

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021644.D
 Acq On : 30 Mar 2021 20:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 31 04:41:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 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	107	0.00
2 M	Dichlorodifluoromethane	2.791	2.534	9.2	98	0.00
3 M	Chloromethane	2.549	2.337	8.3	102	0.00
4 M	Vinyl Chloride	2.265	2.040	9.9	104	0.00
5 M	Bromomethane	0.911	1.008	-10.6	120	0.00
6 M	Chloroethane	1.352	1.172	13.3	101	0.00
7 M	Trichlorofluoromethane	3.401	3.048	10.4	101	0.00
8 T	Diethyl Ether	1.119	0.999	10.7	106	0.00
9	1,1,2-Trichlorotrifluoroeth	1.886	1.635	13.3	101	0.00
10 M	1,1-Dichloroethene	1.787	1.558	12.8	99	0.00
11	Methyl Iodide	1.489	1.432	3.8	133	0.00
12	Methyl Acetate	3.653	3.498	4.2	105	0.00
13 M	Acrolein	0.344	0.312	9.3	105	0.00
14 M	Acrylonitrile	1.139	0.972	14.7	99	0.00
15 M	Acetone	0.302	0.268	11.3	103	0.00
16 M	Carbon Disulfide	4.995	4.274	14.4	100	0.00
17	Allyl chloride	3.467	2.981	14.0	100	0.00
18 M	Methylene Chloride	2.112	1.787	15.4	98	0.00
19 M	trans-1,2-Dichloroethene	1.930	1.693	12.3	102	0.00
20 T	Diisopropyl ether	6.924	5.965	13.9	101	0.00
21 M	1,1-Dichloroethane	3.765	3.246	13.8	102	0.00
22 M	cis-1,2-Dichloroethene	2.232	1.938	13.2	101	0.00
23 M	tert-Butyl Alcohol	0.483	0.386	20.1	96	0.00
24 M	Methyl tert-Butyl Ether	6.542	5.573	14.8	101	0.00
25 M	Chloroform	4.001	3.535	11.6	103	0.00
26	Cyclohexane	3.252	2.784	14.4	99	0.00
27 s	1,2-Dichloroethane-d4	2.802	2.696	3.8	104	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.506	0.457	9.7	100	0.00
30 M	2-Butanone	0.296	0.264	10.8	99	0.00
31	2,2-Dichloropropane	0.564	0.447	20.7	91	0.00
32 M	1,1,1-Trichloroethane	0.626	0.586	6.4	103	0.00
33 M	Carbon Tetrachloride	0.554	0.518	6.5	105	0.00
34 M	Benzene	1.444	1.336	7.5	101	0.00
35	Methacrylonitrile	0.325	0.292	10.2	102	-0.01
36 M	1,2-Dichloroethane	0.618	0.586	5.2	103	0.00
37 M	Trichloroethene	0.375	0.356	5.1	105	0.00
38	Methylcyclohexane	0.561	0.488	13.0	99	0.00
39 M	1,2-Dichloropropane	0.385	0.356	7.5	102	0.00
40	Dibromomethane	0.281	0.261	7.1	101	0.00
41 M	Bromodichloromethane	0.579	0.533	7.9	103	0.00
42 M	Vinyl Acetate	1.016	0.890	12.4	99	0.00
43	Ethyl Acetate	0.563	0.515	8.5	99	0.00
44	Isopropyl Acetate	0.943	0.843	10.6	99	0.00
45 T	1,4-Dioxane	0.009	0.008#	11.1	97	0.00
46	Methyl methacrylate	0.517	0.456	11.8	98	0.00
47	n-amyl Acetate	0.815	0.700	14.1	99	0.00
48 M	t-1,3-Dichloropropene	0.584	0.500	14.4	100	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.625	0.547	12.5	100	0.00
50 M	1,1,2-Trichloroethane	0.378	0.348	7.9	105	0.00
51	Ethyl methacrylate	0.552	0.482	12.7	102	0.00
52	1,3-Dichloropropane	0.646	0.595	7.9	101	0.00
53 M	Dibromochloromethane	0.431	0.390	9.5	104	0.00
54 M	1,2-Dibromoethane	0.406	0.364	10.3	99	0.00
55 M	2-Chloroethyl vinyl ether	0.307	0.271	11.7	97	0.00
56 M	Bromoform	0.304	0.269	11.5	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
58 M	4-Methyl-2-Pentanone	0.633	0.587	7.3	99	0.00
59 M	2-Hexanone	0.476	0.440	7.6	100	0.00
60 S	4-Bromofluorobenzene	0.528	0.525	0.6	103	0.00
61 M	Tetrachloroethene	0.364	0.364	0.0	103	0.00
62 M	Toluene	1.689	1.578	6.6	100	0.00
63 S	Toluene-d8	1.348	1.400	-3.9	104	0.00
64 M	Chlorobenzene	1.030	0.957	7.1	103	0.00
65	1,1,1,2-Tetrachloroethane	0.407	0.382	6.1	107	0.00
66 M	Ethyl Benzene	1.889	1.765	6.6	103	0.00
67 M	m/p-Xylenes	0.695	0.648	6.8	101	0.00
68 M	o-Xylene	0.671	0.600	10.6	98	0.00
69 M	Styrene	1.122	0.997	11.1	99	0.00
70	Isopropylbenzene	1.830	1.684	8.0	102	0.00
71 M	1,1,2,2-Tetrachloroethane	0.627	0.568	9.4	97	0.00
72	1,2,3-Trichloropropane	0.599	0.556	7.2	101	0.00
73	Bromobenzene	0.441	0.402	8.8	99	0.00
74	n-propylbenzene	2.148	1.960	8.8	101	0.00
75	2-Chlorotoluene	1.307	1.200	8.2	101	0.00
76	1,3,5-Trimethylbenzene	1.560	1.439	7.8	101	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.152	20.4	98	0.00
78	4-Chlorotoluene	1.524	1.388	8.9	100	0.00
79	tert-butylbenzene	1.484	1.345	9.4	101	0.00
80	1,2,4-Trimethylbenzene	1.560	1.434	8.1	100	0.00
81	sec-Butylbenzene	1.723	1.548	10.2	102	0.00
82	p-Isopropyltoluene	1.573	1.390	11.6	100	0.00
83 M	1,3-Dichlorobenzene	0.791	0.723	8.6	103	0.00
84 M	1,4-Dichlorobenzene	0.792	0.713	10.0	102	0.00
85	n-Butylbenzene	1.401	1.208	13.8	101	0.00
86 T	Hexachloroethane	0.277	0.245	11.6	108	0.00
87 M	1,2-Dichlorobenzene	0.779	0.699	10.3	100	0.00
88	1,2-Dibromo-3-Chloropropane	0.147	0.128	12.9	99	0.00
89	1,2,4-Trichlorobenzene	0.490	0.419	14.5	98	0.00
90	Hexachlorobutadiene	0.207	0.194	6.3	104	0.00
91 M	Naphthalene	1.632	1.400	14.2	99	0.00
92	1,2,3-Trichlorobenzene	0.490	0.457	6.7	105	0.00

(#) = Out of Range

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