

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102725\
 Data File : VT019190.D
 Acq On : 27 Oct 2025 14:48
 Operator : SY/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 28 05:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 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	129	-0.05
2 M	Dichlorodifluoromethane	20.000	17.498	12.5	117	-0.01
3 M	Chloromethane	20.000	15.397	23.0	103	-0.02
4 M	Vinyl Chloride	20.000	14.091	29.5#	104	-0.02
5 M	Bromomethane	20.000	17.040	14.8	116	0.00
6 M	Chloroethane	20.000	13.794	31.0#	96	-0.01
7 M	Trichlorofluoromethane	20.000	14.483	27.6#	106	-0.02
8 T	Diethyl Ether	20.000	14.670	26.7#	105	-0.03
9	1,1,2-Trichlorotrifluoroeth	20.000	19.495	2.5	120	-0.03
10 M	1,1-Dichloroethene	20.000	20.001	-0.0	120	-0.04
11	Methyl Iodide	20.000	16.224	18.9	110	-0.04
12	Methyl Acetate	20.000	18.139	9.3	121	-0.05
13 M	Acrolein	100.000	78.502	21.5	87	-0.04
14 M	Acrylonitrile	100.000	82.719	17.3	115	-0.05
15 M	Acetone	100.000	85.054	14.9	116	-0.03
16 M	Carbon Disulfide	20.000	15.092	24.5	105	-0.04
17	Allyl chloride	20.000	17.645	11.8	130	-0.05
18 M	Methylene Chloride	20.000	17.000	15.0	118	-0.04
19 M	trans-1,2-Dichloroethene	20.000	17.177	14.1	118	-0.05
20 T	Diisopropyl ether	20.000	16.991	15.0	120	-0.05
21 M	1,1-Dichloroethane	20.000	16.469	17.7	115	-0.06
22 M	cis-1,2-Dichloroethene	20.000	16.927	15.4	116	-0.05
23 M	tert-Butyl Alcohol	100.000	83.072	16.9	115	-0.05
24 M	Methyl tert-Butyl Ether	20.000	16.837	15.8	117	-0.06
25 M	Chloroform	20.000	17.235	13.8	122	-0.05
26	Cyclohexane	20.000	15.960	20.2	110	-0.05
27 s	1,2-Dichloroethane-d4	30.000	29.824	0.6	128	-0.05
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	127	-0.04
29	1,1-Dichloropropene	20.000	16.956	15.2	115	-0.04
30 M	2-Butanone	100.000	81.740	18.3	114	-0.05
31	2,2-Dichloropropane	20.000	17.582	12.1	120	-0.05
32 M	1,1,1-Trichloroethane	20.000	17.623	11.9	121	-0.05
33 M	Carbon Tetrachloride	20.000	18.208	9.0	122	-0.04
34 M	Benzene	20.000	17.008	15.0	116	-0.05
35	Methacrylonitrile	20.000	18.262	8.7	116	-0.05
36 M	1,2-Dichloroethane	20.000	17.378	13.1	118	-0.05
37 M	Trichloroethene	20.000	17.446	12.8	120	-0.05
38	Methylcyclohexane	20.000	17.137	14.3	116	-0.05
39 M	1,2-Dichloropropane	20.000	17.327	13.4	118	-0.04
40	Dibromomethane	20.000	17.095	14.5	121	-0.05
41 M	Bromodichloromethane	20.000	17.662	11.7	119	-0.04
42 M	Vinyl Acetate	100.000	84.222	15.8	116	-0.05
43	Ethyl Acetate	20.000	18.008	10.0	123	-0.05
44	Isopropyl Acetate	20.000	17.210	13.9	118	-0.05
45 T	1,4-Dioxane	400.000	380.072	5.0	119	-0.05
46	Methyl methacrylate	20.000	17.221	13.9	119	-0.04
47	n-amyl Acetate	20.000	17.191	14.0	117	-0.04
48 M	t-1,3-Dichloropropene	20.000	17.949	10.3	121	-0.04

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.552	12.2	121	-0.05
50 M	1,1,2-Trichloroethane	20.000	17.597	12.0	120	-0.04
51	Ethyl methacrylate	20.000	17.963	10.2	120	-0.04
52	1,3-Dichloropropane	20.000	17.424	12.9	119	-0.04
53 M	Dibromochloromethane	20.000	18.599	7.0	126	-0.04
54 M	1,2-Dibromoethane	20.000	17.352	13.2	118	-0.04
55 M	2-Chloroethyl vinyl ether	100.000	82.778	17.2	128	-0.04
56 M	Bromoform	20.000	19.282	3.6	129	-0.04
57 I	Chlorobenzene-d5	30.000	30.000	0.0	123	-0.04
58 M	4-Methyl-2-Pentanone	100.000	83.527	16.5	115	-0.05
59 M	2-Hexanone	100.000	83.527	16.5	115	-0.05
60 S	4-Bromofluorobenzene	30.000	29.523	1.6	124	-0.04
61 M	Tetrachloroethene	20.000	17.765	11.2	118	-0.04
62 M	Toluene	20.000	17.410	13.0	117	-0.05
63 S	Toluene-d8	30.000	29.824	0.6	122	-0.04
64 M	Chlorobenzene	20.000	17.282	13.6	117	-0.04
65	1,1,1,2-Tetrachloroethane	20.000	17.978	10.1	119	-0.04
66 M	Ethyl Benzene	20.000	17.327	13.4	117	-0.04
67 M	m/p-Xylenes	40.000	34.738	13.2	118	-0.04
68 M	o-Xylene	20.000	17.119	14.4	119	-0.04
69 M	Styrene	20.000	17.011	14.9	115	-0.05
70	Isopropylbenzene	20.000	17.395	13.0	117	-0.04
71 M	1,1,2,2-Tetrachloroethane	20.000	17.735	11.3	118	-0.04
72	1,2,3-Trichloropropane	20.000	22.809	-14.0	147	-0.04
73	Bromobenzene	20.000	17.480	12.6	119	-0.05
74	n-propylbenzene	20.000	17.528	12.4	117	-0.04
75	2-Chlorotoluene	20.000	17.731	11.3	119	-0.04
76	1,3,5-Trimethylbenzene	20.000	17.968	10.2	122	-0.04
77	t-1,4-Dichloro-2-butene	20.000	18.861	5.7	124	-0.03
78	4-Chlorotoluene	20.000	17.728	11.4	119	-0.05
79	tert-butylbenzene	20.000	17.804	11.0	114	-0.04
80	1,2,4-Trimethylbenzene	20.000	17.473	12.6	115	-0.04
81	sec-Butylbenzene	20.000	17.456	12.7	116	-0.04
82	p-Isopropyltoluene	20.000	17.559	12.2	117	-0.04
83 M	1,3-Dichlorobenzene	20.000	18.100	9.5	121	-0.04
84 M	1,4-Dichlorobenzene	20.000	17.638	11.8	118	-0.04
85	n-Butylbenzene	20.000	17.300	13.5	114	-0.04
86 T	Hexachloroethane	20.000	20.571	-2.9	134	-0.05
87 M	1,2-Dichlorobenzene	20.000	18.055	9.7	120	-0.04
88	1,2-Dibromo-3-Chloropropane	20.000	18.009	10.0	120	-0.05
89	1,2,4-Trichlorobenzene	20.000	17.670	11.6	118	-0.05
90	Hexachlorobutadiene	20.000	18.083	9.6	115	-0.06
91 M	Naphthalene	20.000	16.864	15.7	114	-0.05
92	1,2,3-Trichlorobenzene	20.000	17.742	11.3	116	-0.05

(#) = Out of Range

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