

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX040919\
 Data File : VX008760.D
 Acq On : 09 Apr 2019 09:48
 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 09 14:08:17 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	90	0.00
2 M	Dichlorodifluoromethane	2.051	1.826	11.0	79	0.00
3 M	Chloromethane	2.688	2.326	13.5	77	0.00
4 M	Vinyl Chloride	2.709	2.313	14.6	77	0.00
5 M	Bromomethane	1.404	1.184	15.7	83	0.00
6 M	Chloroethane	1.773	1.409	20.5	76	0.00
7 M	Trichlorofluoromethane	3.007	2.762	8.1	82	0.00
8 T	Diethyl Ether	1.418	1.269	10.5	79	0.00
9	1,1,2-Trichlorotrifluoroeth	1.873	1.719	8.2	84	0.00
10 M	1,1-Dichloroethene	1.900	1.704	10.3	81	0.00
11	Methyl Iodide	1.967	1.472	25.2	75	0.00
12	Methyl Acetate	1.540	1.475	4.2	86	0.00
13 M	Acrolein	0.442	0.509	-15.2	106	0.00
14 M	Acrylonitrile	1.424	1.420	0.3	91	0.00
15 M	Acetone	0.439	0.450	-2.5	84	0.00
16 M	Carbon Disulfide	5.910	5.115	13.5	79	0.00
17	Allyl chloride	4.270	4.160	2.6	90	0.00
18 M	Methylene Chloride	2.271	2.128	6.3	84	0.00
19 M	trans-1,2-Dichloroethene	2.030	1.899	6.5	85	0.00
20 T	Diisopropyl ether	8.310	8.306	0.0	91	0.00
21 M	1,1-Dichloroethane	4.171	4.034	3.3	87	0.00
22 M	cis-1,2-Dichloroethene	2.345	2.248	4.1	88	0.00
23 M	tert-Butyl Alcohol	0.575	0.545	5.2	87	0.01
24 M	Methyl tert-Butyl Ether	6.982	6.795	2.7	88	0.00
25 M	Chloroform	3.778	3.663	3.0	87	0.00
26	Cyclohexane	4.052	3.913	3.4	89	0.00
27 s	1,2-Dichloroethane-d4	2.510	2.500	0.4	88	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.505	0.481	4.8	87	0.00
30 M	2-Butanone	0.371	0.391	-5.4	92	0.00
31	2,2-Dichloropropane	0.504	0.508	-0.8	93	0.00
32 M	1,1,1-Trichloroethane	0.524	0.509	2.9	88	0.00
33 M	Carbon Tetrachloride	0.439	0.425	3.2	89	0.00
34 M	Benzene	1.543	1.494	3.2	87	0.00
35	Methacrylonitrile	0.377	0.376	0.3	92	0.00
36 M	1,2-Dichloroethane	0.550	0.530	3.6	87	0.00
37 M	Trichloroethene	0.355	0.352	0.8	91	0.00
38	Methylcyclohexane	0.636	0.622	2.2	90	0.00
39 M	1,2-Dichloropropane	0.438	0.420	4.1	87	0.00
40	Dibromomethane	0.253	0.236	6.7	85	0.00
41 M	Bromodichloromethane	0.498	0.474	4.8	87	0.00
42 M	Vinyl Acetate	1.258	1.251	0.6	89	0.00
43	Ethyl Acetate	0.668	0.683	-2.2	90	0.00
44	Isopropyl Acetate	1.080	1.064	1.5	90	0.00
45 T	1,4-Dioxane	0.011	0.010#	9.1	79	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.549	0.536	2.4	90	0.00
47	n-amyl Acetate	0.981	0.903	8.0	87	0.00
48 M	t-1,3-Dichloropropene	0.563	0.529	6.0	90	0.00
49 T	cis-1,3-Dichloropropene	0.630	0.600	4.8	89	0.00
50 M	1,1,2-Trichloroethane	0.376	0.362	3.7	90	0.00
51	Ethyl methacrylate	0.700	0.650	7.1	87	0.00
52	1,3-Dichloropropane	0.670	0.643	4.0	87	0.00
53 M	Dibromochloromethane	0.370	0.348	5.9	89	0.00
54 M	1,2-Dibromoethane	0.388	0.369	4.9	87	0.00
55 M	2-Chloroethyl vinyl ether	0.353	0.358	-1.4	102	0.00
56 M	Bromoform	0.270	0.252	6.7	92	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.791	0.806	-1.9	91	0.00
59 M	2-Hexanone	0.625	0.638	-2.1	88	0.00
60 S	4-Bromofluorobenzene	0.523	0.512	2.1	88	0.00
61 M	Tetrachloroethene	0.328	0.360	-9.8	98	0.00
62 M	Toluene	1.816	1.772	2.4	87	0.00
63 S	Toluene-d8	1.424	1.443	-1.3	88	0.00
64 M	Chlorobenzene	1.064	1.035	2.7	88	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.372	0.8	91	0.00
66 M	Ethyl Benzene	2.016	1.919	4.8	86	0.00
67 M	m/p-Xylenes	0.735	0.692	5.9	85	0.00
68 M	o-Xylene	0.720	0.675	6.2	84	0.00
69 M	Styrene	1.252	1.166	6.9	86	0.00
70	Isopropylbenzene	1.898	1.820	4.1	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.709	0.671	5.4	86	0.00
72	1,2,3-Trichloropropane	0.599	0.597	0.3	87	0.00
73	Bromobenzene	0.452	0.426	5.8	87	0.00
74	n-propylbenzene	2.261	2.126	6.0	86	0.00
75	2-Chlorotoluene	1.345	1.261	6.2	85	0.00
76	1,3,5-Trimethylbenzene	1.623	1.540	5.1	87	0.00
77	t-1,4-Dichloro-2-butene	0.230	0.216	6.1	94	0.00
78	4-Chlorotoluene	1.548	1.422	8.1	86	0.00
79	tert-butylbenzene	1.658	1.602	3.4	88	0.00
80	1,2,4-Trimethylbenzene	1.618	1.542	4.7	87	0.00
81	sec-Butylbenzene	1.854	1.760	5.1	87	0.00
82	p-Isopropyltoluene	1.658	1.602	3.4	88	0.00
83 M	1,3-Dichlorobenzene	0.802	0.761	5.1	89	0.00
84 M	1,4-Dichlorobenzene	0.801	0.752	6.1	88	0.00
85	n-Butylbenzene	1.576	1.472	6.6	88	0.00
86 T	Hexachloroethane	0.277	0.261	5.8	90	0.00
87 M	1,2-Dichlorobenzene	0.808	0.752	6.9	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.157	0.141	10.2	81	0.00
89	1,2,4-Trichlorobenzene	0.557	0.519	6.8	88	0.00
90	Hexachlorobutadiene	0.268	0.271	-1.1	94	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.909	1.718	10.0	80	0.00
92	1,2,3-Trichlorobenzene	0.561	0.525	6.4	85	0.00

(#) = Out of Range

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