

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055864.D
 Acq On : 29 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 30 07:04:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 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	19.010	4.9	99	0.00
3 M	Chloromethane	20.000	17.837	10.8	91	0.00
4 M	Vinyl Chloride	20.000	19.132	4.3	98	0.00
5 M	Bromomethane	20.000	22.013	-10.1	106	0.00
6 M	Chloroethane	20.000	20.338	-1.7	102	0.00
7 M	Trichlorofluoromethane	20.000	20.298	-1.5	106	0.00
8 T	Diethyl Ether	20.000	20.245	-1.2	105	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.876	0.6	102	0.00
10 M	1,1-Dichloroethene	20.000	19.540	2.3	100	0.00
11	Methyl Iodide	20.000	20.224	-1.1	107	0.00
12	Methyl Acetate	20.000	18.856	5.7	98	0.00
13 M	Acrolein	100.000	86.840	13.2	94	0.00
14 M	Acrylonitrile	100.000	94.785	5.2	96	0.00
15 M	Acetone	100.000	117.522	-17.5	115	0.00
16 M	Carbon Disulfide	20.000	17.732	11.3	91	0.00
17	Allyl chloride	20.000	17.961	10.2	93	0.00
18 M	Methylene Chloride	20.000	19.744	1.3	102	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.338	3.3	99	0.00
20 T	Diisopropyl ether	20.000	18.650	6.8	97	0.00
21 M	1,1-Dichloroethane	20.000	19.086	4.6	98	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.646	1.8	101	0.00
23 M	tert-Butyl Alcohol	100.000	91.496	8.5	93	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.230	3.8	99	0.00
25 M	Chloroform	20.000	19.638	1.8	101	0.00
26	Cyclohexane	20.000	18.721	6.4	97	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.350	2.2	101	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	19.442	2.8	99	0.00
30 M	2-Butanone	100.000	102.332	-2.3	102	0.00
31	2,2-Dichloropropane	20.000	19.162	4.2	95	0.00
32 M	1,1,1-Trichloroethane	20.000	19.625	1.9	99	0.00
33 M	Carbon Tetrachloride	20.000	19.070	4.6	96	0.00
34 M	Benzene	20.000	20.205	-1.0	102	0.00
35	Methacrylonitrile	20.000	19.302	3.5	99	0.00
36 M	1,2-Dichloroethane	20.000	20.320	-1.6	102	0.00
37 M	Trichloroethene	20.000	20.355	-1.8	103	0.00
38	Methylcyclohexane	20.000	19.539	2.3	101	0.00
39 M	1,2-Dichloropropane	20.000	19.693	1.5	100	0.00
40	Dibromomethane	20.000	19.937	0.3	102	0.00
41 M	Bromodichloromethane	20.000	18.895	5.5	96	0.00
42 M	Vinyl Acetate	100.000	94.531	5.5	95	0.00
43	Ethyl Acetate	20.000	18.620	6.9	92	0.00
44	Isopropyl Acetate	20.000	18.809	6.0	96	0.00
45 T	1,4-Dioxane	400.000	365.133	8.7	93	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	18.454	7.7	93	0.00
47	n-amyl Acetate	20.000	17.667	11.7	90	0.00
48 M	t-1,3-Dichloropropene	20.000	17.740	11.3	91	0.00
49 T	cis-1,3-Dichloropropene	20.000	18.708	6.5	95	0.00
50 M	1,1,2-Trichloroethane	20.000	19.765	1.2	100	0.00
51	Ethyl methacrylate	20.000	18.762	6.2	95	0.00
52	1,3-Dichloropropane	20.000	19.861	0.7	100	0.00
53 M	Dibromochloromethane	20.000	18.483	7.6	95	0.00
54 M	1,2-Dibromoethane	20.000	20.100	-0.5	102	0.00
55 M	2-Chloroethyl vinyl ether	100.000	87.379	12.6	91	0.00
56 M	Bromoform	20.000	16.716	16.4	85	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	100.000	94.402	5.6	94	0.00
59 M	2-Hexanone	100.000	95.590	4.4	96	0.00
60 S	4-Bromofluorobenzene	30.000	28.221	5.9	98	0.00
61 M	Tetrachloroethene	20.000	21.044	-5.2	104	0.00
62 M	Toluene	20.000	20.591	-3.0	103	0.00
63 S	Toluene-d8	30.000	30.155	-0.5	102	0.00
64 M	Chlorobenzene	20.000	20.810	-4.0	105	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.333	3.3	97	0.00
66 M	Ethyl Benzene	20.000	20.089	-0.4	101	0.00
67 M	m/p-Xylenes	40.000	40.709	-1.8	102	0.00
68 M	o-Xylene	20.000	20.124	-0.6	101	0.00
69 M	Styrene	20.000	19.308	3.5	99	0.00
70	Isopropylbenzene	20.000	20.411	-2.1	103	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.598	2.0	97	0.00
72	1,2,3-Trichloropropane	20.000	19.910	0.4	97	0.00
73	Bromobenzene	20.000	19.532	2.3	100	0.00
74	n-propylbenzene	20.000	19.541	2.3	100	0.00
75	2-Chlorotoluene	20.000	19.926	0.4	100	0.00
76	1,3,5-Trimethylbenzene	20.000	19.878	0.6	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.325	23.4	81	0.00
78	4-Chlorotoluene	20.000	19.215	3.9	99	0.00
79	tert-butylbenzene	20.000	20.321	-1.6	101	0.00
80	1,2,4-Trimethylbenzene	20.000	19.665	1.7	100	0.00
81	sec-Butylbenzene	20.000	20.071	-0.4	101	0.00
82	p-Isopropyltoluene	20.000	19.656	1.7	100	0.00
83 M	1,3-Dichlorobenzene	20.000	19.388	3.1	101	0.00
84 M	1,4-Dichlorobenzene	20.000	18.706	6.5	99	0.00
85	n-Butylbenzene	20.000	18.191	9.0	97	0.00
86 T	Hexachloroethane	20.000	17.623	11.9	89	0.00
87 M	1,2-Dichlorobenzene	20.000	19.731	1.3	101	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.147	14.3	87	0.00
89	1,2,4-Trichlorobenzene	20.000	16.913	15.4	100	0.00
90	Hexachlorobutadiene	20.000	19.106	4.5	96	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	17.791	11.0	103	0.00
92	1,2,3-Trichlorobenzene	20.000	18.743	6.3	104	0.00

(#) = Out of Range

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