

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX011223\
 Data File : VX033701.D
 Acq On : 12 Jan 2023 10:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 12 23:54:30 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	99	0.00
2 M	Dichlorodifluoromethane	20.000	22.294	-11.5	106	0.00
3 M	Chloromethane	20.000	21.445	-7.2	100	0.00
4 M	Vinyl Chloride	20.000	21.822	-9.1	111	0.00
5 M	Bromomethane	20.000	23.898	-19.5	116	0.00
6 M	Chloroethane	20.000	22.938	-14.7	115	0.00
7 M	Trichlorofluoromethane	20.000	23.159	-15.8	109	0.00
8 T	Diethyl Ether	20.000	21.389	-6.9	114	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	28.274	-41.4#	151	0.00
10 M	1,1-Dichloroethene	20.000	28.456	-42.3#	152	0.00
11	Methyl Iodide	20.000	23.439	-17.2	129	0.00
12	Methyl Acetate	20.000	21.877	-9.4	109	0.00
13 M	Acrolein	100.000	122.251	-22.3	138	0.00
14 M	Acrylonitrile	100.000	108.926	-8.9	104	0.00
15 M	Acetone	100.000	180.805	-80.8#	198	0.00
16 M	Carbon Disulfide	20.000	24.951	-24.8	138	0.00
17	Allyl chloride	20.000	24.123	-20.6	118	0.00
18 M	Methylene Chloride	20.000	22.104	-10.5	111	0.00
19 M	trans-1,2-Dichloroethene	20.000	23.052	-15.3	112	0.00
20 T	Diisopropyl ether	20.000	21.938	-9.7	103	0.00
21 M	1,1-Dichloroethane	20.000	21.559	-7.8	105	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.208	-11.0	108	0.00
23 M	tert-Butyl Alcohol	100.000	107.827	-7.8	103	-0.03
24 M	Methyl tert-Butyl Ether	20.000	21.589	-7.9	103	0.00
25 M	Chloroform	20.000	21.614	-8.1	103	0.00
26	Cyclohexane	20.000	22.047	-10.2	107	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.883	0.4	92	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29	1,1-Dichloropropene	20.000	20.943	-4.7	105	0.00
30 M	2-Butanone	100.000	111.728	-11.7	111	0.00
31	2,2-Dichloropropane	20.000	23.090	-15.4	120	0.00
32 M	1,1,1-Trichloroethane	20.000	20.655	-3.3	105	0.00
33 M	Carbon Tetrachloride	20.000	20.588	-2.9	105	0.00
34 M	Benzene	20.000	21.366	-6.8	109	0.00
35	Methacrylonitrile	20.000	19.790	1.1	99	-0.01
36 M	1,2-Dichloroethane	20.000	20.197	-1.0	99	0.00
37 M	Trichloroethene	20.000	21.262	-6.3	109	0.00
38	Methylcyclohexane	20.000	21.736	-8.7	111	0.00
39 M	1,2-Dichloropropane	20.000	20.641	-3.2	103	0.00
40	Dibromomethane	20.000	20.676	-3.4	104	0.00
41 M	Bromodichloromethane	20.000	20.220	-1.1	102	0.00
42 M	Vinyl Acetate	100.000	102.715	-2.7	102	0.00
43	Ethyl Acetate	20.000	20.223	-1.1	97	0.00
44	Isopropyl Acetate	20.000	19.284	3.6	99	0.00
45 T	1,4-Dioxane	400.000	411.383	-2.8	99	0.00
46	Methyl methacrylate	20.000	20.009	-0.0	100	0.00
47	n-amyl Acetate	20.000	19.371	3.1	98	0.00
48 M	t-1,3-Dichloropropene	20.000	20.412	-2.1	108	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	20.913	-4.6	110	0.00
50 M	1,1,2-Trichloroethane	20.000	20.385	-1.9	104	0.00
51	Ethyl methacrylate	20.000	20.257	-1.3	103	0.00
52	1,3-Dichloropropane	20.000	20.914	-4.6	104	0.00
53 M	Dibromochloromethane	20.000	20.812	-4.1	110	0.00
54 M	1,2-Dibromoethane	20.000	20.292	-1.5	103	0.00
55 M	2-Chloroethyl vinyl ether	100.000	91.399	8.6	93	0.00
56 M	Bromoform	20.000	20.695	-3.5	109	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	100.000	104.136	-4.1	99	0.00
59 M	2-Hexanone	100.000	107.254	-7.3	103	0.00
60 S	4-Bromofluorobenzene	30.000	29.631	1.2	96	0.00
61 M	Tetrachloroethene	20.000	21.976	-9.9	111	0.00
62 M	Toluene	20.000	21.443	-7.2	105	0.00
63 S	Toluene-d8	30.000	30.177	-0.6	97	0.00
64 M	Chlorobenzene	20.000	21.778	-8.9	108	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.119	-5.6	104	0.00
66 M	Ethyl Benzene	20.000	21.559	-7.8	106	0.00
67 M	m/p-Xylenes	40.000	43.467	-8.7	105	0.00
68 M	o-Xylene	20.000	21.361	-6.8	104	0.00
69 M	Styrene	20.000	21.721	-8.6	106	0.00
70	Isopropylbenzene	20.000	21.999	-10.0	107	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.144	-5.7	102	0.00
72	1,2,3-Trichloropropane	20.000	18.367	8.2	89	0.00
73	Bromobenzene	20.000	21.869	-9.3	108	0.00
74	n-propylbenzene	20.000	21.998	-10.0	108	0.00
75	2-Chlorotoluene	20.000	21.516	-7.6	105	0.00
76	1,3,5-Trimethylbenzene	20.000	22.068	-10.3	107	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.516	-2.6	111	0.00
78	4-Chlorotoluene	20.000	21.890	-9.5	106	0.00
79	tert-butylbenzene	20.000	22.046	-10.2	107	0.00
80	1,2,4-Trimethylbenzene	20.000	21.965	-9.8	107	0.00
81	sec-Butylbenzene	20.000	22.106	-10.5	109	0.00
82	p-Isopropyltoluene	20.000	22.331	-11.7	110	0.00
83 M	1,3-Dichlorobenzene	20.000	21.948	-9.7	109	0.00
84 M	1,4-Dichlorobenzene	20.000	22.169	-10.8	110	0.00
85	n-Butylbenzene	20.000	22.308	-11.5	113	0.00
86 T	Hexachloroethane	20.000	21.431	-7.2	113	0.00
87 M	1,2-Dichlorobenzene	20.000	21.797	-9.0	109	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.819	0.9	99	0.00
89	1,2,4-Trichlorobenzene	20.000	22.286	-11.4	112	0.00
90	Hexachlorobutadiene	20.000	22.878	-14.4	117	0.00
91 M	Naphthalene	20.000	21.954	-9.8	108	0.00
92	1,2,3-Trichlorobenzene	20.000	22.244	-11.2	113	0.00

(#) = Out of Range

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