

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077023.D
 Acq On : 16 Mar 2023 16:46
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 17 03:24:41 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	75	0.00
2 M	Dichlorodifluoromethane	20.000	17.210	13.9	70	0.00
3 M	Chloromethane	20.000	15.663	21.7	66	0.00
4 M	Vinyl Chloride	20.000	19.000	5.0	79	0.00
5 M	Bromomethane	20.000	19.238	3.8	83	0.00
6 M	Chloroethane	20.000	19.186	4.1	81	0.00
7 M	Trichlorofluoromethane	20.000	21.711	-8.6	91	0.00
8 T	Diethyl Ether	20.000	22.158	-10.8	94	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.107	-10.5	92	0.00
10 M	1,1-Dichloroethene	20.000	21.680	-8.4	90	0.00
11	Methyl Iodide	20.000	22.711	-13.6	95	0.00
12	Methyl Acetate	20.000	24.771	-23.9	103	0.00
13 M	Acrolein	100.000	98.079	1.9	83	0.00
14 M	Acrylonitrile	100.000	118.476	-18.5	100	-0.01
15 M	Acetone	100.000	113.228	-13.2	94	0.00
16 M	Carbon Disulfide	20.000	22.329	-11.6	94	0.00
17	Allyl chloride	20.000	24.886	-24.4	106	0.00
18 M	Methylene Chloride	20.000	21.804	-9.0	93	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.138	-10.7	94	0.00
20 T	Diisopropyl ether	20.000	25.210	-26.1#	103	-0.01
21 M	1,1-Dichloroethane	20.000	23.878	-19.4	101	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.456	-12.3	92	0.00
23 M	tert-Butyl Alcohol	100.000	122.316	-22.3	103	0.00
24 M	Methyl tert-Butyl Ether	20.000	23.291	-16.5	97	0.00
25 M	Chloroform	20.000	22.606	-13.0	96	0.00
26	Cyclohexane	20.000	22.879	-14.4	94	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.532	-8.4	79	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	76	0.00
29	1,1-Dichloropropene	20.000	21.765	-8.8	97	0.00
30 M	2-Butanone	100.000	115.906	-15.9	102	0.00
31	2,2-Dichloropropane	20.000	22.814	-14.1	100	0.00
32 M	1,1,1-Trichloroethane	20.000	21.375	-6.9	94	0.00
33 M	Carbon Tetrachloride	20.000	20.388	-1.9	91	0.00
34 M	Benzene	20.000	21.401	-7.0	95	0.00
35	Methacrylonitrile	20.000	18.529	7.4	84	0.00
36 M	1,2-Dichloroethane	20.000	22.308	-11.5	99	0.00
37 M	Trichloroethene	20.000	19.145	4.3	84	0.00
38	Methylcyclohexane	20.000	20.773	-3.9	91	0.00
39 M	1,2-Dichloropropane	20.000	22.087	-10.4	95	0.00
40	Dibromomethane	20.000	21.504	-7.5	94	0.00
41 M	Bromodichloromethane	20.000	21.606	-8.0	94	0.00
42 M	Vinyl Acetate	100.000	120.889	-20.9	107	0.00
43	Ethyl Acetate	20.000	25.290	-26.4#	111	0.00
44	Isopropyl Acetate	20.000	28.786	-43.9#	126	0.00
45 T	1,4-Dioxane	400.000	456.822	-14.2	99	0.00
46	Methyl methacrylate	20.000	23.295	-16.5	101	0.00
47	n-amyl Acetate	20.000	23.953	-19.8	108	0.00
48 M	t-1,3-Dichloropropene	20.000	22.337	-11.7	100	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	22.439	-12.2	99	0.00
50 M	1,1,2-Trichloroethane	20.000	21.031	-5.2	94	0.00
51	Ethyl methacrylate	20.000	21.291	-6.5	93	0.00
52	1,3-Dichloropropane	20.000	21.653	-8.3	95	0.00
53 M	Dibromochloromethane	20.000	20.542	-2.7	91	0.00
54 M	1,2-Dibromoethane	20.000	20.961	-4.8	93	0.00
55 M	2-Chloroethyl vinyl ether	100.000	144.379	-44.4#	125	0.00
56 M	Bromoform	20.000	19.856	0.7	88	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	76	0.00
58 M	4-Methyl-2-Pentanone	100.000	118.925	-18.9	101	0.00
59 M	2-Hexanone	100.000	121.329	-21.3	102	0.00
60 S	4-Bromofluorobenzene	30.000	30.080	-0.3	76	0.00
61 M	Tetrachloroethene	20.000	16.735	16.3	72	0.00
62 M	Toluene	20.000	21.581	-7.9	92	0.00
63 S	Toluene-d8	30.000	30.841	-2.8	76	0.00
64 M	Chlorobenzene	20.000	21.361	-6.8	91	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.307	-6.5	93	0.00
66 M	Ethyl Benzene	20.000	21.762	-8.8	93	0.00
67 M	m/p-Xylenes	40.000	44.097	-10.2	92	0.00
68 M	o-Xylene	20.000	22.036	-10.2	93	0.00
69 M	Styrene	20.000	21.703	-8.5	91	0.00
70	Isopropylbenzene	20.000	22.041	-10.2	93	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	23.183	-15.9	99	0.00
72	1,2,3-Trichloropropane	20.000	19.240	3.8	84	0.00
73	Bromobenzene	20.000	20.718	-3.6	90	0.00
74	n-propylbenzene	20.000	22.116	-10.6	93	0.00
75	2-Chlorotoluene	20.000	21.682	-8.4	92	0.00
76	1,3,5-Trimethylbenzene	20.000	21.867	-9.3	92	0.00
77	t-1,4-Dichloro-2-butene	20.000	24.586	-22.9	104	0.00
78	4-Chlorotoluene	20.000	21.666	-8.3	93	0.00
79	tert-butylbenzene	20.000	21.166	-5.8	90	0.00
80	1,2,4-Trimethylbenzene	20.000	21.612	-8.1	90	0.00
81	sec-Butylbenzene	20.000	22.109	-10.5	92	0.00
82	p-Isopropyltoluene	20.000	21.738	-8.7	90	0.00
83 M	1,3-Dichlorobenzene	20.000	21.349	-6.7	91	0.00
84 M	1,4-Dichlorobenzene	20.000	21.107	-5.5	90	0.00
85	n-Butylbenzene	20.000	21.768	-8.8	93	0.00
86 T	Hexachloroethane	20.000	22.554	-12.8	98	0.00
87 M	1,2-Dichlorobenzene	20.000	20.989	-4.9	89	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.723	-8.6	96	0.00
89	1,2,4-Trichlorobenzene	20.000	19.663	1.7	86	0.00
90	Hexachlorobutadiene	20.000	19.353	3.2	83	0.00
91 M	Naphthalene	20.000	20.331	-1.7	87	0.00
92	1,2,3-Trichlorobenzene	20.000	19.587	2.1	83	0.00

(#) = Out of Range

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