

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060818\
 Data File : VX002392.D
 Acq On : 08 Jun 2018 09:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 08 13:10:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	73	0.00
2 M	Dichlorodifluoromethane	1.593	1.945	-22.1	94	0.00
3 M	Chloromethane	1.895	2.164	-14.2	88	0.00
4 M	Vinyl Chloride	1.885	2.401	-27.4	97	0.00
5 M	Bromomethane	1.056	1.327	-25.7	91	0.00
6 M	Chloroethane	1.115	1.569	-40.7#	106	0.00
7 M	Trichlorofluoromethane	2.875	4.101	-42.6#	107	0.00
8 T	Diethyl Ether	1.082	1.431	-32.3#	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.548	2.416	-56.1#	118	0.00
10 M	1,1-Dichloroethene	1.493	2.051	-37.4#	104	0.00
11	Methyl Iodide	2.345	1.835	21.7	63	0.00
12	Methyl Acetate	2.419	2.802	-15.8	89	0.00
13 M	Acrolein	0.206	0.186	9.7	71	0.00
14 M	Acrylonitrile	0.995	1.164	-17.0	89	0.00
15 M	Acetone	0.265	0.407	-53.6#	116	0.00
16 M	Carbon Disulfide	4.262	4.766	-11.8	86	0.00
17	Allyl chloride	3.081	4.024	-30.6#	98	0.00
18 M	Methylene Chloride	1.678	2.313	-37.8#	104	0.00
19 M	trans-1,2-Dichloroethene	1.578	2.125	-34.7#	102	0.00
20 T	Diisopropyl ether	5.882	7.890	-34.1#	102	-0.01
21 M	1,1-Dichloroethane	3.131	4.232	-35.2#	102	0.00
22 M	cis-1,2-Dichloroethene	1.881	2.183	-16.1	90	0.00
23 M	tert-Butyl Alcohol	0.516	0.531	-2.9	77	-0.02
24 M	Methyl tert-Butyl Ether	5.826	7.525	-29.2	97	-0.01
25 M	Chloroform	3.292	3.816	-15.9	89	0.00
26	Cyclohexane	2.882	3.365	-16.8	89	0.00
27 s	1,2-Dichloroethane-d4	2.361	2.457	-4.1	78	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29	1,1-Dichloropropene	0.420	0.470	-11.9	92	0.00
30 M	2-Butanone	0.293	0.274	6.5	76	-0.02
31	2,2-Dichloropropane	0.369	0.511	-38.5#	110	0.00
32 M	1,1,1-Trichloroethane	0.548	0.556	-1.5	83	-0.01
33 M	Carbon Tetrachloride	0.498	0.488	2.0	79	0.00
34 M	Benzene	1.267	1.377	-8.7	88	0.00
35	Methacrylonitrile	0.324	0.289	10.8	74	-0.01
36 M	1,2-Dichloroethane	0.494	0.549	-11.1	90	0.00
37 M	Trichloroethene	0.360	0.392	-8.9	88	0.00
38	Methylcyclohexane	0.490	0.590	-20.4	99	0.00
39 M	1,2-Dichloropropane	0.343	0.360	-5.0	85	0.00
40	Dibromomethane	0.230	0.246	-7.0	87	0.00
41 M	Bromodichloromethane	0.477	0.450	5.7	77	0.00
42 M	Vinyl Acetate	0.926	1.133	-22.4	97	0.00
43	Ethyl Acetate	0.575	0.492	14.4	69	-0.01
44	Isopropyl Acetate	0.956	0.853	10.8	73	-0.02
45 T	1,4-Dioxane	0.009	0.008#	11.1	73	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.484	0.428	11.6	72	0.00
47	n-amyl Acetate	0.879	0.789	10.2	75	0.00
48 M	t-1,3-Dichloropropene	0.536	0.538	-0.4	82	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.494	4.8	79	0.00
50 M	1,1,2-Trichloroethane	0.330	0.365	-10.6	92	0.00
51	Ethyl methacrylate	0.572	0.552	3.5	80	0.00
52	1,3-Dichloropropane	0.557	0.600	-7.7	88	0.00
53 M	Dibromochloromethane	0.403	0.356	11.7	74	0.00
54 M	1,2-Dibromoethane	0.357	0.373	-4.5	86	0.00
55 M	2-Chloroethyl vinyl ether	0.268	0.230	14.2	67	0.00
56 M	Bromoform	0.355	0.265	25.4	64	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.653	0.561	14.1	73	0.00
59 M	2-Hexanone	0.507	0.449	11.4	76	0.00
60 S	4-Bromofluorobenzene	0.514	0.507	1.4	86	0.00
61 M	Tetrachloroethene	0.458	0.468	-2.2	87	0.00
62 M	Toluene	1.532	1.646	-7.4	94	0.00
63 S	Toluene-d8	1.337	1.252	6.4	80	0.00
64 M	Chlorobenzene	0.992	1.076	-8.5	95	0.00
65	1,1,1,2-Tetrachloroethane	0.404	0.386	4.5	83	0.00
66 M	Ethyl Benzene	1.722	1.860	-8.0	95	0.00
67 M	m/p-Xylenes	0.654	0.724	-10.7	98	0.00
68 M	o-Xylene	0.655	0.709	-8.2	95	0.00
69 M	Styrene	1.099	1.172	-6.6	96	0.00
70	Isopropylbenzene	1.753	1.953	-11.4	98	0.00
71 M	1,1,2,2-Tetrachloroethane	0.549	0.538	2.0	88	0.00
72	1,2,3-Trichloropropane	0.517	0.477	7.7	73	0.00
73	Bromobenzene	0.471	0.503	-6.8	96	0.00
74	n-propylbenzene	1.956	2.260	-15.5	102	0.00
75	2-Chlorotoluene	1.207	1.314	-8.9	97	0.00
76	1,3,5-Trimethylbenzene	1.490	1.660	-11.4	99	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.143	23.5	68	0.00
78	4-Chlorotoluene	1.372	1.528	-11.4	101	0.00
79	tert-butylbenzene	1.563	1.836	-17.5	106	0.00
80	1,2,4-Trimethylbenzene	1.506	1.694	-12.5	100	0.00
81	sec-Butylbenzene	1.747	2.033	-16.4	103	0.00
82	p-Isopropyltoluene	1.563	1.836	-17.5	106	0.00
83 M	1,3-Dichlorobenzene	0.834	0.947	-13.5	104	0.00
84 M	1,4-Dichlorobenzene	0.830	0.949	-14.3	106	0.00
85	n-Butylbenzene	1.310	1.578	-20.5	111	0.00
86 T	Hexachloroethane	0.311	0.254	18.3	74	0.00
87 M	1,2-Dichlorobenzene	0.859	0.961	-11.9	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.160	0.113	29.4	64	0.00
89	1,2,4-Trichlorobenzene	0.610	0.701	-14.9	109	0.00
90	Hexachlorobutadiene	0.325	0.391	-20.3	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.925	1.895	1.6	89	0.00
92	1,2,3-Trichlorobenzene	0.637	0.715	-12.2	103	0.00

(#) = Out of Range

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