

Data File : VX008673.D
Acq On : 05 Apr 2019 10:11
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Apr 05 13:55:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	87	0.00
2 M	Dichlorodifluoromethane	2.051	1.767	13.8	75	0.00
3 M	Chloromethane	2.688	2.382	11.4	76	0.00
4 M	Vinyl Chloride	2.709	2.308	14.8	75	0.00
5 M	Bromomethane	1.404	1.067	24.0	73	0.00
6 M	Chloroethane	1.773	1.433	19.2	75	0.00
7 M	Trichlorofluoromethane	3.007	2.625	12.7	76	0.00
8 T	Diethyl Ether	1.418	1.214	14.4	74	0.00
9	1,1,2-Trichlorotrifluoroeth	1.873	1.680	10.3	80	0.00
10 M	1,1-Dichloroethene	1.900	1.652	13.1	76	0.00
11	Methyl Iodide	1.967	1.141	42.0#	56	0.00
12	Methyl Acetate	1.540	1.373	10.8	78	0.00
13 M	Acrolein	0.442	0.766	-73.3#	155#	0.00
14 M	Acrylonitrile	1.424	1.304	8.4	81	0.00
15 M	Acetone	0.439	0.494	-12.5	89	0.00
16 M	Carbon Disulfide	5.910	5.028	14.9	76	0.00
17	Allyl chloride	4.270	3.907	8.5	82	0.00
18 M	Methylene Chloride	2.271	2.073	8.7	80	0.00
19 M	trans-1,2-Dichloroethene	2.030	1.838	9.5	80	0.00
20 T	Diisopropyl ether	8.310	7.579	8.8	80	0.00
21 M	1,1-Dichloroethane	4.171	3.749	10.1	79	0.00
22 M	cis-1,2-Dichloroethene	2.345	2.142	8.7	81	0.00
23 M	tert-Butyl Alcohol	0.575	0.520	9.6	80	0.00
24 M	Methyl tert-Butyl Ether	6.982	6.267	10.2	79	0.00
25 M	Chloroform	3.778	3.408	9.8	78	0.00
26	Cyclohexane	4.052	3.706	8.5	82	0.00
27 s	1,2-Dichloroethane-d4	2.510	2.508	0.1	86	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.505	0.450	10.9	81	0.00
30 M	2-Butanone	0.371	0.355	4.3	83	0.00
31	2,2-Dichloropropane	0.504	0.455	9.7	83	0.00
32 M	1,1,1-Trichloroethane	0.524	0.453	13.5	78	0.00
33 M	Carbon Tetrachloride	0.439	0.380	13.4	79	0.00
34 M	Benzene	1.543	1.360	11.9	79	0.00
35	Methacrylonitrile	0.377	0.341	9.5	83	0.00
36 M	1,2-Dichloroethane	0.550	0.491	10.7	80	0.00
37 M	Trichloroethene	0.355	0.323	9.0	84	0.00
38	Methylcyclohexane	0.636	0.565	11.2	81	0.00
39 M	1,2-Dichloropropane	0.438	0.384	12.3	79	0.00
40	Dibromomethane	0.253	0.219	13.4	79	0.00
41 M	Bromodichloromethane	0.498	0.427	14.3	78	0.00
42 M	Vinyl Acetate	1.258	1.135	9.8	81	0.00
43	Ethyl Acetate	0.668	0.593	11.2	78	0.00
44	Isopropyl Acetate	1.080	0.940	13.0	79	0.00
45 T	1,4-Dioxane	0.011	0.009#	18.2	76	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.549	0.478	12.9	79	0.00
47	n-amyl Acetate	0.981	0.841	14.3	81	0.00
48 M	t-1,3-Dichloropropene	0.563	0.482	14.4	82	0.00
49 T	cis-1,3-Dichloropropene	0.630	0.556	11.7	82	0.00
50 M	1,1,2-Trichloroethane	0.376	0.331	12.0	81	0.00
51	Ethyl methacrylate	0.700	0.594	15.1	79	0.00
52	1,3-Dichloropropane	0.670	0.584	12.8	78	0.00
53 M	Dibromochloromethane	0.370	0.315	14.9	80	0.00
54 M	1,2-Dibromoethane	0.388	0.337	13.1	79	0.00
55 M	2-Chloroethyl vinyl ether	0.353	0.406	-15.0	115	0.00
56 M	Bromoform	0.270	0.221	18.1	80	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.791	0.709	10.4	80	0.00
59 M	2-Hexanone	0.625	0.590	5.6	81	0.00
60 S	4-Bromofluorobenzene	0.523	0.524	-0.2	90	0.00
61 M	Tetrachloroethene	0.328	0.320	2.4	87	0.00
62 M	Toluene	1.816	1.636	9.9	80	0.00
63 S	Toluene-d8	1.424	1.439	-1.1	87	0.00
64 M	Chlorobenzene	1.064	0.949	10.8	80	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.336	10.4	82	0.00
66 M	Ethyl Benzene	2.016	1.800	10.7	80	0.00
67 M	m/p-Xylenes	0.735	0.654	11.0	80	0.00
68 M	o-Xylene	0.720	0.635	11.8	79	0.00
69 M	Styrene	1.252	1.109	11.4	81	0.00
70	Isopropylbenzene	1.898	1.713	9.7	82	0.00
71 M	1,1,2,2-Tetrachloroethane	0.709	0.619	12.7	78	0.00
72	1,2,3-Trichloropropane	0.599	0.532	11.2	77	0.00
73	Bromobenzene	0.452	0.403	10.8	82	0.00
74	n-propylbenzene	2.261	2.009	11.1	81	0.00
75	2-Chlorotoluene	1.345	1.190	11.5	80	0.00
76	1,3,5-Trimethylbenzene	1.623	1.433	11.7	80	0.00
77	t-1,4-Dichloro-2-butene	0.230	0.191	17.0	83	0.00
78	4-Chlorotoluene	1.548	1.358	12.3	81	0.00
79	tert-butylbenzene	1.658	1.479	10.8	81	0.00
80	1,2,4-Trimethylbenzene	1.618	1.424	12.0	80	0.00
81	sec-Butylbenzene	1.854	1.626	12.3	80	0.00
82	p-Isopropyltoluene	1.658	1.479	10.8	81	0.00
83 M	1,3-Dichlorobenzene	0.802	0.716	10.7	83	0.00
84 M	1,4-Dichlorobenzene	0.801	0.717	10.5	83	0.00
85	n-Butylbenzene	1.576	1.364	13.5	81	0.00
86 T	Hexachloroethane	0.277	0.231	16.6	79	0.00
87 M	1,2-Dichlorobenzene	0.808	0.725	10.3	83	0.00
88	1,2-Dibromo-3-Chloropropane	0.157	0.135	14.0	77	0.00
89	1,2,4-Trichlorobenzene	0.557	0.505	9.3	85	0.00
90	Hexachlorobutadiene	0.268	0.250	6.7	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040519\
Evaluate Continuing Calibration Report

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.909	1.710	10.4	79	0.00
92	1,2,3-Trichlorobenzene	0.561	0.514	8.4	83	0.00

(#) = Out of Range

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