

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074889.D
 Acq On : 12 Oct 2022 21:10
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 13 08:04:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 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	95	0.00
2 M	Dichlorodifluoromethane	1.666	1.630	2.2	91	0.00
3 M	Chloromethane	2.694	2.832	-5.1	95	0.00
4 M	Vinyl Chloride	3.967	3.992	-0.6	88	0.00
5 M	Bromomethane	3.146	3.047	3.1	89	0.01
6 M	Chloroethane	2.975	2.920	1.8	81	0.01
7 M	Trichlorofluoromethane	2.958	3.103	-4.9	95	0.00
8 T	Diethyl Ether	1.379	1.499	-8.7	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.861	1.967	-5.7	96	0.01
10 M	1,1-Dichloroethene	1.831	1.900	-3.8	99	0.00
11	Methyl Iodide	2.285	2.231	2.4	90	0.00
12	Methyl Acetate	4.413	4.280	3.0	91	0.00
13 M	Acrolein	0.624	0.646	-3.5	99	0.00
14 M	Acrylonitrile	1.646	1.689	-2.6	95	0.00
15 M	Acetone	0.451	0.457	-1.3	94	0.00
16 M	Carbon Disulfide	4.704	4.525	3.8	90	0.00
17	Allyl chloride	3.645	3.443	5.5	81	0.00
18 M	Methylene Chloride	2.374	2.421	-2.0	93	0.00
19 M	trans-1,2-Dichloroethene	2.010	1.930	4.0	92	0.00
20 T	Diisopropyl ether	8.509	8.643	-1.6	97	0.00
21 M	1,1-Dichloroethane	4.329	4.297	0.7	92	0.00
22 M	cis-1,2-Dichloroethene	2.517	2.575	-2.3	97	0.00
23 M	tert-Butyl Alcohol	0.694	0.646	6.9	88	0.00
24 M	Methyl tert-Butyl Ether	7.646	7.694	-0.6	96	0.00
25 M	Chloroform	4.299	4.275	0.6	98	0.00
26	Cyclohexane	3.803	3.643	4.2	90	0.00
27 s	1,2-Dichloroethane-d4	2.809	2.916	-3.8	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.541	0.525	3.0	94	0.00
30 M	2-Butanone	0.432	0.419	3.0	90	0.00
31	2,2-Dichloropropane	0.663	0.576	13.1	84	0.00
32 M	1,1,1-Trichloroethane	0.649	0.619	4.6	90	0.00
33 M	Carbon Tetrachloride	0.533	0.529	0.8	92	0.00
34 M	Benzene	1.789	1.789	0.0	93	0.00
35	Methacrylonitrile	0.444	0.391	11.9	81	0.00
36 M	1,2-Dichloroethane	0.596	0.614	-3.0	98	0.00
37 M	Trichloroethene	0.372	0.364	2.2	94	0.00
38	Methylcyclohexane	0.658	0.631	4.1	95	0.00
39 M	1,2-Dichloropropane	0.464	0.481	-3.7	95	0.00
40	Dibromomethane	0.307	0.319	-3.9	99	0.00
41 M	Bromodichloromethane	0.599	0.609	-1.7	96	0.00
42 M	Vinyl Acetate	1.287	1.353	-5.1	96	0.00
43	Ethyl Acetate	0.840	0.872	-3.8	101	0.00
44	Isopropyl Acetate	1.299	1.322	-1.8	97	0.00
45 T	1,4-Dioxane	0.012	0.011	8.3	87	0.00
46	Methyl methacrylate	0.562	0.555	1.2	93	0.00
47	n-amyl Acetate	1.136	1.108	2.5	97	0.00
48 M	t-1,3-Dichloropropene	0.687	0.654	4.8	94	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.728	0.683	6.2	94	0.00
50 M	1,1,2-Trichloroethane	0.452	0.427	5.5	89	0.00
51	Ethyl methacrylate	0.769	0.737	4.2	96	0.00
52	1,3-Dichloropropane	0.781	0.778	0.4	91	0.00
53 M	Dibromochloromethane	0.443	0.420	5.2	91	0.00
54 M	1,2-Dibromoethane	0.435	0.449	-3.2	103	0.00
55 M	2-Chloroethyl vinyl ether	0.301	0.259	14.0	88	0.00
56 M	Bromoform	0.319	0.279	12.5	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.933	0.928	0.5	94	0.00
59 M	2-Hexanone	0.718	0.698	2.8	91	0.00
60 S	4-Bromofluorobenzene	0.532	0.473	11.1	93	0.00
61 M	Tetrachloroethene	0.320	0.293	8.4	88	0.00
62 M	Toluene	2.073	2.040	1.6	93	0.00
63 S	Toluene-d8	1.731	1.713	1.0	96	0.00
64 M	Chlorobenzene	1.178	1.137	3.5	91	0.00
65	1,1,1,2-Tetrachloroethane	0.444	0.426	4.1	93	0.00
66 M	Ethyl Benzene	2.254	2.195	2.6	95	0.00
67 M	m/p-Xylenes	0.847	0.828	2.2	95	0.00
68 M	o-Xylene	0.861	0.829	3.7	95	0.00
69 M	Styrene	1.409	1.306	7.3	95	0.00
70	Isopropylbenzene	2.220	2.129	4.1	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.830	0.841	-1.3	98	0.00
72	1,2,3-Trichloropropane	0.698	0.597	14.5	80	0.00
73	Bromobenzene	0.465	0.469	-0.9	98	0.00
74	n-propylbenzene	2.588	2.413	6.8	94	0.00
75	2-Chlorotoluene	1.514	1.413	6.7	93	0.00
76	1,3,5-Trimethylbenzene	1.804	1.733	3.9	98	0.00
77	t-1,4-Dichloro-2-butene	0.290	0.230	20.7	83	0.00
78	4-Chlorotoluene	1.445	1.360	5.9	97	0.00
79	tert-butylbenzene	1.605	1.526	4.9	97	0.00
80	1,2,4-Trimethylbenzene	1.815	1.665	8.3	94	0.00
81	sec-Butylbenzene	2.306	2.102	8.8	93	0.00
82	p-Isopropyltoluene	1.832	1.680	8.3	95	0.00
83 M	1,3-Dichlorobenzene	0.908	0.802	11.7	91	0.00
84 M	1,4-Dichlorobenzene	0.872	0.814	6.7	96	0.00
85	n-Butylbenzene	1.617	1.375	15.0	90	0.00
86 T	Hexachloroethane	0.359	0.345	3.9	94	0.00
87 M	1,2-Dichlorobenzene	0.901	0.827	8.2	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.168	0.151	10.1	92	0.00
89	1,2,4-Trichlorobenzene	0.412	0.349	15.3	91	0.00
90	Hexachlorobutadiene	0.201	0.164	18.4	85	0.00
91 M	Naphthalene	1.633	1.564	4.2	104	0.00
92	1,2,3-Trichlorobenzene	0.431	0.387	10.2	92	0.00

(#) = Out of Range

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