

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079334.D
 Acq On : 22 Sep 2023 17:05
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 23 00:41:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 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	101	0.00
2 M	Dichlorodifluoromethane	20.000	21.079	-5.4	114	0.00
3 M	Chloromethane	20.000	25.613	-28.1#	137	0.00
4 M	Vinyl Chloride	20.000	30.178	-50.9#	163	0.00
5 M	Bromomethane	20.000	28.500	-42.5#	159	0.01
6 M	Chloroethane	20.000	32.566	-62.8#	177	0.01
7 M	Trichlorofluoromethane	20.000	31.622	-58.1#	171	0.00
8 T	Diethyl Ether	20.000	29.603	-48.0#	152	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	32.699	-63.5#	172	0.01
10 M	1,1-Dichloroethene	20.000	30.918	-54.6#	157	0.01
11	Methyl Iodide	20.000	27.163	-35.8#	144	0.00
12	Methyl Acetate	20.000	30.586	-52.9#	165	-0.01
13 M	Acrolein	100.000	120.454	-20.5	119	0.00
14 M	Acrylonitrile	100.000	131.977	-32.0#	141	0.00
15 M	Acetone	100.000	139.912	-39.9#	144	-0.01
16 M	Carbon Disulfide	20.000	28.453	-42.3#	150	0.01
17	Allyl chloride	20.000	28.486	-42.4#	142	0.00
18 M	Methylene Chloride	20.000	28.803	-44.0#	154	0.00
19 M	trans-1,2-Dichloroethene	20.000	28.136	-40.7#	145	0.00
20 T	Diisopropyl ether	20.000	25.411	-27.1#	110	-0.01
21 M	1,1-Dichloroethane	20.000	25.781	-28.9#	115	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.870	-4.4	104	0.00
23 M	tert-Butyl Alcohol	100.000	102.664	-2.7	112	0.00
24 M	Methyl tert-Butyl Ether	20.000	26.789	-33.9#	137	-0.01
25 M	Chloroform	20.000	22.189	-10.9	117	0.00
26	Cyclohexane	20.000	20.544	-2.7	107	0.00
27 s	1,2-Dichloroethane-d4	30.000	33.394	-11.3	117	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	21.131	-5.7	113	0.00
30 M	2-Butanone	100.000	95.467	4.5	94	0.00
31	2,2-Dichloropropane	20.000	22.597	-13.0	112	0.00
32 M	1,1,1-Trichloroethane	20.000	21.744	-8.7	115	0.00
33 M	Carbon Tetrachloride	20.000	21.208	-6.0	114	0.00
34 M	Benzene	20.000	20.376	-1.9	109	0.00
35	Methacrylonitrile	20.000	19.586	2.1	100	-0.01
36 M	1,2-Dichloroethane	20.000	22.681	-13.4	125	0.00
37 M	Trichloroethene	20.000	20.008	-0.0	112	0.00
38	Methylcyclohexane	20.000	19.858	0.7	106	0.00
39 M	1,2-Dichloropropane	20.000	21.276	-6.4	114	0.00
40	Dibromomethane	20.000	21.107	-5.5	114	0.00
41 M	Bromodichloromethane	20.000	22.166	-10.8	118	0.00
42 M	Vinyl Acetate	100.000	116.394	-16.4	104	0.00
43	Ethyl Acetate	20.000	21.541	-7.7	102	0.00
44	Isopropyl Acetate	20.000	19.715	1.4	107	0.00
45 T	1,4-Dioxane	400.000	325.309	18.7	90	0.00
46	Methyl methacrylate	20.000	20.131	-0.7	106	0.00
47	n-amyl Acetate	20.000	21.202	-6.0	118	0.00
48 M	t-1,3-Dichloropropene	20.000	19.817	0.9	108	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.391	-7.0	118	0.00
50 M	1,1,2-Trichloroethane	20.000	21.250	-6.3	112	0.00
51	Ethyl methacrylate	20.000	17.622	11.9	92	0.00
52	1,3-Dichloropropane	20.000	20.797	-4.0	107	0.00
53 M	Dibromochloromethane	20.000	20.789	-3.9	111	0.00
54 M	1,2-Dibromoethane	20.000	19.903	0.5	105	0.00
55 M	2-Chloroethyl vinyl ether	100.000	121.506	-21.5	131	0.00
56 M	Bromoform	20.000	20.037	-0.2	112	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	111	0.00
58 M	4-Methyl-2-Pentanone	100.000	90.717	9.3	104	0.00
59 M	2-Hexanone	100.000	87.256	12.7	96	0.00
60 S	4-Bromofluorobenzene	30.000	29.885	0.4	107	0.00
61 M	Tetrachloroethene	20.000	18.808	6.0	105	0.00
62 M	Toluene	20.000	18.946	5.3	109	0.00
63 S	Toluene-d8	30.000	28.815	3.9	107	0.00
64 M	Chlorobenzene	20.000	20.240	-1.2	118	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.924	-4.6	122	0.00
66 M	Ethyl Benzene	20.000	20.707	-3.5	117	0.00
67 M	m/p-Xylenes	40.000	42.017	-5.0	118	0.00
68 M	o-Xylene	20.000	20.729	-3.6	127	0.00
69 M	Styrene	20.000	20.768	-3.8	124	0.00
70	Isopropylbenzene	20.000	20.785	-3.9	118	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.493	2.5	113	0.00
72	1,2,3-Trichloropropane	20.000	17.616	11.9	107	0.00
73	Bromobenzene	20.000	19.077	4.6	108	0.00
74	n-propylbenzene	20.000	22.475	-12.4	125	0.00
75	2-Chlorotoluene	20.000	21.660	-8.3	122	0.00
76	1,3,5-Trimethylbenzene	20.000	22.380	-11.9	123	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.894	15.5	95	0.00
78	4-Chlorotoluene	20.000	21.781	-8.9	123	0.00
79	tert-butylbenzene	20.000	21.232	-6.2	114	0.00
80	1,2,4-Trimethylbenzene	20.000	23.100	-15.5	125	0.00
81	sec-Butylbenzene	20.000	22.342	-11.7	122	0.00
82	p-Isopropyltoluene	20.000	22.616	-13.1	122	0.00
83 M	1,3-Dichlorobenzene	20.000	21.627	-8.1	119	0.00
84 M	1,4-Dichlorobenzene	20.000	21.380	-6.9	116	0.00
85	n-Butylbenzene	20.000	23.018	-15.1	124	0.00
86 T	Hexachloroethane	20.000	22.497	-12.5	122	0.00
87 M	1,2-Dichlorobenzene	20.000	21.851	-9.3	118	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	15.928	20.4	87	0.00
89	1,2,4-Trichlorobenzene	20.000	15.249	23.8	88	0.00
90	Hexachlorobutadiene	20.000	16.461	17.7	99	0.00
91 M	Naphthalene	20.000	12.912	35.4#	74	0.00
92	1,2,3-Trichlorobenzene	20.000	15.249	23.8	88	0.00

(#) = Out of Range

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