

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092822\
 Data File : VN074642.D
 Acq On : 28 Sep 2022 10:31
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 28 18:17:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	64	0.00
2 M	Dichlorodifluoromethane	20.000	23.141	-15.7	72	0.00
3 M	Chloromethane	20.000	25.473	-27.4#	80	0.00
4 M	Vinyl Chloride	20.000	27.556	-37.8#	86	0.00
5 M	Bromomethane	20.000	30.789	-53.9#	87	0.00
6 M	Chloroethane	20.000	31.750	-58.8#	100	0.00
7 M	Trichlorofluoromethane	20.000	23.837	-19.2	74	0.00
8 T	Diethyl Ether	20.000	22.353	-11.8	69	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.950	-19.7	77	0.00
10 M	1,1-Dichloroethene	20.000	21.830	-9.1	68	0.00
11	Methyl Iodide	20.000	22.180	-10.9	71	0.00
12	Methyl Acetate	20.000	22.393	-12.0	71	0.00
13 M	Acrolein	100.000	98.556	1.4	66	0.00
14 M	Acrylonitrile	100.000	112.042	-12.0	71	0.00
15 M	Acetone	100.000	114.258	-14.3	72	0.00
16 M	Carbon Disulfide	20.000	22.101	-10.5	71	0.00
17	Allyl chloride	20.000	23.428	-17.1	74	0.00
18 M	Methylene Chloride	20.000	23.055	-15.3	71	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.052	-10.3	72	0.00
20 T	Diisopropyl ether	20.000	23.298	-16.5	75	0.00
21 M	1,1-Dichloroethane	20.000	23.710	-18.6	75	0.00
22 M	cis-1,2-Dichloroethene	20.000	22.629	-13.1	72	0.00
23 M	tert-Butyl Alcohol	100.000	110.224	-10.2	68	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.852	-9.3	70	0.00
25 M	Chloroform	20.000	22.517	-12.6	72	0.00
26	Cyclohexane	20.000	23.717	-18.6	74	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.408	-8.0	69	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	67	0.00
29	1,1-Dichloropropene	20.000	21.908	-9.5	77	0.00
30 M	2-Butanone	100.000	106.851	-6.9	72	0.00
31	2,2-Dichloropropane	20.000	21.800	-9.0	74	0.00
32 M	1,1,1-Trichloroethane	20.000	21.018	-5.1	72	0.00
33 M	Carbon Tetrachloride	20.000	20.510	-2.6	71	0.00
34 M	Benzene	20.000	21.239	-6.2	73	0.00
35	Methacrylonitrile	20.000	19.383	3.1	67	0.00
36 M	1,2-Dichloroethane	20.000	20.935	-4.7	74	0.00
37 M	Trichloroethene	20.000	21.519	-7.6	72	0.00
38	Methylcyclohexane	20.000	21.732	-8.7	76	0.00
39 M	1,2-Dichloropropane	20.000	21.749	-8.7	73	0.00
40	Dibromomethane	20.000	20.862	-4.3	72	0.00
41 M	Bromodichloromethane	20.000	20.789	-3.9	72	0.00
42 M	Vinyl Acetate	100.000	107.885	-7.9	74	0.00
43	Ethyl Acetate	20.000	21.168	-5.8	71	0.00
44	Isopropyl Acetate	20.000	21.858	-9.3	74	0.00
45 T	1,4-Dioxane	400.000	383.762	4.1	60	0.00
46	Methyl methacrylate	20.000	22.232	-11.2	76	0.00
47	n-amyl Acetate	20.000	20.038	-0.2	73	0.00
48 M	t-1,3-Dichloropropene	20.000	19.023	4.9	69	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.413	-2.1	71	0.00
50 M	1,1,2-Trichloroethane	20.000	20.958	-4.8	70	0.00
51	Ethyl methacrylate	20.000	19.805	1.0	71	0.00
52	1,3-Dichloropropane	20.000	20.670	-3.4	71	0.00
53 M	Dibromochloromethane	20.000	19.880	0.6	71	0.00
54 M	1,2-Dibromoethane	20.000	19.386	3.1	68	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.348	0.7	71	0.00
56 M	Bromoform	20.000	17.294	13.5	69	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	65	0.00
58 M	4-Methyl-2-Pentanone	100.000	113.882	-13.9	73	0.00
59 M	2-Hexanone	100.000	110.662	-10.7	72	0.00
60 S	4-Bromofluorobenzene	30.000	25.993	13.4	62	0.00
61 M	Tetrachloroethene	20.000	21.765	-8.8	75	0.00
62 M	Toluene	20.000	21.156	-5.8	72	0.00
63 S	Toluene-d8	30.000	30.583	-1.9	67	0.00
64 M	Chlorobenzene	20.000	21.439	-7.2	71	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.493	-2.5	68	0.00
66 M	Ethyl Benzene	20.000	21.900	-9.5	73	0.00
67 M	m/p-Xylenes	40.000	40.301	-0.8	72	0.00
68 M	o-Xylene	20.000	20.422	-2.1	73	0.00
69 M	Styrene	20.000	19.030	4.8	71	0.00
70	Isopropylbenzene	20.000	19.794	1.0	72	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.668	-3.3	68	0.00
72	1,2,3-Trichloropropane	20.000	19.984	0.1	70	0.00
73	Bromobenzene	20.000	19.903	0.5	69	0.00
74	n-propylbenzene	20.000	20.834	-4.2	74	0.00
75	2-Chlorotoluene	20.000	20.006	-0.0	72	0.00
76	1,3,5-Trimethylbenzene	20.000	19.562	2.2	73	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.923	5.4	67	0.00
78	4-Chlorotoluene	20.000	19.136	4.3	73	0.00
79	tert-butylbenzene	20.000	19.341	3.3	72	0.00
80	1,2,4-Trimethylbenzene	20.000	19.419	2.9	74	0.00
81	sec-Butylbenzene	20.000	19.683	1.6	73	0.00
82	p-Isopropyltoluene	20.000	19.078	4.6	73	0.00
83 M	1,3-Dichlorobenzene	20.000	18.065	9.7	71	0.00
84 M	1,4-Dichlorobenzene	20.000	18.168	9.2	72	0.00
85	n-Butylbenzene	20.000	18.920	5.4	75	0.00
86 T	Hexachloroethane	20.000	20.847	-4.2	71	0.00
87 M	1,2-Dichlorobenzene	20.000	17.850	10.7	70	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.316	-1.6	70	0.00
89	1,2,4-Trichlorobenzene	20.000	19.454	2.7	71	0.00
90	Hexachlorobutadiene	20.000	21.057	-5.3	73	0.00
91 M	Naphthalene	20.000	18.606	7.0	67	0.00
92	1,2,3-Trichlorobenzene	20.000	19.018	4.9	68	0.00

(#) = Out of Range

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