

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071564.D
 Acq On : 26 Mar 2022 10:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 28 01:41:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 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	88	0.00
2 M	Dichlorodifluoromethane	1.867	1.782	4.6	81	0.00
3 M	Chloromethane	2.201	2.097	4.7	84	0.00
4 M	Vinyl Chloride	2.524	2.348	7.0	83	0.00
5 M	Bromomethane	1.487	1.577	-6.1	84	0.00
6 M	Chloroethane	1.616	1.527	5.5	85	0.00
7 M	Trichlorofluoromethane	2.943	2.855	3.0	86	0.00
8 T	Diethyl Ether	1.236	1.140	7.8	83	0.00
9	1,1,2-Trichlorotrifluoroeth	1.762	1.791	-1.6	89	0.00
10 M	1,1-Dichloroethene	1.738	1.612	7.2	83	0.00
11	Methyl Iodide	2.547	2.341	8.1	83	0.00
12	Methyl Acetate	2.449	2.350	4.0	87	0.00
13 M	Acrolein	0.261	0.202	22.6	73	0.00
14 M	Acrylonitrile	1.109	1.065	4.0	87	0.00
15 M	Acetone	0.319	0.381	-19.4	103	0.00
16 M	Carbon Disulfide	4.525	3.944	12.8	80	0.00
17	Allyl chloride	2.819	2.527	10.4	82	0.00
18 M	Methylene Chloride	2.085	2.016	3.3	87	0.00
19 M	trans-1,2-Dichloroethene	1.859	1.772	4.7	86	0.00
20 T	Diisopropyl ether	5.898	5.739	2.7	86	0.00
21 M	1,1-Dichloroethane	3.561	3.409	4.3	86	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.180	3.5	87	0.00
23 M	tert-Butyl Alcohol	0.396	0.363	8.3	86	0.00
24 M	Methyl tert-Butyl Ether	6.273	6.032	3.8	86	0.00
25 M	Chloroform	3.582	3.533	1.4	87	0.00
26	Cyclohexane	3.078	2.762	10.3	81	0.00
27 s	1,2-Dichloroethane-d4	2.114	2.112	0.1	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.486	0.463	4.7	85	0.00
30 M	2-Butanone	0.270	0.275	-1.9	90	0.00
31	2,2-Dichloropropane	0.553	0.537	2.9	86	0.00
32 M	1,1,1-Trichloroethane	0.566	0.551	2.7	86	0.00
33 M	Carbon Tetrachloride	0.479	0.458	4.4	84	0.00
34 M	Benzene	1.509	1.477	2.1	86	0.00
35	Methacrylonitrile	0.259	0.234	9.7	76	0.00
36 M	1,2-Dichloroethane	0.526	0.511	2.9	85	0.00
37 M	Trichloroethene	0.389	0.384	1.3	88	0.00
38	Methylcyclohexane	0.612	0.560	8.5	81	0.00
39 M	1,2-Dichloropropane	0.377	0.367	2.7	85	0.00
40	Dibromomethane	0.255	0.250	2.0	86	0.00
41 M	Bromodichloromethane	0.511	0.500	2.2	87	0.00
42 M	Vinyl Acetate	0.926	0.877	5.3	85	0.00
43	Ethyl Acetate	0.524	0.500	4.6	83	0.00
44	Isopropyl Acetate	0.841	0.837	0.5	91	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	86	0.00
46	Methyl methacrylate	0.369	0.326	11.7	83	0.00
47	n-amyl Acetate	0.561	0.491	12.5	86	0.00
48 M	t-1,3-Dichloropropene	0.556	0.514	7.6	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.608	0.573	5.8	86	0.00
50 M	1,1,2-Trichloroethane	0.382	0.376	1.6	87	0.00
51	Ethyl methacrylate	0.590	0.541	8.3	86	0.00
52	1,3-Dichloropropane	0.652	0.641	1.7	86	0.00
53 M	Dibromochloromethane	0.395	0.381	3.5	88	0.00
54 M	1,2-Dibromoethane	0.393	0.378	3.8	87	0.00
55 M	2-Chloroethyl vinyl ether	0.159	0.119	25.2	68	0.00
56 M	Bromoform	0.305	0.279	8.5	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.569	0.554	2.6	85	0.00
59 M	2-Hexanone	0.416	0.409	1.7	87	0.00
60 S	4-Bromofluorobenzene	0.445	0.446	-0.2	88	0.00
61 M	Tetrachloroethene	0.365	0.376	-3.0	88	0.00
62 M	Toluene	1.819	1.821	-0.1	86	0.00
63 S	Toluene-d8	1.362	1.412	-3.7	87	0.00
64 M	Chlorobenzene	1.122	1.112	0.9	88	0.00
65	1,1,1,2-Tetrachloroethane	0.412	0.415	-0.7	87	0.00
66 M	Ethyl Benzene	1.977	1.919	2.9	87	0.00
67 M	m/p-Xylenes	0.769	0.755	1.8	86	0.00
68 M	o-Xylene	0.764	0.738	3.4	86	0.00
69 M	Styrene	1.203	1.158	3.7	88	0.00
70	Isopropylbenzene	1.918	1.886	1.7	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.624	0.632	-1.3	87	0.00
72	1,2,3-Trichloropropane	0.536	0.545	-1.7	86	0.00
73	Bromobenzene	0.468	0.461	1.5	90	0.00
74	n-propylbenzene	2.094	2.028	3.2	88	0.00
75	2-Chlorotoluene	1.308	1.288	1.5	87	0.00
76	1,3,5-Trimethylbenzene	1.539	1.511	1.8	86	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.166	11.7	87	0.00
78	4-Chlorotoluene	1.222	1.198	2.0	90	0.00
79	tert-butylbenzene	1.389	1.360	2.1	87	0.00
80	1,2,4-Trimethylbenzene	1.493	1.454	2.6	87	0.00
81	sec-Butylbenzene	1.866	1.822	2.4	88	0.00
82	p-Isopropyltoluene	1.516	1.469	3.1	89	0.00
83 M	1,3-Dichlorobenzene	0.766	0.758	1.0	92	0.00
84 M	1,4-Dichlorobenzene	0.731	0.724	1.0	92	0.00
85	n-Butylbenzene	1.126	1.019	9.5	90	0.00
86 T	Hexachloroethane	0.283	0.272	3.9	88	0.00
87 M	1,2-Dichlorobenzene	0.740	0.744	-0.5	88	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.102	8.1	85	0.00
89	1,2,4-Trichlorobenzene	0.342	0.310	9.4	90	0.00
90	Hexachlorobutadiene	0.203	0.218	-7.4	97	0.00
91 M	Naphthalene	0.951	0.729	23.3	83	0.00
92	1,2,3-Trichlorobenzene	0.336	0.307	8.6	90	0.00

(#) = Out of Range

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