

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070178.D
 Acq On : 17 Dec 2021 21:19
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 19 08:51:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	92	-0.76#
2 M	Dichlorodifluoromethane	2.177	0.001#	100.0#	0#	0.48
3 M	Chloromethane	2.494	0.003#	99.9#	0#	-0.04
4 M	Vinyl Chloride	2.346	0.268	88.6#	11#	0.23
5 M	Bromomethane	1.283	0.002#	99.8#	0#	-0.15
6 M	Chloroethane	1.347	0.018#	98.7#	1#	-0.01
7 M	Trichlorofluoromethane	3.063	0.001#	100.0#	0#	-0.44
8 T	Diethyl Ether	1.216	0.000#	100.0#	0#	-3.83#
9	1,1,2-Trichlorotrifluoroeth	1.799	0.000#	100.0#	0#	-4.21#
10 M	1,1-Dichloroethene	1.711	1.689	1.3	95	-0.05
11	Methyl Iodide	2.395	0.000#	100.0#	0#	-4.42#
12	Methyl Acetate	4.216	0.001#	100.0#	0#	0.02
13 M	Acrolein	0.341	0.000#	100.0#	0#	-0.02
14 M	Acrylonitrile	1.217	0.000#	100.0#	0#	-0.14
15 M	Acetone	0.442	0.000#	100.0#	0#	-0.34
16 M	Carbon Disulfide	5.157	0.000#	100.0#	0#	-4.53#
17	Allyl chloride	3.849	0.002#	99.9#	0#	0.00
18 M	Methylene Chloride	2.063	0.003#	99.9#	0#	0.02
19 M	trans-1,2-Dichloroethene	1.818	0.000#	100.0#	0#	-0.02
20 T	Diisopropyl ether	7.372	0.020#	99.7#	0#	-0.04
21 M	1,1-Dichloroethane	3.886	1.054	72.9#	27	0.05
22 M	cis-1,2-Dichloroethene	2.152	0.001#	100.0#	0#	0.00
23 M	tert-Butyl Alcohol	0.385	0.139	63.9#	41	-0.04
24 M	Methyl tert-Butyl Ether	6.077	0.000#	100.0#	0#	-5.62#
25 M	Chloroform	3.861	0.213	94.5#	5#	-0.18
26	Cyclohexane	3.597	0.001#	100.0#	0#	0.00
27 s	1,2-Dichloroethane-d4	2.659	0.001#	100.0#	0#	-0.30
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	-0.38
29	1,1-Dichloropropene	0.517	0.000#	100.0#	0#	0.14
30 M	2-Butanone	0.355	0.000#	100.0#	0#	0.00
31	2,2-Dichloropropane	0.540	0.000#	100.0#	0#	0.10
32 M	1,1,1-Trichloroethane	0.598	0.002#	99.7#	0#	0.03
33 M	Carbon Tetrachloride	0.532	0.000#	100.0#	0#	-0.39
34 M	Benzene	1.527	0.000#	100.0#	0#	-0.06
35	Methacrylonitrile	0.329	0.450	-36.8#	149	-0.04
36 M	1,2-Dichloroethane	0.603	0.058	90.4#	10#	0.34
37 M	Trichloroethene	0.363	0.318	12.4	89	-0.35
38	Methylcyclohexane	0.614	0.538	12.4	90	-0.32
39 M	1,2-Dichloropropane	0.407	0.376	7.6	93	-0.31
40	Dibromomethane	0.269	0.243	9.7	90	-0.30
41 M	Bromodichloromethane	0.568	0.469	17.4	83	-0.26
42 M	Vinyl Acetate	1.044	0.343	67.1#	34	0.03
43	Ethyl Acetate	0.617	0.000#	100.0#	0#	-0.01
44	Isopropyl Acetate	0.994	0.000#	100.0#	0#	0.00
45 T	1,4-Dioxane	0.007	0.000#	100.0#	1#	-0.07
46	Methyl methacrylate	0.471	0.502	-6.6	111	-0.27
47	n-amyl Acetate	0.693	0.693	0.0	120	-0.04
48 M	t-1,3-Dichloropropene	0.571	0.000#	100.0#	0#	0.01

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.620	0.543	12.4	93	-0.20
50 M	1,1,2-Trichloroethane	0.365	0.343	6.0	95	-0.13
51	Ethyl methacrylate	0.583	0.000#	100.0#	0#	0.03
52	1,3-Dichloropropane	0.646	0.000#	100.0#	0#	-0.01
53 M	Dibromochloromethane	0.410	0.000#	100.0#	0#	0.00
54 M	1,2-Dibromoethane	0.372	0.349	6.2	99	-0.11
55 M	2-Chloroethyl vinyl ether	0.114	0.167	-46.5#	172#	-0.21
56 M	Bromoform	0.312	0.229	26.6	79	-0.05
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	-0.08
58 M	4-Methyl-2-Pentanone	0.689	0.002#	99.7#	0#	0.00
59 M	2-Hexanone	0.509	0.552	-8.4	111	-0.11
60 S	4-Bromofluorobenzene	0.494	0.496	-0.4	99	-0.04
61 M	Tetrachloroethene	0.350	0.332	5.1	91	-0.13
62 M	Toluene	1.764	0.000#	100.0#	0#	0.02
63 S	Toluene-d8	1.386	0.000#	100.0#	0#	0.02
64 M	Chlorobenzene	1.047	0.968	7.5	93	-0.08
65	1,1,1,2-Tetrachloroethane	0.394	0.344	12.7	87	-0.08
66 M	Ethyl Benzene	1.961	1.874	4.4	95	-0.07
67 M	m/p-Xylenes	0.717	0.691	3.6	96	-0.07
68 M	o-Xylene	0.709	0.000#	100.0#	0#	0.05
69 M	Styrene	1.156	1.047	9.4	92	-0.05
70	Isopropylbenzene	1.860	1.753	5.8	95	-0.04
71 M	1,1,2,2-Tetrachloroethane	0.610	0.603	1.1	99	-0.03
72	1,2,3-Trichloropropane	0.568	0.735	-29.4	124	-0.03
73	Bromobenzene	0.432	0.394	8.8	93	-0.04
74	n-propylbenzene	2.156	1.950	9.6	92	-0.03
75	2-Chlorotoluene	1.319	1.236	6.3	95	-0.03
76	1,3,5-Trimethylbenzene	1.528	1.428	6.5	94	-0.03
77	t-1,4-Dichloro-2-butene	0.179	0.141	21.2	90	-0.03
78	4-Chlorotoluene	1.265	1.140	9.9	92	-0.03
79	tert-butylbenzene	1.326	1.226	7.5	95	-0.02
80	1,2,4-Trimethylbenzene	1.478	1.675	-13.3	114	0.11
81	sec-Butylbenzene	1.851	1.675	9.5	94	-0.02
82	p-Isopropyltoluene	1.475	1.318	10.6	91	-0.02
83 M	1,3-Dichlorobenzene	0.730	0.652	10.7	91	-0.02
84 M	1,4-Dichlorobenzene	0.702	0.626	10.8	92	-0.02
85	n-Butylbenzene	1.232	1.029	16.5	91	-0.01
86 T	Hexachloroethane	0.294	0.215	26.9	78	-0.01
87 M	1,2-Dichlorobenzene	0.701	0.659	6.0	94	-0.01
88	1,2-Dibromo-3-Chloropropane	0.117	0.117	0.0	111	0.00
89	1,2,4-Trichlorobenzene	0.326	0.319	2.1	107	0.00
90	Hexachlorobutadiene	0.194	0.178	8.2	89	0.00
91 M	Naphthalene	0.847	1.258	-48.5#	184#	0.00
92	1,2,3-Trichlorobenzene	0.308	0.337	-9.4	118	0.00

(#) = Out of Range

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