

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071319\
 Data File : VN056695.D
 Acq On : 12 Jul 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 13 00:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	19.963	0.2	84	0.00
3 M	Chloromethane	20.000	20.181	-0.9	87	0.00
4 M	Vinyl Chloride	20.000	19.980	0.1	86	0.00
5 M	Bromomethane	20.000	19.686	1.6	87	0.00
6 M	Chloroethane	20.000	20.509	-2.5	89	0.00
7 M	Trichlorofluoromethane	20.000	19.966	0.2	85	0.00
8 T	Diethyl Ether	20.000	20.117	-0.6	89	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.873	0.6	85	0.00
10 M	1,1-Dichloroethene	20.000	19.381	3.1	86	0.00
11	Methyl Iodide	20.000	18.929	5.4	86	0.00
12	Methyl Acetate	20.000	18.733	6.3	90	0.00
13 M	Acrolein	100.000	5.196	94.8#	5	0.00
14 M	Acrylonitrile	100.000	96.221	3.8	87	0.00
15 M	Acetone	100.000	76.020	24.0	57	0.00
16 M	Carbon Disulfide	20.000	18.011	9.9	82	0.00
17	Allyl chloride	20.000	18.735	6.3	85	0.00
18 M	Methylene Chloride	20.000	19.971	0.1	88	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.555	2.2	86	0.00
20 T	Diisopropyl ether	20.000	20.070	-0.4	88	0.00
21 M	1,1-Dichloroethane	20.000	19.814	0.9	87	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.911	0.4	88	0.00
23 M	tert-Butyl Alcohol	100.000	96.025	4.0	87	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.587	2.1	88	0.00
25 M	Chloroform	20.000	20.004	-0.0	87	0.00
26	Cyclohexane	20.000	19.257	3.7	84	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.321	-1.1	90	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	19.111	4.4	84	0.00
30 M	2-Butanone	100.000	87.599	12.4	73	0.00
31	2,2-Dichloropropane	20.000	18.307	8.5	82	0.00
32 M	1,1,1-Trichloroethane	20.000	19.750	1.3	88	0.00
33 M	Carbon Tetrachloride	20.000	19.480	2.6	87	0.00
34 M	Benzene	20.000	20.144	-0.7	88	0.00
35	Methacrylonitrile	20.000	16.446	17.8	83	0.00
36 M	1,2-Dichloroethane	20.000	20.140	-0.7	88	0.00
37 M	Trichloroethene	20.000	19.120	4.4	84	0.00
38	Methylcyclohexane	20.000	18.869	5.7	83	0.00
39 M	1,2-Dichloropropane	20.000	19.537	2.3	86	0.00
40	Dibromomethane	20.000	19.319	3.4	86	0.00
41 M	Bromodichloromethane	20.000	19.705	1.5	88	0.00
42 M	Vinyl Acetate	100.000	98.404	1.6	87	0.00
43	Ethyl Acetate	20.000	19.794	1.0	87	0.00
44	Isopropyl Acetate	20.000	19.237	3.8	88	0.00
45 T	1,4-Dioxane	400.000	388.588	2.9	83	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.328	3.4	87	0.00
47	n-amyl Acetate	20.000	18.500	7.5	87	0.00
48 M	t-1,3-Dichloropropene	20.000	17.867	10.7	83	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.073	4.6	87	0.00
50 M	1,1,2-Trichloroethane	20.000	19.687	1.6	88	0.00
51	Ethyl methacrylate	20.000	18.686	6.6	85	0.00
52	1,3-Dichloropropane	20.000	20.049	-0.2	87	0.00
53 M	Dibromochloromethane	20.000	19.101	4.5	88	0.00
54 M	1,2-Dibromoethane	20.000	19.261	3.7	87	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.519	-2.5	92	0.00
56 M	Bromoform	20.000	18.090	9.6	86	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.300	1.7	87	0.00
59 M	2-Hexanone	100.000	92.563	7.4	80	0.00
60 S	4-Bromofluorobenzene	30.000	29.543	1.5	89	0.00
61 M	Tetrachloroethene	20.000	20.427	-2.1	88	0.00
62 M	Toluene	20.000	20.107	-0.5	88	0.00
63 S	Toluene-d8	30.000	30.235	-0.8	88	0.00
64 M	Chlorobenzene	20.000	19.765	1.2	88	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.474	2.6	87	0.00
66 M	Ethyl Benzene	20.000	19.359	3.2	85	0.00
67 M	m/p-Xylenes	40.000	38.694	3.3	85	0.00
68 M	o-Xylene	20.000	19.320	3.4	87	0.00
69 M	Styrene	20.000	19.263	3.7	87	0.00
70	Isopropylbenzene	20.000	19.666	1.7	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.586	2.1	87	0.00
72	1,2,3-Trichloropropane	20.000	19.967	0.2	88	0.00
73	Bromobenzene	20.000	19.211	3.9	86	0.00
74	n-propylbenzene	20.000	18.842	5.8	82	0.00
75	2-Chlorotoluene	20.000	19.745	1.3	87	0.00
76	1,3,5-Trimethylbenzene	20.000	19.544	2.3	85	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.284	18.6	80	0.00
78	4-Chlorotoluene	20.000	18.455	7.7	82	0.00
79	tert-butylbenzene	20.000	19.406	3.0	85	0.00
80	1,2,4-Trimethylbenzene	20.000	19.425	2.9	85	0.00
81	sec-Butylbenzene	20.000	19.270	3.7	84	0.00
82	p-Isopropyltoluene	20.000	19.147	4.3	83	0.00
83 M	1,3-Dichlorobenzene	20.000	18.713	6.4	85	0.00
84 M	1,4-Dichlorobenzene	20.000	18.029	9.9	82	0.00
85	n-Butylbenzene	20.000	17.794	11.0	80	0.00
86 T	Hexachloroethane	20.000	18.372	8.1	84	0.00
87 M	1,2-Dichlorobenzene	20.000	19.009	5.0	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.382	8.1	87	0.00
89	1,2,4-Trichlorobenzene	20.000	16.843	15.8	85	0.00
90	Hexachlorobutadiene	20.000	18.112	9.4	79	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	15.726	21.4	85	0.00
92	1,2,3-Trichlorobenzene	20.000	17.064	14.7	85	0.00

(#) = Out of Range

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