

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079189.D
 Acq On : 08 Sep 2023 11:11
 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 08 17:19:25 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	94	0.00
2 M	Dichlorodifluoromethane	20.000	18.741	6.3	94	0.00
3 M	Chloromethane	20.000	24.614	-23.1	122	0.00
4 M	Vinyl Chloride	20.000	21.411	-7.1	107	0.00
5 M	Bromomethane	20.000	21.806	-9.0	113	0.00
6 M	Chloroethane	20.000	24.835	-24.2	125	0.00
7 M	Trichlorofluoromethane	20.000	26.431	-32.2#	133	0.00
8 T	Diethyl Ether	20.000	28.355	-41.8#	135	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	27.983	-39.9#	136	0.02
10 M	1,1-Dichloroethene	20.000	28.141	-40.7#	132	0.00
11	Methyl Iodide	20.000	25.728	-28.6#	126	0.00
12	Methyl Acetate	20.000	26.080	-30.4#	131	0.00
13 M	Acrolein	100.000	87.573	12.4	80	0.00
14 M	Acrylonitrile	100.000	125.323	-25.3#	124	0.00
15 M	Acetone	100.000	137.964	-38.0#	132	-0.01
16 M	Carbon Disulfide	20.000	26.281	-31.4#	129	0.00
17	Allyl chloride	20.000	25.642	-28.2#	119	0.01
18 M	Methylene Chloride	20.000	26.715	-33.6#	133	0.00
19 M	trans-1,2-Dichloroethene	20.000	25.517	-27.6#	122	0.00
20 T	Diisopropyl ether	20.000	21.624	-8.1	87	0.00
21 M	1,1-Dichloroethane	20.000	22.334	-11.7	93	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.302	3.5	89	0.00
23 M	tert-Butyl Alcohol	100.000	112.149	-12.1	114	0.00
24 M	Methyl tert-Butyl Ether	20.000	24.897	-24.5	118	0.00
25 M	Chloroform	20.000	18.992	5.0	93	0.00
26	Cyclohexane	20.000	17.768	11.2	86	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.233	2.6	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29	1,1-Dichloropropene	20.000	17.376	13.1	92	0.00
30 M	2-Butanone	100.000	83.104	16.9	81	0.00
31	2,2-Dichloropropane	20.000	18.370	8.1	90	0.00
32 M	1,1,1-Trichloroethane	20.000	17.512	12.4	92	0.00
33 M	Carbon Tetrachloride	20.000	18.225	8.9	97	0.00
34 M	Benzene	20.000	17.270	13.7	91	0.00
35	Methacrylonitrile	20.000	16.322	18.4	82	0.00
36 M	1,2-Dichloroethane	20.000	17.328	13.4	95	0.00
37 M	Trichloroethene	20.000	17.752	11.2	98	0.00
38	Methylcyclohexane	20.000	16.189	19.1	85	0.00
39 M	1,2-Dichloropropane	20.000	17.362	13.2	92	0.00
40	Dibromomethane	20.000	17.453	12.7	93	0.00
41 M	Bromodichloromethane	20.000	18.121	9.4	96	0.00
42 M	Vinyl Acetate	100.000	95.003	5.0	84	0.00
43	Ethyl Acetate	20.000	17.738	11.3	83	0.00
44	Isopropyl Acetate	20.000	15.809	21.0	85	0.00
45 T	1,4-Dioxane	400.000	307.038	23.2	84	0.00
46	Methyl methacrylate	20.000	15.851	20.7	83	0.00
47	n-amyl Acetate	20.000	16.882	15.6	93	0.00
48 M	t-1,3-Dichloropropene	20.000	16.747	16.3	90	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	17.591	12.0	96	0.00
50 M	1,1,2-Trichloroethane	20.000	17.703	11.5	93	0.00
51	Ethyl methacrylate	20.000	16.663	16.7	86	0.00
52	1,3-Dichloropropane	20.000	18.205	9.0	93	0.00
53 M	Dibromochloromethane	20.000	17.809	11.0	94	0.00
54 M	1,2-Dibromoethane	20.000	16.951	15.2	88	0.00
55 M	2-Chloroethyl vinyl ether	100.000	84.315	15.7	90	0.00
56 M	Bromoform	20.000	18.362	8.2	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	100.000	88.841	11.2	85	0.00
59 M	2-Hexanone	100.000	88.556	11.4	81	0.00
60 S	4-Bromofluorobenzene	30.000	33.229	-10.8	100	0.00
61 M	Tetrachloroethene	20.000	19.181	4.1	90	0.00
62 M	Toluene	20.000	19.138	4.3	93	0.00
63 S	Toluene-d8	30.000	30.306	-1.0	94	0.00
64 M	Chlorobenzene	20.000	19.009	5.0	93	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.796	1.0	97	0.00
66 M	Ethyl Benzene	20.000	19.438	2.8	92	0.00
67 M	m/p-Xylenes	40.000	39.537	1.2	93	0.00
68 M	o-Xylene	20.000	19.820	0.9	102	0.00
69 M	Styrene	20.000	20.600	-3.0	103	0.00
70	Isopropylbenzene	20.000	19.436	2.8	93	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.261	-1.3	99	0.00
72	1,2,3-Trichloropropane	20.000	19.507	2.5	99	0.00
73	Bromobenzene	20.000	20.090	-0.4	96	0.00
74	n-propylbenzene	20.000	20.541	-2.7	96	0.00
75	2-Chlorotoluene	20.000	20.607	-3.0	97	0.00
76	1,3,5-Trimethylbenzene	20.000	20.129	-0.6	93	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.619	6.9	88	0.00
78	4-Chlorotoluene	20.000	20.346	-1.7	96	0.00
79	tert-butylbenzene	20.000	19.527	2.4	88	0.00
80	1,2,4-Trimethylbenzene	20.000	20.124	-0.6	92	0.00
81	sec-Butylbenzene	20.000	19.343	3.3	89	0.00
82	p-Isopropyltoluene	20.000	20.128	-0.6	91	0.00
83 M	1,3-Dichlorobenzene	20.000	19.745	1.3	91	0.00
84 M	1,4-Dichlorobenzene	20.000	20.500	-2.5	93	0.00
85	n-Butylbenzene	20.000	19.486	2.6	88	0.00
86 T	Hexachloroethane	20.000	19.624	1.9	89	0.00
87 M	1,2-Dichlorobenzene	20.000	19.906	0.5	90	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.329	8.4	84	0.00
89	1,2,4-Trichlorobenzene	20.000	17.242	13.8	83	0.00
90	Hexachlorobutadiene	20.000	19.007	5.0	96	0.00
91 M	Naphthalene	20.000	15.293	23.5	73	0.00
92	1,2,3-Trichlorobenzene	20.000	17.242	13.8	83	0.00

(#) = Out of Range

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