

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035823.D
 Acq On : 23 May 2023 18:49
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 24 05:52:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 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	104	0.00
2 M	Dichlorodifluoromethane	20.000	16.407	18.0	133	0.00
3 M	Chloromethane	20.000	18.813	5.9	110	0.00
4 M	Vinyl Chloride	20.000	18.081	9.6	114	0.00
5 M	Bromomethane	20.000	17.472	12.6	99	0.00
6 M	Chloroethane	20.000	19.108	4.5	114	0.00
7 M	Trichlorofluoromethane	20.000	16.378	18.1	119	0.00
8 T	Diethyl Ether	20.000	19.995	0.0	110	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	17.084	14.6	134	0.00
10 M	1,1-Dichloroethene	20.000	18.543	7.3	115	0.00
11	Methyl Iodide	20.000	18.146	9.3	108	0.00
12	Methyl Acetate	20.000	21.610	-8.0	114	0.00
13 M	Acrolein	100.000	93.814	6.2	107	0.00
14 M	Acrylonitrile	100.000	101.722	-1.7	110	0.00
15 M	Acetone	100.000	94.267	5.7	98	0.00
16 M	Carbon Disulfide	20.000	16.092	19.5	108	0.00
17	Allyl chloride	20.000	19.321	3.4	113	0.00
18 M	Methylene Chloride	20.000	19.661	1.7	110	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.653	6.7	106	0.00
20 T	Diisopropyl ether	20.000	20.330	-1.6	112	0.00
21 M	1,1-Dichloroethane	20.000	19.630	1.9	111	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.612	1.9	111	0.00
23 M	tert-Butyl Alcohol	100.000	106.210	-6.2	112	0.01
24 M	Methyl tert-Butyl Ether	20.000	20.603	-3.0	114	0.00
25 M	Chloroform	20.000	19.523	2.4	112	0.00
26	Cyclohexane	20.000	16.617	16.9	128	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.366	2.1	104	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	103	0.00
29	1,1-Dichloropropene	20.000	18.815	5.9	113	0.00
30 M	2-Butanone	100.000	108.129	-8.1	109	0.00
31	2,2-Dichloropropane	20.000	18.390	8.0	107	0.00
32 M	1,1,1-Trichloroethane	20.000	19.237	3.8	113	0.00
33 M	Carbon Tetrachloride	20.000	18.004	10.0	111	0.00
34 M	Benzene	20.000	20.371	-1.9	108	0.00
35	Methacrylonitrile	20.000	21.282	-6.4	110	0.00
36 M	1,2-Dichloroethane	20.000	20.924	-4.6	109	0.00
37 M	Trichloroethene	20.000	19.875	0.6	109	0.00
38	Methylcyclohexane	20.000	16.722	16.4	131	0.00
39 M	1,2-Dichloropropane	20.000	20.622	-3.1	110	0.00
40	Dibromomethane	20.000	20.464	-2.3	107	0.00
41 M	Bromodichloromethane	20.000	19.691	1.5	106	0.00
42 M	Vinyl Acetate	100.000	106.488	-6.5	114	0.00
43	Ethyl Acetate	20.000	21.124	-5.6	113	0.00
44	Isopropyl Acetate	20.000	21.680	-8.4	115	0.00
45 T	1,4-Dioxane	400.000	425.977	-6.5	100	0.00
46	Methyl methacrylate	20.000	21.377	-6.9	115	0.00
47	n-amyl Acetate	20.000	21.288	-6.4	115	0.00
48 M	t-1,3-Dichloropropene	20.000	18.931	5.3	107	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.462	2.7	105	0.00
50 M	1,1,2-Trichloroethane	20.000	20.865	-4.3	109	0.00
51	Ethyl methacrylate	20.000	21.367	-6.8	116	0.00
52	1,3-Dichloropropane	20.000	20.911	-4.6	108	0.00
53 M	Dibromochloromethane	20.000	18.609	7.0	103	0.00
54 M	1,2-Dibromoethane	20.000	20.802	-4.0	108	0.00
55 M	2-Chloroethyl vinyl ether	100.000	116.973	-17.0	115	0.00
56 M	Bromoform	20.000	17.428	12.9	104	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	111.405	-11.4	112	0.00
59 M	2-Hexanone	100.000	110.260	-10.3	109	0.00
60 S	4-Bromofluorobenzene	30.000	29.862	0.5	102	0.00
61 M	Tetrachloroethene	20.000	20.801	-4.0	114	0.00
62 M	Toluene	20.000	20.258	-1.3	106	0.00
63 S	Toluene-d8	30.000	30.463	-1.5	103	0.00
64 M	Chlorobenzene	20.000	20.159	-0.8	105	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.651	1.7	106	0.00
66 M	Ethyl Benzene	20.000	19.746	1.3	107	0.00
67 M	m/p-Xylenes	40.000	39.782	0.5	106	0.00
68 M	o-Xylene	20.000	20.142	-0.7	105	0.00
69 M	Styrene	20.000	20.148	-0.7	106	0.00
70	Isopropylbenzene	20.000	19.161	4.2	105	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.408	-7.0	108	0.00
72	1,2,3-Trichloropropane	20.000	20.144	-0.7	107	0.00
73	Bromobenzene	20.000	19.722	1.4	103	0.00
74	n-propylbenzene	20.000	18.618	6.9	103	0.00
75	2-Chlorotoluene	20.000	19.691	1.5	106	0.00
76	1,3,5-Trimethylbenzene	20.000	19.217	3.9	104	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.007	15.0	103	0.00
78	4-Chlorotoluene	20.000	19.329	3.4	104	0.00
79	tert-butylbenzene	20.000	18.722	6.4	104	0.00
80	1,2,4-Trimethylbenzene	20.000	19.292	3.5	104	0.00
81	sec-Butylbenzene	20.000	17.926	10.4	104	0.00
82	p-Isopropyltoluene	20.000	18.254	8.7	105	0.00
83 M	1,3-Dichlorobenzene	20.000	19.140	4.3	102	0.00
84 M	1,4-Dichlorobenzene	20.000	19.701	1.5	104	0.00
85	n-Butylbenzene	20.000	16.813	15.9	103	0.00
86 T	Hexachloroethane	20.000	15.542	22.3	100	0.00
87 M	1,2-Dichlorobenzene	20.000	20.362	-1.8	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.063	-0.3	109	0.00
89	1,2,4-Trichlorobenzene	20.000	19.157	4.2	105	0.00
90	Hexachlorobutadiene	20.000	15.725	21.4	104	0.00
91 M	Naphthalene	20.000	21.867	-9.3	114	0.00
92	1,2,3-Trichlorobenzene	20.000	19.776	1.1	108	0.00

(#) = Out of Range

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