

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060123\
 Data File : VX035967.D
 Acq On : 01 Jun 2023 18:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 02 01:37:28 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	98	0.01
2 M	Dichlorodifluoromethane	20.000	17.650	11.8	134	0.00
3 M	Chloromethane	20.000	18.337	8.3	101	0.00
4 M	Vinyl Chloride	20.000	17.273	13.6	102	0.00
5 M	Bromomethane	20.000	14.575	27.1#	77	0.00
6 M	Chloroethane	20.000	17.851	10.7	100	0.00
7 M	Trichlorofluoromethane	20.000	15.980	20.1	110	0.00
8 T	Diethyl Ether	20.000	18.591	7.0	96	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	16.638	16.8	122	0.00
10 M	1,1-Dichloroethene	20.000	17.237	13.8	100	0.00
11	Methyl Iodide	20.000	11.979	40.1#	67	0.00
12	Methyl Acetate	20.000	21.943	-9.7	109	0.00
13 M	Acrolein	100.000	94.086	5.9	101	0.00
14 M	Acrylonitrile	100.000	107.784	-7.8	110	0.00
15 M	Acetone	100.000	95.765	4.2	93	0.00
16 M	Carbon Disulfide	20.000	16.809	16.0	107	0.00
17	Allyl chloride	20.000	19.815	0.9	109	0.00
18 M	Methylene Chloride	20.000	17.996	10.0	94	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.619	6.9	99	0.00
20 T	Diisopropyl ether	20.000	19.809	1.0	102	0.00
21 M	1,1-Dichloroethane	20.000	19.870	0.6	106	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.018	-0.1	107	0.00
23 M	tert-Butyl Alcohol	100.000	123.883	-23.9	123	-0.02
24 M	Methyl tert-Butyl Ether	20.000	21.043	-5.2	109	0.00
25 M	Chloroform	20.000	20.865	-4.3	113	0.00
26	Cyclohexane	20.000	15.688	21.6	114	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.541	-5.1	105	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	19.242	3.8	112	0.00
30 M	2-Butanone	100.000	110.970	-11.0	108	0.00
31	2,2-Dichloropropane	20.000	19.680	1.6	111	0.00
32 M	1,1,1-Trichloroethane	20.000	20.862	-4.3	119	0.00
33 M	Carbon Tetrachloride	20.000	20.002	-0.0	120	0.00
34 M	Benzene	20.000	20.443	-2.2	105	0.00
35	Methacrylonitrile	20.000	21.752	-8.8	109	0.00
36 M	1,2-Dichloroethane	20.000	21.905	-9.5	111	0.00
37 M	Trichloroethene	20.000	19.523	2.4	104	0.00
38	Methylcyclohexane	20.000	15.036	24.8	114	0.00
39 M	1,2-Dichloropropane	20.000	20.036	-0.2	103	0.00
40	Dibromomethane	20.000	20.777	-3.9	106	0.00
41 M	Bromodichloromethane	20.000	21.845	-9.2	114	0.00
42 M	Vinyl Acetate	100.000	103.814	-3.8	108	0.00
43	Ethyl Acetate	20.000	20.329	-1.6	105	0.00
44	Isopropyl Acetate	20.000	20.658	-3.3	107	0.00
45 T	1,4-Dioxane	400.000	467.829	-17.0	107	-0.04
46	Methyl methacrylate	20.000	21.280	-6.4	111	0.00
47	n-amyl Acetate	20.000	20.197	-1.0	106	0.00
48 M	t-1,3-Dichloropropene	20.000	19.493	2.5	107	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.918	0.4	104	0.00
50 M	1,1,2-Trichloroethane	20.000	21.106	-5.5	106	0.00
51	Ethyl methacrylate	20.000	20.672	-3.4	109	0.00
52	1,3-Dichloropropane	20.000	21.222	-6.1	106	0.00
53 M	Dibromochloromethane	20.000	21.642	-8.2	117	0.00
54 M	1,2-Dibromoethane	20.000	20.952	-4.8	106	0.00
55 M	2-Chloroethyl vinyl ether	100.000	94.405	5.6	90	0.00
56 M	Bromoform	20.000	21.100	-5.5	122	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	110.510	-10.5	111	0.00
59 M	2-Hexanone	100.000	109.876	-9.9	108	0.00
60 S	4-Bromofluorobenzene	30.000	31.751	-5.8	108	0.00
61 M	Tetrachloroethene	20.000	18.357	8.2	100	0.00
62 M	Toluene	20.000	20.102	-0.5	105	0.00
63 S	Toluene-d8	30.000	29.912	0.3	101	0.00
64 M	Chlorobenzene	20.000	19.803	1.0	103	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.042	-5.2	113	0.00
66 M	Ethyl Benzene	20.000	20.064	-0.3	109	0.00
67 M	m/p-Xylenes	40.000	40.572	-1.4	108	0.00
68 M	o-Xylene	20.000	20.518	-2.6	107	0.00
69 M	Styrene	20.000	20.698	-3.5	109	0.00
70	Isopropylbenzene	20.000	19.516	2.4	107	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.809	-9.0	110	0.00
72	1,2,3-Trichloropropane	20.000	20.754	-3.8	110	0.00
73	Bromobenzene	20.000	20.073	-0.4	105	0.00
74	n-propylbenzene	20.000	18.709	6.5	103	0.00
75	2-Chlorotoluene	20.000	20.668	-3.3	111	0.00
76	1,3,5-Trimethylbenzene	20.000	20.286	-1.4	110	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.136	9.3	109	0.00
78	4-Chlorotoluene	20.000	20.463	-2.3	110	0.00
79	tert-butylbenzene	20.000	19.822	0.9	110	0.00
80	1,2,4-Trimethylbenzene	20.000	20.347	-1.7	109	0.00
81	sec-Butylbenzene	20.000	17.601	12.0	102	0.00
82	p-Isopropyltoluene	20.000	18.431	7.8	105	0.00
83 M	1,3-Dichlorobenzene	20.000	19.386	3.1	103	0.00
84 M	1,4-Dichlorobenzene	20.000	19.892	0.5	105	0.00
85	n-Butylbenzene	20.000	16.410	17.9	101	0.00
86 T	Hexachloroethane	20.000	17.363	13.2	112	0.00
87 M	1,2-Dichlorobenzene	20.000	20.857	-4.3	106	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	23.305	-16.5	127	0.00
89	1,2,4-Trichlorobenzene	20.000	18.683	6.6	103	0.00
90	Hexachlorobutadiene	20.000	16.364	18.2	108	0.00
91 M	Naphthalene	20.000	20.570	-2.9	107	0.00
92	1,2,3-Trichlorobenzene	20.000	18.826	5.9	102	0.00

(#) = Out of Range

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