

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN061020\
 Data File : VN061740.D
 Acq On : 10 Jun 2020 16:28
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 11 03:23:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 12:28:45 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	81	0.00
2 M	Dichlorodifluoromethane	1.240	1.184	4.5	82	0.00
3 M	Chloromethane	1.482	1.528	-3.1	85	0.00
4 M	Vinyl Chloride	2.069	2.082	-0.6	85	0.00
5 M	Bromomethane	1.356	1.412	-4.1	86	0.00
6 M	Chloroethane	1.446	1.400	3.2	83	0.00
7 M	Trichlorofluoromethane	2.994	2.843	5.0	75	0.00
8 T	Diethyl Ether	0.934	0.924	1.1	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.531	1.453	5.1	85	0.00
10 M	1,1-Dichloroethene	1.509	1.427	5.4	85	0.00
11	Methyl Iodide	2.056	1.945	5.4	84	0.00
12	Methyl Acetate	1.200	1.155	3.7	89	0.00
13 M	Acrolein	0.161	0.118	26.7	71	0.00
14 M	Acrylonitrile	0.620	0.591	4.7	89	0.00
15 M	Acetone	0.185	0.168	9.2	79	0.00
16 M	Carbon Disulfide	3.125	3.448	-10.3	83	0.00
17	Allyl chloride	1.719	1.657	3.6	83	0.00
18 M	Methylene Chloride	1.731	1.624	6.2	85	0.00
19 M	trans-1,2-Dichloroethene	1.678	1.593	5.1	86	0.00
20 T	Diisopropyl ether	4.106	3.917	4.6	87	0.00
21 M	1,1-Dichloroethane	2.730	2.590	5.1	85	0.00
22 M	cis-1,2-Dichloroethene	1.968	1.850	6.0	87	0.00
23 M	tert-Butyl Alcohol	0.240	0.197	17.9	78	0.00
24 M	Methyl tert-Butyl Ether	4.809	4.565	5.1	88	0.00
25 M	Chloroform	3.092	2.932	5.2	87	0.00
26	Cyclohexane	2.084	2.043	2.0	88	0.00
27 s	1,2-Dichloroethane-d4	1.871	1.821	2.7	80	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29	1,1-Dichloropropene	0.403	0.399	1.0	85	0.00
30 M	2-Butanone	0.140	0.130	7.1	81	0.00
31	2,2-Dichloropropane	0.472	0.453	4.0	83	0.00
32 M	1,1,1-Trichloroethane	0.515	0.501	2.7	85	0.00
33 M	Carbon Tetrachloride	0.419	0.414	1.2	88	0.00
34 M	Benzene	1.257	1.241	1.3	85	0.00
35	Methacrylonitrile	0.130	0.125	3.8	73	-0.01
36 M	1,2-Dichloroethane	0.406	0.409	-0.7	89	0.00
37 M	Trichloroethene	0.392	0.374	4.6	83	0.00
38	Methylcyclohexane	0.451	0.441	2.2	84	0.00
39 M	1,2-Dichloropropane	0.301	0.294	2.3	86	0.00
40	Dibromomethane	0.226	0.224	0.9	87	0.00
41 M	Bromodichloromethane	0.458	0.440	3.9	85	0.00
42 M	Vinyl Acetate	0.576	0.582	-1.0	87	0.00
43	Ethyl Acetate	0.284	0.282	0.7	96	0.00
44	Isopropyl Acetate	0.513	0.503	1.9	87	0.00
45 T	1,4-Dioxane	0.005	0.004#	20.0	77	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.223	0.214	4.0	90	0.00
47	n-amyl Acetate	0.435	0.391	10.1	88	0.00
48 M	t-1,3-Dichloropropene	0.478	0.452	5.4	87	0.00
49 T	cis-1,3-Dichloropropene	0.522	0.488	6.5	84	0.00
50 M	1,1,2-Trichloroethane	0.328	0.323	1.5	89	0.00
51	Ethyl methacrylate	0.426	0.411	3.5	90	0.00
52	1,3-Dichloropropane	0.522	0.507	2.9	87	0.00
53 M	Dibromochloromethane	0.387	0.364	5.9	85	0.00
54 M	1,2-Dibromoethane	0.344	0.339	1.5	88	0.00
55 M	2-Chloroethyl vinyl ether	0.162	0.154	4.9	96	0.00
56 M	Bromoform	0.270	0.245	9.3	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58 M	4-Methyl-2-Pentanone	0.310	0.312	-0.6	89	0.00
59 M	2-Hexanone	0.225	0.214	4.9	85	0.00
60 S	4-Bromofluorobenzene	0.442	0.439	0.7	80	0.00
61 M	Tetrachloroethene	0.458	0.405	11.6	75	0.00
62 M	Toluene	1.506	1.489	1.1	84	0.00
63 S	Toluene-d8	1.274	1.284	-0.8	79	0.00
64 M	Chlorobenzene	0.969	0.950	2.0	85	0.00
65	1,1,1,2-Tetrachloroethane	0.369	0.355	3.8	84	0.00
66 M	Ethyl Benzene	1.649	1.593	3.4	85	0.00
67 M	m/p-Xylenes	0.656	0.625	4.7	83	0.00
68 M	o-Xylene	0.619	0.601	2.9	84	0.00
69 M	Styrene	1.049	0.986	6.0	85	0.00
70	Isopropylbenzene	1.636	1.580	3.4	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.435	0.435	0.0	88	0.00
72	1,2,3-Trichloropropane	0.410	0.373	9.0	80	0.00
73	Bromobenzene	0.442	0.413	6.6	84	0.00
74	n-propylbenzene	1.850	1.775	4.1	84	0.00
75	2-Chlorotoluene	1.090	1.047	3.9	86	0.00
76	1,3,5-Trimethylbenzene	1.364	1.298	4.8	84	0.00
77	t-1,4-Dichloro-2-butene	0.148	0.123	16.9	75	0.00
78	4-Chlorotoluene	1.136	1.081	4.8	85	0.00
79	tert-butylbenzene	1.180	1.117	5.3	85	0.00
80	1,2,4-Trimethylbenzene	1.372	1.304	5.0	84	0.00
81	sec-Butylbenzene	1.524	1.447	5.1	83	0.00
82	p-Isopropyltoluene	1.415	1.329	6.1	84	0.00
83 M	1,3-Dichlorobenzene	0.789	0.733	7.1	83	0.00
84 M	1,4-Dichlorobenzene	0.775	0.713	8.0	83	0.00
85	n-Butylbenzene	1.169	1.069	8.6	83	0.00
86 T	Hexachloroethane	0.193	0.200	-3.6	102	0.00
87 M	1,2-Dichlorobenzene	0.749	0.714	4.7	84	0.00
88	1,2-Dibromo-3-Chloropropane	0.081	0.080	1.2	89	0.00
89	1,2,4-Trichlorobenzene	0.439	0.394	10.3	84	0.00
90	Hexachlorobutadiene	0.191	0.164	14.1	76	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.220	1.111	8.9	86	0.00
92	1,2,3-Trichlorobenzene	0.430	0.397	7.7	84	0.00

(#) = Out of Range

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