

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033655.D
 Acq On : 09 Jan 2023 10:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 10 00:44:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 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	19.190	4.0	81	0.00
3 M	Chloromethane	20.000	16.411	17.9	68	0.00
4 M	Vinyl Chloride	20.000	17.569	12.2	80	0.00
5 M	Bromomethane	20.000	20.251	-1.3	87	0.00
6 M	Chloroethane	20.000	18.305	8.5	81	0.00
7 M	Trichlorofluoromethane	20.000	20.303	-1.5	85	0.00
8 T	Diethyl Ether	20.000	18.974	5.1	90	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.607	-3.0	98	0.00
10 M	1,1-Dichloroethene	20.000	19.615	1.9	93	0.00
11	Methyl Iodide	20.000	21.163	-5.8	103	0.00
12	Methyl Acetate	20.000	22.481	-12.4	99	0.00
13 M	Acrolein	100.000	85.074	14.9	85	0.00
14 M	Acrylonitrile	100.000	110.512	-10.5	94	0.00
15 M	Acetone	100.000	114.599	-14.6	112	0.00
16 M	Carbon Disulfide	20.000	26.456	-32.3#	130	0.00
17	Allyl chloride	20.000	24.783	-23.9	108	0.00
18 M	Methylene Chloride	20.000	22.514	-12.6	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.415	-12.1	96	0.00
20 T	Diisopropyl ether	20.000	22.479	-12.4	94	-0.01
21 M	1,1-Dichloroethane	20.000	21.555	-7.8	93	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.121	-10.6	96	0.00
23 M	tert-Butyl Alcohol	100.000	100.170	-0.2	85	-0.02
24 M	Methyl tert-Butyl Ether	20.000	22.114	-10.6	93	0.00
25 M	Chloroform	20.000	22.319	-11.6	94	0.00
26	Cyclohexane	20.000	22.306	-11.5	96	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.737	-12.5	92	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	20.876	-4.4	95	0.00
30 M	2-Butanone	100.000	105.054	-5.1	95	0.00
31	2,2-Dichloropropane	20.000	24.309	-21.5	114	0.00
32 M	1,1,1-Trichloroethane	20.000	21.521	-7.6	99	0.00
33 M	Carbon Tetrachloride	20.000	22.668	-13.3	105	0.00
34 M	Benzene	20.000	20.762	-3.8	96	0.00
35	Methacrylonitrile	20.000	20.021	-0.1	91	-0.01
36 M	1,2-Dichloroethane	20.000	21.150	-5.7	94	0.00
37 M	Trichloroethene	20.000	20.234	-1.2	94	0.00
38	Methylcyclohexane	20.000	21.180	-5.9	98	0.00
39 M	1,2-Dichloropropane	20.000	20.617	-3.1	94	0.00
40	Dibromomethane	20.000	20.640	-3.2	94	0.00
41 M	Bromodichloromethane	20.000	22.353	-11.8	103	0.00
42 M	Vinyl Acetate	100.000	100.721	-0.7	91	0.00
43	Ethyl Acetate	20.000	19.597	2.0	85	0.00
44	Isopropyl Acetate	20.000	19.800	1.0	93	0.00
45 T	1,4-Dioxane	400.000	406.320	-1.6	89	0.00
46	Methyl methacrylate	20.000	20.002	-0.0	91	0.00
47	n-amyl Acetate	20.000	20.055	-0.3	92	0.00
48 M	t-1,3-Dichloropropene	20.000	22.090	-10.4	106	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.946	-9.7	105	0.00
50 M	1,1,2-Trichloroethane	20.000	20.342	-1.7	94	0.00
51	Ethyl methacrylate	20.000	19.959	0.2	92	0.00
52	1,3-Dichloropropane	20.000	20.208	-1.0	92	0.00
53 M	Dibromochloromethane	20.000	23.009	-15.0	111	0.00
54 M	1,2-Dibromoethane	20.000	20.893	-4.5	97	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.165	0.8	92	0.00
56 M	Bromoform	20.000	23.938	-19.7	114	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	100.000	105.321	-5.3	92	0.00
59 M	2-Hexanone	100.000	108.100	-8.1	95	0.00
60 S	4-Bromofluorobenzene	30.000	30.894	-3.0	92	0.00
61 M	Tetrachloroethene	20.000	20.735	-3.7	96	0.00
62 M	Toluene	20.000	21.071	-5.4	94	0.00
63 S	Toluene-d8	30.000	30.797	-2.7	91	0.00
64 M	Chlorobenzene	20.000	20.648	-3.2	94	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.861	-9.3	99	0.00
66 M	Ethyl Benzene	20.000	21.067	-5.3	95	0.00
67 M	m/p-Xylenes	40.000	42.506	-6.3	94	0.00
68 M	o-Xylene	20.000	20.991	-5.0	94	0.00
69 M	Styrene	20.000	21.195	-6.0	95	0.00
70	Isopropylbenzene	20.000	21.696	-8.5	96	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.828	-9.1	97	0.00
72	1,2,3-Trichloropropane	20.000	21.868	-9.3	97	0.00
73	Bromobenzene	20.000	20.756	-3.8	94	0.00
74	n-propylbenzene	20.000	21.917	-9.6	98	0.00
75	2-Chlorotoluene	20.000	21.687	-8.4	97	0.00
76	1,3,5-Trimethylbenzene	20.000	21.944	-9.7	98	0.00
77	t-1,4-Dichloro-2-butene	20.000	25.003	-25.0#	124	0.00
78	4-Chlorotoluene	20.000	21.946	-9.7	98	0.00
79	tert-butylbenzene	20.000	21.867	-9.3	97	0.00
80	1,2,4-Trimethylbenzene	20.000	21.823	-9.1	97	0.00
81	sec-Butylbenzene	20.000	21.941	-9.7	99	0.00
82	p-Isopropyltoluene	20.000	22.073	-10.4	99	0.00
83 M	1,3-Dichlorobenzene	20.000	21.322	-6.6	97	0.00
84 M	1,4-Dichlorobenzene	20.000	21.173	-5.9	96	0.00
85	n-Butylbenzene	20.000	22.518	-12.6	104	0.00
86 T	Hexachloroethane	20.000	25.861	-29.3#	125	0.00
87 M	1,2-Dichlorobenzene	20.000	21.490	-7.4	98	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.574	-7.9	99	0.00
89	1,2,4-Trichlorobenzene	20.000	21.170	-5.9	97	0.00
90	Hexachlorobutadiene	20.000	22.087	-10.4	103	0.00
91 M	Naphthalene	20.000	21.202	-6.0	95	0.00
92	1,2,3-Trichlorobenzene	20.000	21.102	-5.5	98	0.00

(#) = Out of Range

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