

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069448.D
 Acq On : 10 Nov 2021 19:36
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 11 03:14:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 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	103	0.00
2 M	Dichlorodifluoromethane	20.000	22.354	-11.8	99	0.00
3 M	Chloromethane	20.000	23.091	-15.5	106	0.00
4 M	Vinyl Chloride	20.000	22.582	-12.9	104	0.00
5 M	Bromomethane	20.000	22.719	-13.6	104	-0.01
6 M	Chloroethane	20.000	22.772	-13.9	102	0.00
7 M	Trichlorofluoromethane	20.000	21.882	-9.4	97	0.00
8 T	Diethyl Ether	20.000	21.844	-9.2	103	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.349	-6.7	98	-0.02
10 M	1,1-Dichloroethene	20.000	21.484	-7.4	101	-0.02
11	Methyl Iodide	20.000	20.274	-1.4	100	-0.01
12	Methyl Acetate	20.000	23.456	-17.3	110	0.00
13 M	Acrolein	100.000	83.864	16.1	89	0.00
14 M	Acrylonitrile	100.000	112.947	-12.9	112	0.00
15 M	Acetone	100.000	89.100	10.9	73	0.00
16 M	Carbon Disulfide	20.000	20.107	-0.5	100	-0.01
17	Allyl chloride	20.000	21.195	-6.0	104	0.00
18 M	Methylene Chloride	20.000	21.343	-6.7	103	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.746	-3.7	100	0.00
20 T	Diisopropyl ether	20.000	21.283	-6.4	103	0.00
21 M	1,1-Dichloroethane	20.000	21.349	-6.7	102	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.038	-5.2	101	0.00
23 M	tert-Butyl Alcohol	100.000	122.293	-22.3	125	0.02
24 M	Methyl tert-Butyl Ether	20.000	21.809	-9.0	105	0.00
25 M	Chloroform	20.000	21.474	-7.4	102	0.00
26	Cyclohexane	20.000	21.488	-7.4	102	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.414	-4.7	102	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	20.519	-2.6	99	0.00
30 M	2-Butanone	100.000	105.583	-5.6	101	0.00
31	2,2-Dichloropropane	20.000	18.960	5.2	96	0.00
32 M	1,1,1-Trichloroethane	20.000	20.246	-1.2	101	0.00
33 M	Carbon Tetrachloride	20.000	20.087	-0.4	101	0.00
34 M	Benzene	20.000	21.174	-5.9	103	0.00
35	Methacrylonitrile	20.000	21.795	-9.0	113	0.00
36 M	1,2-Dichloroethane	20.000	21.159	-5.8	102	0.00
37 M	Trichloroethene	20.000	20.173	-0.9	101	0.00
38	Methylcyclohexane	20.000	20.160	-0.8	100	0.00
39 M	1,2-Dichloropropane	20.000	21.022	-5.1	104	0.00
40	Dibromomethane	20.000	20.928	-4.6	104	0.00
41 M	Bromodichloromethane	20.000	20.074	-0.4	104	0.00
42 M	Vinyl Acetate	100.000	105.209	-5.2	106	0.00
43	Ethyl Acetate	20.000	21.848	-9.2	114	0.00
44	Isopropyl Acetate	20.000	21.721	-8.6	110	0.00
45 T	1,4-Dioxane	400.000	469.615	-17.4	121	0.00
46	Methyl methacrylate	20.000	21.251	-6.3	110	0.00
47	n-amyl Acetate	20.000	20.326	-1.6	114	0.00
48 M	t-1,3-Dichloropropene	20.000	19.283	3.6	104	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.664	1.7	103	0.00
50 M	1,1,2-Trichloroethane	20.000	21.014	-5.1	106	0.00
51	Ethyl methacrylate	20.000	20.670	-3.4	110	0.00
52	1,3-Dichloropropane	20.000	20.991	-5.0	104	0.00
53 M	Dibromochloromethane	20.000	19.499	2.5	106	0.00
54 M	1,2-Dibromoethane	20.000	20.649	-3.2	105	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.997	9.0	108	0.00
56 M	Bromoform	20.000	18.295	8.5	108	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	102	0.00
58 M	4-Methyl-2-Pentanone	100.000	117.533	-17.5	115	0.00
59 M	2-Hexanone	100.000	113.135	-13.1	111	0.00
60 S	4-Bromofluorobenzene	30.000	29.212	2.6	101	0.00
61 M	Tetrachloroethene	20.000	20.479	-2.4	98	0.00
62 M	Toluene	20.000	21.521	-7.6	102	0.00
63 S	Toluene-d8	30.000	31.022	-3.4	103	0.00
64 M	Chlorobenzene	20.000	20.805	-4.0	102	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.807	-4.0	103	0.00
66 M	Ethyl Benzene	20.000	20.973	-4.9	101	0.00
67 M	m/p-Xylenes	40.000	42.143	-5.4	101	0.00
68 M	o-Xylene	20.000	20.848	-4.2	100	0.00
69 M	Styrene	20.000	20.499	-2.5	102	0.00
70	Isopropylbenzene	20.000	20.970	-4.8	102	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.723	-8.6	108	0.00
72	1,2,3-Trichloropropane	20.000	20.182	-0.9	102	0.00
73	Bromobenzene	20.000	20.628	-3.1	105	0.00
74	n-propylbenzene	20.000	20.259	-1.3	100	0.00
75	2-Chlorotoluene	20.000	20.660	-3.3	102	0.00
76	1,3,5-Trimethylbenzene	20.000	20.781	-3.9	101	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.228	8.9	111	0.00
78	4-Chlorotoluene	20.000	20.194	-1.0	102	0.00
79	tert-butylbenzene	20.000	20.621	-3.1	104	0.00
80	1,2,4-Trimethylbenzene	20.000	20.714	-3.6	101	0.00
81	sec-Butylbenzene	20.000	20.140	-0.7	100	0.00
82	p-Isopropyltoluene	20.000	20.105	-0.5	102	0.00
83 M	1,3-Dichlorobenzene	20.000	20.672	-3.4	105	0.00
84 M	1,4-Dichlorobenzene	20.000	20.125	-0.6	103	0.00
85	n-Butylbenzene	20.000	18.689	6.6	102	0.00
86 T	Hexachloroethane	20.000	18.805	6.0	104	0.00
87 M	1,2-Dichlorobenzene	20.000	20.994	-5.0	105	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	21.371	-6.9	119	0.00
89	1,2,4-Trichlorobenzene	20.000	18.886	5.6	110	0.00
90	Hexachlorobutadiene	20.000	20.212	-1.1	103	0.00
91 M	Naphthalene	20.000	20.540	-2.7	130	0.00
92	1,2,3-Trichlorobenzene	20.000	20.045	-0.2	116	0.00

(#) = Out of Range

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