

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX121919\
 Data File : VX014137.D
 Acq On : 19 Dec 2019 21:40
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 20 03:51:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 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	98	0.00
2 M	Dichlorodifluoromethane	1.515	1.320	12.9	88	0.00
3 M	Chloromethane	2.136	1.973	7.6	90	0.00
4 M	Vinyl Chloride	2.190	2.019	7.8	93	0.00
5 M	Bromomethane	1.601	1.393	13.0	89	0.00
6 M	Chloroethane	1.352	1.280	5.3	97	0.01
7 M	Trichlorofluoromethane	2.725	2.576	5.5	94	0.00
8 T	Diethyl Ether	1.252	1.181	5.7	94	0.00
9	1,1,2-Trichlorotrifluoroeth	1.625	1.493	8.1	93	0.00
10 M	1,1-Dichloroethene	1.680	1.558	7.3	94	0.00
11	Methyl Iodide	2.163	1.740	19.6	86	0.00
12	Methyl Acetate	2.601	2.506	3.7	95	0.00
13 M	Acrolein	0.315	0.330	-4.8	97	0.00
14 M	Acrylonitrile	1.017	0.984	3.2	98	0.00
15 M	Acetone	0.299	0.312	-4.3	107	0.00
16 M	Carbon Disulfide	4.551	4.291	5.7	98	0.00
17	Allyl chloride	3.019	2.766	8.4	92	0.00
18 M	Methylene Chloride	2.058	1.833	10.9	89	0.00
19 M	trans-1,2-Dichloroethene	1.840	1.699	7.7	94	0.00
20 T	Diisopropyl ether	6.194	5.942	4.1	95	0.00
21 M	1,1-Dichloroethane	3.362	3.124	7.1	93	0.00
22 M	cis-1,2-Dichloroethene	2.133	1.944	8.9	92	0.00
23 M	tert-Butyl Alcohol	0.399	0.412	-3.3	103	-0.02
24 M	Methyl tert-Butyl Ether	5.675	5.328	6.1	94	0.00
25 M	Chloroform	3.205	3.036	5.3	94	0.00
26	Cyclohexane	2.998	2.759	8.0	91	0.00
27 s	1,2-Dichloroethane-d4	2.149	2.096	2.5	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.433	0.417	3.7	95	0.00
30 M	2-Butanone	0.255	0.257	-0.8	101	0.00
31	2,2-Dichloropropane	0.401	0.389	3.0	96	0.00
32 M	1,1,1-Trichloroethane	0.479	0.457	4.6	95	0.00
33 M	Carbon Tetrachloride	0.407	0.378	7.1	93	0.00
34 M	Benzene	1.351	1.292	4.4	93	0.00
35	Methacrylonitrile	0.275	0.271	1.5	96	0.00
36 M	1,2-Dichloroethane	0.469	0.445	5.1	95	0.00
37 M	Trichloroethene	0.368	0.341	7.3	92	0.00
38	Methylcyclohexane	0.517	0.487	5.8	94	0.00
39 M	1,2-Dichloropropane	0.351	0.335	4.6	94	0.00
40	Dibromomethane	0.224	0.215	4.0	94	0.00
41 M	Bromodichloromethane	0.434	0.407	6.2	95	0.00
42 M	Vinyl Acetate	0.902	0.793	12.1	85	0.00
43	Ethyl Acetate	0.490	0.488	0.4	99	0.00
44	Isopropyl Acetate	0.821	0.780	5.0	96	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	101	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.399	0.378	5.3	95	0.00
47	n-amyl Acetate	0.730	0.664	9.0	93	0.00
48 M	t-1,3-Dichloropropene	0.474	0.443	6.5	99	0.00
49 T	cis-1,3-Dichloropropene	0.533	0.501	6.0	96	0.00
50 M	1,1,2-Trichloroethane	0.346	0.331	4.3	94	0.00
51	Ethyl methacrylate	0.550	0.514	6.5	95	0.00
52	1,3-Dichloropropane	0.588	0.551	6.3	91	0.00
53 M	Dibromochloromethane	0.346	0.327	5.5	97	0.00
54 M	1,2-Dibromoethane	0.356	0.341	4.2	95	0.00
55 M	2-Chloroethyl vinyl ether	0.243	0.243	0.0	98	0.00
56 M	Bromoform	0.270	0.244	9.6	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.561	0.542	3.4	95	0.00
59 M	2-Hexanone	0.426	0.413	3.1	96	0.00
60 S	4-Bromofluorobenzene	0.484	0.474	2.1	96	0.00
61 M	Tetrachloroethene	0.397	0.467	-17.6	120	0.00
62 M	Toluene	1.596	1.528	4.3	94	0.00
63 S	Toluene-d8	1.341	1.358	-1.3	96	0.00
64 M	Chlorobenzene	1.000	0.933	6.7	92	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.340	8.1	93	0.00
66 M	Ethyl Benzene	1.746	1.653	5.3	94	0.00
67 M	m/p-Xylenes	0.667	0.620	7.0	92	0.00
68 M	o-Xylene	0.661	0.609	7.9	91	0.00
69 M	Styrene	1.125	1.029	8.5	93	0.00
70	Isopropylbenzene	1.709	1.596	6.6	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.606	0.532	12.2	87	0.00
72	1,2,3-Trichloropropane	0.539	0.516	4.3	94	0.00
73	Bromobenzene	0.456	0.414	9.2	91	0.00
74	n-propylbenzene	1.938	1.786	7.8	92	0.00
75	2-Chlorotoluene	1.171	1.080	7.8	91	0.00
76	1,3,5-Trimethylbenzene	1.450	1.308	9.8	90	0.00
77	t-1,4-Dichloro-2-butene	0.178	0.157	11.8	98	0.00
78	4-Chlorotoluene	1.338	1.201	10.2	90	0.00
79	tert-butylbenzene	1.397	1.198	14.2	85	0.00
80	1,2,4-Trimethylbenzene	1.449	1.330	8.2	92	0.00
81	sec-Butylbenzene	1.662	1.504	9.5	91	0.00
82	p-Isopropyltoluene	1.500	1.348	10.1	91	0.00
83 M	1,3-Dichlorobenzene	0.795	0.716	9.9	93	0.00
84 M	1,4-Dichlorobenzene	0.792	0.713	10.0	92	0.00
85	n-Butylbenzene	1.261	1.109	12.1	93	0.00
86 T	Hexachloroethane	0.272	0.233	14.3	94	0.00
87 M	1,2-Dichlorobenzene	0.808	0.733	9.3	93	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.114	5.8	95	0.00
89	1,2,4-Trichlorobenzene	0.516	0.464	10.1	97	0.00
90	Hexachlorobutadiene	0.245	0.227	7.3	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.551	1.467	5.4	101	0.00
92	1,2,3-Trichlorobenzene	0.524	0.484	7.6	99	0.00

(#) = Out of Range

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