

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035876.D
 Acq On : 26 May 2023 00:53
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 26 09:21:31 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	87	0.01
2 M	Dichlorodifluoromethane	20.000	23.900	-19.5	161	0.00
3 M	Chloromethane	20.000	20.399	-2.0	100	0.00
4 M	Vinyl Chloride	20.000	20.873	-4.4	109	0.00
5 M	Bromomethane	20.000	19.220	3.9	91	0.00
6 M	Chloroethane	20.000	21.110	-5.5	105	0.00
7 M	Trichlorofluoromethane	20.000	21.574	-7.9	131	0.00
8 T	Diethyl Ether	20.000	19.713	1.4	90	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.472	-17.4	153	0.00
10 M	1,1-Dichloroethene	20.000	20.459	-2.3	106	0.00
11	Methyl Iodide	20.000	18.258	8.7	91	0.00
12	Methyl Acetate	20.000	20.236	-1.2	89	0.00
13 M	Acrolein	100.000	96.151	3.8	92	0.00
14 M	Acrylonitrile	100.000	99.019	1.0	89	0.00
15 M	Acetone	100.000	91.153	8.8	79	0.00
16 M	Carbon Disulfide	20.000	17.143	14.3	96	0.00
17	Allyl chloride	20.000	19.455	2.7	94	0.00
18 M	Methylene Chloride	20.000	19.318	3.4	90	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.618	-3.1	98	0.00
20 T	Diisopropyl ether	20.000	20.195	-1.0	93	0.00
21 M	1,1-Dichloroethane	20.000	20.022	-0.1	95	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.622	1.9	93	0.00
23 M	tert-Butyl Alcohol	100.000	100.278	-0.3	88	-0.02
24 M	Methyl tert-Butyl Ether	20.000	19.754	1.2	91	0.00
25 M	Chloroform	20.000	20.169	-0.8	97	0.00
26	Cyclohexane	20.000	22.491	-12.5	144	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.453	1.8	87	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	20.479	-2.4	108	0.00
30 M	2-Butanone	100.000	98.813	1.2	87	0.00
31	2,2-Dichloropropane	20.000	16.345	18.3	83	0.00
32 M	1,1,1-Trichloroethane	20.000	20.556	-2.8	105	0.00
33 M	Carbon Tetrachloride	20.000	20.637	-3.2	112	0.00
34 M	Benzene	20.000	20.628	-3.1	96	0.00
35	Methacrylonitrile	20.000	19.324	3.4	88	0.00
36 M	1,2-Dichloroethane	20.000	20.432	-2.2	93	0.00
37 M	Trichloroethene	20.000	20.235	-1.2	97	0.00
38	Methylcyclohexane	20.000	22.157	-10.8	152	0.00
39 M	1,2-Dichloropropane	20.000	19.664	1.7	92	0.00
40	Dibromomethane	20.000	19.666	1.7	90	0.00
41 M	Bromodichloromethane	20.000	18.980	5.1	90	0.00
42 M	Vinyl Acetate	100.000	97.215	2.8	91	0.00
43	Ethyl Acetate	20.000	18.493	7.5	86	0.00
44	Isopropyl Acetate	20.000	18.599	7.0	87	0.00
45 T	1,4-Dioxane	400.000	445.801	-11.5	92	-0.03
46	Methyl methacrylate	20.000	18.784	6.1	89	0.00
47	n-amyl Acetate	20.000	18.544	7.3	88	0.00
48 M	t-1,3-Dichloropropene	20.000	16.898	15.5	84	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	18.336	8.3	86	0.00
50 M	1,1,2-Trichloroethane	20.000	19.870	0.6	90	0.00
51	Ethyl methacrylate	20.000	18.509	7.5	88	0.00
52	1,3-Dichloropropane	20.000	20.184	-0.9	91	0.00
53 M	Dibromochloromethane	20.000	17.813	10.9	87	0.00
54 M	1,2-Dibromoethane	20.000	19.508	2.5	89	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.617	-2.6	88	0.00
56 M	Bromoform	20.000	16.795	16.0	88	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.616	0.4	90	0.00
59 M	2-Hexanone	100.000	98.755	1.2	88	0.00
60 S	4-Bromofluorobenzene	30.000	29.106	3.0	89	0.00
61 M	Tetrachloroethene	20.000	21.425	-7.1	105	0.00
62 M	Toluene	20.000	20.226	-1.1	95	0.00
63 S	Toluene-d8	30.000	30.675	-2.3	93	0.00
64 M	Chlorobenzene	20.000	19.826	0.9	93	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.861	5.7	91	0.00
66 M	Ethyl Benzene	20.000	19.964	0.2	97	0.00
67 M	m/p-Xylenes	40.000	40.446	-1.1	97	0.00
68 M	o-Xylene	20.000	20.434	-2.2	96	0.00
69 M	Styrene	20.000	19.754	1.2	93	0.00
70	Isopropylbenzene	20.000	20.446	-2.2	101	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.679	1.6	89	0.00
72	1,2,3-Trichloropropane	20.000	19.714	1.4	94	0.00
73	Bromobenzene	20.000	19.790	1.1	93	0.00
74	n-propylbenzene	20.000	20.152	-0.8	100	0.00
75	2-Chlorotoluene	20.000	19.912	0.4	96	0.00
76	1,3,5-Trimethylbenzene	20.000	19.883	0.6	97	0.00
77	t-1,4-Dichloro-2-butene	20.000	13.888	30.6#	75	0.00
78	4-Chlorotoluene	20.000	19.621	1.9	95	0.00
79	tert-butylbenzene	20.000	20.174	-0.9	101	0.00
80	1,2,4-Trimethylbenzene	20.000	19.747	1.3	95	0.00
81	sec-Butylbenzene	20.000	20.314	-1.6	106	0.00
82	p-Isopropyltoluene	20.000	20.037	-0.2	103	0.00
83 M	1,3-Dichlorobenzene	20.000	19.761	1.2	94	0.00
84 M	1,4-Dichlorobenzene	20.000	19.803	1.0	94	0.00
85	n-Butylbenzene	20.000	18.933	5.3	104	0.00
86 T	Hexachloroethane	20.000	17.286	13.6	100	0.00
87 M	1,2-Dichlorobenzene	20.000	19.737	1.3	90	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.504	12.5	86	0.00
89	1,2,4-Trichlorobenzene	20.000	19.510	2.4	96	0.00
90	Hexachlorobutadiene	20.000	20.391	-2.0	121	0.00
91 M	Naphthalene	20.000	19.848	0.8	93	0.00
92	1,2,3-Trichlorobenzene	20.000	19.640	1.8	96	0.00

(#) = Out of Range

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