

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088290.D
 Acq On : 14 Nov 2025 15:08
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 14 21:50:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 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	95	0.00
2 M	Dichlorodifluoromethane	20.000	15.038	24.8	64	0.00
3 M	Chloromethane	20.000	21.336	-6.7	96	0.00
4 M	Vinyl Chloride	20.000	17.420	12.9	79	0.00
5 M	Bromomethane	20.000	20.704	-3.5	100	0.00
6 M	Chloroethane	20.000	19.449	2.8	88	0.00
7 M	Trichlorofluoromethane	20.000	15.703	21.5	70	0.00
8 T	Diethyl Ether	20.000	21.716	-8.6	104	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	15.854	20.7	71	0.00
10 M	1,1-Dichloroethene	20.000	17.081	14.6	77	0.00
11	Methyl Iodide	20.000	17.444	12.8	84	0.00
12	Methyl Acetate	20.000	24.164	-20.8	113	0.00
13 M	Acrolein	100.000	132.297	-32.3#	139	0.00
14 M	Acrylonitrile	100.000	116.636	-16.6	110	0.00
15 M	Acetone	100.000	115.793	-15.8	107	0.00
16 M	Carbon Disulfide	20.000	16.708	16.5	75	0.00
17	Allyl chloride	20.000	18.118	9.4	84	-0.01
18 M	Methylene Chloride	20.000	21.527	-7.6	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.276	8.6	82	-0.01
20 T	Diisopropyl ether	20.000	21.473	-7.4	100	0.00
21 M	1,1-Dichloroethane	20.000	19.565	2.2	90	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.547	2.3	92	0.00
23 M	tert-Butyl Alcohol	100.000	116.118	-16.1	113	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.492	-7.5	103	0.00
25 M	Chloroform	20.000	20.203	-1.0	95	0.00
26	Cyclohexane	20.000	14.768	26.2#	65	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.319	2.3	93	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	80	0.00
29	1,1-Dichloropropene	20.000	18.549	7.3	73	0.00
30 M	2-Butanone	100.000	135.718	-35.7#	112	0.00
31	2,2-Dichloropropane	20.000	17.789	11.1	70	0.00
32 M	1,1,1-Trichloroethane	20.000	19.697	1.5	78	0.00
33 M	Carbon Tetrachloride	20.000	18.872	5.6	74	0.00
34 M	Benzene	20.000	21.692	-8.5	86	0.00
35	Methacrylonitrile	20.000	26.653	-33.3#	110	0.00
36 M	1,2-Dichloroethane	20.000	23.772	-18.9	96	0.00
37 M	Trichloroethene	20.000	20.077	-0.4	80	0.00
38	Methylcyclohexane	20.000	16.912	15.4	65	0.00
39 M	1,2-Dichloropropane	20.000	23.484	-17.4	95	0.00
40	Dibromomethane	20.000	25.019	-25.1#	100	0.00
41 M	Bromodichloromethane	20.000	23.724	-18.6	99	0.00
42 M	Vinyl Acetate	100.000	125.986	-26.0#	103	0.00
43	Ethyl Acetate	20.000	27.958	-39.8#	112	0.00
44	Isopropyl Acetate	20.000	25.897	-29.5#	106	0.00
45 T	1,4-Dioxane	400.000	633.176	-58.3#	122	0.00
46	Methyl methacrylate	20.000	24.716	-23.6	103	0.00
47	n-amyl Acetate	20.000	19.652	1.7	87	-0.06
48 M	t-1,3-Dichloropropene	20.000	21.949	-9.7	93	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	22.243	-11.2	90	0.00
50 M	1,1,2-Trichloroethane	20.000	25.413	-27.1#	104	0.00
51	Ethyl methacrylate	20.000	23.096	-15.5	99	0.00
52	1,3-Dichloropropane	20.000	24.245	-21.2	99	0.00
53 M	Dibromochloromethane	20.000	24.284	-21.4	101	0.00
54 M	1,2-Dibromoethane	20.000	24.370	-21.9	101	0.00
55 M	2-Chloroethyl vinyl ether	100.000	109.818	-9.8	94	0.00
56 M	Bromoform	20.000	23.941	-19.7	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	81	0.00
58 M	4-Methyl-2-Pentanone	100.000	137.354	-37.4#	111	0.00
59 M	2-Hexanone	100.000	129.836	-29.8#	109	0.00
60 S	4-Bromofluorobenzene	30.000	28.857	3.8	80	0.00
61 M	Tetrachloroethene	20.000	20.489	-2.4	79	0.00
62 M	Toluene	20.000	20.540	-2.7	81	0.00
63 S	Toluene-d8	30.000	29.723	0.9	79	0.00
64 M	Chlorobenzene	20.000	20.479	-2.4	83	0.00
65	1,1,1,2-Tetrachloroethane	20.000	22.294	-11.5	90	0.00
66 M	Ethyl Benzene	20.000	19.187	4.1	77	0.00
67 M	m/p-Xylenes	40.000	37.729	5.7	75	0.00
68 M	o-Xylene	20.000	19.964	0.2	82	0.00
69 M	Styrene	20.000	19.289	3.6	80	0.00
70	Isopropylbenzene	20.000	18.188	9.1	73	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	26.459	-32.3#	108	0.00
72	1,2,3-Trichloropropane	20.000	18.773	6.1	84	0.00
73	Bromobenzene	20.000	20.706	-3.5	85	0.00
74	n-propylbenzene	20.000	18.232	8.8	73	0.00
75	2-Chlorotoluene	20.000	18.365	8.2	75	0.00
76	1,3,5-Trimethylbenzene	20.000	18.868	5.7	76	0.00
77	t-1,4-Dichloro-2-butene	20.000	23.485	-17.4	102	0.00
78	4-Chlorotoluene	20.000	18.194	9.0	74	0.00
79	tert-butylbenzene	20.000	18.122	9.4	74	0.00
80	1,2,4-Trimethylbenzene	20.000	18.718	6.4	77	0.00
81	sec-Butylbenzene	20.000	17.917	10.4	71	0.00
82	p-Isopropyltoluene	20.000	18.113	9.4	72	0.00
83 M	1,3-Dichlorobenzene	20.000	19.566	2.2	78	0.00
84 M	1,4-Dichlorobenzene	20.000	20.564	-2.8	84	0.00
85	n-Butylbenzene	20.000	17.424	12.9	68	0.00
86 T	Hexachloroethane	20.000	18.503	7.5	76	0.00
87 M	1,2-Dichlorobenzene	20.000	21.071	-5.4	85	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	24.417	-22.1	104	0.00
89	1,2,4-Trichlorobenzene	20.000	20.601	-3.0	86	0.00
90	Hexachlorobutadiene	20.000	18.736	6.3	74	0.00
91 M	Naphthalene	20.000	21.554	-7.8	91	0.00
92	1,2,3-Trichlorobenzene	20.000	20.601	-3.0	86	0.00

(#) = Out of Range

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