

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041219\
 Data File : VN054996.D
 Acq On : 12 Apr 2019 13:28
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 12 23:30:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 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	104	0.00
2 M	Dichlorodifluoromethane	20.000	18.781	6.1	94	0.00
3 M	Chloromethane	20.000	19.377	3.1	101	0.00
4 M	Vinyl Chloride	20.000	18.861	5.7	97	0.00
5 M	Bromomethane	20.000	19.982	0.1	105	0.00
6 M	Chloroethane	20.000	18.719	6.4	97	0.00
7 M	Trichlorofluoromethane	20.000	19.732	1.3	100	0.00
8 T	Diethyl Ether	20.000	19.585	2.1	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.430	2.9	98	0.00
10 M	1,1-Dichloroethene	20.000	18.778	6.1	97	0.00
11	Methyl Iodide	20.000	18.641	6.8	100	0.00
12	Methyl Acetate	20.000	23.111	-15.6	124	0.00
13 M	Acrolein	100.000	93.363	6.6	101	0.00
14 M	Acrylonitrile	100.000	103.906	-3.9	113	0.00
15 M	Acetone	100.000	87.620	12.4	79	0.00
16 M	Carbon Disulfide	20.000	18.245	8.8	101	0.00
17	Allyl chloride	20.000	19.520	2.4	103	0.00
18 M	Methylene Chloride	20.000	19.787	1.1	104	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.602	2.0	103	0.00
20 T	Diisopropyl ether	20.000	19.697	1.5	105	0.00
21 M	1,1-Dichloroethane	20.000	19.760	1.2	103	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.337	3.3	103	0.00
23 M	tert-Butyl Alcohol	100.000	114.840	-14.8	130	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.550	-2.8	110	0.00
25 M	Chloroform	20.000	19.738	1.3	103	0.00
26	Cyclohexane	20.000	18.651	6.7	99	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.093	-0.3	101	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29	1,1-Dichloropropene	20.000	20.014	-0.1	102	0.00
30 M	2-Butanone	100.000	101.351	-1.4	100	0.00
31	2,2-Dichloropropane	20.000	19.134	4.3	99	0.00
32 M	1,1,1-Trichloroethane	20.000	20.086	-0.4	104	0.00
33 M	Carbon Tetrachloride	20.000	19.283	3.6	101	0.00
34 M	Benzene	20.000	19.962	0.2	102	0.00
35	Methacrylonitrile	20.000	19.914	0.4	100	0.00
36 M	1,2-Dichloroethane	20.000	20.883	-4.4	106	0.00
37 M	Trichloroethene	20.000	19.638	1.8	99	0.00
38	Methylcyclohexane	20.000	19.120	4.4	97	0.00
39 M	1,2-Dichloropropane	20.000	21.005	-5.0	107	0.00
40	Dibromomethane	20.000	20.138	-0.7	102	0.00
41 M	Bromodichloromethane	20.000	20.017	-0.1	105	0.00
42 M	Vinyl Acetate	100.000	102.850	-2.8	111	0.00
43	Ethyl Acetate	20.000	20.612	-3.1	108	0.00
44	Isopropyl Acetate	20.000	21.344	-6.7	117	0.00
45 T	1,4-Dioxane	400.000	451.828	-13.0	112	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.716	-3.6	116	0.00
47	n-amyl Acetate	20.000	20.579	-2.9	116	0.00
48 M	t-1,3-Dichloropropene	20.000	18.784	6.1	108	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.261	3.7	104	0.00
50 M	1,1,2-Trichloroethane	20.000	20.436	-2.2	105	0.00
51	Ethyl methacrylate	20.000	19.825	0.9	113	0.00
52	1,3-Dichloropropane	20.000	20.822	-4.1	107	0.00
53 M	Dibromochloromethane	20.000	19.369	3.2	105	0.00
54 M	1,2-Dibromoethane	20.000	19.942	0.3	109	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.070	-4.1	110	0.00
56 M	Bromoform	20.000	18.618	6.9	107	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	100.000	110.509	-10.5	114	0.00
59 M	2-Hexanone	100.000	106.478	-6.5	105	0.00
60 S	4-Bromofluorobenzene	30.000	29.682	1.1	99	0.00
61 M	Tetrachloroethene	20.000	19.763	1.2	95	0.00
62 M	Toluene	20.000	20.379	-1.9	101	0.00
63 S	Toluene-d8	30.000	30.251	-0.8	97	0.00
64 M	Chlorobenzene	20.000	20.370	-1.9	101	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.015	-0.1	102	0.00
66 M	Ethyl Benzene	20.000	20.087	-0.4	101	0.00
67 M	m/p-Xylenes	40.000	40.796	-2.0	100	0.00
68 M	o-Xylene	20.000	20.714	-3.6	103	0.00
69 M	Styrene	20.000	19.851	0.7	101	0.00
70	Isopropylbenzene	20.000	20.350	-1.8	100	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.897	-9.5	109	0.00
72	1,2,3-Trichloropropane	20.000	21.472	-7.4	105	0.00
73	Bromobenzene	20.000	20.077	-0.4	100	0.00
74	n-propylbenzene	20.000	19.707	1.5	96	0.00
75	2-Chlorotoluene	20.000	20.425	-2.1	100	0.00
76	1,3,5-Trimethylbenzene	20.000	20.413	-2.1	99	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.734	1.3	118	0.00
78	4-Chlorotoluene	20.000	19.840	0.8	99	0.00
79	tert-butylbenzene	20.000	20.968	-4.8	102	0.00
80	1,2,4-Trimethylbenzene	20.000	20.226	-1.1	101	0.00
81	sec-Butylbenzene	20.000	20.221	-1.1	98	0.00
82	p-Isopropyltoluene	20.000	19.508	2.5	95	0.00
83 M	1,3-Dichlorobenzene	20.000	19.877	0.6	101	0.00
84 M	1,4-Dichlorobenzene	20.000	19.481	2.6	100	0.00
85	n-Butylbenzene	20.000	18.060	9.7	94	0.00
86 T	Hexachloroethane	20.000	18.962	5.2	98	0.00
87 M	1,2-Dichlorobenzene	20.000	21.101	-5.5	105	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.631	-8.2	113	0.00
89	1,2,4-Trichlorobenzene	20.000	17.546	12.3	104	0.00
90	Hexachlorobutadiene	20.000	19.951	0.2	94	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.232	8.8	118	0.00
92	1,2,3-Trichlorobenzene	20.000	18.723	6.4	106	0.00

(#) = Out of Range

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