

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087366.D
 Acq On : 18 Jul 2025 15:02
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:21:09 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	113	-0.03
2 M	Dichlorodifluoromethane	20.000	14.485	27.6#	90	-0.01
3 M	Chloromethane	20.000	17.368	13.2	116	0.00
4 M	Vinyl Chloride	20.000	16.584	17.1	105	-0.01
5 M	Bromomethane	20.000	14.290	28.6#	89	-0.02
6 M	Chloroethane	20.000	20.109	-0.5	127	-0.01
7 M	Trichlorofluoromethane	20.000	20.673	-3.4	124	-0.02
8 T	Diethyl Ether	20.000	17.401	13.0	111	-0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	15.685	21.6	97	-0.04
10 M	1,1-Dichloroethene	20.000	15.803	21.0	97	-0.04
11	Methyl Iodide	20.000	11.976	40.1#	86	-0.04
12	Methyl Acetate	20.000	21.291	-6.5	132	-0.02
13 M	Acrolein	100.000	70.615	29.4#	98	-0.03
14 M	Acrylonitrile	100.000	92.584	7.4	114	-0.02
15 M	Acetone	100.000	82.493	17.5	99	-0.03
16 M	Carbon Disulfide	20.000	14.108	29.5#	88	-0.04
17	Allyl chloride	20.000	17.656	11.7	109	-0.03
18 M	Methylene Chloride	20.000	17.438	12.8	107	-0.03
19 M	trans-1,2-Dichloroethene	20.000	16.189	19.1	100	-0.02
20 T	Diisopropyl ether	20.000	19.802	1.0	117	-0.03
21 M	1,1-Dichloroethane	20.000	18.104	9.5	109	-0.02
22 M	cis-1,2-Dichloroethene	20.000	17.655	11.7	111	-0.02
23 M	tert-Butyl Alcohol	100.000	85.968	14.0	108	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.068	4.7	120	-0.02
25 M	Chloroform	20.000	19.795	1.0	123	-0.02
26	Cyclohexane	20.000	15.372	23.1	98	-0.02
27 s	1,2-Dichloroethane-d4	30.000	33.091	-10.3	123	-0.02
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	105	-0.02
29	1,1-Dichloropropene	20.000	18.363	8.2	112	-0.02
30 M	2-Butanone	100.000	107.073	-7.1	124	-0.02
31	2,2-Dichloropropane	20.000	19.768	1.2	113	-0.02
32 M	1,1,1-Trichloroethane	20.000	21.048	-5.2	121	-0.02
33 M	Carbon Tetrachloride	20.000	20.680	-3.4	125	-0.02
34 M	Benzene	20.000	19.065	4.7	113	-0.02
35	Methacrylonitrile	20.000	22.452	-12.3	132	-0.02
36 M	1,2-Dichloroethane	20.000	22.616	-13.1	128	-0.01
37 M	Trichloroethene	20.000	19.977	0.1	122	-0.02
38	Methylcyclohexane	20.000	16.777	16.1	100	-0.02
39 M	1,2-Dichloropropane	20.000	20.983	-4.9	118	-0.02
40	Dibromomethane	20.000	20.997	-5.0	119	-0.02
41 M	Bromodichloromethane	20.000	22.195	-11.0	123	-0.02
42 M	Vinyl Acetate	100.000	98.151	1.8	111	-0.02
43	Ethyl Acetate	20.000	22.598	-13.0	120	-0.02
44	Isopropyl Acetate	20.000	22.105	-10.5	129	-0.02
45 T	1,4-Dioxane	400.000	394.185	1.5	114	-0.01
46	Methyl methacrylate	20.000	22.752	-13.8	130	-0.02
47	n-amyl Acetate	20.000	18.678	6.6	110	0.00
48 M	t-1,3-Dichloropropene	20.000	20.162	-0.8	118	-0.02

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.393	-2.0	114	-0.02
50 M	1,1,2-Trichloroethane	20.000	21.172	-5.9	120	-0.02
51	Ethyl methacrylate	20.000	20.548	-2.7	125	-0.02
52	1,3-Dichloropropane	20.000	20.692	-3.5	117	-0.02
53 M	Dibromochloromethane	20.000	21.831	-9.2	126	-0.02
54 M	1,2-Dibromoethane	20.000	20.345	-1.7	115	-0.02
55 M	2-Chloroethyl vinyl ether	100.000	101.843	-1.8	115	-0.02
56 M	Bromoform	20.000	20.501	-2.5	119	-0.02
57 I	Chlorobenzene-d5	30.000	30.000	0.0	102	-0.02
58 M	4-Methyl-2-Pentanone	100.000	123.005	-23.0	138	-0.02
59 M	2-Hexanone	100.000	125.680	-25.7#	154	-0.02
60 S	4-Bromofluorobenzene	30.000	31.019	-3.4	109	-0.02
61 M	Tetrachloroethene	20.000	20.484	-2.4	116	-0.02
62 M	Toluene	20.000	19.514	2.4	108	-0.02
63 S	Toluene-d8	30.000	29.929	0.2	98	-0.02
64 M	Chlorobenzene	20.000	19.529	2.4	109	-0.02
65	1,1,1,2-Tetrachloroethane	20.000	20.936	-4.7	117	-0.02
66 M	Ethyl Benzene	20.000	18.580	7.1	106	-0.02
67 M	m/p-Xylenes	40.000	38.194	4.5	108	-0.02
68 M	o-Xylene	20.000	19.247	3.8	110	-0.02
69 M	Styrene	20.000	19.381	3.1	110	-0.02
70	Isopropylbenzene	20.000	19.698	1.5	114	-0.02
71 M	1,1,2,2-Tetrachloroethane	20.000	21.199	-6.0	116	-0.02
72	1,2,3-Trichloropropane	20.000	23.705	-18.5	136	-0.01
73	Bromobenzene	20.000	20.696	-3.5	120	-0.02
74	n-propylbenzene	20.000	20.109	-0.5	117	-0.02
75	2-Chlorotoluene	20.000	20.201	-1.0	119	-0.02
76	1,3,5-Trimethylbenzene	20.000	20.625	-3.1	122	-0.02
77	t-1,4-Dichloro-2-butene	20.000	16.730	16.3	101	-0.01
78	4-Chlorotoluene	20.000	21.214	-6.1	124	-0.02
79	tert-butylbenzene	20.000	21.245	-6.2	126	-0.02
80	1,2,4-Trimethylbenzene	20.000	21.401	-7.0	128	-0.02
81	sec-Butylbenzene	20.000	20.746	-3.7	120	-0.02
82	p-Isopropyltoluene	20.000	21.514	-7.6	121	-0.02
83 M	1,3-Dichlorobenzene	20.000	20.648	-3.2	116	-0.02
84 M	1,4-Dichlorobenzene	20.000	20.479	-2.4	116	-0.02
85	n-Butylbenzene	20.000	21.467	-7.3	121	-0.02
86 T	Hexachloroethane	20.000	20.743	-3.7	123	-0.02
87 M	1,2-Dichlorobenzene	20.000	21.567	-7.8	122	-0.02
88	1,2-Dibromo-3-Chloropropane	20.000	20.879	-4.4	119	-0.02
89	1,2,4-Trichlorobenzene	20.000	21.785	-8.9	123	-0.02
90	Hexachlorobutadiene	20.000	30.331	-51.7#	172	-0.02
91 M	Naphthalene	20.000	19.237	3.8	112	-0.02
92	1,2,3-Trichlorobenzene	20.000	21.785	-8.9	123	-0.02

(#) = Out of Range

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