

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
 Data File : VN087869.D
 Acq On : 17 Sep 2025 09:42
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 18 03:06:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 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	122	0.00
2 M	Dichlorodifluoromethane	20.000	19.663	1.7	128	0.00
3 M	Chloromethane	20.000	15.195	24.0	101	0.00
4 M	Vinyl Chloride	20.000	15.293	23.5	103	0.00
5 M	Bromomethane	20.000	14.205	29.0#	101	0.00
6 M	Chloroethane	20.000	14.235	28.8#	97	0.00
7 M	Trichlorofluoromethane	20.000	16.695	16.5	114	0.00
8 T	Diethyl Ether	20.000	14.668	26.7#	105	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.723	11.4	119	0.00
10 M	1,1-Dichloroethene	20.000	16.247	18.8	114	0.00
11	Methyl Iodide	20.000	12.324	38.4#	103	0.00
12	Methyl Acetate	20.000	19.337	3.3	129	0.00
13 M	Acrolein	100.000	116.214	-16.2	163	0.00
14 M	Acrylonitrile	100.000	90.687	9.3	126	0.00
15 M	Acetone	100.000	84.010	16.0	120	0.00
16 M	Carbon Disulfide	20.000	16.674	16.6	116	0.00
17	Allyl chloride	20.000	17.278	13.6	123	0.00
18 M	Methylene Chloride	20.000	18.580	7.1	132	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.909	10.5	122	-0.01
20 T	Diisopropyl ether	20.000	17.926	10.4	125	0.00
21 M	1,1-Dichloroethane	20.000	18.283	8.6	127	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.692	6.5	128	0.00
23 M	tert-Butyl Alcohol	100.000	92.244	7.8	125	-0.01
24 M	Methyl tert-Butyl Ether	20.000	19.098	4.5	136	0.00
25 M	Chloroform	20.000	18.683	6.6	127	0.00
26	Cyclohexane	20.000	18.551	7.2	131	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.406	2.0	122	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	133	0.00
29	1,1-Dichloropropene	20.000	17.828	10.9	129	0.00
30 M	2-Butanone	100.000	88.150	11.8	130	0.00
31	2,2-Dichloropropane	20.000	20.675	-3.4	163	0.00
32 M	1,1,1-Trichloroethane	20.000	18.918	5.4	134	0.00
33 M	Carbon Tetrachloride	20.000	18.801	6.0	139	0.00
34 M	Benzene	20.000	17.628	11.9	128	0.00
35	Methacrylonitrile	20.000	17.244	13.8	117	0.00
36 M	1,2-Dichloroethane	20.000	17.869	10.7	128	0.00
37 M	Trichloroethene	20.000	19.090	4.6	139	0.00
38	Methylcyclohexane	20.000	18.550	7.2	139	0.00
39 M	1,2-Dichloropropane	20.000	17.494	12.5	126	0.00
40	Dibromomethane	20.000	17.772	11.1	129	0.00
41 M	Bromodichloromethane	20.000	17.689	11.6	127	0.00
42 M	Vinyl Acetate	100.000	82.808	17.2	124	0.00
43	Ethyl Acetate	20.000	17.221	13.9	122	0.00
44	Isopropyl Acetate	20.000	17.138	14.3	124	0.00
45 T	1,4-Dioxane	400.000	354.558	11.4	121	0.00
46	Methyl methacrylate	20.000	16.814	15.9	125	0.00
47	n-amyl Acetate	20.000	15.176	24.1	142	-0.05
48 M	t-1,3-Dichloropropene	20.000	17.051	14.7	130	0.00

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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)
49 T	cis-1,3-Dichloropropene	20.000	17.874	10.6	137	0.00
50 M	1,1,2-Trichloroethane	20.000	18.631	6.8	136	0.00
51	Ethyl methacrylate	20.000	16.987	15.1	133	0.00
52	1,3-Dichloropropane	20.000	17.456	12.7	126	0.00
53 M	Dibromochloromethane	20.000	18.558	7.2	146	0.00
54 M	1,2-Dibromoethane	20.000	18.087	9.6	134	0.00
55 M	2-Chloroethyl vinyl ether	100.000	89.490	10.5	129	0.00
56 M	Bromoform	20.000	18.693	6.5	146	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	131	0.00
58 M	4-Methyl-2-Pentanone	100.000	89.532	10.5	127	0.00
59 M	2-Hexanone	100.000	88.377	11.6	128	0.00
60 S	4-Bromofluorobenzene	30.000	29.761	0.8	128	0.00
61 M	Tetrachloroethene	20.000	19.754	1.2	138	0.00
62 M	Toluene	20.000	18.296	8.5	130	0.00
63 S	Toluene-d8	30.000	28.879	3.7	124	0.00
64 M	Chlorobenzene	20.000	18.713	6.4	135	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.239	3.8	139	0.00
66 M	Ethyl Benzene	20.000	18.600	7.0	136	0.00
67 M	m/p-Xylenes	40.000	37.305	6.7	138	0.00
68 M	o-Xylene	20.000	18.241	8.8	131	0.00
69 M	Styrene	20.000	18.095	9.5	134	0.00
70	Isopropylbenzene	20.000	19.093	4.5	143	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.614	6.9	129	0.00
72	1,2,3-Trichloropropane	20.000	17.804	11.0	115	0.00
73	Bromobenzene	20.000	18.889	5.6	137	0.00
74	n-propylbenzene	20.000	18.990	5.1	139	0.00
75	2-Chlorotoluene	20.000	18.796	6.0	134	0.00
76	1,3,5-Trimethylbenzene	20.000	19.162	4.2	140	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.585	7.1	142	0.00
78	4-Chlorotoluene	20.000	18.179	9.1	129	0.00
79	tert-butylbenzene	20.000	19.953	0.2	145	0.00
80	1,2,4-Trimethylbenzene	20.000	18.815	5.9	135	0.00
81	sec-Butylbenzene	20.000	20.100	-0.5	145	0.00
82	p-Isopropyltoluene	20.000	20.299	-1.5	149	0.00
83 M	1,3-Dichlorobenzene	20.000	19.657	1.7	137	0.00
84 M	1,4-Dichlorobenzene	20.000	20.261	-1.3	144	0.00
85	n-Butylbenzene	20.000	19.849	0.8	149	0.00
86 T	Hexachloroethane	20.000	20.013	-0.1	142	0.00
87 M	1,2-Dichlorobenzene	20.000	20.507	-2.5	145	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.468	7.7	124	0.00
89	1,2,4-Trichlorobenzene	20.000	20.244	-1.2	149	0.00
90	Hexachlorobutadiene	20.000	22.803	-14.0	155	0.00
91 M	Naphthalene	20.000	18.665	6.7	141	0.00
92	1,2,3-Trichlorobenzene	20.000	20.244	-1.2	149	0.00

(#) = Out of Range

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