

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN101219\
 Data File : VN058692.D
 Acq On : 11 Oct 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 11 17:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 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	94	0.00
2 M	Dichlorodifluoromethane	20.000	22.562	-12.8	101	0.00
3 M	Chloromethane	20.000	21.284	-6.4	97	0.00
4 M	Vinyl Chloride	20.000	21.075	-5.4	95	0.00
5 M	Bromomethane	20.000	21.594	-8.0	95	0.00
6 M	Chloroethane	20.000	21.067	-5.3	96	0.00
7 M	Trichlorofluoromethane	20.000	21.755	-8.8	99	0.00
8 T	Diethyl Ether	20.000	20.827	-4.1	94	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.905	-9.5	100	0.00
10 M	1,1-Dichloroethene	20.000	20.864	-4.3	95	0.00
11	Methyl Iodide	20.000	20.837	-4.2	98	0.00
12	Methyl Acetate	20.000	20.707	-3.5	97	0.00
13 M	Acrolein	100.000	93.271	6.7	91	0.00
14 M	Acrylonitrile	100.000	106.487	-6.5	102	0.00
15 M	Acetone	100.000	107.150	-7.2	103	0.00
16 M	Carbon Disulfide	20.000	20.765	-3.8	95	0.00
17	Allyl chloride	20.000	21.203	-6.0	97	0.00
18 M	Methylene Chloride	20.000	20.924	-4.6	96	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.117	-5.6	96	0.00
20 T	Diisopropyl ether	20.000	21.051	-5.3	97	0.00
21 M	1,1-Dichloroethane	20.000	21.588	-7.9	99	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.911	-4.6	95	0.00
23 M	tert-Butyl Alcohol	100.000	101.704	-1.7	97	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.223	-6.1	97	0.00
25 M	Chloroform	20.000	21.265	-6.3	97	0.00
26	Cyclohexane	20.000	20.972	-4.9	98	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.010	-3.4	96	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29	1,1-Dichloropropene	20.000	20.828	-4.1	97	0.00
30 M	2-Butanone	100.000	101.984	-2.0	98	0.00
31	2,2-Dichloropropane	20.000	21.130	-5.6	102	0.00
32 M	1,1,1-Trichloroethane	20.000	21.248	-6.2	98	0.00
33 M	Carbon Tetrachloride	20.000	21.152	-5.8	98	0.00
34 M	Benzene	20.000	20.734	-3.7	96	0.00
35	Methacrylonitrile	20.000	19.494	2.5	91	-0.01
36 M	1,2-Dichloroethane	20.000	21.475	-7.4	99	0.00
37 M	Trichloroethene	20.000	21.209	-6.0	99	0.00
38	Methylcyclohexane	20.000	20.191	-1.0	96	0.00
39 M	1,2-Dichloropropane	20.000	21.028	-5.1	96	0.00
40	Dibromomethane	20.000	20.696	-3.5	96	0.00
41 M	Bromodichloromethane	20.000	20.750	-3.8	96	0.00
42 M	Vinyl Acetate	100.000	108.286	-8.3	97	0.00
43	Ethyl Acetate	20.000	21.195	-6.0	98	0.00
44	Isopropyl Acetate	20.000	20.437	-2.2	97	0.00
45 T	1,4-Dioxane	400.000	385.575	3.6	93	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.563	-2.8	99	0.00
47	n-amyl Acetate	20.000	19.858	0.7	96	0.00
48 M	t-1,3-Dichloropropene	20.000	20.266	-1.3	96	0.00
49 T	cis-1,3-Dichloropropene	20.000	21.078	-5.4	99	0.00
50 M	1,1,2-Trichloroethane	20.000	21.183	-5.9	98	0.00
51	Ethyl methacrylate	20.000	20.040	-0.2	96	0.00
52	1,3-Dichloropropane	20.000	20.589	-2.9	96	0.00
53 M	Dibromochloromethane	20.000	20.759	-3.8	98	0.00
54 M	1,2-Dibromoethane	20.000	20.499	-2.5	96	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.855	-2.9	92	0.00
56 M	Bromoform	20.000	20.087	-0.4	98	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	100.000	110.085	-10.1	98	0.00
59 M	2-Hexanone	100.000	105.116	-5.1	97	0.00
60 S	4-Bromofluorobenzene	30.000	29.879	0.4	95	0.00
61 M	Tetrachloroethene	20.000	21.520	-7.6	97	0.00
62 M	Toluene	20.000	21.088	-5.4	96	0.00
63 S	Toluene-d8	30.000	30.291	-1.0	95	0.00
64 M	Chlorobenzene	20.000	20.916	-4.6	96	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.034	-5.2	98	0.00
66 M	Ethyl Benzene	20.000	20.861	-4.3	96	0.00
67 M	m/p-Xylenes	40.000	41.753	-4.4	96	0.00
68 M	o-Xylene	20.000	20.691	-3.5	96	0.00
69 M	Styrene	20.000	20.268	-1.3	96	0.00
70	Isopropylbenzene	20.000	21.010	-5.1	97	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.932	-4.7	97	0.00
72	1,2,3-Trichloropropane	20.000	22.351	-11.8	103	0.00
73	Bromobenzene	20.000	20.261	-1.3	95	0.00
74	n-propylbenzene	20.000	21.263	-6.3	96	0.00
75	2-Chlorotoluene	20.000	21.099	-5.5	98	0.00
76	1,3,5-Trimethylbenzene	20.000	20.860	-4.3	97	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.159	4.2	93	0.00
78	4-Chlorotoluene	20.000	20.764	-3.8	97	0.00
79	tert-butylbenzene	20.000	20.798	-4.0	97	0.00
80	1,2,4-Trimethylbenzene	20.000	21.057	-5.3	97	0.00
81	sec-Butylbenzene	20.000	20.766	-3.8	96	0.00
82	p-Isopropyltoluene	20.000	20.887	-4.4	97	0.00
83 M	1,3-Dichlorobenzene	20.000	20.680	-3.4	97	0.00
84 M	1,4-Dichlorobenzene	20.000	20.051	-0.3	94	0.00
85	n-Butylbenzene	20.000	20.508	-2.5	98	0.00
86 T	Hexachloroethane	20.000	19.720	1.4	94	0.00
87 M	1,2-Dichlorobenzene	20.000	20.455	-2.3	97	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.890	-4.5	97	0.00
89	1,2,4-Trichlorobenzene	20.000	19.965	0.2	96	0.00
90	Hexachlorobutadiene	20.000	20.401	-2.0	97	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	20.178	-0.9	96	0.00
92	1,2,3-Trichlorobenzene	20.000	20.128	-0.6	96	0.00

(#) = Out of Range

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