

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066688.D
 Acq On : 20 Apr 2021 18:01
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 21 10:10:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:52:17 2021
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	105	0.00
2 M	Dichlorodifluoromethane	20.000	17.566	12.2	98	0.00
3 M	Chloromethane	20.000	17.991	10.0	99	0.00
4 M	Vinyl Chloride	20.000	18.013	9.9	102	0.00
5 M	Bromomethane	20.000	18.550	7.2	101	-0.02
6 M	Chloroethane	20.000	17.597	12.0	98	-0.01
7 M	Trichlorofluoromethane	20.000	18.301	8.5	104	0.00
8 T	Diethyl Ether	20.000	18.303	8.5	106	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.171	9.1	104	0.00
10 M	1,1-Dichloroethene	20.000	18.577	7.1	108	0.00
11	Methyl Iodide	20.000	18.669	6.7	108	0.00
12	Methyl Acetate	20.000	17.564	12.2	97	0.00
13 M	Acrolein	100.000	92.485	7.5	102	0.00
14 M	Acrylonitrile	100.000	84.309	15.7	95	0.00
15 M	Acetone	100.000	80.495	19.5	88	0.00
16 M	Carbon Disulfide	20.000	17.528	12.4	101	0.00
17	Allyl chloride	20.000	18.501	7.5	106	0.00
18 M	Methylene Chloride	20.000	19.028	4.9	108	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.978	10.1	103	0.00
20 T	Diisopropyl ether	20.000	18.671	6.6	108	0.00
21 M	1,1-Dichloroethane	20.000	18.453	7.7	107	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.629	6.9	108	0.00
23 M	tert-Butyl Alcohol	100.000	73.369	26.6	83	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.418	7.9	108	0.00
25 M	Chloroform	20.000	18.447	7.8	105	0.00
26	Cyclohexane	20.000	17.977	10.1	108	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.016	-0.1	103	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	108	0.00
29	1,1-Dichloropropene	20.000	17.698	11.5	107	0.00
30 M	2-Butanone	100.000	79.546	20.5	92	0.00
31	2,2-Dichloropropane	20.000	17.636	11.8	104	0.00
32 M	1,1,1-Trichloroethane	20.000	18.018	9.9	106	0.00
33 M	Carbon Tetrachloride	20.000	17.859	10.7	106	0.00
34 M	Benzene	20.000	18.143	9.3	107	0.00
35	Methacrylonitrile	20.000	18.075	9.6	103	0.00
36 M	1,2-Dichloroethane	20.000	17.739	11.3	102	0.00
37 M	Trichloroethene	20.000	17.671	11.6	107	0.00
38	Methylcyclohexane	20.000	17.255	13.7	109	0.00
39 M	1,2-Dichloropropane	20.000	18.228	8.9	106	0.00
40	Dibromomethane	20.000	18.038	9.8	105	0.00
41 M	Bromodichloromethane	20.000	17.893	10.5	104	0.00
42 M	Vinyl Acetate	100.000	87.659	12.3	104	0.00
43	Ethyl Acetate	20.000	16.182	19.1	93	0.00
44	Isopropyl Acetate	20.000	16.960	15.2	101	0.00
45 T	1,4-Dioxane	400.000	235.174	41.2#	65	0.00
46	Methyl methacrylate	20.000	16.568	17.2	100	0.00
47	n-amyl Acetate	20.000	21.388	-6.9	65	0.00
48 M	t-1,3-Dichloropropene	20.000	16.804	16.0	102	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.638	11.8	107	0.00
50 M	1,1,2-Trichloroethane	20.000	18.001	10.0	104	0.00
51	Ethyl methacrylate	20.000	16.666	16.7	105	0.00
52	1,3-Dichloropropane	20.000	17.639	11.8	104	0.00
53 M	Dibromochloromethane	20.000	17.453	12.7	102	0.00
54 M	1,2-Dibromoethane	20.000	17.283	13.6	101	0.00
55 M	2-Chloroethyl vinyl ether	100.000	85.972	14.0	114	0.00
56 M	Bromoform	20.000	16.133	19.3	95	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	100.000	85.421	14.6	94	0.00
59 M	2-Hexanone	100.000	78.139	21.9	89	0.00
60 S	4-Bromofluorobenzene	30.000	28.962	3.5	104	0.00
61 M	Tetrachloroethene	20.000	18.435	7.8	104	0.00
62 M	Toluene	20.000	18.445	7.8	105	0.00
63 S	Toluene-d8	30.000	30.570	-1.9	105	0.00
64 M	Chlorobenzene	20.000	18.247	8.8	104	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.483	7.6	106	0.00
66 M	Ethyl Benzene	20.000	17.972	10.1	106	0.00
67 M	m/p-Xylenes	40.000	35.809	10.5	104	0.00
68 M	o-Xylene	20.000	18.125	9.4	106	0.00
69 M	Styrene	20.000	17.463	12.7	106	0.00
70	Isopropylbenzene	20.000	18.135	9.3	106	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.074	9.6	96	0.00
72	1,2,3-Trichloropropane	20.000	17.874	10.6	104	0.00
73	Bromobenzene	20.000	17.736	11.3	104	0.00
74	n-propylbenzene	20.000	17.340	13.3	104	0.00
75	2-Chlorotoluene	20.000	18.378	8.1	106	0.00
76	1,3,5-Trimethylbenzene	20.000	17.756	11.2	103	0.00
77	t-1,4-Dichloro-2-butene	20.000	14.271	28.6	95	0.00
78	4-Chlorotoluene	20.000	17.417	12.9	106	0.00
79	tert-butylbenzene	20.000	17.673	11.6	105	0.00
80	1,2,4-Trimethylbenzene	20.000	17.579	12.1	107	0.00
81	sec-Butylbenzene	20.000	17.382	13.1	105	0.00
82	p-Isopropyltoluene	20.000	17.543	12.3	110	0.00
83 M	1,3-Dichlorobenzene	20.000	17.094	14.5	104	0.00
84 M	1,4-Dichlorobenzene	20.000	16.952	15.2	103	0.00
85	n-Butylbenzene	20.000	16.616	16.9	113	0.00
86 T	Hexachloroethane	20.000	17.260	13.7	102	0.00
87 M	1,2-Dichlorobenzene	20.000	17.895	10.5	108	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.075	19.6	105	0.00
89	1,2,4-Trichlorobenzene	20.000	16.979	15.1	112	0.00
90	Hexachlorobutadiene	20.000	15.693	21.5	93	0.00
91 M	Naphthalene	20.000	16.060	19.7	102	0.00
92	1,2,3-Trichlorobenzene	20.000	16.617	16.9	105	0.00

(#) = Out of Range

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