

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN051420\
 Data File : VN061397.D
 Acq On : 14 May 2020 16:21
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051420

Quant Time: May 15 05:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	122	0.00
2 M	Dichlorodifluoromethane	1.366	1.543	-13.0	145	0.00
3 M	Chloromethane	2.497	2.467	1.2	118	0.00
4 M	Vinyl Chloride	3.348	3.177	5.1	113	0.00
5 M	Bromomethane	1.700	1.632	4.0	116	0.00
6 M	Chloroethane	2.265	2.093	7.6	109	0.00
7 M	Trichlorofluoromethane	3.583	3.460	3.4	116	0.00
8 T	Diethyl Ether	1.140	1.195	-4.8	131	0.00
9	1,1,2-Trichlorotrifluoroeth	1.531	1.637	-6.9	130	0.00
10 M	1,1-Dichloroethene	1.611	1.711	-6.2	132	0.00
11	Methyl Iodide	1.744	1.908	-9.4	140	0.00
12	Methyl Acetate	1.957	1.911	2.4	121	0.00
13 M	Acrolein	0.330	0.329	0.3	129	0.00
14 M	Acrylonitrile	0.919	0.897	2.4	118	0.00
15 M	Acetone	0.221	0.256	-15.8	140	0.00
16 M	Carbon Disulfide	4.530	5.437	-20.0	134	0.00
17	Allyl chloride	3.244	3.449	-6.3	129	0.00
18 M	Methylene Chloride	1.945	1.956	-0.6	130	0.00
19 M	trans-1,2-Dichloroethene	1.918	1.967	-2.6	131	0.00
20 T	Diisopropyl ether	7.551	7.137	5.5	115	0.00
21 M	1,1-Dichloroethane	3.943	3.844	2.5	119	0.00
22 M	cis-1,2-Dichloroethene	2.249	2.164	3.8	119	0.00
23 M	tert-Butyl Alcohol	0.294	0.298	-1.4	120	-0.01
24 M	Methyl tert-Butyl Ether	6.540	6.452	1.3	122	0.00
25 M	Chloroform	3.822	3.717	2.7	120	0.00
26	Cyclohexane	3.765	3.662	2.7	119	0.00
27 s	1,2-Dichloroethane-d4	2.687	2.637	1.9	118	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	122	0.00
29	1,1-Dichloropropene	0.526	0.512	2.7	119	0.00
30 M	2-Butanone	0.223	0.219	1.8	119	0.00
31	2,2-Dichloropropane	0.615	0.607	1.3	123	0.00
32 M	1,1,1-Trichloroethane	0.589	0.579	1.7	123	0.00
33 M	Carbon Tetrachloride	0.452	0.441	2.4	125	0.00
34 M	Benzene	1.489	1.446	2.9	119	0.00
35	Methacrylonitrile	0.223	0.270	-21.1	119	0.00
36 M	1,2-Dichloroethane	0.572	0.559	2.3	119	0.00
37 M	Trichloroethene	0.367	0.365	0.5	125	0.00
38	Methylcyclohexane	0.632	0.620	1.9	121	0.00
39 M	1,2-Dichloropropane	0.409	0.384	6.1	113	0.00
40	Dibromomethane	0.253	0.245	3.2	122	0.00
41 M	Bromodichloromethane	0.549	0.532	3.1	120	0.00
42 M	Vinyl Acetate	1.058	1.006	4.9	117	0.00
43	Ethyl Acetate	0.476	0.456	4.2	109	0.00
44	Isopropyl Acetate	0.924	0.844	8.7	110	0.00
45 T	1,4-Dioxane	0.004	0.004#	0.0	155#	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.434	0.394	9.2	110	0.00
47	n-amyl Acetate	0.824	0.757	8.1	113	0.00
48 M	t-1,3-Dichloropropene	0.647	0.615	4.9	117	0.00
49 T	cis-1,3-Dichloropropene	0.685	0.647	5.5	118	0.00
50 M	1,1,2-Trichloroethane	0.350	0.326	6.9	117	0.00
51	Ethyl methacrylate	0.602	0.562	6.6	116	0.00
52	1,3-Dichloropropane	0.639	0.614	3.9	116	0.00
53 M	Dibromochloromethane	0.383	0.357	6.8	117	0.00
54 M	1,2-Dibromoethane	0.361	0.338	6.4	117	0.00
55 M	2-Chloroethyl vinyl ether	0.267	0.231	13.5	109	0.00
56 M	Bromoform	0.241	0.221	8.3	119	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
58 M	4-Methyl-2-Pentanone	0.547	0.520	4.9	112	0.00
59 M	2-Hexanone	0.387	0.380	1.8	116	0.00
60 S	4-Bromofluorobenzene	0.512	0.503	1.8	119	0.00
61 M	Tetrachloroethene	0.375	0.370	1.3	119	0.00
62 M	Toluene	1.739	1.697	2.4	118	0.00
63 S	Toluene-d8	1.389	1.415	-1.9	119	0.00
64 M	Chlorobenzene	1.030	1.005	2.4	119	0.00
65	1,1,1,2-Tetrachloroethane	0.376	0.363	3.5	118	0.00
66 M	Ethyl Benzene	1.996	1.921	3.8	117	0.00
67 M	m/p-Xylenes	0.737	0.709	3.8	118	0.00
68 M	o-Xylene	0.704	0.685	2.7	118	0.00
69 M	Styrene	1.211	1.161	4.1	120	0.00
70	Isopropylbenzene	1.906	1.839	3.5	119	0.00
71 M	1,1,2,2-Tetrachloroethane	0.527	0.504	4.4	114	0.00
72	1,2,3-Trichloropropane	0.502	0.505	-0.6	116	0.00
73	Bromobenzene	0.396	0.380	4.0	120	0.00
74	n-propylbenzene	2.267	2.183	3.7	119	0.00
75	2-Chlorotoluene	1.300	1.273	2.1	119	0.00
76	1,3,5-Trimethylbenzene	1.600	1.539	3.8	119	0.00
77	t-1,4-Dichloro-2-butene	0.209	0.196	6.2	117	0.00
78	4-Chlorotoluene	1.361	1.334	2.0	121	0.00
79	tert-butylbenzene	1.329	1.263	5.0	117	0.00
80	1,2,4-Trimethylbenzene	1.597	1.554	2.7	122	0.00
81	sec-Butylbenzene	1.831	1.791	2.2	120	0.00
82	p-Isopropyltoluene	1.649	1.594	3.3	120	0.00
83 M	1,3-Dichlorobenzene	0.736	0.711	3.4	123	0.00
84 M	1,4-Dichlorobenzene	0.728	0.720	1.1	124	0.00
85	n-Butylbenzene	1.526	1.544	-1.2	126	0.00
86 T	Hexachloroethane	0.230	0.235	-2.2	132	0.00
87 M	1,2-Dichlorobenzene	0.698	0.678	2.9	120	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.110	1.8	114	0.00
89	1,2,4-Trichlorobenzene	0.401	0.430	-7.2	132	0.00
90	Hexachlorobutadiene	0.163	0.187	-14.7	144	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.261	1.387	-10.0	138	0.00
92	1,2,3-Trichlorobenzene	0.390	0.409	-4.9	130	0.00

(#) = Out of Range

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