

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087397.D
 Acq On : 22 Jul 2025 18:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 23 05:58:50 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	77	-0.02
2 M	Dichlorodifluoromethane	20.000	12.327	38.4#	52	-0.01
3 M	Chloromethane	20.000	13.679	31.6#	62	-0.01
4 M	Vinyl Chloride	20.000	14.094	29.5#	60	-0.01
5 M	Bromomethane	20.000	12.462	37.7#	53	-0.01
6 M	Chloroethane	20.000	22.694	-13.5	97	-0.02
7 M	Trichlorofluoromethane	20.000	22.753	-13.8	93	-0.02
8 T	Diethyl Ether	20.000	18.707	6.5	81	-0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	16.221	18.9	68	-0.04
10 M	1,1-Dichloroethene	20.000	15.532	22.3	65	-0.04
11	Methyl Iodide	20.000	9.566	52.2#	46	-0.02
12	Methyl Acetate	20.000	17.249	13.8	72	-0.03
13 M	Acrolein	100.000	89.779	10.2	84	-0.03
14 M	Acrylonitrile	100.000	73.912	26.1#	62	-0.02
15 M	Acetone	100.000	88.451	11.5	72	-0.03
16 M	Carbon Disulfide	20.000	12.050	39.8#	51	-0.03
17	Allyl chloride	20.000	13.380	33.1#	56	-0.04
18 M	Methylene Chloride	20.000	15.514	22.4	65	-0.04
19 M	trans-1,2-Dichloroethene	20.000	14.546	27.3#	61	-0.03
20 T	Diisopropyl ether	20.000	15.953	20.2	64	-0.03
21 M	1,1-Dichloroethane	20.000	14.815	25.9#	61	-0.02
22 M	cis-1,2-Dichloroethene	20.000	15.182	24.1	65	-0.02
23 M	tert-Butyl Alcohol	100.000	73.835	26.2#	63	-0.02
24 M	Methyl tert-Butyl Ether	20.000	16.071	19.6	69	-0.02
25 M	Chloroform	20.000	17.932	10.3	76	-0.02
26	Cyclohexane	20.000	10.750	46.3#	46	-0.02
27 s	1,2-Dichloroethane-d4	30.000	32.318	-7.7	81	-0.02
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	62	-0.02
29	1,1-Dichloropropene	20.000	17.805	11.0	65	-0.02
30 M	2-Butanone	100.000	102.283	-2.3	70	-0.02
31	2,2-Dichloropropane	20.000	20.774	-3.9	70	-0.02
32 M	1,1,1-Trichloroethane	20.000	21.793	-9.0	74	-0.02
33 M	Carbon Tetrachloride	20.000	22.079	-10.4	79	-0.02
34 M	Benzene	20.000	18.459	7.7	65	-0.02
35	Methacrylonitrile	20.000	19.098	4.5	66	-0.03
36 M	1,2-Dichloroethane	20.000	24.161	-20.8	81	-0.02
37 M	Trichloroethene	20.000	18.439	7.8	67	-0.02
38	Methylcyclohexane	20.000	14.031	29.8#	50	-0.02
39 M	1,2-Dichloropropane	20.000	19.439	2.8	65	-0.02
40	Dibromomethane	20.000	21.684	-8.4	73	-0.02
41 M	Bromodichloromethane	20.000	22.473	-12.4	74	-0.02
42 M	Vinyl Acetate	100.000	88.631	11.4	60	-0.02
43	Ethyl Acetate	20.000	21.813	-9.1	69	-0.02
44	Isopropyl Acetate	20.000	20.838	-4.2	72	-0.02
45 T	1,4-Dioxane	400.000	450.747	-12.7	77	-0.02
46	Methyl methacrylate	20.000	20.097	-0.5	68	-0.02
47	n-amyl Acetate	20.000	20.401	-2.0	71	-0.02
48 M	t-1,3-Dichloropropene	20.000	19.445	2.8	67	-0.02

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.559	2.2	65	-0.02
50 M	1,1,2-Trichloroethane	20.000	20.657	-3.3	69	-0.02
51	Ethyl methacrylate	20.000	19.132	4.3	69	-0.03
52	1,3-Dichloropropane	20.000	19.840	0.8	66	-0.02
53 M	Dibromochloromethane	20.000	23.511	-17.6	80	-0.02
54 M	1,2-Dibromoethane	20.000	20.885	-4.4	70	-0.02
55 M	2-Chloroethyl vinyl ether	100.000	102.456	-2.5	69	-0.02
56 M	Bromoform	20.000	22.433	-12.2	77	-0.02
57 I	Chlorobenzene-d5	30.000	30.000	0.0	64	-0.02
58 M	4-Methyl-2-Pentanone	100.000	113.408	-13.4	80	-0.02
59 M	2-Hexanone	100.000	112.912	-12.9	87	-0.02
60 S	4-Bromofluorobenzene	30.000	31.251	-4.2	69	-0.02
61 M	Tetrachloroethene	20.000	18.344	8.3	65	-0.02
62 M	Toluene	20.000	18.407	8.0	64	-0.02
63 S	Toluene-d8	30.000	30.822	-2.7	63	-0.02
64 M	Chlorobenzene	20.000	18.250	8.8	64	-0.02
65	1,1,1,2-Tetrachloroethane	20.000	21.910	-9.6	77	-0.02
66 M	Ethyl Benzene	20.000	17.011	14.9	61	-0.02
67 M	m/p-Xylenes	40.000	34.815	13.0	62	-0.02
68 M	o-Xylene	20.000	17.060	14.7	61	-0.02
69 M	Styrene	20.000	17.905	10.5	64	-0.02
70	Isopropylbenzene	20.000	17.765	11.2	65	-0.02
71 M	1,1,2,2-Tetrachloroethane	20.000	19.875	0.6	68	-0.02
72	1,2,3-Trichloropropane	20.000	19.348	3.3	70	-0.01
73	Bromobenzene	20.000	19.947	0.3	72	-0.02
74	n-propylbenzene	20.000	18.882	5.6	69	-0.02
75	2-Chlorotoluene	20.000	18.630	6.9	69	-0.02
76	1,3,5-Trimethylbenzene	20.000	18.969	5.2	71	-0.02
77	t-1,4-Dichloro-2-butene	20.000	14.015	29.9#	53	-0.01
78	4-Chlorotoluene	20.000	19.709	1.5	73	-0.02
79	tert-butylbenzene	20.000	18.934	5.3	71	-0.02
80	1,2,4-Trimethylbenzene	20.000	19.346	3.3	72	-0.02
81	sec-Butylbenzene	20.000	19.018	4.9	69	-0.02
82	p-Isopropyltoluene	20.000	18.899	5.5	67	-0.02
83 M	1,3-Dichlorobenzene	20.000	20.327	-1.6	71	-0.02
84 M	1,4-Dichlorobenzene	20.000	19.518	2.4	69	-0.02
85	n-Butylbenzene	20.000	19.357	3.2	68	-0.02
86 T	Hexachloroethane	20.000	21.577	-7.9	80	-0.02
87 M	1,2-Dichlorobenzene	20.000	20.830	-4.1	74	-0.02
88	1,2-Dibromo-3-Chloropropane	20.000	20.643	-3.2	74	-0.01
89	1,2,4-Trichlorobenzene	20.000	21.041	-5.2	75	-0.02
90	Hexachlorobutadiene	20.000	30.409	-52.0#	108	-0.02
91 M	Naphthalene	20.000	17.121	14.4	63	-0.02
92	1,2,3-Trichlorobenzene	20.000	21.041	-5.2	75	-0.02

(#) = Out of Range

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