

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077341.D
 Acq On : 14 Apr 2023 09:29
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 17 05:04:34 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	83	0.00
2 M	Dichlorodifluoromethane	20.000	19.193	4.0	87	0.00
3 M	Chloromethane	20.000	17.219	13.9	77	0.00
4 M	Vinyl Chloride	20.000	17.742	11.3	80	0.00
5 M	Bromomethane	20.000	17.022	14.9	84	0.01
6 M	Chloroethane	20.000	18.810	6.0	83	0.01
7 M	Trichlorofluoromethane	20.000	19.036	4.8	87	0.00
8 T	Diethyl Ether	20.000	18.220	8.9	81	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.251	3.7	86	0.00
10 M	1,1-Dichloroethene	20.000	18.032	9.8	84	0.00
11	Methyl Iodide	20.000	19.841	0.8	86	0.00
12	Methyl Acetate	20.000	17.872	10.6	80	0.00
13 M	Acrolein	100.000	94.335	5.7	81	0.00
14 M	Acrylonitrile	100.000	85.522	14.5	78	0.00
15 M	Acetone	100.000	77.464	22.5	60	0.00
16 M	Carbon Disulfide	20.000	17.123	14.4	79	0.00
17	Allyl chloride	20.000	15.253	23.7	65	0.00
18 M	Methylene Chloride	20.000	18.159	9.2	84	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.866	10.7	82	0.00
20 T	Diisopropyl ether	20.000	17.277	13.6	79	0.01
21 M	1,1-Dichloroethane	20.000	18.207	9.0	83	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.894	5.5	88	0.00
23 M	tert-Butyl Alcohol	100.000	86.277	13.7	74	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.269	8.7	82	0.00
25 M	Chloroform	20.000	18.559	7.2	85	0.00
26	Cyclohexane	20.000	17.352	13.2	79	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.613	4.6	81	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	87	0.00
29	1,1-Dichloropropene	20.000	17.766	11.2	82	0.00
30 M	2-Butanone	100.000	76.839	23.2	66	0.00
31	2,2-Dichloropropane	20.000	17.451	12.7	81	0.00
32 M	1,1,1-Trichloroethane	20.000	18.237	8.8	83	0.00
33 M	Carbon Tetrachloride	20.000	18.245	8.8	82	0.00
34 M	Benzene	20.000	18.267	8.7	83	0.00
35	Methacrylonitrile	20.000	16.713	16.4	78	0.00
36 M	1,2-Dichloroethane	20.000	18.231	8.8	82	0.00
37 M	Trichloroethene	20.000	18.711	6.4	87	0.00
38	Methylcyclohexane	20.000	17.863	10.7	83	0.00
39 M	1,2-Dichloropropane	20.000	18.121	9.4	82	0.00
40	Dibromomethane	20.000	18.156	9.2	83	0.00
41 M	Bromodichloromethane	20.000	18.042	9.8	82	0.00
42 M	Vinyl Acetate	100.000	94.206	5.8	87	0.00
43	Ethyl Acetate	20.000	16.810	16.0	77	0.00
44	Isopropyl Acetate	20.000	16.941	15.3	76	0.00
45 T	1,4-Dioxane	400.000	359.233	10.2	80	0.00
46	Methyl methacrylate	20.000	16.413	17.9	76	0.00
47	n-amyl Acetate	20.000	17.180	14.1	79	0.00
48 M	t-1,3-Dichloropropene	20.000	16.961	15.2	79	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.872	10.6	82	0.00
50 M	1,1,2-Trichloroethane	20.000	18.045	9.8	84	0.00
51	Ethyl methacrylate	20.000	17.546	12.3	81	0.00
52	1,3-Dichloropropane	20.000	18.064	9.7	84	0.00
53 M	Dibromochloromethane	20.000	18.630	6.9	86	0.00
54 M	1,2-Dibromoethane	20.000	17.959	10.2	82	0.00
55 M	2-Chloroethyl vinyl ether	100.000	92.548	7.5	84	0.00
56 M	Bromoform	20.000	17.925	10.4	82	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	100.000	85.825	14.2	77	0.00
59 M	2-Hexanone	100.000	80.489	19.5	71	0.00
60 S	4-Bromofluorobenzene	30.000	29.545	1.5	86	0.00
61 M	Tetrachloroethene	20.000	18.243	8.8	86	0.00
62 M	Toluene	20.000	18.422	7.9	85	0.00
63 S	Toluene-d8	30.000	29.736	0.9	87	0.00
64 M	Chlorobenzene	20.000	18.618	6.9	86	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.143	4.3	86	0.00
66 M	Ethyl Benzene	20.000	18.327	8.4	85	0.00
67 M	m/p-Xylenes	40.000	36.990	7.5	87	0.00
68 M	o-Xylene	20.000	18.336	8.3	85	0.00
69 M	Styrene	20.000	18.149	9.3	85	0.00
70	Isopropylbenzene	20.000	18.675	6.6	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.322	8.4	84	0.00
72	1,2,3-Trichloropropane	20.000	19.686	1.6	85	0.00
73	Bromobenzene	20.000	19.044	4.8	87	0.00
74	n-propylbenzene	20.000	18.820	5.9	88	0.00
75	2-Chlorotoluene	20.000	19.050	4.7	88	0.00
76	1,3,5-Trimethylbenzene	20.000	18.666	6.7	86	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.741	16.3	77	0.00
78	4-Chlorotoluene	20.000	18.313	8.4	86	0.00
79	tert-butylbenzene	20.000	18.550	7.2	84	0.00
80	1,2,4-Trimethylbenzene	20.000	17.981	10.1	81	0.00
81	sec-Butylbenzene	20.000	18.947	5.3	86	0.00
82	p-Isopropyltoluene	20.000	18.668	6.7	85	0.00
83 M	1,3-Dichlorobenzene	20.000	18.205	9.0	87	0.00
84 M	1,4-Dichlorobenzene	20.000	18.383	8.1	87	0.00
85	n-Butylbenzene	20.000	17.980	10.1	86	0.00
86 T	Hexachloroethane	20.000	17.312	13.4	80	0.00
87 M	1,2-Dichlorobenzene	20.000	18.380	8.1	84	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	16.669	16.7	80	0.00
89	1,2,4-Trichlorobenzene	20.000	13.482	32.6#	70	0.00
90	Hexachlorobutadiene	20.000	18.804	6.0	89	0.00
91 M	Naphthalene	20.000	13.460	32.7#	68	0.00
92	1,2,3-Trichlorobenzene	20.000	13.649	31.8#	69	0.00

(#) = Out of Range

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