

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
 Data File : VN078812.D
 Acq On : 09 Aug 2023 11:19
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 10 05:21:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 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	96	0.00
2 M	Dichlorodifluoromethane	20.000	21.084	-5.4	96	0.00
3 M	Chloromethane	20.000	20.586	-2.9	94	0.00
4 M	Vinyl Chloride	20.000	20.040	-0.2	95	0.00
5 M	Bromomethane	20.000	19.229	3.9	90	0.00
6 M	Chloroethane	20.000	18.241	8.8	86	0.00
7 M	Trichlorofluoromethane	20.000	20.523	-2.6	92	0.00
8 T	Diethyl Ether	20.000	19.330	3.4	89	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.488	-7.4	96	0.00
10 M	1,1-Dichloroethene	20.000	20.001	-0.0	92	0.00
11	Methyl Iodide	20.000	19.744	1.3	90	0.00
12	Methyl Acetate	20.000	18.877	5.6	86	0.00
13 M	Acrolein	100.000	79.984	20.0	79	0.00
14 M	Acrylonitrile	100.000	97.986	2.0	88	0.00
15 M	Acetone	100.000	100.969	-1.0	92	0.01
16 M	Carbon Disulfide	20.000	20.571	-2.9	93	0.00
17	Allyl chloride	20.000	19.572	2.1	98	0.00
18 M	Methylene Chloride	20.000	20.549	-2.7	94	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.102	4.5	89	0.00
20 T	Diisopropyl ether	20.000	21.063	-5.3	97	0.00
21 M	1,1-Dichloroethane	20.000	20.792	-4.0	96	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.465	-2.3	92	0.00
23 M	tert-Butyl Alcohol	100.000	91.031	9.0	85	-0.01
24 M	Methyl tert-Butyl Ether	20.000	20.261	-1.3	93	0.00
25 M	Chloroform	20.000	21.140	-5.7	98	0.00
26	Cyclohexane	20.000	21.526	-7.6	103	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.725	-2.4	96	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	94	0.00
29	1,1-Dichloropropene	20.000	19.960	0.2	92	0.00
30 M	2-Butanone	100.000	95.734	4.3	90	0.00
31	2,2-Dichloropropane	20.000	20.887	-4.4	97	0.00
32 M	1,1,1-Trichloroethane	20.000	20.323	-1.6	98	-0.01
33 M	Carbon Tetrachloride	20.000	20.133	-0.7	93	0.00
34 M	Benzene	20.000	20.473	-2.4	97	0.00
35	Methacrylonitrile	20.000	17.956	10.2	85	0.00
36 M	1,2-Dichloroethane	20.000	20.673	-3.4	98	0.00
37 M	Trichloroethene	20.000	19.325	3.4	90	0.00
38	Methylcyclohexane	20.000	20.577	-2.9	94	0.00
39 M	1,2-Dichloropropane	20.000	20.532	-2.7	95	0.00
40	Dibromomethane	20.000	19.942	0.3	96	0.00
41 M	Bromodichloromethane	20.000	20.343	-1.7	93	0.00
42 M	Vinyl Acetate	100.000	100.252	-0.3	93	0.00
43	Ethyl Acetate	20.000	19.987	0.1	86	-0.01
44	Isopropyl Acetate	20.000	18.379	8.1	89	0.00
45 T	1,4-Dioxane	400.000	404.055	-1.0	88	0.00
46	Methyl methacrylate	20.000	19.761	1.2	93	0.00
47	n-amyl Acetate	20.000	19.572	2.1	89	0.00
48 M	t-1,3-Dichloropropene	20.000	19.850	0.7	92	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.677	-3.4	95	0.00
50 M	1,1,2-Trichloroethane	20.000	18.946	5.3	89	0.00
51	Ethyl methacrylate	20.000	19.483	2.6	93	0.00
52	1,3-Dichloropropane	20.000	20.399	-2.0	95	0.00
53 M	Dibromochloromethane	20.000	20.131	-0.7	97	0.00
54 M	1,2-Dibromoethane	20.000	20.319	-1.6	96	0.00
55 M	2-Chloroethyl vinyl ether	100.000	97.713	2.3	93	0.00
56 M	Bromoform	20.000	19.427	2.9	91	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.594	1.4	91	0.00
59 M	2-Hexanone	100.000	96.777	3.2	89	0.00
60 S	4-Bromofluorobenzene	30.000	31.258	-4.2	96	0.00
61 M	Tetrachloroethene	20.000	22.295	-11.5	105	0.00
62 M	Toluene	20.000	21.052	-5.3	98	0.00
63 S	Toluene-d8	30.000	31.004	-3.3	97	0.00
64 M	Chlorobenzene	20.000	20.309	-1.5	95	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.784	-3.9	97	0.00
66 M	Ethyl Benzene	20.000	20.311	-1.6	92	0.00
67 M	m/p-Xylenes	40.000	42.847	-7.1	99	0.00
68 M	o-Xylene	20.000	20.758	-3.8	95	0.00
69 M	Styrene	20.000	21.000	-5.0	97	0.00
70	Isopropylbenzene	20.000	20.742	-3.7	96	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.368	-1.8	93	0.00
72	1,2,3-Trichloropropane	20.000	20.882	-4.4	101	0.00
73	Bromobenzene	20.000	20.053	-0.3	94	0.00
74	n-propylbenzene	20.000	20.737	-3.7	94	0.00
75	2-Chlorotoluene	20.000	20.600	-3.0	93	0.00
76	1,3,5-Trimethylbenzene	20.000	20.986	-4.9	94	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.354	3.2	87	0.00
78	4-Chlorotoluene	20.000	20.498	-2.5	92	0.00
79	tert-butylbenzene	20.000	20.373	-1.9	90	0.00
80	1,2,4-Trimethylbenzene	20.000	20.550	-2.8	92	0.00
81	sec-Butylbenzene	20.000	20.579	-2.9	92	0.00
82	p-Isopropyltoluene	20.000	20.177	-0.9	90	0.00
83 M	1,3-Dichlorobenzene	20.000	20.361	-1.8	90	0.00
84 M	1,4-Dichlorobenzene	20.000	20.907	-4.5	94	0.00
85	n-Butylbenzene	20.000	19.096	4.5	87	0.00
86 T	Hexachloroethane	20.000	21.163	-5.8	98	0.00
87 M	1,2-Dichlorobenzene	20.000	20.970	-4.8	93	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.259	8.7	85	0.00
89	1,2,4-Trichlorobenzene	20.000	16.264	18.7	72	0.00
90	Hexachlorobutadiene	20.000	18.746	6.3	83	0.00
91 M	Naphthalene	20.000	14.716	26.4#	66	0.00
92	1,2,3-Trichlorobenzene	20.000	16.209	19.0	72	0.00

(#) = Out of Range

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