

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040723\
 Data File : VN077282.D
 Acq On : 07 Apr 2023 17:53
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 08 05:23:21 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	87	0.00
2 M	Dichlorodifluoromethane	20.000	19.299	3.5	91	0.00
3 M	Chloromethane	20.000	19.669	1.7	92	0.00
4 M	Vinyl Chloride	20.000	19.042	4.8	90	0.00
5 M	Bromomethane	20.000	17.714	11.4	91	0.01
6 M	Chloroethane	20.000	20.416	-2.1	94	0.01
7 M	Trichlorofluoromethane	20.000	18.770	6.2	90	0.00
8 T	Diethyl Ether	20.000	19.573	2.1	91	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.373	3.1	90	0.00
10 M	1,1-Dichloroethene	20.000	18.947	5.3	92	0.00
11	Methyl Iodide	20.000	19.628	1.9	89	0.00
12	Methyl Acetate	20.000	20.381	-1.9	95	0.00
13 M	Acrolein	100.000	98.958	1.0	88	0.00
14 M	Acrylonitrile	100.000	103.686	-3.7	98	0.00
15 M	Acetone	100.000	79.998	20.0	64	0.00
16 M	Carbon Disulfide	20.000	18.062	9.7	87	0.00
17	Allyl chloride	20.000	17.757	11.2	80	0.00
18 M	Methylene Chloride	20.000	18.723	6.4	90	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.956	5.2	91	0.01
20 T	Diisopropyl ether	20.000	19.327	3.4	92	0.00
21 M	1,1-Dichloroethane	20.000	19.330	3.4	92	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.115	4.4	93	0.00
23 M	tert-Butyl Alcohol	100.000	100.296	-0.3	90	0.01
24 M	Methyl tert-Butyl Ether	20.000	19.783	1.1	93	0.00
25 M	Chloroform	20.000	19.359	3.2	92	0.00
26	Cyclohexane	20.000	19.013	4.9	91	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.996	-3.3	92	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	18.675	6.6	89	0.00
30 M	2-Butanone	100.000	90.866	9.1	81	0.00
31	2,2-Dichloropropane	20.000	18.189	9.1	87	0.00
32 M	1,1,1-Trichloroethane	20.000	19.066	4.7	90	0.00
33 M	Carbon Tetrachloride	20.000	19.054	4.7	89	0.00
34 M	Benzene	20.000	19.038	4.8	90	0.00
35	Methacrylonitrile	20.000	21.537	-7.7	104	0.00
36 M	1,2-Dichloroethane	20.000	20.153	-0.8	94	0.00
37 M	Trichloroethene	20.000	18.820	5.9	91	0.00
38	Methylcyclohexane	20.000	18.748	6.3	90	0.00
39 M	1,2-Dichloropropane	20.000	19.137	4.3	90	0.00
40	Dibromomethane	20.000	19.896	0.5	94	0.00
41 M	Bromodichloromethane	20.000	19.185	4.1	90	0.00
42 M	Vinyl Acetate	100.000	97.255	2.7	93	0.00
43	Ethyl Acetate	20.000	20.678	-3.4	98	0.00
44	Isopropyl Acetate	20.000	19.798	1.0	92	0.00
45 T	1,4-Dioxane	400.000	418.093	-4.5	97	0.00
46	Methyl methacrylate	20.000	19.457	2.7	93	0.00
47	n-amyl Acetate	20.000	19.502	2.5	93	0.00
48 M	t-1,3-Dichloropropene	20.000	19.273	3.6	93	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.294	3.5	92	0.00
50 M	1,1,2-Trichloroethane	20.000	19.487	2.6	94	0.00
51	Ethyl methacrylate	20.000	19.700	1.5	94	0.00
52	1,3-Dichloropropane	20.000	19.603	2.0	94	0.00
53 M	Dibromochloromethane	20.000	19.725	1.4	95	0.00
54 M	1,2-Dibromoethane	20.000	19.610	2.0	93	0.00
55 M	2-Chloroethyl vinyl ether	100.000	102.212	-2.2	96	0.00
56 M	Bromoform	20.000	19.121	4.4	91	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.360	-0.4	94	0.00
59 M	2-Hexanone	100.000	94.835	5.2	87	0.00
60 S	4-Bromofluorobenzene	30.000	29.057	3.1	89	0.00
61 M	Tetrachloroethene	20.000	19.104	4.5	94	0.00
62 M	Toluene	20.000	18.883	5.6	91	0.00
63 S	Toluene-d8	30.000	29.732	0.9	91	0.00
64 M	Chlorobenzene	20.000	19.055	4.7	93	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.127	4.4	90	0.00
66 M	Ethyl Benzene	20.000	18.916	5.4	92	0.00
67 M	m/p-Xylenes	40.000	37.752	5.6	93	0.00
68 M	o-Xylene	20.000	19.186	4.1	93	0.00
69 M	Styrene	20.000	19.032	4.8	93	0.00
70	Isopropylbenzene	20.000	18.732	6.3	90	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.061	-0.3	97	0.00
72	1,2,3-Trichloropropane	20.000	20.740	-3.7	94	0.00
73	Bromobenzene	20.000	19.137	4.3	92	0.00
74	n-propylbenzene	20.000	18.947	5.3	93	0.00
75	2-Chlorotoluene	20.000	19.366	3.2	93	0.00
76	1,3,5-Trimethylbenzene	20.000	19.009	5.0	91	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.943	-4.7	102	0.00
78	4-Chlorotoluene	20.000	19.029	4.9	94	0.00
79	tert-butylbenzene	20.000	19.305	3.5	92	0.00
80	1,2,4-Trimethylbenzene	20.000	19.095	4.5	90	0.00
81	sec-Butylbenzene	20.000	18.748	6.3	89	0.00
82	p-Isopropyltoluene	20.000	18.775	6.1	90	0.00
83 M	1,3-Dichlorobenzene	20.000	18.502	7.5	92	0.00
84 M	1,4-Dichlorobenzene	20.000	18.136	9.3	90	0.00
85	n-Butylbenzene	20.000	17.836	10.8	90	0.00
86 T	Hexachloroethane	20.000	18.572	7.1	91	0.00
87 M	1,2-Dichlorobenzene	20.000	19.102	4.5	92	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.651	6.7	94	0.00
89	1,2,4-Trichlorobenzene	20.000	17.547	12.3	96	0.00
90	Hexachlorobutadiene	20.000	18.170	9.1	90	0.00
91 M	Naphthalene	20.000	18.731	6.3	100	0.00
92	1,2,3-Trichlorobenzene	20.000	17.464	12.7	92	0.00

(#) = Out of Range

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