

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062218\
 Data File : VX002829.D
 Acq On : 22 Jun 2018 11:51
 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 22 13:45:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 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	115	0.00
2 M	Dichlorodifluoromethane	1.432	1.710	-19.4	138	0.00
3 M	Chloromethane	1.554	1.737	-11.8	125	0.00
4 M	Vinyl Chloride	1.732	1.904	-9.9	124	0.00
5 M	Bromomethane	1.012	0.829	18.1	94	0.00
6 M	Chloroethane	1.165	1.213	-4.1	116	0.02
7 M	Trichlorofluoromethane	3.079	3.301	-7.2	119	0.01
8 T	Diethyl Ether	1.098	1.167	-6.3	119	0.00
9	1,1,2-Trichlorotrifluoroeth	1.762	1.895	-7.5	123	0.00
10 M	1,1-Dichloroethene	1.551	1.625	-4.8	118	0.00
11	Methyl Iodide	1.786	1.775	0.6	136	0.00
12	Methyl Acetate	2.517	2.708	-7.6	115	0.00
13 M	Acrolein	0.179	0.127	29.1	94	0.00
14 M	Acrylonitrile	0.947	0.957	-1.1	112	-0.01
15 M	Acetone	0.263	0.276	-4.9	111	-0.01
16 M	Carbon Disulfide	3.883	4.153	-7.0	127	0.01
17	Allyl chloride	3.086	3.198	-3.6	116	0.00
18 M	Methylene Chloride	1.775	1.856	-4.6	118	0.00
19 M	trans-1,2-Dichloroethene	1.663	1.778	-6.9	121	0.00
20 T	Diisopropyl ether	5.751	6.248	-8.6	126	-0.01
21 M	1,1-Dichloroethane	3.092	3.379	-9.3	115	0.00
22 M	cis-1,2-Dichloroethene	1.788	1.990	-11.3	125	0.00
23 M	tert-Butyl Alcohol	0.430	0.440	-2.3	110	-0.04
24 M	Methyl tert-Butyl Ether	5.791	5.851	-1.0	114	-0.01
25 M	Chloroform	3.103	3.457	-11.4	124	0.00
26	Cyclohexane	2.627	2.830	-7.7	122	0.00
27 s	1,2-Dichloroethane-d4	2.291	2.296	-0.2	115	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
29	1,1-Dichloropropene	0.405	0.449	-10.9	125	0.00
30 M	2-Butanone	0.232	0.253	-9.1	121	-0.02
31	2,2-Dichloropropane	0.433	0.490	-13.2	126	0.00
32 M	1,1,1-Trichloroethane	0.489	0.539	-10.2	124	0.00
33 M	Carbon Tetrachloride	0.440	0.483	-9.8	127	0.00
34 M	Benzene	1.200	1.327	-10.6	124	0.00
35	Methacrylonitrile	0.252	0.272	-7.9	118	0.00
36 M	1,2-Dichloroethane	0.471	0.531	-12.7	125	0.00
37 M	Trichloroethene	0.351	0.393	-12.0	127	0.00
38	Methylcyclohexane	0.493	0.536	-8.7	126	0.00
39 M	1,2-Dichloropropane	0.313	0.338	-8.0	119	0.00
40	Dibromomethane	0.217	0.241	-11.1	124	0.00
41 M	Bromodichloromethane	0.408	0.445	-9.1	126	0.00
42 M	Vinyl Acetate	0.879	0.960	-9.2	125	0.00
43	Ethyl Acetate	0.443	0.484	-9.3	120	-0.01
44	Isopropyl Acetate	0.743	0.792	-6.6	121	-0.01
45 T	1,4-Dioxane	0.007	0.008#	-14.3	117	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.380	0.416	-9.5	122	0.00
47	n-amyl Acetate	0.701	0.723	-3.1	122	0.00
48 M	t-1,3-Dichloropropene	0.480	0.516	-7.5	124	0.00
49 T	cis-1,3-Dichloropropene	0.448	0.475	-6.0	128	0.00
50 M	1,1,2-Trichloroethane	0.321	0.355	-10.6	125	0.00
51	Ethyl methacrylate	0.484	0.509	-5.2	121	0.00
52	1,3-Dichloropropane	0.524	0.580	-10.7	124	0.00
53 M	Dibromochloromethane	0.340	0.365	-7.4	130	0.00
54 M	1,2-Dibromoethane	0.338	0.367	-8.6	124	0.00
55 M	2-Chloroethyl vinyl ether	0.230	0.223	3.0	111	0.00
56 M	Bromoform	0.272	0.268	1.5	125	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
58 M	4-Methyl-2-Pentanone	0.509	0.544	-6.9	119	0.00
59 M	2-Hexanone	0.389	0.420	-8.0	119	0.00
60 S	4-Bromofluorobenzene	0.495	0.493	0.4	117	0.00
61 M	Tetrachloroethene	0.412	0.512	-24.3	140	0.00
62 M	Toluene	1.446	1.602	-10.8	123	0.00
63 S	Toluene-d8	1.310	1.324	-1.1	114	0.00
64 M	Chlorobenzene	0.961	1.057	-10.0	124	0.00
65	1,1,1,2-Tetrachloroethane	0.352	0.391	-11.1	126	0.00
66 M	Ethyl Benzene	1.629	1.790	-9.9	123	0.00
67 M	m/p-Xylenes	0.633	0.689	-8.8	123	0.00
68 M	o-Xylene	0.617	0.673	-9.1	124	0.00
69 M	Styrene	1.029	1.112	-8.1	126	0.00
70	Isopropylbenzene	1.700	1.848	-8.7	124	0.00
71 M	1,1,2,2-Tetrachloroethane	0.508	0.536	-5.5	118	0.00
72	1,2,3-Trichloropropane	0.441	0.483	-9.5	121	0.00
73	Bromobenzene	0.473	0.512	-8.2	124	0.00
74	n-propylbenzene	1.974	2.157	-9.3	125	0.00
75	2-Chlorotoluene	1.149	1.270	-10.5	126	0.00
76	1,3,5-Trimethylbenzene	1.444	1.566	-8.4	125	0.00
77	t-1,4-Dichloro-2-butene	0.142	0.135	4.9	116	0.00
78	4-Chlorotoluene	1.361	1.497	-10.0	129	0.00
79	tert-butylbenzene	1.592	1.695	-6.5	123	0.00
80	1,2,4-Trimethylbenzene	1.474	1.608	-9.1	125	0.00
81	sec-Butylbenzene	1.766	1.904	-7.8	123	0.00
82	p-Isopropyltoluene	1.592	1.695	-6.5	123	0.00
83 M	1,3-Dichlorobenzene	0.870	0.934	-7.4	124	0.00
84 M	1,4-Dichlorobenzene	0.879	0.950	-8.1	127	0.00
85	n-Butylbenzene	1.411	1.480	-4.9	125	0.00
86 T	Hexachloroethane	0.241	0.232	3.7	119	0.00
87 M	1,2-Dichlorobenzene	0.879	0.947	-7.7	124	0.00
88	1,2-Dibromo-3-Chloropropane	0.114	0.114	0.0	122	0.00
89	1,2,4-Trichlorobenzene	0.663	0.701	-5.7	123	0.00
90	Hexachlorobutadiene	0.345	0.372	-7.8	127	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.758	1.860	-5.8	122	0.00
92	1,2,3-Trichlorobenzene	0.660	0.704	-6.7	125	0.00

(#) = Out of Range

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