

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX050319\
 Data File : VX009307.D
 Acq On : 03 May 2019 13:33
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 04 03:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 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	94	0.00
2 M	Dichlorodifluoromethane	20.000	19.163	4.2	91	0.00
3 M	Chloromethane	20.000	18.882	5.6	90	0.00
4 M	Vinyl Chloride	20.000	19.014	4.9	90	0.00
5 M	Bromomethane	20.000	17.240	13.8	91	0.00
6 M	Chloroethane	20.000	17.786	11.1	82	0.00
7 M	Trichlorofluoromethane	20.000	19.202	4.0	92	0.00
8 T	Diethyl Ether	20.000	19.060	4.7	92	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.549	2.3	93	0.00
10 M	1,1-Dichloroethene	20.000	19.132	4.3	91	0.00
11	Methyl Iodide	20.000	19.322	3.4	99	0.00
12	Methyl Acetate	20.000	18.138	9.3	89	0.00
13 M	Acrolein	100.000	69.784	30.2#	72	0.00
14 M	Acrylonitrile	100.000	92.943	7.1	90	0.00
15 M	Acetone	100.000	90.774	9.2	85	0.00
16 M	Carbon Disulfide	20.000	18.878	5.6	91	0.00
17	Allyl chloride	20.000	18.656	6.7	90	0.00
18 M	Methylene Chloride	20.000	19.189	4.1	93	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.137	4.3	92	0.00
20 T	Diisopropyl ether	20.000	19.166	4.2	92	0.00
21 M	1,1-Dichloroethane	20.000	18.955	5.2	92	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.298	3.5	93	0.00
23 M	tert-Butyl Alcohol	100.000	91.150	8.8	91	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.885	5.6	92	0.00
25 M	Chloroform	20.000	19.156	4.2	92	0.00
26	Cyclohexane	20.000	19.222	3.9	91	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.791	4.0	91	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	92	0.00
29	1,1-Dichloropropene	20.000	19.946	0.3	93	0.00
30 M	2-Butanone	100.000	94.201	5.8	88	0.00
31	2,2-Dichloropropane	20.000	18.853	5.7	89	0.00
32 M	1,1,1-Trichloroethane	20.000	19.850	0.7	95	0.00
33 M	Carbon Tetrachloride	20.000	19.429	2.9	92	0.00
34 M	Benzene	20.000	19.755	1.2	92	0.00
35	Methacrylonitrile	20.000	19.349	3.3	90	0.00
36 M	1,2-Dichloroethane	20.000	19.880	0.6	93	0.00
37 M	Trichloroethene	20.000	19.793	1.0	94	0.00
38	Methylcyclohexane	20.000	19.922	0.4	94	0.00
39 M	1,2-Dichloropropane	20.000	19.951	0.2	94	0.00
40	Dibromomethane	20.000	19.725	1.4	92	0.00
41 M	Bromodichloromethane	20.000	19.569	2.2	93	0.00
42 M	Vinyl Acetate	100.000	98.489	1.5	91	0.00
43	Ethyl Acetate	20.000	19.362	3.2	88	0.00
44	Isopropyl Acetate	20.000	19.098	4.5	92	0.00
45 T	1,4-Dioxane	400.000	385.779	3.6	91	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.052	4.7	90	0.00
47	n-amyl Acetate	20.000	18.543	7.3	90	0.00
48 M	t-1,3-Dichloropropene	20.000	18.516	7.4	90	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.316	3.4	93	0.00
50 M	1,1,2-Trichloroethane	20.000	19.951	0.2	93	0.00
51	Ethyl methacrylate	20.000	18.849	5.8	90	0.00
52	1,3-Dichloropropane	20.000	19.562	2.2	91	0.00
53 M	Dibromochloromethane	20.000	19.257	3.7	93	0.00
54 M	1,2-Dibromoethane	20.000	19.343	3.3	91	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.566	0.4	90	0.00
56 M	Bromoform	20.000	18.508	7.5	93	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	100.000	96.057	3.9	90	0.00
59 M	2-Hexanone	100.000	93.155	6.8	87	0.00
60 S	4-Bromofluorobenzene	30.000	29.844	0.5	92	0.00
61 M	Tetrachloroethene	20.000	20.752	-3.8	97	0.00
62 M	Toluene	20.000	20.065	-0.3	93	0.00
63 S	Toluene-d8	30.000	30.487	-1.6	93	0.00
64 M	Chlorobenzene	20.000	20.022	-0.1	95	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.694	1.5	94	0.00
66 M	Ethyl Benzene	20.000	19.882	0.6	93	0.00
67 M	m/p-Xylenes	40.000	40.011	-0.0	94	0.00
68 M	o-Xylene	20.000	19.833	0.8	94	0.00
69 M	Styrene	20.000	19.784	1.1	94	0.00
70	Isopropylbenzene	20.000	20.189	-0.9	95	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.420	2.9	93	0.00
72	1,2,3-Trichloropropane	20.000	20.065	-0.3	93	0.00
73	Bromobenzene	20.000	19.911	0.4	94	0.00
74	n-propylbenzene	20.000	20.195	-1.0	95	0.00
75	2-Chlorotoluene	20.000	20.045	-0.2	94	0.00
76	1,3,5-Trimethylbenzene	20.000	20.222	-1.1	95	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.612	11.9	90	0.00
78	4-Chlorotoluene	20.000	20.063	-0.3	96	0.00
79	tert-butylbenzene	20.000	20.037	-0.2	95	0.00
80	1,2,4-Trimethylbenzene	20.000	19.912	0.4	94	0.00
81	sec-Butylbenzene	20.000	20.296	-1.5	96	0.00
82	p-Isopropyltoluene	20.000	20.200	-1.0	96	0.00
83 M	1,3-Dichlorobenzene	20.000	19.550	2.2	95	0.00
84 M	1,4-Dichlorobenzene	20.000	19.633	1.8	96	0.00
85	n-Butylbenzene	20.000	19.622	1.9	96	0.00
86 T	Hexachloroethane	20.000	18.877	5.6	90	0.00
87 M	1,2-Dichlorobenzene	20.000	20.042	-0.2	96	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.477	7.6	89	0.00
89	1,2,4-Trichlorobenzene	20.000	19.653	1.7	98	0.00
90	Hexachlorobutadiene	20.000	20.136	-0.7	99	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.834	0.8	94	0.00
92	1,2,3-Trichlorobenzene	20.000	20.271	-1.4	97	0.00

(#) = Out of Range

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