

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX020819\
 Data File : VX007434.D
 Acq On : 08 Feb 2019 11:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 08 14:49:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 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	122	0.00
2 M	Dichlorodifluoromethane	20.000	19.720	1.4	133	0.00
3 M	Chloromethane	20.000	19.994	0.0	128	0.00
4 M	Vinyl Chloride	20.000	20.100	-0.5	129	0.00
5 M	Bromomethane	20.000	21.197	-6.0	136	0.00
6 M	Chloroethane	20.000	20.204	-1.0	134	0.00
7 M	Trichlorofluoromethane	20.000	20.624	-3.1	134	0.00
8 T	Diethyl Ether	20.000	21.151	-5.8	136	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.242	-6.2	140	0.00
10 M	1,1-Dichloroethene	20.000	20.753	-3.8	134	0.00
11	Methyl Iodide	20.000	19.642	1.8	128	0.00
12	Methyl Acetate	20.000	21.041	-5.2	135	0.00
13 M	Acrolein	100.000	69.196	30.8#	96	0.00
14 M	Acrylonitrile	100.000	105.601	-5.6	132	0.00
15 M	Acetone	100.000	103.078	-3.1	126	0.00
16 M	Carbon Disulfide	20.000	19.212	3.9	132	0.00
17	Allyl chloride	20.000	20.711	-3.6	134	0.00
18 M	Methylene Chloride	20.000	20.527	-2.6	129	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.098	-0.5	131	0.00
20 T	Diisopropyl ether	20.000	21.049	-5.2	133	0.00
21 M	1,1-Dichloroethane	20.000	21.413	-7.1	134	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.420	-7.1	137	0.00
23 M	tert-Butyl Alcohol	100.000	101.181	-1.2	125	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.974	-4.9	134	0.00
25 M	Chloroform	20.000	21.177	-5.9	133	0.00
26	Cyclohexane	20.000	21.111	-5.6	137	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.298	2.3	119	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	124	0.00
29	1,1-Dichloropropene	20.000	21.084	-5.4	134	0.00
30 M	2-Butanone	100.000	104.726	-4.7	128	0.00
31	2,2-Dichloropropane	20.000	21.974	-9.9	144	0.00
32 M	1,1,1-Trichloroethane	20.000	21.104	-5.5	136	0.00
33 M	Carbon Tetrachloride	20.000	21.170	-5.9	142	0.00
34 M	Benzene	20.000	21.222	-6.1	134	0.00
35	Methacrylonitrile	20.000	21.454	-7.3	136	0.00
36 M	1,2-Dichloroethane	20.000	20.784	-3.9	132	0.00
37 M	Trichloroethene	20.000	21.578	-7.9	137	0.00
38	Methylcyclohexane	20.000	21.029	-5.1	141	0.00
39 M	1,2-Dichloropropane	20.000	21.315	-6.6	137	0.00
40	Dibromomethane	20.000	21.176	-5.9	136	0.00
41 M	Bromodichloromethane	20.000	21.122	-5.6	140	0.00
42 M	Vinyl Acetate	100.000	102.930	-2.9	133	0.00
43	Ethyl Acetate	20.000	20.655	-3.3	131	0.00
44	Isopropyl Acetate	20.000	21.051	-5.3	138	0.00
45 T	1,4-Dioxane	400.000	400.664	-0.2	125	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.573	-2.9	131	0.00
47	n-amyl Acetate	20.000	20.730	-3.7	134	0.00
48 M	t-1,3-Dichloropropene	20.000	21.286	-6.4	145	0.00
49 T	cis-1,3-Dichloropropene	20.000	21.115	-5.6	139	0.00
50 M	1,1,2-Trichloroethane	20.000	21.304	-6.5	136	0.00
51	Ethyl methacrylate	20.000	20.876	-4.4	135	0.00
52	1,3-Dichloropropane	20.000	21.160	-5.8	135	0.00
53 M	Dibromochloromethane	20.000	21.164	-5.8	141	0.00
54 M	1,2-Dibromoethane	20.000	21.057	-5.3	132	0.00
55 M	2-Chloroethyl vinyl ether	100.000	130.354	-30.4#	164	0.00
56 M	Bromoform	20.000	20.463	-2.3	141	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	123	0.00
58 M	4-Methyl-2-Pentanone	100.000	106.452	-6.5	131	0.00
59 M	2-Hexanone	100.000	105.269	-5.3	127	0.00
60 S	4-Bromofluorobenzene	30.000	30.744	-2.5	124	0.00
61 M	Tetrachloroethene	20.000	21.357	-6.8	127	0.00
62 M	Toluene	20.000	21.259	-6.3	134	0.00
63 S	Toluene-d8	30.000	29.689	1.0	120	0.00
64 M	Chlorobenzene	20.000	21.516	-7.6	137	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.720	-8.6	142	0.00
66 M	Ethyl Benzene	20.000	21.628	-8.1	137	0.00
67 M	m/p-Xylenes	40.000	42.951	-7.4	136	0.00
68 M	o-Xylene	20.000	21.066	-5.3	134	0.00
69 M	Styrene	20.000	21.465	-7.3	138	0.00
70	Isopropylbenzene	20.000	21.987	-9.9	139	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.939	-4.7	131	0.00
72	1,2,3-Trichloropropane	20.000	21.542	-7.7	133	0.00
73	Bromobenzene	20.000	21.375	-6.9	136	0.00
74	n-propylbenzene	20.000	22.008	-10.0	139	0.00
75	2-Chlorotoluene	20.000	21.142	-5.7	133	0.00
76	1,3,5-Trimethylbenzene	20.000	21.373	-6.9	136	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.443	-2.2	149	0.00
78	4-Chlorotoluene	20.000	21.132	-5.7	134	0.00
79	tert-butylbenzene	20.000	21.614	-8.1	139	0.00
80	1,2,4-Trimethylbenzene	20.000	21.491	-7.5	135	0.00
81	sec-Butylbenzene	20.000	21.781	-8.9	138	0.00
82	p-Isopropyltoluene	20.000	21.614	-8.1	139	0.00
83 M	1,3-Dichlorobenzene	20.000	21.720	-8.6	138	0.00
84 M	1,4-Dichlorobenzene	20.000	21.258	-6.3	134	0.00
85	n-Butylbenzene	20.000	21.156	-5.8	142	0.00
86 T	Hexachloroethane	20.000	22.006	-10.0	152	0.00
87 M	1,2-Dichlorobenzene	20.000	21.366	-6.8	136	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.542	-2.7	137	0.00
89	1,2,4-Trichlorobenzene	20.000	21.682	-8.4	143	0.00
90	Hexachlorobutadiene	20.000	21.739	-8.7	143	0.00

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	Compound	Amount	Calc.	%Dev	Area	% Dev(min)
91 M	Naphthalene	20.000	21.813	-9.1	141	0.00
92	1,2,3-Trichlorobenzene	20.000	21.645	-8.2	139	0.00

(#) = Out of Range

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