

Data Path : W:\HPCHEM1\MSVOA X\Data\VX043018\
 Data File : VX001260.D
 Acq On : 30 Apr 2018 17:30
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX043018

Quant Time: May 01 09:20:33 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 2018
 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	104	0.00
2 M	Dichlorodifluoromethane	1.967	2.047	-4.1	99	0.00
3 M	Chloromethane	1.836	1.879	-2.3	99	0.00
4 M	Vinyl Chloride	1.926	1.920	0.3	97	0.00
5 M	Bromomethane	1.454	1.341	7.8	94	0.01
6 M	Chloroethane	1.178	1.165	1.1	99	0.00
7 M	Trichlorofluoromethane	3.199	3.097	3.2	97	0.00
8 T	Diethyl Ether	1.111	1.069	3.8	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.814	1.820	-0.3	103	0.00
10 M	1,1-Dichloroethene	1.643	1.575	4.1	99	0.00
11	Methyl Iodide	1.999	1.884	5.8	107	0.00
12	Methyl Acetate	2.160	2.095	3.0	98	0.00
13 M	Acrolein	0.258	0.256	0.8	101	0.00
14 M	Acrylonitrile	0.860	0.818	4.9	97	0.00
15 M	Acetone	0.268	0.252	6.0	95	0.00
16 M	Carbon Disulfide	4.371	4.149	5.1	100	0.00
17	Allyl chloride	2.916	2.751	5.7	96	0.00
18 M	Methylene Chloride	1.791	1.704	4.9	96	0.00
19 M	trans-1,2-Dichloroethene	1.772	1.684	5.0	97	0.00
20 T	Diisopropyl ether	5.739	5.359	6.6	97	0.00
21 M	1,1-Dichloroethane	3.084	3.051	1.1	97	0.00
22 M	cis-1,2-Dichloroethene	1.978	1.895	4.2	97	0.00
23 M	tert-Butyl Alcohol	0.351	0.338	3.7	99	-0.02
24 M	Methyl tert-Butyl Ether	5.635	5.317	5.6	96	0.00
25 M	Chloroform	3.358	3.146	6.3	96	0.00
26	Cyclohexane	2.804	2.739	2.3	100	0.00
27 s	1,2-Dichloroethane-d4	2.164	2.195	-1.4	105	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.444	0.410	7.7	99	0.00
30 M	2-Butanone	0.228	0.213	6.6	97	-0.01
31	2,2-Dichloropropane	0.485	0.439	9.5	95	0.00
32 M	1,1,1-Trichloroethane	0.538	0.486	9.7	95	0.00
33 M	Carbon Tetrachloride	0.485	0.431	11.1	97	0.00
34 M	Benzene	1.317	1.208	8.3	96	0.00
35	Methacrylonitrile	0.253	0.230	9.1	97	0.00
36 M	1,2-Dichloroethane	0.505	0.464	8.1	97	0.00
37 M	Trichloroethene	0.399	0.375	6.0	99	0.00
38	Methylcyclohexane	0.523	0.518	1.0	106	0.00
39 M	1,2-Dichloropropane	0.334	0.310	7.2	99	0.00
40	Dibromomethane	0.235	0.216	8.1	97	0.00
41 M	Bromodichloromethane	0.444	0.385	13.3	93	0.00
42 M	Vinyl Acetate	0.896	0.819	8.6	96	0.00
43	Ethyl Acetate	0.439	0.409	6.8	101	0.00
44	Isopropyl Acetate	0.746	0.672	9.9	98	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	110	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.388	0.346	10.8	97	0.00
47	n-amyl Acetate	0.716	0.615	14.1	96	0.00
48 M	t-1,3-Dichloropropene	0.523	0.467	10.7	98	0.00
49 T	cis-1,3-Dichloropropene	0.501	0.422	15.8	93	0.00
50 M	1,1,2-Trichloroethane	0.349	0.312	10.6	93	0.00
51	Ethyl methacrylate	0.497	0.444	10.7	98	0.00
52	1,3-Dichloropropane	0.564	0.523	7.3	97	0.00
53 M	Dibromochloromethane	0.385	0.330	14.3	95	0.00
54 M	1,2-Dibromoethane	0.373	0.335	10.2	97	0.00
55 M	2-Chloroethyl vinyl ether	0.244	0.213	12.7	92	0.00
56 M	Bromoform	0.315	0.260	17.5	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	0.498	0.455	8.6	96	0.00
59 M	2-Hexanone	0.388	0.354	8.8	97	0.00
60 S	4-Bromofluorobenzene	0.503	0.494	1.8	107	0.00
61 M	Tetrachloroethene	0.460	0.458	0.4	99	0.00
62 M	Toluene	1.612	1.485	7.9	97	0.00
63 S	Toluene-d8	1.287	1.293	-0.5	107	0.00
64 M	Chlorobenzene	1.088	1.000	8.1	98	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.353	11.1	93	0.00
66 M	Ethyl Benzene	1.800	1.663	7.6	98	0.00
67 M	m/p-Xylenes	0.715	0.663	7.3	100	0.00
68 M	o-Xylene	0.691	0.633	8.4	98	0.00
69 M	Styrene	1.150	1.042	9.4	98	0.00
70	Isopropylbenzene	1.876	1.736	7.5	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.550	0.493	10.4	97	0.00
72	1,2,3-Trichloropropane	0.493	0.462	6.3	96	0.00
73	Bromobenzene	0.545	0.494	9.4	98	0.00
74	n-propylbenzene	2.119	2.000	5.6	102	0.00
75	2-Chlorotoluene	1.279	1.177	8.0	100	0.00
76	1,3,5-Trimethylbenzene	1.599	1.484	7.2	101	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.114	22.4	98	0.00
78	4-Chlorotoluene	1.526	1.388	9.0	99	0.00
79	tert-butylbenzene	1.711	1.643	4.0	104	0.00
80	1,2,4-Trimethylbenzene	1.627	1.521	6.5	99	0.00
81	sec-Butylbenzene	1.856	1.774	4.4	103	0.00
82	p-Isopropyltoluene	1.711	1.643	4.0	104	0.00
83 M	1,3-Dichlorobenzene	0.994	0.906	8.9	99	0.00
84 M	1,4-Dichlorobenzene	1.014	0.917	9.6	98	0.00
85	n-Butylbenzene	1.479	1.414	4.4	108	0.00
86 T	Hexachloroethane	0.261	0.233	10.7	102	0.00
87 M	1,2-Dichlorobenzene	0.989	0.888	10.2	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.115	0.098	14.8	94	0.00
89	1,2,4-Trichlorobenzene	0.749	0.713	4.8	104	0.00
90	Hexachlorobutadiene	0.348	0.371	-6.6	121	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.943	1.821	6.3	101	0.00
92	1,2,3-Trichlorobenzene	0.739	0.706	4.5	105	0.00

(#) = Out of Range

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