

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077428.D
 Acq On : 21 Apr 2023 17:38
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 22 02:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 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	94	0.00
2 M	Dichlorodifluoromethane	20.000	20.246	-1.2	103	0.00
3 M	Chloromethane	20.000	13.672	31.6#	70	0.00
4 M	Vinyl Chloride	20.000	13.834	30.8#	71	0.00
5 M	Bromomethane	20.000	15.203	24.0	85	0.02
6 M	Chloroethane	20.000	15.085	24.6	76	0.01
7 M	Trichlorofluoromethane	20.000	21.976	-9.9	114	0.00
8 T	Diethyl Ether	20.000	19.288	3.6	97	0.01
9	1,1,2-Trichlorotrifluoroeth	20.000	20.909	-4.5	106	0.00
10 M	1,1-Dichloroethene	20.000	19.616	1.9	103	0.00
11	Methyl Iodide	20.000	21.922	-9.6	108	0.00
12	Methyl Acetate	20.000	18.251	8.7	93	0.00
13 M	Acrolein	100.000	104.596	-4.6	101	0.00
14 M	Acrylonitrile	100.000	86.207	13.8	89	0.01
15 M	Acetone	100.000	65.968	34.0#	58	0.00
16 M	Carbon Disulfide	20.000	16.702	16.5	87	0.00
17	Allyl chloride	20.000	17.016	14.9	83	0.00
18 M	Methylene Chloride	20.000	18.951	5.2	99	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.343	3.3	101	0.00
20 T	Diisopropyl ether	20.000	17.161	14.2	89	0.00
21 M	1,1-Dichloroethane	20.000	18.943	5.3	98	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.084	4.6	100	0.00
23 M	tert-Butyl Alcohol	100.000	84.195	15.8	82	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.726	1.4	100	0.00
25 M	Chloroform	20.000	20.238	-1.2	105	0.00
26	Cyclohexane	20.000	17.764	11.2	92	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.420	-1.4	98	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29	1,1-Dichloropropene	20.000	19.477	2.6	98	0.00
30 M	2-Butanone	100.000	76.080	23.9	72	0.00
31	2,2-Dichloropropane	20.000	17.534	12.3	89	0.00
32 M	1,1,1-Trichloroethane	20.000	20.944	-4.7	104	0.00
33 M	Carbon Tetrachloride	20.000	20.471	-2.4	101	0.00
34 M	Benzene	20.000	19.323	3.4	97	0.00
35	Methacrylonitrile	20.000	17.646	11.8	90	0.00
36 M	1,2-Dichloroethane	20.000	20.921	-4.6	103	0.00
37 M	Trichloroethene	20.000	20.170	-0.9	103	0.00
38	Methylcyclohexane	20.000	18.247	8.8	93	0.00
39 M	1,2-Dichloropropane	20.000	18.928	5.4	94	0.00
40	Dibromomethane	20.000	20.111	-0.6	101	0.00
41 M	Bromodichloromethane	20.000	19.907	0.5	99	0.00
42 M	Vinyl Acetate	100.000	96.401	3.6	97	0.00
43	Ethyl Acetate	20.000	17.689	11.6	89	0.00
44	Isopropyl Acetate	20.000	17.132	14.3	84	0.00
45 T	1,4-Dioxane	400.000	375.330	6.2	92	0.00
46	Methyl methacrylate	20.000	17.727	11.4	90	0.00
47	n-amyl Acetate	20.000	15.996	20.0	81	0.00
48 M	t-1,3-Dichloropropene	20.000	17.762	11.2	91	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	18.231	8.8	92	0.00
50 M	1,1,2-Trichloroethane	20.000	19.897	0.5	102	0.00
51	Ethyl methacrylate	20.000	18.768	6.2	95	0.00
52	1,3-Dichloropropane	20.000	19.482	2.6	99	0.00
53 M	Dibromochloromethane	20.000	19.511	2.4	99	0.00
54 M	1,2-Dibromoethane	20.000	19.985	0.1	100	0.00
55 M	2-Chloroethyl vinyl ether	100.000	111.672	-11.7	111	0.00
56 M	Bromoform	20.000	18.514	7.4	93	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	100.000	86.112	13.9	85	0.00
59 M	2-Hexanone	100.000	78.769	21.2	76	0.00
60 S	4-Bromofluorobenzene	30.000	29.659	1.1	95	0.00
61 M	Tetrachloroethene	20.000	19.855	0.7	103	0.00
62 M	Toluene	20.000	19.748	1.3	100	0.00
63 S	Toluene-d8	30.000	29.803	0.7	96	0.00
64 M	Chlorobenzene	20.000	20.376	-1.9	104	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.244	-1.2	100	0.00
66 M	Ethyl Benzene	20.000	19.526	2.4	100	0.00
67 M	m/p-Xylenes	40.000	38.596	3.5	100	0.00
68 M	o-Xylene	20.000	19.499	2.5	99	0.00
69 M	Styrene	20.000	18.948	5.3	97	0.00
70	Isopropylbenzene	20.000	19.794	1.0	100	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.311	3.4	98	0.00
72	1,2,3-Trichloropropane	20.000	21.243	-6.2	101	0.00
73	Bromobenzene	20.000	20.715	-3.6	105	0.00
74	n-propylbenzene	20.000	19.300	3.5	100	0.00
75	2-Chlorotoluene	20.000	19.347	3.3	98	0.00
76	1,3,5-Trimethylbenzene	20.000	18.556	7.2	94	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.288	23.6	78	0.00
78	4-Chlorotoluene	20.000	19.067	4.7	99	0.00
79	tert-butylbenzene	20.000	19.653	1.7	98	0.00
80	1,2,4-Trimethylbenzene	20.000	17.543	12.3	87	0.00
81	sec-Butylbenzene	20.000	19.136	4.3	96	0.00
82	p-Isopropyltoluene	20.000	18.474	7.6	93	0.00
83 M	1,3-Dichlorobenzene	20.000	18.649	6.8	98	0.00
84 M	1,4-Dichlorobenzene	20.000	18.385	8.1	96	0.00
85	n-Butylbenzene	20.000	17.015	14.9	90	0.00
86 T	Hexachloroethane	20.000	17.738	11.3	91	0.00
87 M	1,2-Dichlorobenzene	20.000	19.605	2.0	99	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.357	8.2	97	0.00
89	1,2,4-Trichlorobenzene	20.000	11.867	40.7#	68	0.00
90	Hexachlorobutadiene	20.000	19.871	0.6	104	0.00
91 M	Naphthalene	20.000	11.934	40.3#	67	0.00
92	1,2,3-Trichlorobenzene	20.000	12.183	39.1#	68	0.00

(#) = Out of Range

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