

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX022120\
 Data File : VX014988.D
 Acq On : 21 Feb 2020 11:30
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022120

Quant Time: Feb 22 00:40:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 11:08:45 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	107	0.00
2 M	Dichlorodifluoromethane	1.340	1.227	8.4	107	0.00
3 M	Chloromethane	1.732	1.726	0.3	115	0.00
4 M	Vinyl Chloride	1.864	1.703	8.6	106	0.00
5 M	Bromomethane	1.306	1.274	2.5	118	0.00
6 M	Chloroethane	1.249	1.127	9.8	102	0.00
7 M	Trichlorofluoromethane	2.713	2.531	6.7	107	0.00
8 T	Diethyl Ether	1.141	1.081	5.3	109	0.00
9	1,1,2-Trichlorotrifluoroeth	1.569	1.488	5.2	108	0.00
10 M	1,1-Dichloroethene	1.577	1.444	8.4	106	0.00
11	Methyl Iodide	1.916	1.488	22.3	97	0.00
12	Methyl Acetate	1.962	1.837	6.4	109	0.00
13 M	Acrolein	0.390	0.357	8.5	107	0.00
14 M	Acrylonitrile	0.886	0.841	5.1	111	0.00
15 M	Acetone	0.317	0.295	6.9	98	0.00
16 M	Carbon Disulfide	4.240	4.019	5.2	113	0.00
17	Allyl chloride	2.743	2.537	7.5	109	0.00
18 M	Methylene Chloride	1.817	1.691	6.9	105	0.00
19 M	trans-1,2-Dichloroethene	1.732	1.626	6.1	108	0.00
20 T	Diisopropyl ether	5.603	5.227	6.7	105	0.00
21 M	1,1-Dichloroethane	3.071	2.892	5.8	109	0.00
22 M	cis-1,2-Dichloroethene	1.982	1.872	5.5	107	0.00
23 M	tert-Butyl Alcohol	0.351	0.346	1.4	116	0.00
24 M	Methyl tert-Butyl Ether	5.247	5.032	4.1	111	0.00
25 M	Chloroform	3.097	2.900	6.4	107	0.00
26	Cyclohexane	2.745	2.572	6.3	108	0.00
27 s	1,2-Dichloroethane-d4	2.086	2.024	3.0	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.424	0.400	5.7	108	-0.01
30 M	2-Butanone	0.245	0.235	4.1	105	0.00
31	2,2-Dichloropropane	0.466	0.443	4.9	109	0.00
32 M	1,1,1-Trichloroethane	0.482	0.457	5.2	109	-0.01
33 M	Carbon Tetrachloride	0.422	0.399	5.5	109	0.00
34 M	Benzene	1.280	1.216	5.0	107	0.00
35	Methacrylonitrile	0.250	0.232	7.2	109	0.00
36 M	1,2-Dichloroethane	0.453	0.435	4.0	109	0.00
37 M	Trichloroethene	0.360	0.345	4.2	112	0.00
38	Methylcyclohexane	0.526	0.506	3.8	112	0.00
39 M	1,2-Dichloropropane	0.330	0.309	6.4	107	0.00
40	Dibromomethane	0.220	0.204	7.3	104	0.00
41 M	Bromodichloromethane	0.435	0.406	6.7	108	0.00
42 M	Vinyl Acetate	0.862	0.837	2.9	110	0.00
43	Ethyl Acetate	0.443	0.436	1.6	111	0.00
44	Isopropyl Acetate	0.745	0.715	4.0	111	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	109	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.369	0.345	6.5	110	0.00
47	n-amyl Acetate	0.645	0.606	6.0	112	0.00
48 M	t-1,3-Dichloropropene	0.482	0.457	5.2	112	0.00
49 T	cis-1,3-Dichloropropene	0.531	0.502	5.5	110	0.00
50 M	1,1,2-Trichloroethane	0.328	0.311	5.2	105	0.00
51	Ethyl methacrylate	0.506	0.483	4.5	113	0.00
52	1,3-Dichloropropane	0.555	0.526	5.2	107	0.00
53 M	Dibromochloromethane	0.354	0.337	4.8	110	0.00
54 M	1,2-Dibromoethane	0.348	0.335	3.7	110	0.00
55 M	2-Chloroethyl vinyl ether	0.270	0.241	10.7	101	0.00
56 M	Bromoform	0.278	0.255	8.3	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
58 M	4-Methyl-2-Pentanone	0.492	0.482	2.0	111	0.00
59 M	2-Hexanone	0.384	0.374	2.6	109	0.00
60 S	4-Bromofluorobenzene	0.467	0.456	2.4	104	0.00
61 M	Tetrachloroethene	0.403	0.378	6.2	104	0.00
62 M	Toluene	1.537	1.455	5.3	107	0.00
63 S	Toluene-d8	1.308	1.320	-0.9	106	0.00
64 M	Chlorobenzene	0.981	0.939	4.3	109	0.00
65	1,1,1,2-Tetrachloroethane	0.363	0.346	4.7	109	0.00
66 M	Ethyl Benzene	1.693	1.614	4.7	109	0.00
67 M	m/p-Xylenes	0.653	0.628	3.8	110	0.00
68 M	o-Xylene	0.632	0.603	4.6	110	0.00
69 M	Styrene	1.079	1.007	6.7	109	0.00
70	Isopropylbenzene	1.678	1.606	4.3	109	0.00
71 M	1,1,2,2-Tetrachloroethane	0.540	0.522	3.3	110	0.00
72	1,2,3-Trichloropropane	0.448	0.434	3.1	110	0.00
73	Bromobenzene	0.453	0.425	6.2	107	0.00
74	n-propylbenzene	1.909	1.823	4.5	109	0.00
75	2-Chlorotoluene	1.128	1.084	3.9	108	0.00
76	1,3,5-Trimethylbenzene	1.406	1.343	4.5	109	0.00
77	t-1,4-Dichloro-2-butene	0.181	0.162	10.5	112	0.00
78	4-Chlorotoluene	1.305	1.245	4.6	110	0.00
79	tert-butylbenzene	1.358	1.314	3.2	112	0.00
80	1,2,4-Trimethylbenzene	1.398	1.329	4.9	109	0.00
81	sec-Butylbenzene	1.627	1.553	4.5	110	0.00
82	p-Isopropyltoluene	1.511	1.438	4.8	109	0.00
83 M	1,3-Dichlorobenzene	0.795	0.753	5.3	111	0.00
84 M	1,4-Dichlorobenzene	0.800	0.757	5.4	110	0.00
85	n-Butylbenzene	1.315	1.202	8.6	109	0.00
86 T	Hexachloroethane	0.273	0.247	9.5	112	0.00
87 M	1,2-Dichlorobenzene	0.791	0.749	5.3	110	0.00
88	1,2-Dibromo-3-Chloropropane	0.118	0.110	6.8	111	0.00
89	1,2,4-Trichlorobenzene	0.569	0.522	8.3	110	0.00
90	Hexachlorobutadiene	0.282	0.270	4.3	114	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.610	1.503	6.6	108	0.00
92	1,2,3-Trichlorobenzene	0.565	0.522	7.6	109	0.00

(#) = Out of Range

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