

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121719\
 Data File : VX014082.D
 Acq On : 18 Dec 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 18 08:33:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 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	103	0.00
2 M	Dichlorodifluoromethane	20.000	18.127	9.4	96	0.00
3 M	Chloromethane	20.000	19.340	3.3	99	0.00
4 M	Vinyl Chloride	20.000	19.309	3.5	102	0.00
5 M	Bromomethane	20.000	15.002	25.0	81	0.00
6 M	Chloroethane	20.000	20.479	-2.4	110	0.02
7 M	Trichlorofluoromethane	20.000	18.955	5.2	99	0.00
8 T	Diethyl Ether	20.000	19.600	2.0	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.417	7.9	98	0.00
10 M	1,1-Dichloroethene	20.000	19.129	4.4	102	0.00
11	Methyl Iodide	20.000	18.827	5.9	106	0.00
12	Methyl Acetate	20.000	19.867	0.7	103	0.00
13 M	Acrolein	100.000	87.218	12.8	85	0.00
14 M	Acrylonitrile	100.000	100.195	-0.2	107	0.00
15 M	Acetone	100.000	145.984	-46.0#	158	0.00
16 M	Carbon Disulfide	20.000	19.092	4.5	104	0.00
17	Allyl chloride	20.000	18.524	7.4	98	0.00
18 M	Methylene Chloride	20.000	18.542	7.3	98	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.997	5.0	102	0.00
20 T	Diisopropyl ether	20.000	18.821	5.9	98	0.00
21 M	1,1-Dichloroethane	20.000	18.965	5.2	100	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.926	5.4	100	0.00
23 M	tert-Butyl Alcohol	100.000	92.641	7.4	97	-0.02
24 M	Methyl tert-Butyl Ether	20.000	18.804	6.0	99	0.00
25 M	Chloroform	20.000	19.257	3.7	100	0.00
26	Cyclohexane	20.000	18.580	7.1	97	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.478	1.7	100	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	101	0.00
29	1,1-Dichloropropene	20.000	19.311	3.4	100	0.00
30 M	2-Butanone	100.000	115.094	-15.1	120	0.00
31	2,2-Dichloropropane	20.000	16.067	19.7	83	0.00
32 M	1,1,1-Trichloroethane	20.000	18.988	5.1	100	0.00
33 M	Carbon Tetrachloride	20.000	18.916	5.4	99	0.00
34 M	Benzene	20.000	19.847	0.8	101	0.00
35	Methacrylonitrile	20.000	20.151	-0.8	102	0.00
36 M	1,2-Dichloroethane	20.000	19.587	2.1	103	0.00
37 M	Trichloroethene	20.000	21.678	-8.4	113	0.00
38	Methylcyclohexane	20.000	18.008	10.0	94	0.00
39 M	1,2-Dichloropropane	20.000	19.433	2.8	100	0.00
40	Dibromomethane	20.000	20.008	-0.0	103	0.00
41 M	Bromodichloromethane	20.000	19.209	4.0	102	0.00
42 M	Vinyl Acetate	100.000	39.397	60.6#	40	0.00
43	Ethyl Acetate	20.000	20.183	-0.9	105	0.00
44	Isopropyl Acetate	20.000	19.147	4.3	102	0.00
45 T	1,4-Dioxane	400.000	360.464	9.9	89	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.987	5.1	99	0.00
47	n-amyl Acetate	20.000	18.078	9.6	97	0.00
48 M	t-1,3-Dichloropropene	20.000	17.958	10.2	99	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.348	8.3	98	0.00
50 M	1,1,2-Trichloroethane	20.000	19.361	3.2	99	0.00
51	Ethyl methacrylate	20.000	18.827	5.9	100	0.00
52	1,3-Dichloropropane	20.000	19.732	1.3	100	0.00
53 M	Dibromochloromethane	20.000	18.489	7.6	100	0.00
54 M	1,2-Dibromoethane	20.000	19.808	1.0	103	0.00
55 M	2-Chloroethyl vinyl ether	100.000	97.530	2.5	100	0.00
56 M	Bromoform	20.000	17.990	10.1	101	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	100.000	99.350	0.7	101	0.00
59 M	2-Hexanone	100.000	105.540	-5.5	108	0.00
60 S	4-Bromofluorobenzene	30.000	29.486	1.7	99	0.00
61 M	Tetrachloroethene	20.000	29.511	-47.6#	156	0.00
62 M	Toluene	20.000	19.765	1.2	100	0.00
63 S	Toluene-d8	30.000	30.644	-2.1	100	0.00
64 M	Chlorobenzene	20.000	19.530	2.3	99	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.919	5.4	99	0.00
66 M	Ethyl Benzene	20.000	19.448	2.8	99	0.00
67 M	m/p-Xylenes	40.000	38.811	3.0	99	0.00
68 M	o-Xylene	20.000	18.966	5.2	97	0.00
69 M	Styrene	20.000	18.958	5.2	99	0.00
70	Isopropylbenzene	20.000	19.300	3.5	99	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	15.330	23.3	78	0.00
72	1,2,3-Trichloropropane	20.000	19.772	1.1	100	0.00
73	Bromobenzene	20.000	18.840	5.8	98	0.00
74	n-propylbenzene	20.000	19.294	3.5	100	0.00
75	2-Chlorotoluene	20.000	19.090	4.6	98	0.00
76	1,3,5-Trimethylbenzene	20.000	18.815	5.9	97	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.961	15.2	97	0.00
78	4-Chlorotoluene	20.000	18.932	5.3	98	0.00
79	tert-butylbenzene	20.000	16.341	18.3	84	0.00
80	1,2,4-Trimethylbenzene	20.000	18.733	6.3	97	0.00
81	sec-Butylbenzene	20.000	18.859	5.7	98	0.00
82	p-Isopropyltoluene	20.000	18.857	5.7	99	0.00
83 M	1,3-Dichlorobenzene	20.000	18.710	6.4	99	0.00
84 M	1,4-Dichlorobenzene	20.000	18.581	7.1	98	0.00
85	n-Butylbenzene	20.000	18.605	7.0	102	0.00
86 T	Hexachloroethane	20.000	17.013	14.9	96	0.00
87 M	1,2-Dichlorobenzene	20.000	18.710	6.4	99	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.528	7.4	97	0.00
89	1,2,4-Trichlorobenzene	20.000	18.469	7.7	103	0.00
90	Hexachlorobutadiene	20.000	16.908	15.5	90	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.200	4.0	106	0.00
92	1,2,3-Trichlorobenzene	20.000	18.939	5.3	105	0.00

(#) = Out of Range

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