

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023524.D
 Acq On : 03 Aug 2021 13:29
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080321

Quant Time: Aug 04 04:54:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 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	110	0.00
2 M	Dichlorodifluoromethane	1.772	1.652	6.8	106	0.00
3 M	Chloromethane	1.999	1.843	7.8	104	0.00
4 M	Vinyl Chloride	2.000	1.838	8.1	107	0.00
5 M	Bromomethane	1.173	1.312	-11.8	113	0.00
6 M	Chloroethane	1.252	1.145	8.5	108	0.00
7 M	Trichlorofluoromethane	3.229	2.947	8.7	106	0.00
8 T	Diethyl Ether	1.151	1.015	11.8	104	0.00
9	1,1,2-Trichlorotrifluoroeth	1.804	1.686	6.5	108	0.00
10 M	1,1-Dichloroethene	1.738	1.592	8.4	108	0.00
11	Methyl Iodide	2.442	2.045	16.3	104	0.00
12	Methyl Acetate	2.592	2.313	10.8	103	0.00
13 M	Acrolein	0.285	0.254	10.9	111	0.00
14 M	Acrylonitrile	1.147	1.046	8.8	105	0.00
15 M	Acetone	0.348	0.348	0.0	100	0.00
16 M	Carbon Disulfide	4.288	3.785	11.7	108	0.00
17	Allyl chloride	3.212	2.922	9.0	108	0.00
18 M	Methylene Chloride	2.044	1.873	8.4	107	0.00
19 M	trans-1,2-Dichloroethene	1.860	1.701	8.5	109	0.00
20 T	Diisopropyl ether	6.413	5.809	9.4	105	0.00
21 M	1,1-Dichloroethane	3.493	3.203	8.3	108	0.00
22 M	cis-1,2-Dichloroethene	2.165	1.951	9.9	106	0.00
23 M	tert-Butyl Alcohol	0.520	0.475	8.7	104	0.00
24 M	Methyl tert-Butyl Ether	6.097	5.582	8.4	107	0.00
25 M	Chloroform	3.583	3.217	10.2	106	0.00
26	Cyclohexane	3.172	2.922	7.9	108	0.00
27 s	1,2-Dichloroethane-d4	2.320	2.261	2.5	109	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	112	0.00
29	1,1-Dichloropropene	0.467	0.442	5.4	114	0.00
30 M	2-Butanone	0.313	0.289	7.7	101	0.00
31	2,2-Dichloropropane	0.528	0.489	7.4	108	0.00
32 M	1,1,1-Trichloroethane	0.565	0.505	10.6	105	0.00
33 M	Carbon Tetrachloride	0.492	0.440	10.6	106	0.00
34 M	Benzene	1.409	1.281	9.1	105	0.00
35	Methacrylonitrile	0.315	0.279	11.4	106	0.00
36 M	1,2-Dichloroethane	0.538	0.484	10.0	105	0.00
37 M	Trichloroethene	0.383	0.353	7.8	110	0.00
38	Methylcyclohexane	0.594	0.559	5.9	113	0.00
39 M	1,2-Dichloropropane	0.369	0.333	9.8	105	0.00
40	Dibromomethane	0.261	0.235	10.0	105	0.00
41 M	Bromodichloromethane	0.475	0.420	11.6	107	0.00
42 M	Vinyl Acetate	1.020	0.934	8.4	106	0.00
43	Ethyl Acetate	0.581	0.531	8.6	104	0.00
44	Isopropyl Acetate	0.925	0.829	10.4	106	0.00
45 T	1,4-Dioxane	0.010	0.009	10.0	102	0.00
46	Methyl methacrylate	0.446	0.405	9.2	107	0.00
47	n-amyl Acetate	0.787	0.705	10.4	107	0.00
48 M	t-1,3-Dichloropropene	0.554	0.491	11.4	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.588	0.524	10.9	107	0.00
50 M	1,1,2-Trichloroethane	0.378	0.338	10.6	106	0.00
51	Ethyl methacrylate	0.595	0.537	9.7	111	0.00
52	1,3-Dichloropropane	0.620	0.568	8.4	107	0.00
53 M	Dibromochloromethane	0.380	0.323	15.0	106	0.00
54 M	1,2-Dibromoethane	0.400	0.362	9.5	107	0.00
55 M	2-Chloroethyl vinyl ether	0.297	0.287	3.4	114	0.00
56 M	Bromoform	0.272	0.231	15.1	105	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
58 M	4-Methyl-2-Pentanone	0.647	0.610	5.7	104	0.00
59 M	2-Hexanone	0.502	0.486	3.2	104	0.00
60 S	4-Bromofluorobenzene	0.491	0.483	1.6	112	0.00
61 M	Tetrachloroethene	0.403	0.399	1.0	110	0.00
62 M	Toluene	1.692	1.612	4.7	108	0.00
63 S	Toluene-d8	1.350	1.360	-0.7	110	0.00
64 M	Chlorobenzene	1.071	1.004	6.3	107	0.00
65	1,1,1,2-Tetrachloroethane	0.396	0.361	8.8	107	0.00
66 M	Ethyl Benzene	1.873	1.763	5.9	110	0.00
67 M	m/p-Xylenes	0.724	0.679	6.2	108	0.00
68 M	o-Xylene	0.714	0.666	6.7	108	0.00
69 M	Styrene	1.177	1.087	7.6	109	0.00
70	Isopropylbenzene	1.878	1.751	6.8	110	0.00
71 M	1,1,2,2-Tetrachloroethane	0.601	0.569	5.3	107	0.00
72	1,2,3-Trichloropropane	0.565	0.534	5.5	104	0.00
73	Bromobenzene	0.457	0.431	5.7	110	0.00
74	n-propylbenzene	2.174	2.018	7.2	110	0.00
75	2-Chlorotoluene	1.298	1.214	6.5	110	0.00
76	1,3,5-Trimethylbenzene	1.557	1.461	6.2	110	0.00
77	t-1,4-Dichloro-2-butene	0.202	0.179	11.4	106	0.00
78	4-Chlorotoluene	1.466	1.342	8.5	109	0.00
79	tert-butylbenzene	1.513	1.415	6.5	110	0.00
80	1,2,4-Trimethylbenzene	1.543	1.452	5.9	108	0.00
81	sec-Butylbenzene	1.937	1.827	5.7	112	0.00
82	p-Isopropyltoluene	1.592	1.506	5.4	112	0.00
83 M	1,3-Dichlorobenzene	0.828	0.763	7.9	109	0.00
84 M	1,4-Dichlorobenzene	0.818	0.762	6.8	111	0.00
85	n-Butylbenzene	1.408	1.317	6.5	113	0.00
86 T	Hexachloroethane	0.259	0.225	13.1	110	0.00
87 M	1,2-Dichlorobenzene	0.799	0.739	7.5	107	0.00
88	1,2-Dibromo-3-Chloropropane	0.132	0.109	17.4	106	0.00
89	1,2,4-Trichlorobenzene	0.494	0.459	7.1	115	0.00
90	Hexachlorobutadiene	0.222	0.211	5.0	112	0.00
91 M	Naphthalene	1.697	1.510	11.0	107	0.00
92	1,2,3-Trichlorobenzene	0.497	0.460	7.4	113	0.00

(#) = Out of Range

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