

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014082.D
 Acq On : 18 Dec 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 18 08:33:11 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	103	0.00
2 M	Dichlorodifluoromethane	1.515	1.373	9.4	96	0.00
3 M	Chloromethane	2.136	2.065	3.3	99	0.00
4 M	Vinyl Chloride	2.190	2.114	3.5	102	0.00
5 M	Bromomethane	1.601	1.201	25.0	81	0.00
6 M	Chloroethane	1.352	1.385	-2.4	110	0.02
7 M	Trichlorofluoromethane	2.725	2.582	5.2	99	0.00
8 T	Diethyl Ether	1.252	1.227	2.0	103	0.00
9	1,1,2-Trichlorotrifluoroeth	1.625	1.496	7.9	98	0.00
10 M	1,1-Dichloroethene	1.680	1.607	4.3	102	0.00
11	Methyl Iodide	2.163	2.036	5.9	106	0.00
12	Methyl Acetate	2.601	2.583	0.7	103	0.00
13 M	Acrolein	0.315	0.275	12.7	85	0.00
14 M	Acrylonitrile	1.017	1.019	-0.2	107	0.00
15 M	Acetone	0.299	0.436	-45.8#	158#	0.00
16 M	Carbon Disulfide	4.551	4.344	4.5	104	0.00
17	Allyl chloride	3.019	2.796	7.4	98	0.00
18 M	Methylene Chloride	2.058	1.908	7.3	98	0.00
19 M	trans-1,2-Dichloroethene	1.840	1.747	5.1	102	0.00
20 T	Diisopropyl ether	6.194	5.829	5.9	98	0.00
21 M	1,1-Dichloroethane	3.362	3.188	5.2	100	0.00
22 M	cis-1,2-Dichloroethene	2.133	2.018	5.4	100	0.00
23 M	tert-Butyl Alcohol	0.399	0.369	7.5	97	-0.02
24 M	Methyl tert-Butyl Ether	5.675	5.336	6.0	99	0.00
25 M	Chloroform	3.205	3.086	3.7	100	0.00
26	Cyclohexane	2.998	2.785	7.1	97	0.00
27 s	1,2-Dichloroethane-d4	2.149	2.111	1.8	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
29	1,1-Dichloropropene	0.433	0.418	3.5	100	0.00
30 M	2-Butanone	0.255	0.294	-15.3	120	0.00
31	2,2-Dichloropropane	0.401	0.322	19.7	83	0.00
32 M	1,1,1-Trichloroethane	0.479	0.455	5.0	100	0.00
33 M	Carbon Tetrachloride	0.407	0.385	5.4	99	0.00
34 M	Benzene	1.351	1.341	0.7	101	0.00
35	Methacrylonitrile	0.275	0.277	-0.7	102	0.00
36 M	1,2-Dichloroethane	0.469	0.460	1.9	103	0.00
37 M	Trichloroethene	0.368	0.399	-8.4	113	0.00
38	Methylcyclohexane	0.517	0.465	10.1	94	0.00
39 M	1,2-Dichloropropane	0.351	0.341	2.8	100	0.00
40	Dibromomethane	0.224	0.224	0.0	103	0.00
41 M	Bromodichloromethane	0.434	0.417	3.9	102	0.00
42 M	Vinyl Acetate	0.902	0.355	60.6#	40	0.00
43	Ethyl Acetate	0.490	0.495	-1.0	105	0.00
44	Isopropyl Acetate	0.821	0.786	4.3	102	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	89	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.399	0.379	5.0	99	0.00
47	n-amyl Acetate	0.730	0.660	9.6	97	0.00
48 M	t-1,3-Dichloropropene	0.474	0.425	10.3	99	0.00
49 T	cis-1,3-Dichloropropene	0.533	0.489	8.3	98	0.00
50 M	1,1,2-Trichloroethane	0.346	0.335	3.2	99	0.00
51	Ethyl methacrylate	0.550	0.518	5.8	100	0.00
52	1,3-Dichloropropane	0.588	0.580	1.4	100	0.00
53 M	Dibromochloromethane	0.346	0.320	7.5	100	0.00
54 M	1,2-Dibromoethane	0.356	0.353	0.8	103	0.00
55 M	2-Chloroethyl vinyl ether	0.243	0.237	2.5	100	0.00
56 M	Bromoform	0.270	0.243	10.0	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.561	0.558	0.5	101	0.00
59 M	2-Hexanone	0.426	0.450	-5.6	108	0.00
60 S	4-Bromofluorobenzene	0.484	0.476	1.7	99	0.00
61 M	Tetrachloroethene	0.397	0.586	-47.6#	156#	0.00
62 M	Toluene	1.596	1.577	1.2	100	0.00
63 S	Toluene-d8	1.341	1.370	-2.2	100	0.00
64 M	Chlorobenzene	1.000	0.976	2.4	99	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.350	5.4	99	0.00
66 M	Ethyl Benzene	1.746	1.698	2.7	99	0.00
67 M	m/p-Xylenes	0.667	0.648	2.8	99	0.00
68 M	o-Xylene	0.661	0.627	5.1	97	0.00
69 M	Styrene	1.125	1.066	5.2	99	0.00
70	Isopropylbenzene	1.709	1.649	3.5	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.606	0.464	23.4	78	0.00
72	1,2,3-Trichloropropane	0.539	0.533	1.1	100	0.00
73	Bromobenzene	0.456	0.430	5.7	98	0.00
74	n-propylbenzene	1.938	1.870	3.5	100	0.00
75	2-Chlorotoluene	1.171	1.118	4.5	98	0.00
76	1,3,5-Trimethylbenzene	1.450	1.364	5.9	97	0.00
77	t-1,4-Dichloro-2-butene	0.178	0.151	15.2	97	0.00
78	4-Chlorotoluene	1.338	1.267	5.3	98	0.00
79	tert-butylbenzene	1.397	1.142	18.3	84	0.00
80	1,2,4-Trimethylbenzene	1.449	1.358	6.3	97	0.00
81	sec-Butylbenzene	1.662	1.567	5.7	98	0.00
82	p-Isopropyltoluene	1.500	1.414	5.7	99	0.00
83 M	1,3-Dichlorobenzene	0.795	0.744	6.4	99	0.00
84 M	1,4-Dichlorobenzene	0.792	0.736	7.1	98	0.00
85	n-Butylbenzene	1.261	1.173	7.0	102	0.00
86 T	Hexachloroethane	0.272	0.231	15.1	96	0.00
87 M	1,2-Dichlorobenzene	0.808	0.755	6.6	99	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.112	7.4	97	0.00
89	1,2,4-Trichlorobenzene	0.516	0.477	7.6	103	0.00
90	Hexachlorobutadiene	0.245	0.207	15.5	90	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.551	1.489	4.0	106	0.00
92	1,2,3-Trichlorobenzene	0.524	0.496	5.3	105	0.00

(#) = Out of Range

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