

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079327.D
 Acq On : 22 Sep 2023 09:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 23 00:37:31 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	108	0.00
2 M	Dichlorodifluoromethane	20.000	21.117	-5.6	122	0.00
3 M	Chloromethane	20.000	26.767	-33.8#	153	0.00
4 M	Vinyl Chloride	20.000	30.784	-53.9#	178	0.00
5 M	Bromomethane	20.000	26.286	-31.4#	157	0.01
6 M	Chloroethane	20.000	35.534	-77.7#	207	0.01
7 M	Trichlorofluoromethane	20.000	31.126	-55.6#	181	0.00
8 T	Diethyl Ether	20.000	27.851	-39.3#	153	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	31.461	-57.3#	177	0.01
10 M	1,1-Dichloroethene	20.000	29.430	-47.1#	160	0.00
11	Methyl Iodide	20.000	25.939	-29.7#	147	0.00
12	Methyl Acetate	20.000	29.607	-48.0#	171	0.00
13 M	Acrolein	100.000	144.793	-44.8#	153	0.00
14 M	Acrylonitrile	100.000	133.436	-33.4#	153	0.00
15 M	Acetone	100.000	204.755	-104.8#	226	0.00
16 M	Carbon Disulfide	20.000	28.203	-41.0#	159	0.01
17	Allyl chloride	20.000	28.371	-41.9#	151	0.00
18 M	Methylene Chloride	20.000	28.801	-44.0#	165	0.00
19 M	trans-1,2-Dichloroethene	20.000	27.633	-38.2#	153	0.00
20 T	Diisopropyl ether	20.000	24.201	-21.0	112	0.00
21 M	1,1-Dichloroethane	20.000	24.451	-22.3	117	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.847	0.8	106	0.00
23 M	tert-Butyl Alcohol	100.000	104.721	-4.7	122	0.00
24 M	Methyl tert-Butyl Ether	20.000	25.807	-29.0#	142	0.00
25 M	Chloroform	20.000	21.527	-7.6	121	0.00
26	Cyclohexane	20.000	19.456	2.7	108	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.607	-8.7	122	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	21.578	-7.9	117	0.00
30 M	2-Butanone	100.000	114.205	-14.2	115	0.00
31	2,2-Dichloropropane	20.000	23.636	-18.2	120	0.00
32 M	1,1,1-Trichloroethane	20.000	22.000	-10.0	119	0.00
33 M	Carbon Tetrachloride	20.000	22.296	-11.5	122	0.00
34 M	Benzene	20.000	20.611	-3.1	112	0.00
35	Methacrylonitrile	20.000	20.700	-3.5	108	0.00
36 M	1,2-Dichloroethane	20.000	23.124	-15.6	130	0.00
37 M	Trichloroethene	20.000	19.606	2.0	111	0.00
38	Methylcyclohexane	20.000	19.753	1.2	107	0.00
39 M	1,2-Dichloropropane	20.000	21.529	-7.6	117	0.00
40	Dibromomethane	20.000	21.644	-8.2	119	0.00
41 M	Bromodichloromethane	20.000	22.299	-11.5	121	0.00
42 M	Vinyl Acetate	100.000	120.580	-20.6	109	0.00
43	Ethyl Acetate	20.000	21.746	-8.7	105	0.00
44	Isopropyl Acetate	20.000	20.238	-1.2	112	0.00
45 T	1,4-Dioxane	400.000	345.980	13.5	98	0.00
46	Methyl methacrylate	20.000	19.981	0.1	107	0.00
47	n-amyl Acetate	20.000	20.910	-4.6	119	0.00
48 M	t-1,3-Dichloropropene	20.000	19.888	0.6	110	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.340	-6.7	120	0.00
50 M	1,1,2-Trichloroethane	20.000	20.680	-3.4	111	0.00
51	Ethyl methacrylate	20.000	17.686	11.6	94	0.00
52	1,3-Dichloropropane	20.000	21.787	-8.9	114	0.00
53 M	Dibromochloromethane	20.000	21.047	-5.2	115	0.00
54 M	1,2-Dibromoethane	20.000	19.905	0.5	106	0.00
55 M	2-Chloroethyl vinyl ether	100.000	94.102	5.9	103	0.00
56 M	Bromoform	20.000	19.229	3.9	110	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	100.000	104.123	-4.1	112	0.00
59 M	2-Hexanone	100.000	108.738	-8.7	112	0.00
60 S	4-Bromofluorobenzene	30.000	29.652	1.2	100	0.00
61 M	Tetrachloroethene	20.000	19.613	1.9	103	0.00
62 M	Toluene	20.000	21.177	-5.9	115	0.00
63 S	Toluene-d8	30.000	31.689	-5.6	111	0.00
64 M	Chlorobenzene	20.000	20.508	-2.5	113	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.866	-4.3	115	0.00
66 M	Ethyl Benzene	20.000	20.985	-4.9	112	0.00
67 M	m/p-Xylenes	40.000	43.208	-8.0	114	0.00
68 M	o-Xylene	20.000	20.825	-4.1	121	0.00
69 M	Styrene	20.000	21.169	-5.8	119	0.00
70	Isopropylbenzene	20.000	21.538	-7.7	115	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.855	-4.3	114	0.00
72	1,2,3-Trichloropropane	20.000	18.775	6.1	107	0.00
73	Bromobenzene	20.000	19.413	2.9	104	0.00
74	n-propylbenzene	20.000	22.393	-12.0	117	0.00
75	2-Chlorotoluene	20.000	21.092	-5.5	112	0.00
76	1,3,5-Trimethylbenzene	20.000	22.075	-10.4	115	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.841	5.8	100	0.00
78	4-Chlorotoluene	20.000	21.259	-6.3	113	0.00
79	tert-butylbenzene	20.000	20.711	-3.6	105	0.00
80	1,2,4-Trimethylbenzene	20.000	22.102	-10.5	113	0.00
81	sec-Butylbenzene	20.000	22.111	-10.6	114	0.00
82	p-Isopropyltoluene	20.000	22.060	-10.3	112	0.00
83 M	1,3-Dichlorobenzene	20.000	21.677	-8.4	112	0.00
84 M	1,4-Dichlorobenzene	20.000	20.780	-3.9	106	0.00
85	n-Butylbenzene	20.000	21.975	-9.9	111	0.00
86 T	Hexachloroethane	20.000	24.245	-21.2	124	0.00
87 M	1,2-Dichlorobenzene	20.000	21.568	-7.8	110	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.097	9.5	93	0.00
89	1,2,4-Trichlorobenzene	20.000	16.056	19.7	87	0.00
90	Hexachlorobutadiene	20.000	19.178	4.1	108	0.00
91 M	Naphthalene	20.000	12.095	39.5#	65	0.00
92	1,2,3-Trichlorobenzene	20.000	16.056	19.7	87	0.00

(#) = Out of Range

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