

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX051719\
 Data File : VX009661.D
 Acq On : 17 May 2019 14:26
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 18 05:27:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 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	86	0.00
2 M	Dichlorodifluoromethane	1.594	1.350	15.3	73	0.00
3 M	Chloromethane	2.143	2.105	1.8	86	0.00
4 M	Vinyl Chloride	2.138	2.013	5.8	81	0.00
5 M	Bromomethane	1.355	1.341	1.0	96	0.00
6 M	Chloroethane	1.402	1.284	8.4	77	0.00
7 M	Trichlorofluoromethane	2.640	2.605	1.3	87	0.00
8 T	Diethyl Ether	1.226	1.250	-2.0	90	0.00
9	1,1,2-Trichlorotrifluoroeth	1.634	1.642	-0.5	87	0.00
10 M	1,1-Dichloroethene	1.641	1.566	4.6	83	0.00
11	Methyl Iodide	1.784	1.754	1.7	92	0.00
12	Methyl Acetate	3.091	3.186	-3.1	92	0.00
13 M	Acrolein	0.424	0.505	-19.1	112	0.00
14 M	Acrylonitrile	1.341	1.405	-4.8	92	0.00
15 M	Acetone	0.385	0.416	-8.1	92	0.00
16 M	Carbon Disulfide	4.440	4.042	9.0	80	0.00
17	Allyl chloride	3.939	3.852	2.2	86	0.00
18 M	Methylene Chloride	1.983	2.003	-1.0	89	0.00
19 M	trans-1,2-Dichloroethene	1.750	1.744	0.3	88	0.00
20 T	Diisopropyl ether	7.758	7.906	-1.9	89	0.00
21 M	1,1-Dichloroethane	3.754	3.733	0.6	88	0.00
22 M	cis-1,2-Dichloroethene	2.107	2.106	0.0	88	0.00
23 M	tert-Butyl Alcohol	0.567	0.614	-8.3	99	0.00
24 M	Methyl tert-Butyl Ether	6.422	6.485	-1.0	90	0.00
25 M	Chloroform	3.426	3.527	-2.9	90	0.00
26	Cyclohexane	3.499	3.418	2.3	85	0.00
27 s	1,2-Dichloroethane-d4	2.489	2.532	-1.7	88	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.440	0.438	0.5	87	0.00
30 M	2-Butanone	0.345	0.369	-7.0	94	0.00
31	2,2-Dichloropropane	0.485	0.474	2.3	86	0.00
32 M	1,1,1-Trichloroethane	0.477	0.482	-1.0	91	0.00
33 M	Carbon Tetrachloride	0.399	0.399	0.0	89	0.00
34 M	Benzene	1.357	1.367	-0.7	88	0.00
35	Methacrylonitrile	0.361	0.378	-4.7	91	0.00
36 M	1,2-Dichloroethane	0.492	0.516	-4.9	92	0.00
37 M	Trichloroethene	0.327	0.324	0.9	88	0.00
38	Methylcyclohexane	0.544	0.544	0.0	88	0.00
39 M	1,2-Dichloropropane	0.386	0.400	-3.6	91	0.00
40	Dibromomethane	0.219	0.223	-1.8	89	0.00
41 M	Bromodichloromethane	0.448	0.454	-1.3	91	0.00
42 M	Vinyl Acetate	1.138	1.179	-3.6	90	0.00
43	Ethyl Acetate	0.623	0.662	-6.3	91	0.00
44	Isopropyl Acetate	1.009	1.037	-2.8	92	0.00
45 T	1,4-Dioxane	0.010	0.011#	-10.0	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.504	0.517	-2.6	91	0.00
47	n-amyl Acetate	0.909	0.939	-3.3	94	0.00
48 M	t-1,3-Dichloropropene	0.523	0.512	2.1	90	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.564	1.7	89	0.00
50 M	1,1,2-Trichloroethane	0.336	0.343	-2.1	90	0.00
51	Ethyl methacrylate	0.621	0.616	0.8	89	0.00
52	1,3-Dichloropropane	0.596	0.613	-2.9	90	0.00
53 M	Dibromochloromethane	0.335	0.333	0.6	90	0.00
54 M	1,2-Dibromoethane	0.345	0.351	-1.7	90	0.00
55 M	2-Chloroethyl vinyl ether	0.331	0.411	-24.2	105	0.00
56 M	Bromoform	0.257	0.248	3.5	91	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.738	0.784	-6.2	95	0.00
59 M	2-Hexanone	0.579	0.619	-6.9	95	0.00
60 S	4-Bromofluorobenzene	0.510	0.504	1.2	87	0.00
61 M	Tetrachloroethene	0.331	0.331	0.0	89	0.00
62 M	Toluene	1.603	1.613	-0.6	89	0.00
63 S	Toluene-d8	1.422	1.419	0.2	87	0.00
64 M	Chlorobenzene	0.965	0.987	-2.3	92	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.352	0.3	91	0.00
66 M	Ethyl Benzene	1.786	1.811	-1.4	90	0.00
67 M	m/p-Xylenes	0.652	0.661	-1.4	90	0.00
68 M	o-Xylene	0.641	0.649	-1.2	91	0.00
69 M	Styrene	1.125	1.128	-0.3	90	0.00
70	Isopropylbenzene	1.724	1.762	-2.2	91	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.661	-4.8	95	0.00
72	1,2,3-Trichloropropane	0.544	0.574	-5.5	94	0.00
73	Bromobenzene	0.426	0.434	-1.9	91	0.00
74	n-propylbenzene	1.998	2.045	-2.4	92	0.00
75	2-Chlorotoluene	1.198	1.228	-2.5	92	0.00
76	1,3,5-Trimethylbenzene	1.461	1.496	-2.4	92	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.203	7.7	89	0.00
78	4-Chlorotoluene	1.361	1.381	-1.5	92	0.00
79	tert-butylbenzene	1.412	1.436	-1.7	91	0.00
80	1,2,4-Trimethylbenzene	1.464	1.492	-1.9	92	0.00
81	sec-Butylbenzene	1.678	1.731	-3.2	93	0.00
82	p-Isopropyltoluene	1.526	1.554	-1.8	92	0.00
83 M	1,3-Dichlorobenzene	0.761	0.780	-2.5	94	0.00
84 M	1,4-Dichlorobenzene	0.758	0.759	-0.1	93	0.00
85	n-Butylbenzene	1.396	1.400	-0.3	93	0.00
86 T	Hexachloroethane	0.260	0.254	2.3	88	0.00
87 M	1,2-Dichlorobenzene	0.766	0.793	-3.5	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.147	0.151	-2.7	94	0.00
89	1,2,4-Trichlorobenzene	0.546	0.560	-2.6	97	0.00
90	Hexachlorobutadiene	0.273	0.290	-6.2	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.787	1.826	-2.2	92	0.00
92	1,2,3-Trichlorobenzene	0.555	0.583	-5.0	96	0.00

(#) = Out of Range

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