

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064252.D
 Acq On : 22 Oct 2020 14:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 23 01:18:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 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	86	0.00
2 M	Dichlorodifluoromethane	20.000	23.584	-17.9	107	0.00
3 M	Chloromethane	20.000	21.946	-9.7	101	0.00
4 M	Vinyl Chloride	20.000	21.442	-7.2	98	0.00
5 M	Bromomethane	20.000	24.325	-21.6	116	0.00
6 M	Chloroethane	20.000	21.711	-8.6	101	0.00
7 M	Trichlorofluoromethane	20.000	23.166	-15.8	102	0.00
8 T	Diethyl Ether	20.000	21.576	-7.9	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.669	-8.3	100	0.00
10 M	1,1-Dichloroethene	20.000	20.262	-1.3	97	0.00
11	Methyl Iodide	20.000	20.062	-0.3	100	0.00
12	Methyl Acetate	20.000	24.030	-20.2	118	0.00
13 M	Acrolein	100.000	121.200	-21.2	137	0.00
14 M	Acrylonitrile	100.000	110.060	-10.1	109	0.00
15 M	Acetone	100.000	117.129	-17.1	121	0.00
16 M	Carbon Disulfide	20.000	20.786	-3.9	99	0.00
17	Allyl chloride	20.000	21.960	-9.8	106	0.00
18 M	Methylene Chloride	20.000	21.261	-6.3	106	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.199	-6.0	102	0.00
20 T	Diisopropyl ether	20.000	22.106	-10.5	106	0.00
21 M	1,1-Dichloroethane	20.000	21.871	-9.4	105	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.467	-7.3	103	0.00
23 M	tert-Butyl Alcohol	100.000	113.582	-13.6	118	0.00
24 M	Methyl tert-Butyl Ether	20.000	22.471	-12.4	108	0.00
25 M	Chloroform	20.000	22.766	-13.8	110	0.00
26	Cyclohexane	20.000	19.959	0.2	98	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.665	-12.2	93	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29	1,1-Dichloropropene	20.000	20.915	-4.6	103	0.00
30 M	2-Butanone	100.000	107.137	-7.1	113	0.00
31	2,2-Dichloropropane	20.000	20.147	-0.7	100	0.00
32 M	1,1,1-Trichloroethane	20.000	21.445	-7.2	108	0.00
33 M	Carbon Tetrachloride	20.000	20.691	-3.5	104	0.00
34 M	Benzene	20.000	20.673	-3.4	105	0.00
35	Methacrylonitrile	20.000	20.701	-3.5	111	0.00
36 M	1,2-Dichloroethane	20.000	22.123	-10.6	111	0.00
37 M	Trichloroethene	20.000	20.525	-2.6	104	0.00
38	Methylcyclohexane	20.000	19.077	4.6	98	0.00
39 M	1,2-Dichloropropane	20.000	20.922	-4.6	105	0.00
40	Dibromomethane	20.000	20.571	-2.9	105	0.00
41 M	Bromodichloromethane	20.000	20.827	-4.1	106	0.00
42 M	Vinyl Acetate	100.000	104.432	-4.4	106	0.00
43	Ethyl Acetate	20.000	20.600	-3.0	107	0.00
44	Isopropyl Acetate	20.000	20.895	-4.5	106	0.00
45 T	1,4-Dioxane	400.000	428.175	-7.0	119	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	21.515	-7.6	109	0.00
47	n-amyl Acetate	20.000	19.389	3.1	104	0.00
48 M	t-1,3-Dichloropropene	20.000	20.853	-4.3	107	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.281	-1.4	105	0.00
50 M	1,1,2-Trichloroethane	20.000	20.659	-3.3	104	0.00
51	Ethyl methacrylate	20.000	20.116	-0.6	104	0.00
52	1,3-Dichloropropane	20.000	21.140	-5.7	108	0.00
53 M	Dibromochloromethane	20.000	20.768	-3.8	107	0.00
54 M	1,2-Dibromoethane	20.000	20.782	-3.9	106	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.111	9.9	88	0.00
56 M	Bromoform	20.000	19.704	1.5	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	88	0.00
58 M	4-Methyl-2-Pentanone	100.000	107.528	-7.5	110	0.00
59 M	2-Hexanone	100.000	105.620	-5.6	108	0.00
60 S	4-Bromofluorobenzene	30.000	30.070	-0.2	87	0.00
61 M	Tetrachloroethene	20.000	21.598	-8.0	109	0.00
62 M	Toluene	20.000	20.968	-4.8	105	0.00
63 S	Toluene-d8	30.000	29.884	0.4	87	0.00
64 M	Chlorobenzene	20.000	20.706	-3.5	104	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.120	-5.6	107	0.00
66 M	Ethyl Benzene	20.000	21.023	-5.1	105	0.00
67 M	m/p-Xylenes	40.000	40.776	-1.9	103	0.00
68 M	o-Xylene	20.000	20.880	-4.4	108	0.00
69 M	Styrene	20.000	20.359	-1.8	105	0.00
70	Isopropylbenzene	20.000	20.975	-4.9	106	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.484	-2.4	105	0.00
72	1,2,3-Trichloropropane	20.000	19.680	1.6	103	0.00
73	Bromobenzene	20.000	20.925	-4.6	103	0.00
74	n-propylbenzene	20.000	20.790	-3.9	105	0.00
75	2-Chlorotoluene	20.000	21.148	-5.7	108	0.00
76	1,3,5-Trimethylbenzene	20.000	20.857	-4.3	106	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.662	1.7	102	0.00
78	4-Chlorotoluene	20.000	21.012	-5.1	108	0.00
79	tert-butylbenzene	20.000	21.086	-5.4	107	0.00
80	1,2,4-Trimethylbenzene	20.000	20.827	-4.1	105	0.00
81	sec-Butylbenzene	20.000	20.135	-0.7	101	0.00
82	p-Isopropyltoluene	20.000	20.588	-2.9	104	0.00
83 M	1,3-Dichlorobenzene	20.000	20.441	-2.2	106	0.00
84 M	1,4-Dichlorobenzene	20.000	20.315	-1.6	103	0.00
85	n-Butylbenzene	20.000	19.661	1.7	101	0.00
86 T	Hexachloroethane	20.000	20.201	-1.0	102	0.00
87 M	1,2-Dichlorobenzene	20.000	20.505	-2.5	108	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.916	0.4	106	0.00
89	1,2,4-Trichlorobenzene	20.000	19.007	5.0	96	0.00
90	Hexachlorobutadiene	20.000	19.253	3.7	98	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.349	3.3	101	0.00
92	1,2,3-Trichlorobenzene	20.000	19.515	2.4	101	0.00

(#) = Out of Range

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