

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015273.D
 Acq On : 13 Mar 2020 20:59
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 16 09:40:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 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	101	0.00
2 M	Dichlorodifluoromethane	1.509	1.296	14.1	89	0.00
3 M	Chloromethane	2.178	1.855	14.8	85	0.00
4 M	Vinyl Chloride	2.217	1.850	16.6	84	0.00
5 M	Bromomethane	1.444	1.171	18.9	83	0.00
6 M	Chloroethane	1.392	1.135	18.5	81	0.00
7 M	Trichlorofluoromethane	2.826	2.343	17.1	82	0.00
8 T	Diethyl Ether	1.253	1.001	20.1	80	0.00
9	1,1,2-Trichlorotrifluoroeth	1.733	1.484	14.4	87	0.00
10 M	1,1-Dichloroethene	1.747	1.511	13.5	88	0.00
11	Methyl Iodide	1.797	1.335	25.7	92	0.00
12	Methyl Acetate	2.155	2.068	4.0	102	0.00
13 M	Acrolein	0.340	0.249	26.8	77	0.00
14 M	Acrylonitrile	1.000	0.943	5.7	102	0.00
15 M	Acetone	0.293	0.240	18.1	74	0.00
16 M	Carbon Disulfide	4.893	4.213	13.9	96	0.00
17	Allyl chloride	3.241	2.938	9.3	98	0.00
18 M	Methylene Chloride	1.975	1.787	9.5	97	0.00
19 M	trans-1,2-Dichloroethene	1.885	1.708	9.4	100	0.00
20 T	Diisopropyl ether	6.439	5.936	7.8	98	0.00
21 M	1,1-Dichloroethane	3.412	3.172	7.0	100	0.00
22 M	cis-1,2-Dichloroethene	2.130	1.936	9.1	96	0.00
23 M	tert-Butyl Alcohol	0.391	0.359	8.2	102	0.00
24 M	Methyl tert-Butyl Ether	5.645	5.059	10.4	97	0.00
25 M	Chloroform	3.246	3.029	6.7	95	0.00
26	Cyclohexane	3.171	2.828	10.8	94	0.00
27 s	1,2-Dichloroethane-d4	2.024	1.995	1.4	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.460	0.434	5.7	94	0.00
30 M	2-Butanone	0.247	0.230	6.9	92	0.00
31	2,2-Dichloropropane	0.473	0.383	19.0	84	0.00
32 M	1,1,1-Trichloroethane	0.501	0.464	7.4	91	0.00
33 M	Carbon Tetrachloride	0.429	0.399	7.0	93	0.00
34 M	Benzene	1.395	1.337	4.2	93	0.00
35	Methacrylonitrile	0.267	0.261	2.2	102	0.00
36 M	1,2-Dichloroethane	0.465	0.437	6.0	91	-0.18
37 M	Trichloroethene	0.386	0.378	2.1	100	0.00
38	Methylcyclohexane	0.559	0.499	10.7	94	0.00
39 M	1,2-Dichloropropane	0.360	0.358	0.6	102	0.00
40	Dibromomethane	0.229	0.224	2.2	99	0.00
41 M	Bromodichloromethane	0.453	0.427	5.7	100	0.00
42 M	Vinyl Acetate	0.972	0.903	7.1	97	0.00
43	Ethyl Acetate	0.468	0.470	-0.4	104	0.00
44	Isopropyl Acetate	0.791	0.750	5.2	94	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	113	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.390	0.372	4.6	99	0.00
47	n-amyl Acetate	0.710	0.633	10.8	91	0.00
48 M	t-1,3-Dichloropropene	0.493	0.461	6.5	100	0.00
49 T	cis-1,3-Dichloropropene	0.559	0.535	4.3	98	0.00
50 M	1,1,2-Trichloroethane	0.339	0.336	0.9	101	0.00
51	Ethyl methacrylate	0.528	0.506	4.2	99	0.00
52	1,3-Dichloropropane	0.573	0.590	-3.0	104	0.00
53 M	Dibromochloromethane	0.361	0.351	2.8	102	0.00
54 M	1,2-Dibromoethane	0.349	0.355	-1.7	103	0.00
55 M	2-Chloroethyl vinyl ether	0.265	0.261	1.5	102	0.00
56 M	Bromoform	0.283	0.265	6.4	95	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.511	0.502	1.8	103	0.00
59 M	2-Hexanone	0.386	0.369	4.4	100	0.00
60 S	4-Bromofluorobenzene	0.478	0.474	0.8	98	0.00
61 M	Tetrachloroethene	0.418	0.405	3.1	100	0.00
62 M	Toluene	1.588	1.515	4.6	101	0.00
63 S	Toluene-d8	1.285	1.318	-2.6	104	0.00
64 M	Chlorobenzene	1.014	0.946	6.7	94	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.352	5.9	95	0.00
66 M	Ethyl Benzene	1.768	1.650	6.7	95	0.00
67 M	m/p-Xylenes	0.679	0.635	6.5	95	0.00
68 M	o-Xylene	0.651	0.599	8.0	95	0.00
69 M	Styrene	1.133	1.044	7.9	94	0.00
70	Isopropylbenzene	1.732	1.609	7.1	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.562	0.531	5.5	97	0.00
72	1,2,3-Trichloropropane	0.460	0.434	5.7	94	0.00
73	Bromobenzene	0.472	0.440	6.8	96	0.00
74	n-propylbenzene	2.047	1.898	7.3	97	0.00
75	2-Chlorotoluene	1.195	1.101	7.9	95	0.00
76	1,3,5-Trimethylbenzene	1.479	1.341	9.3	94	0.00
77	t-1,4-Dichloro-2-butene	0.193	0.159	17.6	91	0.00
78	4-Chlorotoluene	1.376	1.282	6.8	95	0.00
79	tert-butylbenzene	1.386	1.289	7.0	102	0.00
80	1,2,4-Trimethylbenzene	1.462	1.374	6.0	101	0.00
81	sec-Butylbenzene	1.721	1.595	7.3	101	0.00
82	p-Isopropyltoluene	1.582	1.453	8.2	99	0.00
83 M	1,3-Dichlorobenzene	0.835	0.790	5.4	102	0.00
84 M	1,4-Dichlorobenzene	0.835	0.795	4.8	103	0.00
85	n-Butylbenzene	1.387	1.265	8.8	99	0.00
86 T	Hexachloroethane	0.277	0.253	8.7	103	0.00
87 M	1,2-Dichlorobenzene	0.814	0.782	3.9	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.116	0.105	9.5	101	0.00
89	1,2,4-Trichlorobenzene	0.602	0.552	8.3	101	0.00
90	Hexachlorobutadiene	0.310	0.271	12.6	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.667	1.554	6.8	102	0.00
92	1,2,3-Trichlorobenzene	0.605	0.566	6.4	103	0.00

(#) = Out of Range

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