

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079297.D
 Acq On : 19 Sep 2023 11:00
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 19 15:40:18 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	115	0.00
2 M	Dichlorodifluoromethane	20.000	19.812	0.9	122	0.00
3 M	Chloromethane	20.000	23.861	-19.3	145	0.00
4 M	Vinyl Chloride	20.000	26.709	-33.5#	164	0.00
5 M	Bromomethane	20.000	24.011	-20.1	152	0.00
6 M	Chloroethane	20.000	31.635	-58.2#	195	0.01
7 M	Trichlorofluoromethane	20.000	31.100	-55.5#	192	0.00
8 T	Diethyl Ether	20.000	27.805	-39.0#	162	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	31.066	-55.3#	186	0.01
10 M	1,1-Dichloroethene	20.000	29.861	-49.3#	172	0.00
11	Methyl Iodide	20.000	25.557	-27.8#	154	0.00
12	Methyl Acetate	20.000	27.785	-38.9#	170	0.00
13 M	Acrolein	100.000	141.419	-41.4#	159	0.00
14 M	Acrylonitrile	100.000	126.580	-26.6#	154	0.00
15 M	Acetone	100.000	160.116	-60.1#	188	-0.01
16 M	Carbon Disulfide	20.000	27.736	-38.7#	166	0.00
17	Allyl chloride	20.000	26.565	-32.8#	151	0.01
18 M	Methylene Chloride	20.000	27.877	-39.4#	170	0.00
19 M	trans-1,2-Dichloroethene	20.000	26.543	-32.7#	156	0.00
20 T	Diisopropyl ether	20.000	23.793	-19.0	117	0.00
21 M	1,1-Dichloroethane	20.000	24.642	-23.2	125	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.272	-1.4	115	0.00
23 M	tert-Butyl Alcohol	100.000	102.575	-2.6	127	0.00
24 M	Methyl tert-Butyl Ether	20.000	25.191	-26.0#	147	0.00
25 M	Chloroform	20.000	21.804	-9.0	130	0.00
26	Cyclohexane	20.000	19.299	3.5	114	0.00
27 s	1,2-Dichloroethane-d4	30.000	35.013	-16.7	139	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	110	0.00
29	1,1-Dichloropropene	20.000	21.337	-6.7	124	0.00
30 M	2-Butanone	100.000	99.365	0.6	107	0.00
31	2,2-Dichloropropane	20.000	23.064	-15.3	125	0.00
32 M	1,1,1-Trichloroethane	20.000	22.093	-10.5	128	0.00
33 M	Carbon Tetrachloride	20.000	22.257	-11.3	131	0.00
34 M	Benzene	20.000	20.374	-1.9	119	0.00
35	Methacrylonitrile	20.000	19.625	1.9	110	0.00
36 M	1,2-Dichloroethane	20.000	23.480	-17.4	142	0.00
37 M	Trichloroethene	20.000	20.323	-1.6	124	0.00
38	Methylcyclohexane	20.000	18.784	6.1	110	0.00
39 M	1,2-Dichloropropane	20.000	20.620	-3.1	120	0.00
40	Dibromomethane	20.000	21.680	-8.4	128	0.00
41 M	Bromodichloromethane	20.000	22.793	-14.0	133	0.00
42 M	Vinyl Acetate	100.000	112.455	-12.5	110	0.00
43	Ethyl Acetate	20.000	22.449	-12.2	116	0.00
44	Isopropyl Acetate	20.000	18.349	8.3	109	0.00
45 T	1,4-Dioxane	400.000	332.997	16.8	101	0.00
46	Methyl methacrylate	20.000	19.615	1.9	113	0.00
47	n-amyl Acetate	20.000	19.746	1.3	120	0.00
48 M	t-1,3-Dichloropropene	20.000	19.512	2.4	116	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.217	-6.1	128	0.00
50 M	1,1,2-Trichloroethane	20.000	21.248	-6.2	123	0.00
51	Ethyl methacrylate	20.000	17.825	10.9	102	0.00
52	1,3-Dichloropropane	20.000	21.442	-7.2	120	0.00
53 M	Dibromochloromethane	20.000	20.400	-2.0	120	0.00
54 M	1,2-Dibromoethane	20.000	19.858	0.7	114	0.00
55 M	2-Chloroethyl vinyl ether	100.000	84.506	15.5	99	0.00
56 M	Bromoform	20.000	19.674	1.6	121	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	114	0.00
58 M	4-Methyl-2-Pentanone	100.000	97.039	3.0	114	0.00
59 M	2-Hexanone	100.000	97.429	2.6	109	0.00
60 S	4-Bromofluorobenzene	30.000	31.043	-3.5	114	0.00
61 M	Tetrachloroethene	20.000	21.424	-7.1	123	0.00
62 M	Toluene	20.000	20.493	-2.5	121	0.00
63 S	Toluene-d8	30.000	31.698	-5.7	121	0.00
64 M	Chlorobenzene	20.000	20.316	-1.6	122	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.975	-4.9	126	0.00
66 M	Ethyl Benzene	20.000	20.749	-3.7	120	0.00
67 M	m/p-Xylenes	40.000	42.455	-6.1	122	0.00
68 M	o-Xylene	20.000	20.414	-2.1	129	0.00
69 M	Styrene	20.000	20.806	-4.0	127	0.00
70	Isopropylbenzene	20.000	21.012	-5.1	122	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.698	1.5	118	0.00
72	1,2,3-Trichloropropane	20.000	19.116	4.4	119	0.00
73	Bromobenzene	20.000	20.320	-1.6	118	0.00
74	n-propylbenzene	20.000	21.985	-9.9	125	0.00
75	2-Chlorotoluene	20.000	21.156	-5.8	122	0.00
76	1,3,5-Trimethylbenzene	20.000	21.707	-8.5	123	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.178	14.1	99	0.00
78	4-Chlorotoluene	20.000	21.176	-5.9	122	0.00
79	tert-butylbenzene	20.000	20.556	-2.8	113	0.00
80	1,2,4-Trimethylbenzene	20.000	22.172	-10.9	123	0.00
81	sec-Butylbenzene	20.000	21.671	-8.4	122	0.00
82	p-Isopropyltoluene	20.000	21.978	-9.9	122	0.00
83 M	1,3-Dichlorobenzene	20.000	21.062	-5.3	118	0.00
84 M	1,4-Dichlorobenzene	20.000	20.800	-4.0	116	0.00
85	n-Butylbenzene	20.000	21.574	-7.9	119	0.00
86 T	Hexachloroethane	20.000	23.106	-15.5	128	0.00
87 M	1,2-Dichlorobenzene	20.000	20.704	-3.5	115	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.870	10.6	100	0.00
89	1,2,4-Trichlorobenzene	20.000	15.328	23.4	91	0.00
90	Hexachlorobutadiene	20.000	19.904	0.5	122	0.00
91 M	Naphthalene	20.000	11.938	40.3#	70	0.00
92	1,2,3-Trichlorobenzene	20.000	15.330	23.3	91	0.00

(#) = Out of Range

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