

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX011620\
 Data File : VX014641.D
 Acq On : 16 Jan 2020 16:54
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 17 06:37:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 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	98	0.00
2 M	Dichlorodifluoromethane	20.000	20.580	-2.9	101	0.00
3 M	Chloromethane	20.000	19.900	0.5	98	0.00
4 M	Vinyl Chloride	20.000	19.988	0.1	99	0.00
5 M	Bromomethane	20.000	17.128	14.4	102	0.00
6 M	Chloroethane	20.000	19.008	5.0	93	0.02
7 M	Trichlorofluoromethane	20.000	19.210	3.9	100	0.01
8 T	Diethyl Ether	20.000	19.314	3.4	101	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.518	-2.6	105	0.01
10 M	1,1-Dichloroethene	20.000	19.595	2.0	103	0.00
11	Methyl Iodide	20.000	18.488	7.6	99	0.00
12	Methyl Acetate	20.000	18.958	5.2	96	0.00
13 M	Acrolein	100.000	81.884	18.1	84	0.00
14 M	Acrylonitrile	100.000	91.141	8.9	92	0.00
15 M	Acetone	100.000	65.496	34.5#	63	0.00
16 M	Carbon Disulfide	20.000	18.889	5.6	100	0.00
17	Allyl chloride	20.000	18.461	7.7	97	0.00
18 M	Methylene Chloride	20.000	26.958	-34.8#	138	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.595	2.0	102	0.00
20 T	Diisopropyl ether	20.000	19.510	2.4	100	0.00
21 M	1,1-Dichloroethane	20.000	18.997	5.0	98	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.306	3.5	101	0.00
23 M	tert-Butyl Alcohol	100.000	87.351	12.6	92	-0.02
24 M	Methyl tert-Butyl Ether	20.000	19.379	3.1	100	0.00
25 M	Chloroform	20.000	19.200	4.0	100	0.00
26	Cyclohexane	20.000	19.535	2.3	102	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.576	-1.9	101	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	19.248	3.8	103	0.00
30 M	2-Butanone	100.000	81.417	18.6	83	-0.01
31	2,2-Dichloropropane	20.000	19.172	4.1	103	0.00
32 M	1,1,1-Trichloroethane	20.000	19.048	4.8	103	0.00
33 M	Carbon Tetrachloride	20.000	19.400	3.0	105	0.00
34 M	Benzene	20.000	19.338	3.3	101	0.00
35	Methacrylonitrile	20.000	18.172	9.1	95	0.00
36 M	1,2-Dichloroethane	20.000	18.877	5.6	99	0.00
37 M	Trichloroethene	20.000	19.558	2.2	103	0.00
38	Methylcyclohexane	20.000	19.377	3.1	103	0.00
39 M	1,2-Dichloropropane	20.000	18.937	5.3	100	0.00
40	Dibromomethane	20.000	18.859	5.7	101	0.00
41 M	Bromodichloromethane	20.000	18.201	9.0	99	0.00
42 M	Vinyl Acetate	100.000	94.412	5.6	100	0.00
43	Ethyl Acetate	20.000	17.878	10.6	92	-0.01
44	Isopropyl Acetate	20.000	18.315	8.4	98	0.00
45 T	1,4-Dioxane	400.000	358.326	10.4	91	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.133	9.3	97	0.00
47	n-amyl Acetate	20.000	18.210	8.9	103	0.00
48 M	t-1,3-Dichloropropene	20.000	18.578	7.1	101	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.434	7.8	100	0.00
50 M	1,1,2-Trichloroethane	20.000	18.968	5.2	99	0.00
51	Ethyl methacrylate	20.000	18.536	7.3	103	0.00
52	1,3-Dichloropropane	20.000	19.047	4.8	101	0.00
53 M	Dibromochloromethane	20.000	18.408	8.0	101	0.00
54 M	1,2-Dibromoethane	20.000	18.888	5.6	99	0.00
55 M	2-Chloroethyl vinyl ether	100.000	93.768	6.2	101	0.00
56 M	Bromoform	20.000	17.871	10.6	99	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	100.000	90.233	9.8	94	0.00
59 M	2-Hexanone	100.000	88.187	11.8	92	0.00
60 S	4-Bromofluorobenzene	30.000	30.047	-0.2	104	0.00
61 M	Tetrachloroethene	20.000	19.310	3.5	101	0.00
62 M	Toluene	20.000	19.330	3.4	102	0.00
63 S	Toluene-d8	30.000	30.334	-1.1	103	0.00
64 M	Chlorobenzene	20.000	19.064	4.7	101	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.930	5.4	100	0.00
66 M	Ethyl Benzene	20.000	19.308	3.5	103	0.00
67 M	m/p-Xylenes	40.000	38.637	3.4	103	0.00
68 M	o-Xylene	20.000	18.956	5.2	102	0.00
69 M	Styrene	20.000	19.049	4.8	103	0.00
70	Isopropylbenzene	20.000	19.602	2.0	105	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.116	9.4	96	0.00
72	1,2,3-Trichloropropane	20.000	18.340	8.3	98	0.00
73	Bromobenzene	20.000	19.034	4.8	102	0.00
74	n-propylbenzene	20.000	19.700	1.5	107	0.00
75	2-Chlorotoluene	20.000	19.092	4.5	103	0.00
76	1,3,5-Trimethylbenzene	20.000	19.510	2.4	105	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.115	14.4	99	0.00
78	4-Chlorotoluene	20.000	19.353	3.2	105	0.00
79	tert-butylbenzene	20.000	19.249	3.8	105	0.00
80	1,2,4-Trimethylbenzene	20.000	19.288	3.6	103	0.00
81	sec-Butylbenzene	20.000	19.743	1.3	108	0.00
82	p-Isopropyltoluene	20.000	19.565	2.2	106	0.00
83 M	1,3-Dichlorobenzene	20.000	19.174	4.1	104	0.00
84 M	1,4-Dichlorobenzene	20.000	19.683	1.6	109	0.00
85	n-Butylbenzene	20.000	19.528	2.4	111	0.00
86 T	Hexachloroethane	20.000	17.987	10.1	102	0.00
87 M	1,2-Dichlorobenzene	20.000	18.867	5.7	102	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.504	12.5	96	0.00
89	1,2,4-Trichlorobenzene	20.000	19.392	3.0	109	0.00
90	Hexachlorobutadiene	20.000	19.465	2.7	108	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.972	5.1	104	0.00
92	1,2,3-Trichlorobenzene	20.000	19.640	1.8	109	0.00

(#) = Out of Range

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