

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX022820\
 Data File : VX015059.D
 Acq On : 28 Feb 2020 15:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 29 00:22:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	96	0.00
2 M	Dichlorodifluoromethane	20.000	17.501	12.5	91	0.00
3 M	Chloromethane	20.000	19.401	3.0	100	0.00
4 M	Vinyl Chloride	20.000	18.438	7.8	96	0.00
5 M	Bromomethane	20.000	17.082	14.6	92	0.00
6 M	Chloroethane	20.000	18.257	8.7	92	0.00
7 M	Trichlorofluoromethane	20.000	16.894	15.5	87	0.00
8 T	Diethyl Ether	20.000	17.862	10.7	92	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.475	7.6	94	0.00
10 M	1,1-Dichloroethene	20.000	17.804	11.0	93	0.00
11	Methyl Iodide	20.000	14.988	25.1	84	0.00
12	Methyl Acetate	20.000	19.176	4.1	99	0.00
13 M	Acrolein	100.000	83.971	16.0	88	0.00
14 M	Acrylonitrile	100.000	99.072	0.9	104	0.00
15 M	Acetone	100.000	82.078	17.9	77	0.00
16 M	Carbon Disulfide	20.000	17.595	12.0	94	0.00
17	Allyl chloride	20.000	19.529	2.4	103	0.00
18 M	Methylene Chloride	20.000	18.781	6.1	95	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.320	8.4	95	0.00
20 T	Diisopropyl ether	20.000	19.346	3.3	98	0.00
21 M	1,1-Dichloroethane	20.000	19.063	4.7	99	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.975	10.1	91	0.00
23 M	tert-Butyl Alcohol	100.000	86.936	13.1	92	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.836	5.8	98	0.00
25 M	Chloroform	20.000	18.649	6.8	95	-0.01
26	Cyclohexane	20.000	18.670	6.6	96	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.324	5.6	90	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	91	0.00
29	1,1-Dichloropropene	20.000	19.822	0.9	98	-0.01
30 M	2-Butanone	100.000	94.514	5.5	89	0.00
31	2,2-Dichloropropane	20.000	19.092	4.5	94	0.00
32 M	1,1,1-Trichloroethane	20.000	19.373	3.1	96	-0.01
33 M	Carbon Tetrachloride	20.000	19.209	4.0	95	-0.01
34 M	Benzene	20.000	19.898	0.5	97	0.00
35	Methacrylonitrile	20.000	19.979	0.1	101	-0.01
36 M	1,2-Dichloroethane	20.000	19.827	0.9	97	-0.01
37 M	Trichloroethene	20.000	19.928	0.4	100	0.00
38	Methylcyclohexane	20.000	19.641	1.8	98	0.00
39 M	1,2-Dichloropropane	20.000	20.206	-1.0	100	0.00
40	Dibromomethane	20.000	19.416	2.9	94	0.00
41 M	Bromodichloromethane	20.000	19.669	1.7	98	0.00
42 M	Vinyl Acetate	100.000	101.160	-1.2	99	0.00
43	Ethyl Acetate	20.000	20.273	-1.4	99	0.00
44	Isopropyl Acetate	20.000	19.481	2.6	97	0.00
45 T	1,4-Dioxane	400.000	366.390	8.4	89	-0.01

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Quant Time: Feb 29 00:22:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.424	2.9	98	0.00
47	n-amyl Acetate	20.000	18.418	7.9	95	0.00
48 M	t-1,3-Dichloropropene	20.000	18.713	6.4	95	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.672	1.6	98	0.00
50 M	1,1,2-Trichloroethane	20.000	19.831	0.8	95	0.00
51	Ethyl methacrylate	20.000	18.698	6.5	95	0.00
52	1,3-Dichloropropane	20.000	19.746	1.3	96	0.00
53 M	Dibromochloromethane	20.000	18.759	6.2	93	0.00
54 M	1,2-Dibromoethane	20.000	19.151	4.2	94	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.599	0.4	97	0.00
56 M	Bromoform	20.000	18.515	7.4	94	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	100.000	106.812	-6.8	99	0.00
59 M	2-Hexanone	100.000	98.861	1.1	90	0.00
60 S	4-Bromofluorobenzene	30.000	32.155	-7.2	93	0.00
61 M	Tetrachloroethene	20.000	21.088	-5.4	96	0.00
62 M	Toluene	20.000	20.337	-1.7	94	0.00
63 S	Toluene-d8	30.000	32.206	-7.4	92	0.00
64 M	Chlorobenzene	20.000	19.498	2.5	91	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.085	4.6	89	0.00
66 M	Ethyl Benzene	20.000	19.553	2.2	91	0.00
67 M	m/p-Xylenes	40.000	40.091	-0.2	94	0.00
68 M	o-Xylene	20.000	20.436	-2.2	96	0.00
69 M	Styrene	20.000	20.324	-1.6	97	0.00
70	Isopropylbenzene	20.000	20.979	-4.9	97	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.285	-6.4	99	0.00
72	1,2,3-Trichloropropane	20.000	21.757	-8.8	100	0.00
73	Bromobenzene	20.000	20.477	-2.4	95	0.00
74	n-propylbenzene	20.000	20.986	-4.9	98	0.00
75	2-Chlorotoluene	20.000	20.972	-4.9	97	0.00
76	1,3,5-Trimethylbenzene	20.000	20.471	-2.4	95	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.881	5.6	96	0.00
78	4-Chlorotoluene	20.000	20.705	-3.5	97	0.00
79	tert-butylbenzene	20.000	20.682	-3.4	98	0.00
80	1,2,4-Trimethylbenzene	20.000	20.869	-4.3	97	0.00
81	sec-Butylbenzene	20.000	21.314	-6.6	100	0.00
82	p-Isopropyltoluene	20.000	20.869	-4.3	98	0.00
83 M	1,3-Dichlorobenzene	20.000	20.481	-2.4	98	0.00
84 M	1,4-Dichlorobenzene	20.000	20.151	-0.8	95	0.00
85	n-Butylbenzene	20.000	20.398	-2.0	100	0.00
86 T	Hexachloroethane	20.000	19.780	1.1	100	0.00
87 M	1,2-Dichlorobenzene	20.000	20.428	-2.1	97	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.662	1.7	95	0.00
89	1,2,4-Trichlorobenzene	20.000	19.393	3.0	95	0.00
90	Hexachlorobutadiene	20.000	20.465	-2.3	100	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.196	4.0	91	0.00
92	1,2,3-Trichlorobenzene	20.000	19.762	1.2	95	0.00

(#) = Out of Range

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