

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX032919\
 Data File : VX008535.D
 Acq On : 29 Mar 2019 09:30
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 29 14:45:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 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	116	0.00
2 M	Dichlorodifluoromethane	20.000	20.860	-4.3	120	0.00
3 M	Chloromethane	20.000	19.696	1.5	113	0.00
4 M	Vinyl Chloride	20.000	19.865	0.7	116	0.00
5 M	Bromomethane	20.000	15.681	21.6	100	0.00
6 M	Chloroethane	20.000	17.948	10.3	111	0.00
7 M	Trichlorofluoromethane	20.000	20.274	-1.4	117	0.00
8 T	Diethyl Ether	20.000	19.345	3.3	111	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.329	-1.6	121	0.00
10 M	1,1-Dichloroethene	20.000	20.021	-0.1	117	0.00
11	Methyl Iodide	20.000	13.421	32.9#	86	0.00
12	Methyl Acetate	20.000	19.951	0.2	116	0.00
13 M	Acrolein	100.000	74.453	25.5	89	0.00
14 M	Acrylonitrile	100.000	99.528	0.5	117	0.00
15 M	Acetone	100.000	107.504	-7.5	113	0.00
16 M	Carbon Disulfide	20.000	19.786	1.1	117	0.00
17	Allyl chloride	20.000	20.037	-0.2	120	0.00
18 M	Methylene Chloride	20.000	20.100	-0.5	117	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.998	0.0	118	0.00
20 T	Diisopropyl ether	20.000	20.129	-0.6	118	0.00
21 M	1,1-Dichloroethane	20.000	20.112	-0.6	117	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.986	0.1	118	0.00
23 M	tert-Butyl Alcohol	100.000	96.107	3.9	113	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.832	0.8	116	0.00
25 M	Chloroform	20.000	20.236	-1.2	117	0.00
26	Cyclohexane	20.000	20.518	-2.6	122	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.918	0.3	114	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	116	0.00
29	1,1-Dichloropropene	20.000	20.315	-1.6	120	0.00
30 M	2-Butanone	100.000	102.309	-2.3	115	0.00
31	2,2-Dichloropropane	20.000	20.019	-0.1	119	0.00
32 M	1,1,1-Trichloroethane	20.000	20.068	-0.3	118	0.00
33 M	Carbon Tetrachloride	20.000	19.776	1.1	118	0.00
34 M	Benzene	20.000	20.024	-0.1	117	0.00
35	Methacrylonitrile	20.000	19.616	1.9	118	0.00
36 M	1,2-Dichloroethane	20.000	20.111	-0.6	117	0.00
37 M	Trichloroethene	20.000	20.126	-0.6	120	0.00
38	Methylcyclohexane	20.000	20.812	-4.1	124	0.00
39 M	1,2-Dichloropropane	20.000	19.567	2.2	115	0.00
40	Dibromomethane	20.000	19.751	1.2	117	0.00
41 M	Bromodichloromethane	20.000	19.694	1.5	117	0.00
42 M	Vinyl Acetate	100.000	100.570	-0.6	117	0.00
43	Ethyl Acetate	20.000	19.712	1.4	113	0.00
44	Isopropyl Acetate	20.000	19.371	3.1	115	0.00
45 T	1,4-Dioxane	400.000	392.095	2.0	112	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.504	2.5	116	0.00
47	n-amyl Acetate	20.000	19.730	1.3	121	0.00
48 M	t-1,3-Dichloropropene	20.000	19.368	3.2	121	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.711	1.4	119	0.00
50 M	1,1,2-Trichloroethane	20.000	19.474	2.6	118	0.00
51	Ethyl methacrylate	20.000	19.229	3.9	117	0.00
52	1,3-Dichloropropane	20.000	19.866	0.7	116	0.00
53 M	Dibromochloromethane	20.000	19.130	4.4	118	0.00
54 M	1,2-Dibromoethane	20.000	19.912	0.4	119	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.349	-2.3	134	0.00
56 M	Bromoform	20.000	18.757	6.2	120	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	117	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.978	1.0	116	0.00
59 M	2-Hexanone	100.000	104.689	-4.7	119	0.00
60 S	4-Bromofluorobenzene	30.000	30.141	-0.5	119	0.00
61 M	Tetrachloroethene	20.000	21.424	-7.1	126	0.00
62 M	Toluene	20.000	20.064	-0.3	117	0.00
63 S	Toluene-d8	30.000	30.304	-1.0	115	0.00
64 M	Chlorobenzene	20.000	20.202	-1.0	120	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.617	1.9	119	0.00
66 M	Ethyl Benzene	20.000	20.320	-1.6	120	0.00
67 M	m/p-Xylenes	40.000	40.297	-0.7	120	0.00
68 M	o-Xylene	20.000	20.092	-0.5	119	0.00
69 M	Styrene	20.000	20.102	-0.5	122	0.00
70	Isopropylbenzene	20.000	20.229	-1.1	121	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.108	-0.5	119	0.00
72	1,2,3-Trichloropropane	20.000	20.612	-3.1	119	0.00
73	Bromobenzene	20.000	20.088	-0.4	122	0.00
74	n-propylbenzene	20.000	20.340	-1.7	122	0.00
75	2-Chlorotoluene	20.000	20.273	-1.4	121	0.00
76	1,3,5-Trimethylbenzene	20.000	20.061	-0.3	120	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.245	3.8	126	0.00
78	4-Chlorotoluene	20.000	20.127	-0.6	123	0.00
79	tert-butylbenzene	20.000	20.282	-1.4	122	0.00
80	1,2,4-Trimethylbenzene	20.000	20.196	-1.0	121	0.00
81	sec-Butylbenzene	20.000	20.358	-1.8	122	0.00
82	p-Isopropyltoluene	20.000	20.282	-1.4	122	0.00
83 M	1,3-Dichlorobenzene	20.000	20.480	-2.4	126	0.00
84 M	1,4-Dichlorobenzene	20.000	20.383	-1.9	125	0.00
85	n-Butylbenzene	20.000	20.254	-1.3	125	0.00
86 T	Hexachloroethane	20.000	19.518	2.4	122	0.00
87 M	1,2-Dichlorobenzene	20.000	20.424	-2.1	124	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.715	1.4	117	0.00
89	1,2,4-Trichlorobenzene	20.000	20.608	-3.0	128	0.00
90	Hexachlorobutadiene	20.000	20.885	-4.4	127	0.00

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	Compound	Amount	Calc.	%Dev	Area	% Dev(min)
91 M	Naphthalene	20.000	19.867	0.7	116	0.00
92	1,2,3-Trichlorobenzene	20.000	20.134	-0.7	120	0.00

(#) = Out of Range

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