

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078727.D
 Acq On : 01 Aug 2023 20:14
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 02 04:52:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	125	-0.46
2 M	Dichlorodifluoromethane	1.892	0.754	60.1#	56	1.24#
3 M	Chloromethane	2.329	0.002	99.9#	0#	-0.09
4 M	Vinyl Chloride	3.166	0.001	100.0#	0#	-0.33
5 M	Bromomethane	2.366	0.000	100.0#	0#	-2.97#
6 M	Chloroethane	2.062	0.011	99.5#	1#	0.22
7 M	Trichlorofluoromethane	3.247	1.718	47.1#	71	-0.12
8 T	Diethyl Ether	1.060	0.000	100.0#	0#	-3.98#
9	1,1,2-Trichlorotrifluoroeth	1.743	0.000	100.0#	0#	-4.38#
10 M	1,1-Dichloroethene	1.671	0.000	100.0#	0#	-4.35#
11	Methyl Iodide	2.349	0.000	100.0#	0#	-4.60#
12	Methyl Acetate	2.711	1.069	60.6#	54	-0.16
13 M	Acrolein	0.289	0.001	99.7#	0#	-0.16
14 M	Acrylonitrile	0.794	0.001	99.9#	0#	-0.24
15 M	Acetone	0.230	0.000	100.0#	0#	-0.41
16 M	Carbon Disulfide	4.721	0.002	100.0#	0#	-0.53#
17	Allyl chloride	2.282	0.006	99.7#	0#	-0.24
18 M	Methylene Chloride	2.005	0.000	100.0#	0#	-5.29#
19 M	trans-1,2-Dichloroethene	1.932	0.005	99.7#	0#	0.05
20 T	Diisopropyl ether	5.138	0.002	100.0#	0#	-0.32
21 M	1,1-Dichloroethane	3.402	0.001	100.0#	0#	-0.44
22 M	cis-1,2-Dichloroethene	2.170	2.157	0.6	130	-0.53#
23 M	tert-Butyl Alcohol	0.324	0.000	100.0#	0#	-0.43
24 M	Methyl tert-Butyl Ether	5.620	0.003	99.9#	0#	-0.55#
25 M	Chloroform	3.602	0.001	100.0#	0#	-0.28
26	Cyclohexane	2.506	2.817	-12.4	142	-0.29
27 s	1,2-Dichloroethane-d4	2.249	1.890	16.0	108	-0.32
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	-0.25
29	1,1-Dichloropropene	0.441	0.482	-9.3	107	-0.35
30 M	2-Butanone	0.175	0.000	100.0#	0#	0.01
31	2,2-Dichloropropane	0.507	0.005	99.0#	1#	0.38
32 M	1,1,1-Trichloroethane	0.558	0.688	-23.3	118	-0.39
33 M	Carbon Tetrachloride	0.496	0.554	-11.7	109	-0.36
34 M	Benzene	1.326	1.476	-11.3	108	-0.32
35	Methacrylonitrile	0.192	0.202	-5.2	103	-0.45
36 M	1,2-Dichloroethane	0.466	0.518	-11.2	105	-0.30
37 M	Trichloroethene	0.372	0.001	99.7#	0#	-0.11
38	Methylcyclohexane	0.454	0.543	-19.6	123	-0.20
39 M	1,2-Dichloropropane	0.355	0.001	99.7#	0#	-0.10
40	Dibromomethane	0.246	0.294	-19.5	118	-0.19
41 M	Bromodichloromethane	0.492	0.518	-5.3	101	-0.16
42 M	Vinyl Acetate	0.561	0.000	100.0#	0#	0.00
43	Ethyl Acetate	0.361	0.001	99.7#	0#	-0.32
44	Isopropyl Acetate	0.633	0.005	99.2#	1#	0.00
45 T	1,4-Dioxane	0.006	0.000	100.0#	2#	-0.08
46	Methyl methacrylate	0.290	0.343	-18.3	119	-0.17
47	n-amyl Acetate	0.487	0.591	-21.4	120	-0.02
48 M	t-1,3-Dichloropropene	0.525	0.001	99.8#	0#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.558	0.773	-38.5#	136	-0.13
50 M	1,1,2-Trichloroethane	0.348	0.361	-3.7	94	-0.09
51	Ethyl methacrylate	0.477	0.594	-24.5	116	-0.08
52	1,3-Dichloropropane	0.626	0.805	-28.6#	131	-0.08
53 M	Dibromochloromethane	0.393	0.392	0.3	92	-0.07
54 M	1,2-Dibromoethane	0.350	0.360	-2.9	94	-0.08
55 M	2-Chloroethyl vinyl ether	0.152	0.168	-10.5	102	-0.14
56 M	Bromoform	0.257	0.319	-24.1	126	-0.04
57 I	Chlorobenzene-d5	1.000	1.000	0.0	133	-0.05
58 M	4-Methyl-2-Pentanone	0.449	0.417	7.1	134	-0.12
59 M	2-Hexanone	0.340	0.297	12.6	122	-0.07
60 S	4-Bromofluorobenzene	0.450	0.405	10.0	129	-0.02
61 M	Tetrachloroethene	0.394	0.258	34.5#	94	-0.09
62 M	Toluene	1.805	1.325	26.6#	104	-0.11
63 S	Toluene-d8	1.482	1.156	22.0	109	-0.12
64 M	Chlorobenzene	1.054	1.051	0.3	139	-0.05
65	1,1,1,2-Tetrachloroethane	0.416	0.413	0.7	136	-0.05
66 M	Ethyl Benzene	1.819	1.837	-1.0	139	-0.05
67 M	m/p-Xylenes	0.695	0.688	1.0	138	-0.05
68 M	o-Xylene	0.707	0.605	14.4	124	-0.04
69 M	Styrene	1.137	0.925	18.6	123	-0.04
70	Isopropylbenzene	1.749	1.576	9.9	129	-0.03
71 M	1,1,2,2-Tetrachloroethane	0.568	0.509	10.4	130	-0.02
72	1,2,3-Trichloropropane	0.477	0.577	-21.0	181#	-0.02
73	Bromobenzene	0.429	0.353	17.7	118	-0.02
74	n-propylbenzene	1.938	1.512	22.0	115	-0.02
75	2-Chlorotoluene	1.339	0.936	30.1#	112	-0.02
76	1,3,5-Trimethylbenzene	1.561	1.064	31.8#	107	-0.02
77	t-1,4-Dichloro-2-butene	0.167	0.134	19.8	118	-0.02
78	4-Chlorotoluene	1.292	0.815	36.9#	97	-0.02
79	tert-butylbenzene	1.344	0.832	38.1#	99	-0.01
80	1,2,4-Trimethylbenzene	1.491	0.907	39.2#	93	-0.01
81	sec-Butylbenzene	1.722	0.954	44.6#	90	-0.02
82	p-Isopropyltoluene	1.414	0.744	47.4#	81	-0.01
83 M	1,3-Dichlorobenzene	0.760	0.408	46.3#	81	-0.02
84 M	1,4-Dichlorobenzene	0.712	0.380	46.6#	81	-0.01
85	n-Butylbenzene	0.981	0.508	48.2#	78	0.00
86 T	Hexachloroethane	0.258	0.161	37.6#	93	0.00
87 M	1,2-Dichlorobenzene	0.711	0.406	42.9#	85	-0.01
88	1,2-Dibromo-3-Chloropropane	0.096	0.052	45.8#	84	0.00
89	1,2,4-Trichlorobenzene	0.203	0.097	52.2#	70	0.00
90	Hexachlorobutadiene	0.155	0.090	41.9#	81	0.00
91 M	Naphthalene	0.615	0.260	57.7#	61	0.00
92	1,2,3-Trichlorobenzene	0.231	0.117	49.4#	72	0.00

(#) = Out of Range

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