethane	2.010	1.706	15.1	71	0.00
4 M	Vinyl Chloride	2.131	1.926	9.6	76	0.00
5 M	Bromomethane	1.154	0.838	27.4#	65	0.00
6 M	Chloroethane	1.374	1.253	8.8	78	0.00
7 M	Trichlorofluoromethane	3.067	2.795	8.9	78	0.00
8 T	Diethyl Ether	1.278	1.231	3.7	84	0.00
9	1,1,2-Trichlorotrifluoroeth	1.564	1.598	-2.2	90	0.00
10 M	1,1-Dichloroethene	1.643	1.526	7.1	79	0.00
11	Methyl Iodide	1.294	0.735	43.2#	61	0.00
12	Methyl Acetate	3.032	2.967	2.1	86	0.00
13 M	Acrolein	0.463	0.608	-31.3#	118	0.00
14 M	Acrylonitrile	1.324	1.155	12.8	76	0.00
15 M	Acetone	0.378	0.445	-17.7	96	0.00
16 M	Carbon Disulfide	5.097	4.185	17.9	73	0.00
17	Allyl chloride	3.349	2.684	19.9	71	0.00
18 M	Methylene Chloride	2.115	1.929	8.8	80	0.00
19 M	trans-1,2-Dichloroethene	1.954	1.668	14.6	74	0.00
20 T	Diisopropyl ether	7.629	6.499	14.8	75	0.00
21 M	1,1-Dichloroethane	3.944	3.388	14.1	73	0.00
22 M	cis-1,2-Dichloroethene	2.404	2.100	12.6	75	0.00
23 M	tert-Butyl Alcohol	0.563	0.451	19.9	71	0.00
24 M	Methyl tert-Butyl Ether	7.487	6.331	15.4	74	0.00
25 M	Chloroform	4.116	3.653	11.2	78	0.00
26	Cyclohexane	3.157	2.658	15.8	72	0.00
27 s	1,2-Dichloroethane-d4	2.767	2.683	3.0	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.489	0.418	14.5	74	0.00
30 M	2-Butanone	0.361	0.322	10.8	76	0.00
31	2,2-Dichloropropane	0.631	0.570	9.7	77	0.00
32 M	1,1,1-Trichloroethane	0.624	0.544	12.8	76	0.00
33 M	Carbon Tetrachloride	0.518	0.450	13.1	75	0.00
34 M	Benzene	1.545	1.352	12.5	76	0.00
35	Methacrylonitrile	0.389	0.310	20.3	67	0.00
36 M	1,2-Dichloroethane	0.624	0.534	14.4	73	0.00
37 M	Trichloroethene	0.340	0.306	10.0	77	0.00
38	Methylcyclohexane	0.568	0.476	16.2	72	0.00
39 M	1,2-Dichloropropane	0.396	0.345	12.9	74	0.00
40	Dibromomethane	0.297	0.258	13.1	74	0.00
41 M	Bromodichloromethane	0.617	0.538	12.8	77	0.00
42 M	Vinyl Acetate	1.188	0.966	18.7	69	0.00
43	Ethyl Acetate	0.697	0.596	14.5	74	0.00
44	Isopropyl Acetate	1.181	0.984	16.7	71	0.00
45 T	1,4-Dioxane	0.008	0.007	12.5	81	0.00
46	Methyl methacrylate	0.558	0.450	19.4	70	0.00
47	n-amyl Acetate	0.652	0.673	-3.2	103	0.16
48 M	t-1,3-Dichloropropene	0.672	0.563	16.2	73	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.676	0.584	13.6	76	0.00
50 M	1,1,2-Trichloroethane	0.375	0.341	9.1	79	0.00
51	Ethyl methacrylate	0.661	0.552	16.5	73	0.00
52	1,3-Dichloropropane	0.676	0.590	12.7	75	0.00
53 M	Dibromochloromethane	0.434	0.378	12.9	77	0.00
54 M	1,2-Dibromoethane	0.399	0.344	13.8	74	0.00
55 M	2-Chloroethyl vinyl ether	0.348	0.304	12.6	75	0.00
56 M	Bromoform	0.287	0.239	16.7	75	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.772	0.676	12.4	73	0.00
59 M	2-Hexanone	0.524	0.449	14.3	74	0.00
60 S	4-Bromofluorobenzene	0.516	0.503	2.5	84	0.00
61 M	Tetrachloroethene	0.292	0.274	6.2	82	0.00
62 M	Toluene	1.852	1.639	11.5	75	0.00
63 S	Toluene-d8	1.380	1.403	-1.7	88	0.00
64 M	Chlorobenzene	1.138	1.013	11.0	76	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.361	9.8	78	0.00
66 M	Ethyl Benzene	2.064	1.771	14.2	73	0.00
67 M	m/p-Xylenes	0.758	0.669	11.7	76	0.00
68 M	o-Xylene	0.745	0.626	16.0	72	0.00
69 M	Styrene	1.273	1.097	13.8	74	0.00
70	Isopropylbenzene	1.893	1.650	12.8	74	0.00
71 M	1,1,2,2-Tetrachloroethane	0.649	0.575	11.4	74	0.00
72	1,2,3-Trichloropropane	0.604	0.509	15.7	78	0.00
73	Bromobenzene	0.439	0.396	9.8	78	0.00
74	n-propylbenzene	2.365	2.081	12.0	75	0.00
75	2-Chlorotoluene	1.455	1.227	15.7	72	0.00
76	1,3,5-Trimethylbenzene	1.621	1.397	13.8	73	0.00
77	t-1,4-Dichloro-2-butene	0.229	0.182	20.5	74	0.00
78	4-Chlorotoluene	1.474	1.232	16.4	73	0.00
79	tert-butylbenzene	1.367	1.184	13.4	74	0.00
80	1,2,4-Trimethylbenzene	1.620	1.436	11.4	76	0.00
81	sec-Butylbenzene	1.990	1.772	11.0	75	0.00
82	p-Isopropyltoluene	1.652	1.425	13.7	73	0.00
83 M	1,3-Dichlorobenzene	0.836	0.761	9.0	78	0.00
84 M	1,4-Dichlorobenzene	0.847	0.783	7.6	78	0.00
85	n-Butylbenzene	1.616	1.414	12.5	74	0.00
86 T	Hexachloroethane	0.323	0.274	15.2	73	0.00
87 M	1,2-Dichlorobenzene	0.798	0.733	8.1	78	0.00
88	1,2-Dibromo-3-Chloropropane	0.164	0.145	11.6	74	0.00
89	1,2,4-Trichlorobenzene	0.477	0.414	13.2	75	0.00
90	Hexachlorobutadiene	0.185	0.153	17.3	71	0.00
91 M	Naphthalene	1.818	1.531	15.8	72	0.00
92	1,2,3-Trichlorobenzene	0.477	0.414	13.2	75	0.00

(#) = Out of Range

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