

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN030419\
 Data File : VN054057.D
 Acq On : 4 Mar 2019 9:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 04 23:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 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	105	0.00
2 M	Dichlorodifluoromethane	20.000	20.852	-4.3	108	0.00
3 M	Chloromethane	20.000	19.835	0.8	104	0.00
4 M	Vinyl Chloride	20.000	20.120	-0.6	105	0.00
5 M	Bromomethane	20.000	20.142	-0.7	106	0.00
6 M	Chloroethane	20.000	21.052	-5.3	110	0.00
7 M	Trichlorofluoromethane	20.000	21.338	-6.7	111	0.00
8 T	Diethyl Ether	20.000	19.332	3.3	101	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.110	-5.5	111	0.00
10 M	1,1-Dichloroethene	20.000	20.295	-1.5	106	0.00
11	Methyl Iodide	20.000	17.548	12.3	94	0.00
12	Methyl Acetate	20.000	19.321	3.4	106	0.00
13 M	Acrolein	100.000	98.953	1.0	92	0.00
14 M	Acrylonitrile	100.000	96.637	3.4	104	0.00
15 M	Acetone	100.000	112.854	-12.9	111	0.00
16 M	Carbon Disulfide	20.000	20.398	-2.0	109	0.00
17	Allyl chloride	20.000	20.232	-1.2	106	0.00
18 M	Methylene Chloride	20.000	21.343	-6.7	110	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.705	-3.5	109	0.00
20 T	Diisopropyl ether	20.000	20.312	-1.6	108	0.00
21 M	1,1-Dichloroethane	20.000	20.635	-3.2	109	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.902	-4.5	110	0.00
23 M	tert-Butyl Alcohol	100.000	92.790	7.2	102	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.886	0.6	108	0.00
25 M	Chloroform	20.000	21.417	-7.1	111	0.00
26	Cyclohexane	20.000	20.251	-1.3	108	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.613	-2.0	107	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	104	0.00
29	1,1-Dichloropropene	20.000	21.150	-5.7	111	0.00
30 M	2-Butanone	100.000	101.986	-2.0	108	0.00
31	2,2-Dichloropropane	20.000	21.594	-8.0	113	0.00
32 M	1,1,1-Trichloroethane	20.000	21.730	-8.7	113	0.00
33 M	Carbon Tetrachloride	20.000	21.383	-6.9	110	0.00
34 M	Benzene	20.000	21.406	-7.0	111	0.00
35	Methacrylonitrile	20.000	21.005	-5.0	102	0.00
36 M	1,2-Dichloroethane	20.000	21.722	-8.6	111	0.00
37 M	Trichloroethene	20.000	21.986	-9.9	115	0.00
38	Methylcyclohexane	20.000	20.660	-3.3	112	0.00
39 M	1,2-Dichloropropane	20.000	20.895	-4.5	107	0.00
40	Dibromomethane	20.000	21.321	-6.6	111	0.00
41 M	Bromodichloromethane	20.000	21.557	-7.8	113	0.00
42 M	Vinyl Acetate	100.000	98.194	1.8	106	0.00
43	Ethyl Acetate	20.000	19.998	0.0	98	0.00
44	Isopropyl Acetate	20.000	18.716	6.4	101	0.00
45 T	1,4-Dioxane	400.000	441.249	-10.3	114	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.178	4.1	107	0.00
47	n-amyl Acetate	20.000	18.920	5.4	109	0.00
48 M	t-1,3-Dichloropropene	20.000	19.896	0.5	109	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.399	-2.0	109	0.00
50 M	1,1,2-Trichloroethane	20.000	21.264	-6.3	109	0.00
51	Ethyl methacrylate	20.000	18.891	5.5	105	0.00
52	1,3-Dichloropropane	20.000	21.146	-5.7	110	0.00
53 M	Dibromochloromethane	20.000	21.119	-5.6	112	0.00
54 M	1,2-Dibromoethane	20.000	20.628	-3.1	108	0.00
55 M	2-Chloroethyl vinyl ether	100.000	95.117	4.9	108	0.00
56 M	Bromoform	20.000	20.347	-1.7	110	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.086	-0.1	108	0.00
59 M	2-Hexanone	100.000	99.180	0.8	109	0.00
60 S	4-Bromofluorobenzene	30.000	29.797	0.7	107	0.00
61 M	Tetrachloroethene	20.000	21.462	-7.3	108	0.00
62 M	Toluene	20.000	21.385	-6.9	112	0.00
63 S	Toluene-d8	30.000	30.177	-0.6	105	0.00
64 M	Chlorobenzene	20.000	20.727	-3.6	110	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.073	-5.4	112	0.00
66 M	Ethyl Benzene	20.000	20.940	-4.7	112	0.00
67 M	m/p-Xylenes	40.000	42.796	-7.0	112	0.00
68 M	o-Xylene	20.000	20.892	-4.5	111	0.00
69 M	Styrene	20.000	21.046	-5.2	111	0.00
70	Isopropylbenzene	20.000	21.393	-7.0	112	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.211	-1.1	109	0.00
72	1,2,3-Trichloropropane	20.000	21.733	-8.7	115	0.00
73	Bromobenzene	20.000	20.505	-2.5	109	0.00
74	n-propylbenzene	20.000	21.108	-5.5	111	0.00
75	2-Chlorotoluene	20.000	21.237	-6.2	112	0.00
76	1,3,5-Trimethylbenzene	20.000	21.160	-5.8	111	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.376	8.1	107	0.00
78	4-Chlorotoluene	20.000	20.828	-4.1	110	0.00
79	tert-butylbenzene	20.000	20.591	-3.0	109	0.00
80	1,2,4-Trimethylbenzene	20.000	21.267	-6.3	111	0.00
81	sec-Butylbenzene	20.000	21.065	-5.3	111	0.00
82	p-Isopropyltoluene	20.000	20.884	-4.4	111	0.00
83 M	1,3-Dichlorobenzene	20.000	20.521	-2.6	110	0.00
84 M	1,4-Dichlorobenzene	20.000	20.663	-3.3	112	0.00
85	n-Butylbenzene	20.000	19.746	1.3	110	0.00
86 T	Hexachloroethane	20.000	20.248	-1.2	112	0.00
87 M	1,2-Dichlorobenzene	20.000	20.691	-3.5	110	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.893	0.5	108	0.00
89	1,2,4-Trichlorobenzene	20.000	18.003	10.0	108	0.00
90	Hexachlorobutadiene	20.000	18.626	6.9	99	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	18.854	5.7	104	0.00
92	1,2,3-Trichlorobenzene	20.000	17.576	12.1	101	0.00

(#) = Out of Range

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