

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX022219\
 Data File : VX007646.D
 Acq On : 22 Feb 2019 08:31
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 22 13:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 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	108	0.00
2 M	Dichlorodifluoromethane	1.519	1.738	-14.4	125	0.00
3 M	Chloromethane	1.670	1.847	-10.6	119	0.00
4 M	Vinyl Chloride	1.878	1.959	-4.3	116	0.00
5 M	Bromomethane	1.677	1.671	0.4	124	0.00
6 M	Chloroethane	1.277	1.210	5.2	110	0.00
7 M	Trichlorofluoromethane	2.944	3.053	-3.7	115	0.00
8 T	Diethyl Ether	1.176	1.091	7.2	103	0.00
9	1,1,2-Trichlorotrifluoroeth	1.661	1.797	-8.2	121	0.00
10 M	1,1-Dichloroethene	1.648	1.635	0.8	109	0.00
11	Methyl Iodide	2.369	2.530	-6.8	124	0.00
12	Methyl Acetate	2.273	2.000	12.0	102	0.00
13 M	Acrolein	0.396	0.244	38.4#	72	0.00
14 M	Acrylonitrile	1.047	0.961	8.2	101	0.00
15 M	Acetone	0.284	0.345	-21.5	133	0.00
16 M	Carbon Disulfide	4.371	4.304	1.5	112	0.00
17	Allyl chloride	2.824	2.637	6.6	107	0.00
18 M	Methylene Chloride	1.853	1.817	1.9	109	0.00
19 M	trans-1,2-Dichloroethene	1.763	1.733	1.7	111	0.00
20 T	Diisopropyl ether	5.337	5.387	-0.9	112	0.00
21 M	1,1-Dichloroethane	2.992	3.059	-2.2	113	0.00
22 M	cis-1,2-Dichloroethene	1.962	1.994	-1.6	111	-0.01
23 M	tert-Butyl Alcohol	0.440	0.409	7.0	104	-0.01
24 M	Methyl tert-Butyl Ether	5.720	5.285	7.6	103	0.00
25 M	Chloroform	3.160	3.293	-4.2	116	0.00
26	Cyclohexane	2.509	2.710	-8.0	119	0.00
27 s	1,2-Dichloroethane-d4	1.941	1.968	-1.4	110	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
29	1,1-Dichloropropene	0.418	0.444	-6.2	117	0.00
30 M	2-Butanone	0.248	0.272	-9.7	119	0.00
31	2,2-Dichloropropane	0.340	0.449	-32.1#	147	0.00
32 M	1,1,1-Trichloroethane	0.500	0.523	-4.6	116	0.00
33 M	Carbon Tetrachloride	0.442	0.472	-6.8	122	0.00
34 M	Benzene	1.319	1.354	-2.7	113	0.00
35	Methacrylonitrile	0.257	0.252	1.9	110	0.00
36 M	1,2-Dichloroethane	0.449	0.461	-2.7	114	0.00
37 M	Trichloroethene	0.379	0.396	-4.5	115	0.00
38	Methylcyclohexane	0.484	0.555	-14.7	128	0.00
39 M	1,2-Dichloropropane	0.328	0.331	-0.9	112	0.00
40	Dibromomethane	0.237	0.248	-4.6	113	0.00
41 M	Bromodichloromethane	0.421	0.438	-4.0	119	0.00
42 M	Vinyl Acetate	0.867	0.913	-5.3	114	0.00
43	Ethyl Acetate	0.474	0.475	-0.2	109	-0.01
44	Isopropyl Acetate	0.732	0.717	2.0	111	0.00
45 T	1,4-Dioxane	0.009	0.009#	0.0	112	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.371	0.380	-2.4	115	0.00
47	n-amyl Acetate	0.645	0.676	-4.8	119	0.00
48 M	t-1,3-Dichloropropene	0.434	0.471	-8.5	128	0.00
49 T	cis-1,3-Dichloropropene	0.483	0.527	-9.1	124	0.00
50 M	1,1,2-Trichloroethane	0.346	0.361	-4.3	114	0.00
51	Ethyl methacrylate	0.501	0.507	-1.2	111	0.00
52	1,3-Dichloropropane	0.557	0.587	-5.4	115	0.00
53 M	Dibromochloromethane	0.359	0.377	-5.0	121	0.00
54 M	1,2-Dibromoethane	0.378	0.397	-5.0	115	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.282	-10.6	123	0.00
56 M	Bromoform	0.271	0.283	-4.4	123	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
58 M	4-Methyl-2-Pentanone	0.540	0.543	-0.6	111	0.00
59 M	2-Hexanone	0.410	0.441	-7.6	120	0.00
60 S	4-Bromofluorobenzene	0.460	0.483	-5.0	116	0.00
61 M	Tetrachloroethene	0.426	0.466	-9.4	123	0.00
62 M	Toluene	1.634	1.683	-3.0	117	0.00
63 S	Toluene-d8	1.356	1.354	0.1	110	0.00
64 M	Chlorobenzene	1.062	1.115	-5.0	118	0.00
65	1,1,1,2-Tetrachloroethane	0.385	0.398	-3.4	119	0.00
66 M	Ethyl Benzene	1.734	1.830	-5.5	121	0.00
67 M	m/p-Xylenes	0.680	0.725	-6.6	123	0.00
68 M	o-Xylene	0.663	0.699	-5.4	121	0.00
69 M	Styrene	1.070	1.144	-6.9	124	0.00
70	Isopropylbenzene	1.750	1.892	-8.1	124	0.00
71 M	1,1,2,2-Tetrachloroethane	0.578	0.590	-2.1	114	0.00
72	1,2,3-Trichloropropane	0.529	0.583	-10.2	123	0.00
73	Bromobenzene	0.478	0.511	-6.9	122	0.00
74	n-propylbenzene	1.943	2.157	-11.0	128	0.00
75	2-Chlorotoluene	1.162	1.256	-8.1	124	0.00
76	1,3,5-Trimethylbenzene	1.428	1.574	-10.2	127	0.00
77	t-1,4-Dichloro-2-butene	0.153	0.164	-7.2	134	0.00
78	4-Chlorotoluene	1.326	1.466	-10.6	130	0.00
79	tert-butylbenzene	1.517	1.697	-11.9	130	0.00
80	1,2,4-Trimethylbenzene	1.450	1.591	-9.7	126	0.00
81	sec-Butylbenzene	1.706	1.884	-10.4	127	0.00
82	p-Isopropyltoluene	1.517	1.697	-11.9	130	0.00
83 M	1,3-Dichlorobenzene	0.840	0.943	-12.3	129	0.00
84 M	1,4-Dichlorobenzene	0.838	0.935	-11.6	127	0.00
85	n-Butylbenzene	1.259	1.442	-14.5	137	0.00
86 T	Hexachloroethane	0.252	0.272	-7.9	129	0.00
87 M	1,2-Dichlorobenzene	0.843	0.919	-9.0	124	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.123	-1.7	122	0.00
89	1,2,4-Trichlorobenzene	0.554	0.615	-11.0	132	0.00
90	Hexachlorobutadiene	0.259	0.308	-18.9	140	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.766	1.830	-3.6	121	0.00
92	1,2,3-Trichlorobenzene	0.563	0.600	-6.6	126	0.00

(#) = Out of Range

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