

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX101619\
 Data File : VX013097.D
 Acq On : 16 Oct 2019 15:51
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 17 03:41:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 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	103	0.00
2 M	Dichlorodifluoromethane	2.023	1.713	15.3	89	0.00
3 M	Chloromethane	1.985	1.859	6.3	101	0.00
4 M	Vinyl Chloride	1.980	1.748	11.7	98	0.00
5 M	Bromomethane	0.925	0.974	-5.3	93	0.00
6 M	Chloroethane	1.218	1.127	7.5	94	0.00
7 M	Trichlorofluoromethane	2.910	2.484	14.6	92	0.00
8 T	Diethyl Ether	1.071	1.098	-2.5	108	0.00
9	1,1,2-Trichlorotrifluoroeth	1.834	1.568	14.5	94	0.00
10 M	1,1-Dichloroethene	1.804	1.570	13.0	95	0.00
11	Methyl Iodide	2.207	1.781	19.3	96	0.00
12	Methyl Acetate	2.523	2.508	0.6	109	0.00
13 M	Acrolein	0.363	0.321	11.6	98	0.00
14 M	Acrylonitrile	1.053	1.047	0.6	108	0.00
15 M	Acetone	0.373	0.362	2.9	90	0.00
16 M	Carbon Disulfide	4.880	4.093	16.1	94	0.00
17	Allyl chloride	3.062	2.912	4.9	104	0.00
18 M	Methylene Chloride	2.053	2.004	2.4	105	0.00
19 M	trans-1,2-Dichloroethene	1.932	1.850	4.2	103	0.00
20 T	Diisopropyl ether	5.875	5.964	-1.5	107	0.00
21 M	1,1-Dichloroethane	3.388	3.309	2.3	104	0.00
22 M	cis-1,2-Dichloroethene	2.220	2.179	1.8	108	0.00
23 M	tert-Butyl Alcohol	0.532	0.497	6.6	103	0.00
24 M	Methyl tert-Butyl Ether	6.150	6.250	-1.6	109	0.00
25 M	Chloroform	3.503	3.396	3.1	103	0.00
26	Cyclohexane	3.079	2.627	14.7	92	0.00
27 s	1,2-Dichloroethane-d4	2.300	2.256	1.9	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.458	0.436	4.8	98	0.00
30 M	2-Butanone	0.270	0.288	-6.7	104	0.00
31	2,2-Dichloropropane	0.518	0.504	2.7	97	-0.01
32 M	1,1,1-Trichloroethane	0.535	0.520	2.8	100	0.00
33 M	Carbon Tetrachloride	0.459	0.430	6.3	96	0.00
34 M	Benzene	1.359	1.410	-3.8	103	0.00
35	Methacrylonitrile	0.264	0.290	-9.8	111	0.00
36 M	1,2-Dichloroethane	0.491	0.535	-9.0	109	0.00
37 M	Trichloroethene	0.363	0.365	-0.6	103	0.00
38	Methylcyclohexane	0.560	0.511	8.8	95	0.00
39 M	1,2-Dichloropropane	0.341	0.364	-6.7	106	0.00
40	Dibromomethane	0.232	0.253	-9.1	113	0.00
41 M	Bromodichloromethane	0.460	0.471	-2.4	105	0.00
42 M	Vinyl Acetate	0.883	0.964	-9.2	110	0.00
43	Ethyl Acetate	0.485	0.524	-8.0	114	0.00
44	Isopropyl Acetate	0.782	0.859	-9.8	109	0.00
45 T	1,4-Dioxane	0.010	0.010#	0.0	112	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.382	0.406	-6.3	110	0.00
47	n-amyl Acetate	0.666	0.686	-3.0	110	0.00
48 M	t-1,3-Dichloropropene	0.509	0.527	-3.5	110	0.00
49 T	cis-1,3-Dichloropropene	0.562	0.578	-2.8	106	0.00
50 M	1,1,2-Trichloroethane	0.350	0.368	-5.1	108	0.00
51	Ethyl methacrylate	0.550	0.582	-5.8	111	0.00
52	1,3-Dichloropropane	0.587	0.633	-7.8	108	0.00
53 M	Dibromochloromethane	0.359	0.367	-2.2	107	0.00
54 M	1,2-Dibromoethane	0.368	0.394	-7.1	107	0.00
55 M	2-Chloroethyl vinyl ether	0.242	0.250	-3.3	104	0.00
56 M	Bromoform	0.250	0.239	4.4	103	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	0.546	0.559	-2.4	107	0.00
59 M	2-Hexanone	0.426	0.434	-1.9	105	0.00
60 S	4-Bromofluorobenzene	0.525	0.525	0.0	105	0.00
61 M	Tetrachloroethene	0.382	0.371	2.9	96	0.00
62 M	Toluene	1.630	1.616	0.9	104	0.00
63 S	Toluene-d8	1.369	1.343	1.9	100	0.00
64 M	Chlorobenzene	1.036	1.030	0.6	105	0.00
65	1,1,1,2-Tetrachloroethane	0.381	0.374	1.8	104	0.00
66 M	Ethyl Benzene	1.861	1.810	2.7	104	0.00
67 M	m/p-Xylenes	0.700	0.690	1.4	104	0.00
68 M	o-Xylene	0.682	0.674	1.2	105	0.00
69 M	Styrene	1.174	1.154	1.7	106	0.00
70	Isopropylbenzene	1.821	1.734	4.8	102	0.00
71 M	1,1,2,2-Tetrachloroethane	0.593	0.594	-0.2	106	0.00
72	1,2,3-Trichloropropane	0.493	0.499	-1.2	112	0.00
73	Bromobenzene	0.434	0.434	0.0	109	0.00
74	n-propylbenzene	2.034	1.944	4.4	102	0.00
75	2-Chlorotoluene	1.246	1.197	3.9	105	0.00
76	1,3,5-Trimethylbenzene	1.549	1.479	4.5	104	0.00
77	t-1,4-Dichloro-2-butene	0.191	0.180	5.8	112	0.00
78	4-Chlorotoluene	1.441	1.363	5.4	104	0.00
79	tert-butylbenzene	1.458	1.315	9.8	98	0.00
80	1,2,4-Trimethylbenzene	1.545	1.473	4.7	102	0.00
81	sec-Butylbenzene	1.756	1.535	12.6	96	0.00
82	p-Isopropyltoluene	1.601	1.449	9.5	101	0.00
83 M	1,3-Dichlorobenzene	0.787	0.774	1.7	105	0.00
84 M	1,4-Dichlorobenzene	0.792	0.760	4.0	106	0.00
85	n-Butylbenzene	1.367	1.192	12.8	98	0.00
86 T	Hexachloroethane	0.277	0.236	14.8	96	0.00
87 M	1,2-Dichlorobenzene	0.776	0.751	3.2	105	0.00
88	1,2-Dibromo-3-Chloropropane	0.136	0.133	2.2	110	0.00
89	1,2,4-Trichlorobenzene	0.484	0.453	6.4	104	0.00
90	Hexachlorobutadiene	0.230	0.200	13.0	100	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.647	1.541	6.4	102	0.00
92	1,2,3-Trichlorobenzene	0.485	0.468	3.5	107	0.00

(#) = Out of Range

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