

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077672.D
 Acq On : 12 May 2023 14:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 15 01:37:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 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	97	0.00
2 M	Dichlorodifluoromethane	20.000	17.472	12.6	85	-0.01
3 M	Chloromethane	20.000	18.019	9.9	92	-0.01
4 M	Vinyl Chloride	20.000	16.290	18.6	84	-0.01
5 M	Bromomethane	20.000	17.688	11.6	91	0.00
6 M	Chloroethane	20.000	13.623	31.9#	73	0.00
7 M	Trichlorofluoromethane	20.000	18.085	9.6	88	0.00
8 T	Diethyl Ether	20.000	19.472	2.6	103	-0.01
9	1,1,2-Trichlorotrifluoroeth	20.000	18.398	8.0	97	0.00
10 M	1,1-Dichloroethene	20.000	18.143	9.3	96	0.00
11	Methyl Iodide	20.000	18.485	7.6	97	0.00
12	Methyl Acetate	20.000	22.992	-15.0	116	-0.02
13 M	Acrolein	100.000	106.333	-6.3	114	-0.02
14 M	Acrylonitrile	100.000	106.888	-6.9	107	-0.01
15 M	Acetone	100.000	101.211	-1.2	102	-0.02
16 M	Carbon Disulfide	20.000	16.837	15.8	92	0.00
17	Allyl chloride	20.000	18.280	8.6	96	0.00
18 M	Methylene Chloride	20.000	17.670	11.6	94	-0.01
19 M	trans-1,2-Dichloroethene	20.000	18.355	8.2	94	0.00
20 T	Diisopropyl ether	20.000	19.097	4.5	93	-0.01
21 M	1,1-Dichloroethane	20.000	18.229	8.9	92	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.611	11.9	88	0.00
23 M	tert-Butyl Alcohol	100.000	111.185	-11.2	110	-0.01
24 M	Methyl tert-Butyl Ether	20.000	18.045	9.8	89	0.00
25 M	Chloroform	20.000	18.036	9.8	89	0.00
26	Cyclohexane	20.000	17.227	13.9	87	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.770	7.4	89	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	96	0.00
29	1,1-Dichloropropene	20.000	18.164	9.2	89	0.00
30 M	2-Butanone	100.000	123.039	-23.0	113	-0.01
31	2,2-Dichloropropane	20.000	16.765	16.2	83	0.00
32 M	1,1,1-Trichloroethane	20.000	18.058	9.7	89	0.00
33 M	Carbon Tetrachloride	20.000	19.056	4.7	92	0.00
34 M	Benzene	20.000	18.796	6.0	90	0.00
35	Methacrylonitrile	20.000	23.678	-18.4	104	0.00
36 M	1,2-Dichloroethane	20.000	18.953	5.2	91	0.00
37 M	Trichloroethene	20.000	20.891	-4.5	103	0.00
38	Methylcyclohexane	20.000	17.486	12.6	87	0.00
39 M	1,2-Dichloropropane	20.000	18.607	7.0	88	0.00
40	Dibromomethane	20.000	18.575	7.1	89	0.00
41 M	Bromodichloromethane	20.000	17.840	10.8	85	0.00
42 M	Vinyl Acetate	100.000	88.033	12.0	83	0.00
43	Ethyl Acetate	20.000	23.217	-16.1	111	0.00
44	Isopropyl Acetate	20.000	21.522	-7.6	102	0.00
45 T	1,4-Dioxane	400.000	473.912	-18.5	119	0.00
46	Methyl methacrylate	20.000	21.955	-9.8	98	0.00
47	n-amyl Acetate	20.000	19.756	1.2	92	0.00
48 M	t-1,3-Dichloropropene	20.000	16.775	16.1	82	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.289	13.6	84	0.00
50 M	1,1,2-Trichloroethane	20.000	19.276	3.6	91	0.00
51	Ethyl methacrylate	20.000	19.491	2.5	92	0.00
52	1,3-Dichloropropane	20.000	18.540	7.3	89	0.00
53 M	Dibromochloromethane	20.000	19.628	1.9	92	0.00
54 M	1,2-Dibromoethane	20.000	19.627	1.9	92	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.912	-4.9	95	0.00
56 M	Bromoform	20.000	23.202	-16.0	111	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	100.000	117.374	-17.4	109	0.00
59 M	2-Hexanone	100.000	116.776	-16.8	111	0.00
60 S	4-Bromofluorobenzene	30.000	28.292	5.7	90	0.00
61 M	Tetrachloroethene	20.000	21.864	-9.3	108	0.00
62 M	Toluene	20.000	18.541	7.3	92	0.00
63 S	Toluene-d8	30.000	29.126	2.9	93	0.00
64 M	Chlorobenzene	20.000	19.252	3.7	95	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.728	1.4	93	0.00
66 M	Ethyl Benzene	20.000	18.170	9.1	89	0.00
67 M	m/p-Xylenes	40.000	37.359	6.6	91	0.00
68 M	o-Xylene	20.000	18.795	6.0	92	0.00
69 M	Styrene	20.000	18.457	7.7	91	0.00
70	Isopropylbenzene	20.000	18.252	8.7	90	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.407	3.0	95	0.00
72	1,2,3-Trichloropropane	20.000	19.446	2.8	93	0.00
73	Bromobenzene	20.000	21.766	-8.8	108	0.00
74	n-propylbenzene	20.000	17.975	10.1	91	0.00
75	2-Chlorotoluene	20.000	18.059	9.7	89	0.00
76	1,3,5-Trimethylbenzene	20.000	17.350	13.2	87	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.298	18.5	80	0.00
78	4-Chlorotoluene	20.000	18.152	9.2	91	0.00
79	tert-butylbenzene	20.000	19.615	1.9	99	0.00
80	1,2,4-Trimethylbenzene	20.000	16.275	18.6	84	0.00
81	sec-Butylbenzene	20.000	18.836	5.8	98	0.00
82	p-Isopropyltoluene	20.000	18.712	6.4	97	0.00
83 M	1,3-Dichlorobenzene	20.000	20.109	-0.5	103	0.00
84 M	1,4-Dichlorobenzene	20.000	20.133	-0.7	105	0.00
85	n-Butylbenzene	20.000	15.822	20.9	90	0.00
86 T	Hexachloroethane	20.000	17.764	11.2	91	0.00
87 M	1,2-Dichlorobenzene	20.000	20.375	-1.9	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.398	8.0	90	0.00
89	1,2,4-Trichlorobenzene	20.000	14.696	26.5#	86	0.00
90	Hexachlorobutadiene	20.000	27.573	-37.9#	160	0.00
91 M	Naphthalene	20.000	11.925	40.4#	69	0.00
92	1,2,3-Trichlorobenzene	20.000	14.570	27.1#	85	0.01

(#) = Out of Range

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