

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041919\
 Data File : VN055143.D
 Acq On : 19 Apr 2019 15:39
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 20 04:22:29 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	18.524	7.4	93	0.00
3 M	Chloromethane	20.000	18.507	7.5	97	0.00
4 M	Vinyl Chloride	20.000	17.957	10.2	94	0.00
5 M	Bromomethane	20.000	17.118	14.4	91	0.00
6 M	Chloroethane	20.000	17.806	11.0	93	0.00
7 M	Trichlorofluoromethane	20.000	21.115	-5.6	108	0.00
8 T	Diethyl Ether	20.000	26.075	-30.4#	137	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.917	-19.6	122	0.00
10 M	1,1-Dichloroethene	20.000	24.291	-21.5	126	0.00
11	Methyl Iodide	20.000	23.841	-19.2	128	0.01
12	Methyl Acetate	20.000	27.323	-36.6#	147	0.00
13 M	Acrolein	100.000	94.878	5.1	103	0.00
14 M	Acrylonitrile	100.000	121.034	-21.0	132	0.00
15 M	Acetone	100.000	115.314	-15.3	104	0.00
16 M	Carbon Disulfide	20.000	18.648	6.8	104	0.02
17	Allyl chloride	20.000	20.756	-3.8	111	0.01
18 M	Methylene Chloride	20.000	20.279	-1.4	108	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.061	-0.3	106	0.00
20 T	Diisopropyl ether	20.000	21.023	-5.1	113	0.00
21 M	1,1-Dichloroethane	20.000	20.550	-2.8	108	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.275	-1.4	108	0.00
23 M	tert-Butyl Alcohol	100.000	153.317	-53.3#	175	-0.02
24 M	Methyl tert-Butyl Ether	20.000	22.785	-13.9	123	0.00
25 M	Chloroform	20.000	21.102	-5.5	111	0.00
26	Cyclohexane	20.000	18.811	5.9	101	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.647	-2.2	103	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29	1,1-Dichloropropene	20.000	20.367	-1.8	104	0.00
30 M	2-Butanone	100.000	123.077	-23.1	122	0.00
31	2,2-Dichloropropane	20.000	19.404	3.0	101	0.00
32 M	1,1,1-Trichloroethane	20.000	21.146	-5.7	109	0.00
33 M	Carbon Tetrachloride	20.000	20.393	-2.0	107	0.00
34 M	Benzene	20.000	20.760	-3.8	107	0.00
35	Methacrylonitrile	20.000	18.831	5.8	95	0.00
36 M	1,2-Dichloroethane	20.000	21.404	-7.0	109	0.00
37 M	Trichloroethene	20.000	20.349	-1.7	103	0.00
38	Methylcyclohexane	20.000	17.763	11.2	91	0.00
39 M	1,2-Dichloropropane	20.000	21.714	-8.6	112	0.00
40	Dibromomethane	20.000	22.038	-10.2	112	0.00
41 M	Bromodichloromethane	20.000	20.914	-4.6	110	0.00
42 M	Vinyl Acetate	100.000	114.690	-14.7	124	0.00
43	Ethyl Acetate	20.000	25.995	-30.0	136	0.00
44	Isopropyl Acetate	20.000	26.011	-30.1#	144	0.00
45 T	1,4-Dioxane	400.000	540.701	-35.2#	135	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	24.513	-22.6	137	0.00
47	n-amyl Acetate	20.000	23.482	-17.4	133	0.00
48 M	t-1,3-Dichloropropene	20.000	21.061	-5.3	122	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.771	-3.9	113	0.00
50 M	1,1,2-Trichloroethane	20.000	22.210	-11.1	115	0.00
51	Ethyl methacrylate	20.000	22.829	-14.1	130	0.00
52	1,3-Dichloropropane	20.000	22.250	-11.3	115	0.00
53 M	Dibromochloromethane	20.000	20.844	-4.2	114	0.00
54 M	1,2-Dibromoethane	20.000	22.423	-12.1	122	0.00
55 M	2-Chloroethyl vinyl ether	100.000	103.422	-3.4	110	0.00
56 M	Bromoform	20.000	21.537	-7.7	125	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	100.000	135.650	-35.7#	140	0.00
59 M	2-Hexanone	100.000	133.200	-33.2#	132	0.00
60 S	4-Bromofluorobenzene	30.000	28.897	3.7	96	0.00
61 M	Tetrachloroethene	20.000	20.405	-2.0	98	0.00
62 M	Toluene	20.000	21.023	-5.1	104	0.00
63 S	Toluene-d8	30.000	30.467	-1.6	97	0.00
64 M	Chlorobenzene	20.000	20.242	-1.2	100	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.418	-7.1	110	0.00
66 M	Ethyl Benzene	20.000	20.155	-0.8	101	0.00
67 M	m/p-Xylenes	40.000	39.972	0.1	98	0.00
68 M	o-Xylene	20.000	20.459	-2.3	101	0.00
69 M	Styrene	20.000	19.356	3.2	98	0.00
70	Isopropylbenzene	20.000	19.837	0.8	97	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	24.506	-22.5	122	0.00
72	1,2,3-Trichloropropane	20.000	26.278	-31.4#	128	0.00
73	Bromobenzene	20.000	19.643	1.8	98	0.00
74	n-propylbenzene	20.000	18.853	5.7	92	0.00
75	2-Chlorotoluene	20.000	19.910	0.4	97	0.00
76	1,3,5-Trimethylbenzene	20.000	19.346	3.3	94	0.00
77	t-1,4-Dichloro-2-butene	20.000	21.919	-9.6	131	0.00
78	4-Chlorotoluene	20.000	19.508	2.5	98	0.00
79	tert-butylbenzene	20.000	19.331	3.3	94	0.00
80	1,2,4-Trimethylbenzene	20.000	19.056	4.7	95	0.00
81	sec-Butylbenzene	20.000	18.641	6.8	90	0.00
82	p-Isopropyltoluene	20.000	17.646	11.8	86	0.00
83 M	1,3-Dichlorobenzene	20.000	18.896	5.5	96	0.00
84 M	1,4-Dichlorobenzene	20.000	18.145	9.3	93	0.00
85	n-Butylbenzene	20.000	15.377	23.1	80	0.00
86 T	Hexachloroethane	20.000	18.366	8.2	95	0.00
87 M	1,2-Dichlorobenzene	20.000	19.705	1.5	98	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	23.407	-17.0	122	0.00
89	1,2,4-Trichlorobenzene	20.000	14.005	30.0	83	0.00
90	Hexachlorobutadiene	20.000	16.703	16.5	78	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	16.890	15.5	109	0.00
92	1,2,3-Trichlorobenzene	20.000	16.176	19.1	91	0.00

(#) = Out of Range

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