

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087406.D
 Acq On : 23 Jul 2025 14:57
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072325

Quant Time: Jul 24 05:13:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 05:11:26 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	102	0.00
2 M	Dichlorodifluoromethane	20.000	18.571	7.1	97	0.00
3 M	Chloromethane	20.000	18.264	8.7	96	0.00
4 M	Vinyl Chloride	20.000	19.324	3.4	108	0.00
5 M	Bromomethane	20.000	18.856	5.7	110	0.00
6 M	Chloroethane	20.000	19.814	0.9	102	0.00
7 M	Trichlorofluoromethane	20.000	18.899	5.5	97	0.00
8 T	Diethyl Ether	20.000	20.003	-0.0	106	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.896	5.5	99	0.00
10 M	1,1-Dichloroethene	20.000	19.367	3.2	106	-0.01
11	Methyl Iodide	20.000	15.828	20.9	123	0.00
12	Methyl Acetate	20.000	19.590	2.1	109	0.00
13 M	Acrolein	100.000	103.136	-3.1	132	0.00
14 M	Acrylonitrile	100.000	95.581	4.4	111	0.00
15 M	Acetone	100.000	101.649	-1.6	107	0.00
16 M	Carbon Disulfide	20.000	19.344	3.3	104	0.00
17	Allyl chloride	20.000	17.369	13.2	102	-0.01
18 M	Methylene Chloride	20.000	19.310	3.5	98	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.340	8.3	99	0.00
20 T	Diisopropyl ether	20.000	17.564	12.2	104	0.00
21 M	1,1-Dichloroethane	20.000	19.198	4.0	105	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.673	6.6	104	0.00
23 M	tert-Butyl Alcohol	100.000	104.327	-4.3	119	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.700	6.5	107	-0.01
25 M	Chloroform	20.000	19.017	4.9	102	0.00
26	Cyclohexane	20.000	17.073	14.6	102	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.523	-1.7	103	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	112	0.00
29	1,1-Dichloropropene	20.000	16.642	16.8	102	0.00
30 M	2-Butanone	100.000	87.771	12.2	112	0.00
31	2,2-Dichloropropane	20.000	18.049	9.8	107	0.00
32 M	1,1,1-Trichloroethane	20.000	17.624	11.9	103	0.00
33 M	Carbon Tetrachloride	20.000	17.348	13.3	101	0.00
34 M	Benzene	20.000	17.187	14.1	104	0.00
35	Methacrylonitrile	20.000	16.362	18.2	108	0.00
36 M	1,2-Dichloroethane	20.000	16.957	15.2	98	0.00
37 M	Trichloroethene	20.000	16.997	15.0	101	0.00
38	Methylcyclohexane	20.000	16.069	19.7	106	0.00
39 M	1,2-Dichloropropane	20.000	16.992	15.0	101	0.00
40	Dibromomethane	20.000	17.114	14.4	97	0.00
41 M	Bromodichloromethane	20.000	17.517	12.4	100	0.00
42 M	Vinyl Acetate	100.000	81.608	18.4	105	0.00
43	Ethyl Acetate	20.000	17.412	12.9	104	0.00
44	Isopropyl Acetate	20.000	16.920	15.4	108	0.00
45 T	1,4-Dioxane	400.000	366.098	8.5	104	0.00
46	Methyl methacrylate	20.000	13.973	30.1#	92	0.00
47	n-amyl Acetate	20.000	19.405	3.0	140	0.02
48 M	t-1,3-Dichloropropene	20.000	16.116	19.4	102	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.037	14.8	101	0.00
50 M	1,1,2-Trichloroethane	20.000	16.620	16.9	97	0.00
51	Ethyl methacrylate	20.000	15.533	22.3	100	0.00
52	1,3-Dichloropropane	20.000	16.731	16.3	102	0.00
53 M	Dibromochloromethane	20.000	17.648	11.8	104	0.00
54 M	1,2-Dibromoethane	20.000	17.406	13.0	102	0.00
55 M	2-Chloroethyl vinyl ether	100.000	72.592	27.4#	79	0.00
56 M	Bromoform	20.000	15.395	23.0	97	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.321	6.7	105	0.00
59 M	2-Hexanone	100.000	90.765	9.2	105	0.00
60 S	4-Bromofluorobenzene	30.000	29.038	3.2	104	0.00
61 M	Tetrachloroethene	20.000	19.241	3.8	101	0.00
62 M	Toluene	20.000	18.073	9.6	101	0.00
63 S	Toluene-d8	30.000	29.925	0.2	101	0.00
64 M	Chlorobenzene	20.000	18.493	7.5	101	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.675	6.6	100	0.00
66 M	Ethyl Benzene	20.000	17.591	12.0	106	0.00
67 M	m/p-Xylenes	40.000	35.590	11.0	102	0.00
68 M	o-Xylene	20.000	17.637	11.8	105	0.00
69 M	Styrene	20.000	17.424	12.9	104	0.00
70	Isopropylbenzene	20.000	17.105	14.5	100	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	17.560	12.2	95	0.00
72	1,2,3-Trichloropropane	20.000	17.031	14.8	95	0.00
73	Bromobenzene	20.000	18.038	9.8	102	0.00
74	n-propylbenzene	20.000	17.051	14.7	99	0.00
75	2-Chlorotoluene	20.000	17.785	11.1	103	0.00
76	1,3,5-Trimethylbenzene	20.000	17.279	13.6	102	0.00
77	t-1,4-Dichloro-2-butene	20.000	14.201	29.0#	91	0.00
78	4-Chlorotoluene	20.000	17.090	14.6	101	0.00
79	tert-butylbenzene	20.000	16.323	18.4	101	0.00
80	1,2,4-Trimethylbenzene	20.000	17.090	14.6	101	0.00
81	sec-Butylbenzene	20.000	16.989	15.1	105	0.00
82	p-Isopropyltoluene	20.000	16.395	18.0	101	0.00
83 M	1,3-Dichlorobenzene	20.000	17.174	14.1	99	0.00
84 M	1,4-Dichlorobenzene	20.000	17.455	12.7	102	0.00
85	n-Butylbenzene	20.000	16.335	18.3	104	0.00
86 T	Hexachloroethane	20.000	16.990	15.1	102	0.00
87 M	1,2-Dichlorobenzene	20.000	17.327	13.4	100	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.373	8.1	119	0.00
89	1,2,4-Trichlorobenzene	20.000	16.676	16.6	100	0.00
90	Hexachlorobutadiene	20.000	17.668	11.7	101	0.00
91 M	Naphthalene	20.000	16.946	15.3	111	0.00
92	1,2,3-Trichlorobenzene	20.000	16.676	16.6	100	0.00

(#) = Out of Range

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