

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX051019\
 Data File : VX009471.D
 Acq On : 10 May 2019 10:06
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 10 15:14:23 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	92	0.00
2 M	Dichlorodifluoromethane	1.594	1.544	3.1	90	0.00
3 M	Chloromethane	2.143	2.208	-3.0	96	0.00
4 M	Vinyl Chloride	2.138	2.231	-4.3	97	0.00
5 M	Bromomethane	1.355	1.294	4.5	99	0.00
6 M	Chloroethane	1.402	1.398	0.3	90	0.00
7 M	Trichlorofluoromethane	2.640	2.799	-6.0	100	0.00
8 T	Diethyl Ether	1.226	1.274	-3.9	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.634	1.751	-7.2	100	0.00
10 M	1,1-Dichloroethene	1.641	1.730	-5.4	98	0.00
11	Methyl Iodide	1.784	1.634	8.4	92	0.00
12	Methyl Acetate	3.091	2.787	9.8	86	0.00
13 M	Acrolein	0.424	0.445	-5.0	106	0.00
14 M	Acrylonitrile	1.341	1.325	1.2	93	0.00
15 M	Acetone	0.385	0.438	-13.8	104	0.00
16 M	Carbon Disulfide	4.440	4.991	-12.4	105	0.00
17	Allyl chloride	3.939	4.015	-1.9	96	0.00
18 M	Methylene Chloride	1.983	2.100	-5.9	100	0.00
19 M	trans-1,2-Dichloroethene	1.750	1.879	-7.4	101	0.00
20 T	Diisopropyl ether	7.758	7.938	-2.3	96	0.00
21 M	1,1-Dichloroethane	3.754	3.874	-3.2	98	0.00
22 M	cis-1,2-Dichloroethene	2.107	2.229	-5.8	99	0.00
23 M	tert-Butyl Alcohol	0.567	0.530	6.5	91	0.00
24 M	Methyl tert-Butyl Ether	6.422	6.571	-2.3	98	0.00
25 M	Chloroform	3.426	3.566	-4.1	97	0.00
26	Cyclohexane	3.499	3.770	-7.7	100	0.00
27 s	1,2-Dichloroethane-d4	2.489	2.379	4.4	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29	1,1-Dichloropropene	0.440	0.493	-12.0	100	0.00
30 M	2-Butanone	0.345	0.370	-7.2	96	0.00
31	2,2-Dichloropropane	0.485	0.526	-8.5	98	0.00
32 M	1,1,1-Trichloroethane	0.477	0.527	-10.5	102	0.00
33 M	Carbon Tetrachloride	0.399	0.437	-9.5	99	0.00
34 M	Benzene	1.357	1.509	-11.2	99	0.00
35	Methacrylonitrile	0.361	0.371	-2.8	92	0.00
36 M	1,2-Dichloroethane	0.492	0.542	-10.2	98	0.00
37 M	Trichloroethene	0.327	0.369	-12.8	103	0.00
38	Methylcyclohexane	0.544	0.627	-15.3	104	0.00
39 M	1,2-Dichloropropane	0.386	0.417	-8.0	97	0.00
40	Dibromomethane	0.219	0.240	-9.6	98	0.00
41 M	Bromodichloromethane	0.448	0.481	-7.4	98	0.00
42 M	Vinyl Acetate	1.138	1.250	-9.8	98	0.00
43	Ethyl Acetate	0.623	0.652	-4.7	91	0.00
44	Isopropyl Acetate	1.009	1.043	-3.4	95	0.00
45 T	1,4-Dioxane	0.010	0.010#	0.0	93	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.504	0.526	-4.4	95	0.00
47	n-amyl Acetate	0.909	0.924	-1.7	94	0.00
48 M	t-1,3-Dichloropropene	0.523	0.541	-3.4	97	0.00
49 T	cis-1,3-Dichloropropene	0.574	0.619	-7.8	99	0.00
50 M	1,1,2-Trichloroethane	0.336	0.362	-7.7	96	0.00
51	Ethyl methacrylate	0.621	0.651	-4.8	96	0.00
52	1,3-Dichloropropane	0.596	0.652	-9.4	98	0.00
53 M	Dibromochloromethane	0.335	0.355	-6.0	98	0.00
54 M	1,2-Dibromoethane	0.345	0.377	-9.3	99	0.00
55 M	2-Chloroethyl vinyl ether	0.331	0.363	-9.7	95	0.00
56 M	Bromoform	0.257	0.263	-2.3	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.738	0.768	-4.1	94	0.00
59 M	2-Hexanone	0.579	0.598	-3.3	93	0.00
60 S	4-Bromofluorobenzene	0.510	0.501	1.8	88	0.00
61 M	Tetrachloroethene	0.331	0.383	-15.7	105	0.00
62 M	Toluene	1.603	1.790	-11.7	100	0.00
63 S	Toluene-d8	1.422	1.408	1.0	87	0.00
64 M	Chlorobenzene	0.965	1.069	-10.8	101	0.00
65	1,1,1,2-Tetrachloroethane	0.353	0.382	-8.2	100	0.00
66 M	Ethyl Benzene	1.786	1.977	-10.7	100	0.00
67 M	m/p-Xylenes	0.652	0.724	-11.0	101	0.00
68 M	o-Xylene	0.641	0.703	-9.7	101	0.00
69 M	Styrene	1.125	1.229	-9.2	100	0.00
70	Isopropylbenzene	1.724	1.906	-10.6	100	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.661	-4.8	97	0.00
72	1,2,3-Trichloropropane	0.544	0.593	-9.0	98	0.00
73	Bromobenzene	0.426	0.462	-8.5	99	0.00
74	n-propylbenzene	1.998	2.229	-11.6	102	0.00
75	2-Chlorotoluene	1.198	1.322	-10.4	100	0.00
76	1,3,5-Trimethylbenzene	1.461	1.620	-10.9	101	0.00
77	t-1,4-Dichloro-2-butene	0.220	0.215	2.3	96	0.00
78	4-Chlorotoluene	1.361	1.510	-10.9	102	0.00
79	tert-butylbenzene	1.412	1.544	-9.3	100	0.00
80	1,2,4-Trimethylbenzene	1.464	1.616	-10.4	101	0.00
81	sec-Butylbenzene	1.678	1.872	-11.6	102	0.00
82	p-Isopropyltoluene	1.526	1.700	-11.4	102	0.00
83 M	1,3-Dichlorobenzene	0.761	0.835	-9.7	103	0.00
84 M	1,4-Dichlorobenzene	0.758	0.834	-10.0	104	0.00
85	n-Butylbenzene	1.396	1.535	-10.0	104	0.00
86 T	Hexachloroethane	0.260	0.267	-2.7	95	0.00
87 M	1,2-Dichlorobenzene	0.766	0.827	-8.0	100	0.00
88	1,2-Dibromo-3-Chloropropane	0.147	0.149	-1.4	95	0.00
89	1,2,4-Trichlorobenzene	0.546	0.608	-11.4	107	0.00
90	Hexachlorobutadiene	0.273	0.316	-15.8	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.787	1.928	-7.9	99	0.00
92	1,2,3-Trichlorobenzene	0.555	0.625	-12.6	105	0.00

(#) = Out of Range

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