

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102521\
 Data File : VN069151.D
 Acq On : 25 Oct 2021 14:17
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 26 03:36:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 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	81	0.00
2 M	Dichlorodifluoromethane	1.984	2.008	-1.2	77	0.00
3 M	Chloromethane	2.062	2.108	-2.2	79	0.00
4 M	Vinyl Chloride	2.458	2.404	2.2	76	0.00
5 M	Bromomethane	1.612	1.636	-1.5	71	0.00
6 M	Chloroethane	1.593	1.567	1.6	68	0.00
7 M	Trichlorofluoromethane	3.183	3.219	-1.1	77	0.00
8 T	Diethyl Ether	1.127	1.120	0.6	75	0.00
9	1,1,2-Trichlorotrifluoroeth	1.729	1.760	-1.8	78	0.00
10 M	1,1-Dichloroethene	1.687	1.633	3.2	75	0.00
11	Methyl Iodide	2.372	2.169	8.6	75	0.00
12	Methyl Acetate	3.213	3.066	4.6	74	0.00
13 M	Acrolein	0.194	0.189	2.6	79	0.00
14 M	Acrylonitrile	0.912	0.878	3.7	75	0.00
15 M	Acetone	0.285	0.243	14.7	57	0.00
16 M	Carbon Disulfide	4.534	4.346	4.1	77	0.00
17	Allyl chloride	2.906	2.779	4.4	75	0.00
18 M	Methylene Chloride	2.005	2.159	-7.7	84	0.00
19 M	trans-1,2-Dichloroethene	1.832	1.800	1.7	77	0.00
20 T	Diisopropyl ether	6.207	6.049	2.5	77	0.00
21 M	1,1-Dichloroethane	3.464	3.411	1.5	76	0.00
22 M	cis-1,2-Dichloroethene	2.196	2.148	2.2	77	0.00
23 M	tert-Butyl Alcohol	0.374	0.358	4.3	75	0.00
24 M	Methyl tert-Butyl Ether	6.400	6.201	3.1	76	0.00
25 M	Chloroform	3.702	3.679	0.6	77	0.00
26	Cyclohexane	3.191	3.119	2.3	76	0.00
27 s	1,2-Dichloroethane-d4	2.337	2.427	-3.9	84	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
29	1,1-Dichloropropene	0.472	0.450	4.7	76	0.00
30 M	2-Butanone	0.227	0.201	11.5	67	0.00
31	2,2-Dichloropropane	0.566	0.527	6.9	73	0.00
32 M	1,1,1-Trichloroethane	0.587	0.555	5.5	76	0.00
33 M	Carbon Tetrachloride	0.499	0.472	5.4	76	0.00
34 M	Benzene	1.410	1.350	4.3	76	0.00
35	Methacrylonitrile	0.226	0.216	4.4	79	0.00
36 M	1,2-Dichloroethane	0.509	0.491	3.5	78	0.00
37 M	Trichloroethene	0.358	0.346	3.4	77	0.00
38	Methylcyclohexane	0.601	0.574	4.5	76	0.00
39 M	1,2-Dichloropropane	0.359	0.349	2.8	76	0.00
40	Dibromomethane	0.251	0.240	4.4	77	0.00
41 M	Bromodichloromethane	0.502	0.478	4.8	77	0.00
42 M	Vinyl Acetate	0.809	0.752	7.0	75	0.00
43	Ethyl Acetate	0.442	0.423	4.3	74	0.00
44	Isopropyl Acetate	0.819	0.745	9.0	72	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	80	0.00
46	Methyl methacrylate	0.370	0.323	12.7	75	0.00
47	n-amyl Acetate	0.695	0.591	15.0	72	0.00
48 M	t-1,3-Dichloropropene	0.581	0.532	8.4	74	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.562	7.1	76	0.00
50 M	1,1,2-Trichloroethane	0.361	0.344	4.7	77	0.00
51	Ethyl methacrylate	0.595	0.551	7.4	75	0.00
52	1,3-Dichloropropane	0.607	0.574	5.4	75	0.00
53 M	Dibromochloromethane	0.385	0.357	7.3	77	0.00
54 M	1,2-Dibromoethane	0.377	0.352	6.6	75	0.00
55 M	2-Chloroethyl vinyl ether	0.189	0.144	23.8	65	0.00
56 M	Bromoform	0.278	0.242	12.9	75	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
58 M	4-Methyl-2-Pentanone	0.506	0.474	6.3	73	0.00
59 M	2-Hexanone	0.382	0.342	10.5	68	0.00
60 S	4-Bromofluorobenzene	0.514	0.495	3.7	81	0.00
61 M	Tetrachloroethene	0.326	0.329	-0.9	80	0.00
62 M	Toluene	1.747	1.686	3.5	75	0.00
63 S	Toluene-d8	1.355	1.380	-1.8	82	0.00
64 M	Chlorobenzene	1.060	1.012	4.5	76	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.377	4.3	76	0.00
66 M	Ethyl Benzene	1.965	1.909	2.8	77	0.00
67 M	m/p-Xylenes	0.739	0.714	3.4	76	0.00
68 M	o-Xylene	0.740	0.703	5.0	76	0.00
69 M	Styrene	1.226	1.132	7.7	75	0.00
70	Isopropylbenzene	1.939	1.867	3.7	77	0.00
71 M	1,1,2,2-Tetrachloroethane	0.568	0.532	6.3	72	0.00
72	1,2,3-Trichloropropane	0.488	0.445	8.8	78	0.00
73	Bromobenzene	0.440	0.406	7.7	74	0.00
74	n-propylbenzene	2.227	2.104	5.5	76	0.00
75	2-Chlorotoluene	1.364	1.302	4.5	76	0.00
76	1,3,5-Trimethylbenzene	1.616	1.536	5.0	76	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.156	18.3	69	0.00
78	4-Chlorotoluene	1.337	1.252	6.4	77	0.00
79	tert-butylbenzene	1.419	1.324	6.7	74	0.00
80	1,2,4-Trimethylbenzene	1.587	1.499	5.5	75	0.00
81	sec-Butylbenzene	1.987	1.869	5.9	76	0.00
82	p-Isopropyltoluene	1.621	1.493	7.9	75	0.00
83 M	1,3-Dichlorobenzene	0.774	0.721	6.8	77	0.00
84 M	1,4-Dichlorobenzene	0.754	0.697	7.6	77	0.00
85	n-Butylbenzene	1.355	1.204	11.1	75	0.00
86 T	Hexachloroethane	0.303	0.284	6.3	77	0.00
87 M	1,2-Dichlorobenzene	0.739	0.697	5.7	76	0.00
88	1,2-Dibromo-3-Chloropropane	0.106	0.093	12.3	71	0.00
89	1,2,4-Trichlorobenzene	0.373	0.320	14.2	75	0.00
90	Hexachlorobutadiene	0.195	0.183	6.2	76	0.00
91 M	Naphthalene	1.078	0.867	19.6	72	0.00
92	1,2,3-Trichlorobenzene	0.356	0.313	12.1	75	0.00

(#) = Out of Range

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