

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079078.D
 Acq On : 28 Aug 2023 19:44
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 29 05:23:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	18.463	7.7	81	0.00
3 M	Chloromethane	20.000	18.366	8.2	80	0.00
4 M	Vinyl Chloride	20.000	19.111	4.4	83	0.00
5 M	Bromomethane	20.000	17.550	12.2	79	0.00
6 M	Chloroethane	20.000	20.522	-2.6	92	0.00
7 M	Trichlorofluoromethane	20.000	18.986	5.1	86	0.00
8 T	Diethyl Ether	20.000	18.137	9.3	79	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.140	-0.7	88	0.00
10 M	1,1-Dichloroethene	20.000	18.542	7.3	79	0.01
11	Methyl Iodide	20.000	19.778	1.1	86	0.00
12	Methyl Acetate	20.000	19.104	4.5	83	0.00
13 M	Acrolein	100.000	65.690	34.3#	60	0.00
14 M	Acrylonitrile	100.000	97.949	2.1	83	0.00
15 M	Acetone	100.000	79.280	20.7	71	0.00
16 M	Carbon Disulfide	20.000	17.643	11.8	76	0.00
17	Allyl chloride	20.000	15.882	20.6	70	0.00
18 M	Methylene Chloride	20.000	20.019	-0.1	87	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.506	7.5	83	0.00
20 T	Diisopropyl ether	20.000	19.391	3.0	83	0.00
21 M	1,1-Dichloroethane	20.000	19.903	0.5	86	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.584	2.1	82	0.00
23 M	tert-Butyl Alcohol	100.000	90.441	9.6	75	0.01
24 M	Methyl tert-Butyl Ether	20.000	19.026	4.9	80	0.00
25 M	Chloroform	20.000	19.804	1.0	87	0.00
26	Cyclohexane	20.000	19.499	2.5	84	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.455	1.8	86	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	85	0.00
29	1,1-Dichloropropene	20.000	19.885	0.6	81	0.00
30 M	2-Butanone	100.000	91.873	8.1	78	0.00
31	2,2-Dichloropropane	20.000	16.713	16.4	69	0.00
32 M	1,1,1-Trichloroethane	20.000	20.290	-1.4	85	0.00
33 M	Carbon Tetrachloride	20.000	20.630	-3.1	85	0.00
34 M	Benzene	20.000	20.007	-0.0	83	0.00
35	Methacrylonitrile	20.000	19.959	0.2	81	0.00
36 M	1,2-Dichloroethane	20.000	20.200	-1.0	86	0.00
37 M	Trichloroethene	20.000	19.162	4.2	82	0.00
38	Methylcyclohexane	20.000	20.930	-4.6	87	0.00
39 M	1,2-Dichloropropane	20.000	20.152	-0.8	86	0.00
40	Dibromomethane	20.000	20.593	-3.0	86	0.00
41 M	Bromodichloromethane	20.000	20.072	-0.4	83	0.00
42 M	Vinyl Acetate	100.000	99.399	0.6	81	0.00
43	Ethyl Acetate	20.000	20.700	-3.5	90	0.00
44	Isopropyl Acetate	20.000	19.891	0.5	82	0.00
45 T	1,4-Dioxane	400.000	411.502	-2.9	85	0.00
46	Methyl methacrylate	20.000	19.466	2.7	79	0.00
47	n-amyl Acetate	20.000	18.464	7.7	74	0.00
48 M	t-1,3-Dichloropropene	20.000	19.448	2.8	81	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.243	3.8	80	0.00
50 M	1,1,2-Trichloroethane	20.000	21.340	-6.7	87	0.00
51	Ethyl methacrylate	20.000	18.983	5.1	77	0.00
52	1,3-Dichloropropane	20.000	20.068	-0.3	84	0.00
53 M	Dibromochloromethane	20.000	19.301	3.5	83	0.00
54 M	1,2-Dibromoethane	20.000	19.502	2.5	81	0.00
55 M	2-Chloroethyl vinyl ether	100.000	76.374	23.6	68	0.00
56 M	Bromoform	20.000	19.222	3.9	81	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.504	1.5	83	0.00
59 M	2-Hexanone	100.000	94.514	5.5	79	0.00
60 S	4-Bromofluorobenzene	30.000	29.636	1.2	83	0.00
61 M	Tetrachloroethene	20.000	20.027	-0.1	84	0.00
62 M	Toluene	20.000	19.956	0.2	83	0.00
63 S	Toluene-d8	30.000	31.177	-3.9	88	0.00
64 M	Chlorobenzene	20.000	19.692	1.5	82	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.634	1.8	81	0.00
66 M	Ethyl Benzene	20.000	19.527	2.4	82	0.00
67 M	m/p-Xylenes	40.000	40.100	-0.3	83	0.00
68 M	o-Xylene	20.000	19.654	1.7	82	0.00
69 M	Styrene	20.000	19.616	1.9	80	0.00
70	Isopropylbenzene	20.000	20.268	-1.3	84	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.239	-1.2	85	0.00
72	1,2,3-Trichloropropane	20.000	19.736	1.3	85	0.00
73	Bromobenzene	20.000	20.214	-1.1	85	0.00
74	n-propylbenzene	20.000	20.912	-4.6	86	0.00
75	2-Chlorotoluene	20.000	20.776	-3.9	87	0.00
76	1,3,5-Trimethylbenzene	20.000	21.445	-7.2	89	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.641	16.8	70	0.00
78	4-Chlorotoluene	20.000	20.394	-2.0	85	0.00
79	tert-butylbenzene	20.000	22.129	-10.6	94	0.00
80	1,2,4-Trimethylbenzene	20.000	21.509	-7.5	88	0.00
81	sec-Butylbenzene	20.000	22.270	-11.3	91	0.00
82	p-Isopropyltoluene	20.000	21.723	-8.6	87	0.00
83 M	1,3-Dichlorobenzene	20.000	20.831	-4.2	89	0.00
84 M	1,4-Dichlorobenzene	20.000	19.509	2.5	79	0.00
85	n-Butylbenzene	20.000	20.676	-3.4	84	0.00
86 T	Hexachloroethane	20.000	22.012	-10.1	93	0.00
87 M	1,2-Dichlorobenzene	20.000	20.541	-2.7	84	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.692	6.5	74	0.00
89	1,2,4-Trichlorobenzene	20.000	19.626	1.9	77	0.00
90	Hexachlorobutadiene	20.000	22.198	-11.0	85	0.00
91 M	Naphthalene	20.000	16.425	17.9	64	0.00
92	1,2,3-Trichlorobenzene	20.000	19.626	1.9	77	0.00

(#) = Out of Range

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