

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	132	-0.02
2 M	Dichlorodifluoromethane	20.000	15.924	20.4	115	-0.01
3 M	Chloromethane	20.000	18.420	7.9	144	-0.01
4 M	Vinyl Chloride	20.000	17.804	11.0	131	-0.01
5 M	Bromomethane	20.000	19.682	1.6	144	-0.02
6 M	Chloroethane	20.000	21.932	-9.7	162	-0.01
7 M	Trichlorofluoromethane	20.000	21.710	-8.6	152	-0.02
8 T	Diethyl Ether	20.000	18.599	7.0	138	-0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	15.841	20.8	114	-0.03
10 M	1,1-Dichloroethene	20.000	15.708	21.5	113	-0.03
11	Methyl Iodide	20.000	18.048	9.8	151	-0.03
12	Methyl Acetate	20.000	21.184	-5.9	153	-0.03
13 M	Acrolein	100.000	70.510	29.5#	114	-0.03
14 M	Acrylonitrile	100.000	93.047	7.0	133	-0.03
15 M	Acetone	100.000	89.609	10.4	125	-0.03
16 M	Carbon Disulfide	20.000	14.829	25.9#	108	-0.03
17	Allyl chloride	20.000	18.523	7.4	133	-0.02
18 M	Methylene Chloride	20.000	19.279	3.6	138	-0.03
19 M	trans-1,2-Dichloroethene	20.000	16.843	15.8	122	-0.04
20 T	Diisopropyl ether	20.000	20.878	-4.4	144	-0.03
21 M	1,1-Dichloroethane	20.000	19.029	4.9	134	-0.03
22 M	cis-1,2-Dichloroethene	20.000	18.471	7.6	135	-0.02
23 M	tert-Butyl Alcohol	100.000	90.368	9.6	132	-0.01
24 M	Methyl tert-Butyl Ether	20.000	19.914	0.4	147	-0.03
25 M	Chloroform	20.000	20.210	-1.1	146	-0.02
26	Cyclohexane	20.000	16.454	17.7	122	-0.02
27 s	1,2-Dichloroethane-d4	30.000	32.525	-8.4	141	-0.02
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	126	-0.02
29	1,1-Dichloropropene	20.000	19.096	4.5	140	-0.02
30 M	2-Butanone	100.000	104.734	-4.7	145	-0.02
31	2,2-Dichloropropane	20.000	19.929	0.4	137	-0.02
32 M	1,1,1-Trichloroethane	20.000	21.058	-5.3	145	-0.02
33 M	Carbon Tetrachloride	20.000	21.079	-5.4	153	-0.03
34 M	Benzene	20.000	19.473	2.6	139	-0.02
35	Methacrylonitrile	20.000	21.818	-9.1	153	-0.02
36 M	1,2-Dichloroethane	20.000	22.510	-12.6	153	-0.02
37 M	Trichloroethene	20.000	18.781	6.1	137	-0.02
38	Methylcyclohexane	20.000	18.137	9.3	130	-0.02
39 M	1,2-Dichloropropane	20.000	20.373	-1.9	137	-0.02
40	Dibromomethane	20.000	21.197	-6.0	143	-0.02
41 M	Bromodichloromethane	20.000	21.852	-9.3	145	-0.02
42 M	Vinyl Acetate	100.000	99.305	0.7	135	-0.02
43	Ethyl Acetate	20.000	22.371	-11.9	143	-0.02
44	Isopropyl Acetate	20.000	21.582	-7.9	151	-0.02
45 T	1,4-Dioxane	400.000	435.529	-8.9	151	-0.02
46	Methyl methacrylate	20.000	21.690	-8.5	148	-0.02
47	n-amyl Acetate	20.000	23.721	-18.6	167	-0.01
48 M	t-1,3-Dichloropropene	20.000	20.708	-3.5	145	-0.02

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.330	-1.6	136	-0.02
50 M	1,1,2-Trichloroethane	20.000	20.144	-0.7	136	-0.02
51	Ethyl methacrylate	20.000	21.202	-6.0	155	-0.03
52	1,3-Dichloropropane	20.000	20.936	-4.7	142	-0.02
53 M	Dibromochloromethane	20.000	22.052	-10.3	152	-0.02
54 M	1,2-Dibromoethane	20.000	19.793	1.0	134	-0.02
55 M	2-Chloroethyl vinyl ether	100.000	102.481	-2.5	139	-0.02
56 M	Bromoform	20.000	21.061	-5.3	147	-0.02
57 I	Chlorobenzene-d5	30.000	30.000	0.0	119	-0.02
58 M	4-Methyl-2-Pentanone	100.000	118.048	-18.0	154	-0.02
59 M	2-Hexanone	100.000	125.791	-25.8#	180	-0.03
60 S	4-Bromofluorobenzene	30.000	31.514	-5.0	129	-0.02
61 M	Tetrachloroethene	20.000	20.748	-3.7	136	-0.02
62 M	Toluene	20.000	19.960	0.2	129	-0.02
63 S	Toluene-d8	30.000	30.020	-0.1	114	-0.02
64 M	Chlorobenzene	20.000	20.238	-1.2	132	-0.02
65	1,1,1,2-Tetrachloroethane	20.000	22.256	-11.3	145	-0.02
66 M	Ethyl Benzene	20.000	19.686	1.6	131	-0.02
67 M	m/p-Xylenes	40.000	40.039	-0.1	132	-0.02
68 M	o-Xylene	20.000	20.351	-1.8	135	-0.02
69 M	Styrene	20.000	19.940	0.3	132	-0.02
70	Isopropylbenzene	20.000	20.841	-4.2	141	-0.02
71 M	1,1,2,2-Tetrachloroethane	20.000	20.465	-2.3	130	-0.02
72	1,2,3-Trichloropropane	20.000	22.968	-14.8	153	-0.02
73	Bromobenzene	20.000	21.751	-8.8	146	-0.02
74	n-propylbenzene	20.000	20.544	-2.7	139	-0.02
75	2-Chlorotoluene	20.000	20.493	-2.5	140	-0.02
76	1,3,5-Trimethylbenzene	20.000	21.335	-6.7	147	-0.02
77	t-1,4-Dichloro-2-butene	20.000	18.956	5.2	133	-0.02
78	4-Chlorotoluene	20.000	21.150	-5.7	144	-0.02
79	tert-butylbenzene	20.000	21.488	-7.4	149	-0.02
80	1,2,4-Trimethylbenzene	20.000	21.477	-7.4	149	-0.02
81	sec-Butylbenzene	20.000	21.448	-7.2	145	-0.02
82	p-Isopropyltoluene	20.000	22.171	-10.9	145	-0.02
83 M	1,3-Dichlorobenzene	20.000	21.391	-7.0	140	-0.02
84 M	1,4-Dichlorobenzene	20.000	20.178	-0.9	133	-0.02
85	n-Butylbenzene	20.000	22.382	-11.9	147	-0.02
86 T	Hexachloroethane	20.000	22.079	-10.4	152	-0.02
87 M	1,2-Dichlorobenzene	20.000	21.442	-7.2	141	-0.02
88	1,2-Dibromo-3-Chloropropane	20.000	19.839	0.8	132	-0.02
89	1,2,4-Trichlorobenzene	20.000	22.107	-10.5	145	-0.02
90	Hexachlorobutadiene	20.000	30.624	-53.1#	202	-0.02
91 M	Naphthalene	20.000	20.451	-2.3	139	-0.02
92	1,2,3-Trichlorobenzene	20.000	22.107	-10.5	145	-0.02

(#) = Out of Range

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