

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021022\
 Data File : VX026912.D
 Acq On : 10 Feb 2022 11:28
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 11 03:39:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 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	75	0.00
2 M	Dichlorodifluoromethane	1.807	1.899	-5.1	66	0.00
3 M	Chloromethane	1.579	1.718	-8.8	71	0.00
4 M	Vinyl Chloride	1.745	1.778	-1.9	67	0.00
5 M	Bromomethane	0.786	0.824	-4.8	67	0.00
6 M	Chloroethane	0.990	1.068	-7.9	69	0.00
7 M	Trichlorofluoromethane	2.766	2.708	2.1	64	0.00
8 T	Diethyl Ether	0.987	0.986	0.1	67	0.00
9	1,1,2-Trichlorotrifluoroeth	1.726	1.787	-3.5	67	0.00
10 M	1,1-Dichloroethene	1.613	1.710	-6.0	71	0.00
11	Methyl Iodide	1.751	2.089	-19.3	87	0.00
12	Methyl Acetate	3.378	3.872	-14.6	77	0.00
13 M	Acrolein	0.350	0.399	-14.0	95	0.00
14 M	Acrylonitrile	0.942	1.104	-17.2	79	0.00
15 M	Acetone	0.296	0.450	-52.0#	94	0.00
16 M	Carbon Disulfide	4.554	4.426	2.8	66	0.00
17	Allyl chloride	3.104	3.127	-0.7	69	0.00
18 M	Methylene Chloride	1.776	1.910	-7.5	72	0.00
19 M	trans-1,2-Dichloroethene	1.733	1.801	-3.9	70	0.00
20 T	Diisopropyl ether	6.032	6.209	-2.9	68	0.00
21 M	1,1-Dichloroethane	3.321	3.411	-2.7	69	0.00
22 M	cis-1,2-Dichloroethene	2.028	2.140	-5.5	72	0.00
23 M	tert-Butyl Alcohol	0.342	0.340	0.6	72	-0.01
24 M	Methyl tert-Butyl Ether	5.997	5.923	1.2	66	0.00
25 M	Chloroform	3.441	3.524	-2.4	68	0.00
26	Cyclohexane	3.038	3.102	-2.1	67	0.00
27 s	1,2-Dichloroethane-d4	2.412	2.243	7.0	68	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	74	0.00
29	1,1-Dichloropropene	0.463	0.465	-0.4	69	0.00
30 M	2-Butanone	0.269	0.326	-21.2	80	0.00
31	2,2-Dichloropropane	0.480	0.451	6.0	65	0.00
32 M	1,1,1-Trichloroethane	0.564	0.543	3.7	65	0.00
33 M	Carbon Tetrachloride	0.500	0.484	3.2	66	0.00
34 M	Benzene	1.285	1.366	-6.3	72	0.00
35	Methacrylonitrile	0.282	0.305	-8.2	73	-0.01
36 M	1,2-Dichloroethane	0.519	0.507	2.3	66	0.00
37 M	Trichloroethene	0.371	0.398	-7.3	73	0.00
38	Methylcyclohexane	0.555	0.570	-2.7	68	0.00
39 M	1,2-Dichloropropane	0.329	0.351	-6.7	72	0.00
40	Dibromomethane	0.231	0.244	-5.6	72	0.00
41 M	Bromodichloromethane	0.476	0.481	-1.1	68	0.00
42 M	Vinyl Acetate	0.834	0.850	-1.9	69	0.00
43	Ethyl Acetate	0.489	0.532	-8.8	74	0.00
44	Isopropyl Acetate	0.808	0.810	-0.2	68	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	73	-0.01
46	Methyl methacrylate	0.396	0.402	-1.5	68	0.00
47	n-amyl Acetate	0.604	0.646	-7.0	72	0.00
48 M	t-1,3-Dichloropropene	0.476	0.475	0.2	69	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.526	0.533	-1.3	69	0.00
50 M	1,1,2-Trichloroethane	0.317	0.352	-11.0	74	0.00
51	Ethyl methacrylate	0.506	0.536	-5.9	71	0.00
52	1,3-Dichloropropane	0.550	0.598	-8.7	73	0.00
53 M	Dibromochloromethane	0.345	0.362	-4.9	70	0.00
54 M	1,2-Dibromoethane	0.337	0.373	-10.7	75	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.258	4.8	68	0.00
56 M	Bromoform	0.229	0.246	-7.4	75	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58 M	4-Methyl-2-Pentanone	0.560	0.612	-9.3	76	0.00
59 M	2-Hexanone	0.433	0.479	-10.6	75	0.00
60 S	4-Bromofluorobenzene	0.501	0.491	2.0	78	0.00
61 M	Tetrachloroethene	0.442	0.471	-6.6	75	0.00
62 M	Toluene	1.602	1.631	-1.8	73	0.00
63 S	Toluene-d8	1.378	1.328	3.6	76	0.00
64 M	Chlorobenzene	0.972	1.026	-5.6	75	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.381	-3.0	74	0.00
66 M	Ethyl Benzene	1.792	1.861	-3.9	74	0.00
67 M	m/p-Xylenes	0.666	0.711	-6.8	76	0.00
68 M	o-Xylene	0.646	0.693	-7.3	76	0.00
69 M	Styrene	1.073	1.151	-7.3	78	0.00
70	Isopropylbenzene	1.733	1.852	-6.9	76	0.00
71 M	1,1,2,2-Tetrachloroethane	0.472	0.490	-3.8	75	0.00
72	1,2,3-Trichloropropane	0.479	0.517	-7.9	77	0.00
73	Bromobenzene	0.397	0.430	-8.3	77	0.00
74	n-propylbenzene	2.001	2.102	-5.0	75	0.00
75	2-Chlorotoluene	1.202	1.275	-6.1	76	0.00
76	1,3,5-Trimethylbenzene	1.447	1.542	-6.6	76	0.00
77	t-1,4-Dichloro-2-butene	0.144	0.135	6.2	74	0.00
78	4-Chlorotoluene	1.371	1.437	-4.8	75	0.00
79	tert-butylbenzene	1.340	1.412	-5.4	75	0.00
80	1,2,4-Trimethylbenzene	1.429	1.510	-5.7	75	0.00
81	sec-Butylbenzene	1.755	1.877	-7.0	76	0.00
82	p-Isopropyltoluene	1.482	1.572	-6.1	75	0.00
83 M	1,3-Dichlorobenzene	0.738	0.795	-7.7	79	0.00
84 M	1,4-Dichlorobenzene	0.740	0.799	-8.0	79	0.00
85	n-Butylbenzene	1.283	1.324	-3.2	75	0.00
86 T	Hexachloroethane	0.224	0.225	-0.4	75	0.00
87 M	1,2-Dichlorobenzene	0.709	0.763	-7.6	77	0.00
88	1,2-Dibromo-3-Chloropropane	0.120	0.114	5.0	70	0.00
89	1,2,4-Trichlorobenzene	0.464	0.476	-2.6	78	0.00
90	Hexachlorobutadiene	0.203	0.206	-1.5	74	0.00
91 M	Naphthalene	1.605	1.653	-3.0	77	0.00
92	1,2,3-Trichlorobenzene	0.462	0.480	-3.9	77	0.00

(#) = Out of Range

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