

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077014.D
 Acq On : 16 Mar 2023 11:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 17 03:19:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 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	84	0.00
2 M	Dichlorodifluoromethane	20.000	19.595	2.0	90	0.00
3 M	Chloromethane	20.000	14.814	25.9#	70	0.00
4 M	Vinyl Chloride	20.000	16.928	15.4	79	0.00
5 M	Bromomethane	20.000	16.561	17.2	81	0.00
6 M	Chloroethane	20.000	19.849	0.8	95	0.00
7 M	Trichlorofluoromethane	20.000	20.262	-1.3	96	0.00
8 T	Diethyl Ether	20.000	21.586	-7.9	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.594	-3.0	96	0.00
10 M	1,1-Dichloroethene	20.000	19.912	0.4	94	0.00
11	Methyl Iodide	20.000	21.671	-8.4	102	0.00
12	Methyl Acetate	20.000	23.555	-17.8	111	0.00
13 M	Acrolein	100.000	122.894	-22.9	117	0.00
14 M	Acrylonitrile	100.000	112.135	-12.1	107	-0.01
15 M	Acetone	100.000	162.051	-62.1#	152	0.00
16 M	Carbon Disulfide	20.000	21.332	-6.7	101	0.00
17	Allyl chloride	20.000	24.099	-20.5	116	0.00
18 M	Methylene Chloride	20.000	21.058	-5.3	101	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.799	-4.0	99	0.00
20 T	Diisopropyl ether	20.000	24.008	-20.0	111	0.00
21 M	1,1-Dichloroethane	20.000	22.599	-13.0	108	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.875	-4.4	97	0.00
23 M	tert-Butyl Alcohol	100.000	118.377	-18.4	112	0.00
24 M	Methyl tert-Butyl Ether	20.000	22.004	-10.0	103	0.00
25 M	Chloroform	20.000	21.212	-6.1	102	0.00
26	Cyclohexane	20.000	21.937	-9.7	101	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.405	-8.0	89	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	82	0.00
29	1,1-Dichloropropene	20.000	21.290	-6.4	102	0.00
30 M	2-Butanone	100.000	132.173	-32.2#	127	0.00
31	2,2-Dichloropropane	20.000	23.018	-15.1	109	0.00
32 M	1,1,1-Trichloroethane	20.000	20.886	-4.4	99	0.00
33 M	Carbon Tetrachloride	20.000	20.371	-1.9	98	0.00
34 M	Benzene	20.000	21.312	-6.6	102	0.00
35	Methacrylonitrile	20.000	23.784	-18.9	116	0.00
36 M	1,2-Dichloroethane	20.000	22.273	-11.4	107	0.00
37 M	Trichloroethene	20.000	19.382	3.1	92	0.00
38	Methylcyclohexane	20.000	20.799	-4.0	98	0.00
39 M	1,2-Dichloropropane	20.000	22.040	-10.2	103	0.00
40	Dibromomethane	20.000	21.207	-6.0	100	0.00
41 M	Bromodichloromethane	20.000	21.487	-7.4	102	0.00
42 M	Vinyl Acetate	100.000	119.672	-19.7	114	0.00
43	Ethyl Acetate	20.000	22.438	-12.2	106	0.00
44	Isopropyl Acetate	20.000	23.013	-15.1	109	0.00
45 T	1,4-Dioxane	400.000	442.443	-10.6	104	0.00
46	Methyl methacrylate	20.000	23.318	-16.6	109	0.00
47	n-amyl Acetate	20.000	23.871	-19.4	117	0.00
48 M	t-1,3-Dichloropropene	20.000	21.968	-9.8	107	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.900	-9.5	105	0.00
50 M	1,1,2-Trichloroethane	20.000	20.518	-2.6	100	0.00
51	Ethyl methacrylate	20.000	21.163	-5.8	101	0.00
52	1,3-Dichloropropane	20.000	21.305	-6.5	102	0.00
53 M	Dibromochloromethane	20.000	20.888	-4.4	100	0.00
54 M	1,2-Dibromoethane	20.000	20.695	-3.5	99	0.00
55 M	2-Chloroethyl vinyl ether	100.000	132.819	-32.8#	125	0.00
56 M	Bromoform	20.000	20.027	-0.1	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	100.000	114.167	-14.2	109	0.00
59 M	2-Hexanone	100.000	122.805	-22.8	116	0.00
60 S	4-Bromofluorobenzene	30.000	30.046	-0.2	85	0.00
61 M	Tetrachloroethene	20.000	15.486	22.6	75	0.00
62 M	Toluene	20.000	21.141	-5.7	101	0.00
63 S	Toluene-d8	30.000	30.546	-1.8	84	0.00
64 M	Chlorobenzene	20.000	20.494	-2.5	98	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.400	-2.0	99	0.00
66 M	Ethyl Benzene	20.000	21.015	-5.1	101	0.00
67 M	m/p-Xylenes	40.000	42.193	-5.5	99	0.00
68 M	o-Xylene	20.000	20.828	-4.1	99	0.00
69 M	Styrene	20.000	20.934	-4.7	98	0.00
70	Isopropylbenzene	20.000	20.956	-4.8	99	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	22.176	-10.9	107	0.00
72	1,2,3-Trichloropropane	20.000	21.480	-7.4	106	0.00
73	Bromobenzene	20.000	19.915	0.4	97	0.00
74	n-propylbenzene	20.000	20.962	-4.8	99	0.00
75	2-Chlorotoluene	20.000	20.931	-4.7	100	0.00
76	1,3,5-Trimethylbenzene	20.000	20.693	-3.5	98	0.00
77	t-1,4-Dichloro-2-butene	20.000	23.458	-17.3	112	0.00
78	4-Chlorotoluene	20.000	20.776	-3.9	100	0.00
79	tert-butylbenzene	20.000	20.406	-2.0	98	0.00
80	1,2,4-Trimethylbenzene	20.000	20.926	-4.6	98	0.00
81	sec-Butylbenzene	20.000	20.576	-2.9	97	0.00
82	p-Isopropyltoluene	20.000	20.696	-3.5	96	0.00
83 M	1,3-Dichlorobenzene	20.000	20.394	-2.0	98	0.00
84 M	1,4-Dichlorobenzene	20.000	19.879	0.6	96	0.00
85	n-Butylbenzene	20.000	20.919	-4.6	101	0.00
86 T	Hexachloroethane	20.000	21.532	-7.7	105	0.00
87 M	1,2-Dichlorobenzene	20.000	20.314	-1.6	96	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.343	-6.7	106	0.00
89	1,2,4-Trichlorobenzene	20.000	18.465	7.7	90	0.00
90	Hexachlorobutadiene	20.000	18.168	9.2	88	0.00
91 M	Naphthalene	20.000	19.065	4.7	92	0.00
92	1,2,3-Trichlorobenzene	20.000	18.543	7.3	88	0.00

(#) = Out of Range

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