

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036706.D
 Acq On : 28 Jul 2023 16:08
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 28 16:34:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 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	85	0.00
2 M	Dichlorodifluoromethane	20.000	25.269	-26.3#	104	0.00
3 M	Chloromethane	20.000	16.235	18.8	72	0.00
4 M	Vinyl Chloride	20.000	16.934	15.3	71	0.00
5 M	Bromomethane	20.000	9.937	50.3#	43	-0.01
6 M	Chloroethane	20.000	14.938	25.3#	65	0.00
7 M	Trichlorofluoromethane	20.000	17.763	11.2	74	0.00
8 T	Diethyl Ether	20.000	15.259	23.7	74	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.438	-12.2	99	0.00
10 M	1,1-Dichloroethene	20.000	20.960	-4.8	93	0.00
11	Methyl Iodide	20.000	14.823	25.9#	76	0.00
12	Methyl Acetate	20.000	21.245	-6.2	99	0.00
13 M	Acrolein	100.000	95.474	4.5	98	0.00
14 M	Acrylonitrile	100.000	105.951	-6.0	99	0.00
15 M	Acetone	100.000	100.911	-0.9	93	0.00
16 M	Carbon Disulfide	20.000	23.019	-15.1	107	0.00
17	Allyl chloride	20.000	21.745	-8.7	102	0.00
18 M	Methylene Chloride	20.000	20.065	-0.3	96	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.402	-7.0	98	0.00
20 T	Diisopropyl ether	20.000	20.983	-4.9	98	0.00
21 M	1,1-Dichloroethane	20.000	20.584	-2.9	95	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.972	-4.9	96	-0.01
23 M	tert-Butyl Alcohol	100.000	127.889	-27.9#	123	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.747	-8.7	103	0.00
25 M	Chloroform	20.000	20.873	-4.4	96	0.00
26	Cyclohexane	20.000	23.289	-16.4	99	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.924	0.3	88	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	21.415	-7.1	98	0.00
30 M	2-Butanone	100.000	101.777	-1.8	98	0.00
31	2,2-Dichloropropane	20.000	23.005	-15.0	112	0.00
32 M	1,1,1-Trichloroethane	20.000	22.217	-11.1	103	-0.01
33 M	Carbon Tetrachloride	20.000	22.698	-13.5	107	0.00
34 M	Benzene	20.000	20.187	-0.9	96	0.00
35	Methacrylonitrile	20.000	20.304	-1.5	100	0.00
36 M	1,2-Dichloroethane	20.000	19.784	1.1	96	0.00
37 M	Trichloroethene	20.000	20.017	-0.1	95	0.00
38	Methylcyclohexane	20.000	23.107	-15.5	104	0.00
39 M	1,2-Dichloropropane	20.000	19.590	2.1	96	0.00
40	Dibromomethane	20.000	19.459	2.7	97	0.00
41 M	Bromodichloromethane	20.000	21.603	-8.0	108	0.00
42 M	Vinyl Acetate	100.000	102.915	-2.9	101	0.00
43	Ethyl Acetate	20.000	20.200	-1.0	100	0.00
44	Isopropyl Acetate	20.000	21.121	-5.6	103	0.00
45 T	1,4-Dioxane	400.000	381.607	4.6	94	-0.02
46	Methyl methacrylate	20.000	20.500	-2.5	103	0.00
47	n-amyl Acetate	20.000	21.022	-5.1	105	0.00
48 M	t-1,3-Dichloropropene	20.000	21.754	-8.8	111	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.426	-7.1	106	0.00
50 M	1,1,2-Trichloroethane	20.000	20.025	-0.1	96	0.00
51	Ethyl methacrylate	20.000	21.048	-5.2	103	0.00
52	1,3-Dichloropropane	20.000	20.246	-1.2	97	0.00
53 M	Dibromochloromethane	20.000	22.159	-10.8	111	0.00
54 M	1,2-Dibromoethane	20.000	20.542	-2.7	100	0.00
55 M	2-Chloroethyl vinyl ether	100.000	95.113	4.9	91	0.00
56 M	Bromoform	20.000	23.241	-16.2	120	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.014	1.0	96	0.00
59 M	2-Hexanone	100.000	99.074	0.9	97	0.00
60 S	4-Bromofluorobenzene	30.000	29.841	0.5	91	0.00
61 M	Tetrachloroethene	20.000	19.164	4.2	90	0.00
62 M	Toluene	20.000	20.132	-0.7	97	0.00
63 S	Toluene-d8	30.000	28.752	4.2	88	0.00
64 M	Chlorobenzene	20.000	19.674	1.6	96	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.402	-7.0	106	0.00
66 M	Ethyl Benzene	20.000	20.644	-3.2	99	0.00
67 M	m/p-Xylenes	40.000	39.872	0.3	95	0.00
68 M	o-Xylene	20.000	19.974	0.1	96	0.00
69 M	Styrene	20.000	20.467	-2.3	99	0.00
70	Isopropylbenzene	20.000	21.213	-6.1	100	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.273	-1.4	101	0.00
72	1,2,3-Trichloropropane	20.000	20.944	-4.7	103	0.00
73	Bromobenzene	20.000	19.949	0.3	99	0.00
74	n-propylbenzene	20.000	21.105	-5.5	101	0.00
75	2-Chlorotoluene	20.000	20.690	-3.5	98	0.00
76	1,3,5-Trimethylbenzene	20.000	20.674	-3.4	98	0.00
77	t-1,4-Dichloro-2-butene	20.000	21.747	-8.7	118	0.00
78	4-Chlorotoluene	20.000	20.717	-3.6	101	0.00
79	tert-butylbenzene	20.000	21.609	-8.0	104	0.00
80	1,2,4-Trimethylbenzene	20.000	20.698	-3.5	100	0.00
81	sec-Butylbenzene	20.000	21.514	-7.6	100	0.00
82	p-Isopropyltoluene	20.000	21.332	-6.7	100	0.00
83 M	1,3-Dichlorobenzene	20.000	19.652	1.7	96	0.00
84 M	1,4-Dichlorobenzene	20.000	20.102	-0.5	100	0.00
85	n-Butylbenzene	20.000	20.834	-4.2	101	0.00
86 T	Hexachloroethane	20.000	24.617	-23.1	129	0.00
87 M	1,2-Dichlorobenzene	20.000	19.474	2.6	96	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.424	-2.1	103	0.00
89	1,2,4-Trichlorobenzene	20.000	19.308	3.5	97	0.00
90	Hexachlorobutadiene	20.000	21.401	-7.0	97	0.00
91 M	Naphthalene	20.000	19.569	2.2	98	0.00
92	1,2,3-Trichlorobenzene	20.000	19.079	4.6	94	0.00

(#) = Out of Range

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