

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071919\
 Data File : VX010989.D
 Acq On : 19 Jul 2019 03:48
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 19 04:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 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	1.983	2.016	-1.7	96	0.00
3 M	Chloromethane	1.744	1.721	1.3	93	0.00
4 M	Vinyl Chloride	1.819	1.880	-3.4	99	0.00
5 M	Bromomethane	1.001	0.791	21.0	67	0.00
6 M	Chloroethane	1.076	1.239	-15.1	111	0.00
7 M	Trichlorofluoromethane	3.021	3.036	-0.5	98	0.00
8 T	Diethyl Ether	0.992	0.987	0.5	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.669	1.653	1.0	97	0.00
10 M	1,1-Dichloroethene	1.678	1.635	2.6	95	0.00
11	Methyl Iodide	2.253	1.177	47.8#	56	0.00
12	Methyl Acetate	2.356	3.614	-53.4#	148	0.00
13 M	Acrolein	0.283	0.178	37.1#	61	0.00
14 M	Acrylonitrile	0.922	0.940	-2.0	99	0.00
15 M	Acetone	0.257	0.265	-3.1	98	0.00
16 M	Carbon Disulfide	4.311	4.313	-0.0	102	0.00
17	Allyl chloride	2.429	2.355	3.0	98	0.00
18 M	Methylene Chloride	1.868	1.883	-0.8	99	0.00
19 M	trans-1,2-Dichloroethene	1.772	1.749	1.3	96	0.00
20 T	Diisopropyl ether	5.128	5.021	2.1	98	0.00
21 M	1,1-Dichloroethane	2.951	2.929	0.7	99	0.00
22 M	cis-1,2-Dichloroethene	2.038	2.012	1.3	98	0.00
23 M	tert-Butyl Alcohol	0.482	0.479	0.6	100	0.00
24 M	Methyl tert-Butyl Ether	5.386	5.307	1.5	98	0.00
25 M	Chloroform	3.232	3.128	3.2	97	0.00
26	Cyclohexane	2.700	2.639	2.3	97	0.00
27 s	1,2-Dichloroethane-d4	2.034	1.963	3.5	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.422	0.420	0.5	97	0.00
30 M	2-Butanone	0.228	0.231	-1.3	98	0.00
31	2,2-Dichloropropane	0.368	0.303	17.7	83	0.00
32 M	1,1,1-Trichloroethane	0.509	0.489	3.9	97	0.00
33 M	Carbon Tetrachloride	0.442	0.426	3.6	100	0.00
34 M	Benzene	1.266	1.298	-2.5	99	0.00
35	Methacrylonitrile	0.237	0.239	-0.8	102	0.00
36 M	1,2-Dichloroethane	0.453	0.450	0.7	100	0.00
37 M	Trichloroethene	0.371	0.381	-2.7	102	0.00
38	Methylcyclohexane	0.532	0.518	2.6	95	0.00
39 M	1,2-Dichloropropane	0.316	0.330	-4.4	102	0.00
40	Dibromomethane	0.233	0.235	-0.9	99	0.00
41 M	Bromodichloromethane	0.423	0.411	2.8	101	0.00
42 M	Vinyl Acetate	0.750	0.605	19.3	80	0.00
43	Ethyl Acetate	0.437	0.399	8.7	91	0.00
44	Isopropyl Acetate	0.712	0.628	11.8	88	0.00
45 T	1,4-Dioxane	0.009	0.009#	0.0	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.346	0.340	1.7	99	0.00
47	n-amyl Acetate	0.639	0.506	20.8	80	0.00
48 M	t-1,3-Dichloropropene	0.446	0.400	10.3	95	0.00
49 T	cis-1,3-Dichloropropene	0.487	0.464	4.7	97	0.00
50 M	1,1,2-Trichloroethane	0.341	0.346	-1.5	100	0.00
51	Ethyl methacrylate	0.527	0.516	2.1	100	0.00
52	1,3-Dichloropropane	0.547	0.550	-0.5	98	0.00
53 M	Dibromochloromethane	0.368	0.345	6.3	98	0.00
54 M	1,2-Dibromoethane	0.370	0.372	-0.5	100	0.00
55 M	2-Chloroethyl vinyl ether	0.223	0.214	4.0	94	0.00
56 M	Bromoform	0.274	0.241	12.0	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.507	0.510	-0.6	99	0.00
59 M	2-Hexanone	0.388	0.395	-1.8	99	0.00
60 S	4-Bromofluorobenzene	0.494	0.476	3.6	98	0.00
61 M	Tetrachloroethene	0.396	0.411	-3.8	99	0.00
62 M	Toluene	1.594	1.614	-1.3	99	0.00
63 S	Toluene-d8	1.319	1.347	-2.1	98	0.00
64 M	Chlorobenzene	1.021	1.033	-1.2	100	0.00
65	1,1,1,2-Tetrachloroethane	0.371	0.356	4.0	97	0.00
66 M	Ethyl Benzene	1.794	1.786	0.4	98	0.00
67 M	m/p-Xylenes	0.686	0.682	0.6	96	0.00
68 M	o-Xylene	0.673	0.665	1.2	97	0.00
69 M	Styrene	1.131	1.122	0.8	99	0.00
70	Isopropylbenzene	1.791	1.780	0.6	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.578	0.590	-2.1	101	0.00
72	1,2,3-Trichloropropane	0.482	0.471	2.3	98	0.00
73	Bromobenzene	0.483	0.482	0.2	99	0.00
74	n-propylbenzene	2.016	1.976	2.0	98	0.00
75	2-Chlorotoluene	1.201	1.189	1.0	99	0.00
76	1,3,5-Trimethylbenzene	1.516	1.485	2.0	97	0.00
77	t-1,4-Dichloro-2-butene	0.159	0.100	37.1#	72	0.00
78	4-Chlorotoluene	1.379	1.355	1.7	99	0.00
79	tert-butylbenzene	1.470	1.448	1.5	99	0.00
80	1,2,4-Trimethylbenzene	1.527	1.496	2.0	97	0.00
81	sec-Butylbenzene	1.733	1.711	1.3	98	0.00
82	p-Isopropyltoluene	1.608	1.582	1.6	98	0.00
83 M	1,3-Dichlorobenzene	0.853	0.837	1.9	98	0.00
84 M	1,4-Dichlorobenzene	0.848	0.831	2.0	97	0.00
85	n-Butylbenzene	1.370	1.309	4.5	97	0.00
86 T	Hexachloroethane	0.254	0.206	18.9	89	0.00
87 M	1,2-Dichlorobenzene	0.835	0.833	0.2	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.127	0.114	10.2	92	0.00
89	1,2,4-Trichlorobenzene	0.576	0.561	2.6	98	0.00
90	Hexachlorobutadiene	0.279	0.263	5.7	94	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.758	1.747	0.6	97	0.00
92	1,2,3-Trichlorobenzene	0.577	0.569	1.4	98	0.00

(#) = Out of Range

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