

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031320\
 Data File : VX015280.D
 Acq On : 14 Mar 2020 00:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 16 09:51:21 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	105	0.00
2 M	Dichlorodifluoromethane	1.509	1.180	21.8	84	0.00
3 M	Chloromethane	2.178	1.741	20.1	83	0.00
4 M	Vinyl Chloride	2.217	1.754	20.9	83	0.00
5 M	Bromomethane	1.444	1.117	22.6	82	0.00
6 M	Chloroethane	1.392	1.122	19.4	83	0.00
7 M	Trichlorofluoromethane	2.826	2.208	21.9	81	0.00
8 T	Diethyl Ether	1.253	1.017	18.8	84	0.00
9	1,1,2-Trichlorotrifluoroeth	1.733	1.384	20.1	85	0.00
10 M	1,1-Dichloroethene	1.747	1.444	17.3	87	0.00
11	Methyl Iodide	1.797	1.295	27.9	93	0.00
12	Methyl Acetate	2.155	1.879	12.8	96	0.00
13 M	Acrolein	0.340	0.250	26.5	81	0.00
14 M	Acrylonitrile	1.000	0.871	12.9	98	0.00
15 M	Acetone	0.293	0.214	27.0	69	0.00
16 M	Carbon Disulfide	4.893	4.017	17.9	95	0.00
17	Allyl chloride	3.241	2.663	17.8	92	0.00
18 M	Methylene Chloride	1.975	1.733	12.3	98	0.00
19 M	trans-1,2-Dichloroethene	1.885	1.646	12.7	100	0.00
20 T	Diisopropyl ether	6.439	5.681	11.8	98	0.00
21 M	1,1-Dichloroethane	3.412	2.986	12.5	98	0.00
22 M	cis-1,2-Dichloroethene	2.130	1.890	11.3	97	0.00
23 M	tert-Butyl Alcohol	0.391	0.284	27.4	84	-0.01
24 M	Methyl tert-Butyl Ether	5.645	4.863	13.9	97	0.00
25 M	Chloroform	3.246	2.925	9.9	96	0.00
26	Cyclohexane	3.171	2.776	12.5	95	0.00
27 s	1,2-Dichloroethane-d4	2.024	2.000	1.2	99	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.460	0.389	15.4	92	0.00
30 M	2-Butanone	0.247	0.199	19.4	86	0.00
31	2,2-Dichloropropane	0.473	0.307	35.1#	73	0.00
32 M	1,1,1-Trichloroethane	0.501	0.425	15.2	91	0.00
33 M	Carbon Tetrachloride	0.429	0.368	14.2	94	0.00
34 M	Benzene	1.395	1.254	10.1	95	0.00
35	Methacrylonitrile	0.267	0.241	9.7	103	0.00
36 M	1,2-Dichloroethane	0.465	0.411	11.6	93	-0.18
37 M	Trichloroethene	0.386	0.358	7.3	103	0.00
38	Methylcyclohexane	0.559	0.492	12.0	101	0.00
39 M	1,2-Dichloropropane	0.360	0.348	3.3	108	0.00
40	Dibromomethane	0.229	0.221	3.5	107	0.00
41 M	Bromodichloromethane	0.453	0.429	5.3	109	0.00
42 M	Vinyl Acetate	0.972	0.802	17.5	94	0.00
43	Ethyl Acetate	0.468	0.420	10.3	101	0.00
44	Isopropyl Acetate	0.791	0.699	11.6	95	0.00
45 T	1,4-Dioxane	0.008	0.006#	25.0	94	-0.01

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Quant Time: Mar 16 09:51:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 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)
46	Methyl methacrylate	0.390	0.363	6.9	105	0.00
47	n-amyl Acetate	0.710	0.599	15.6	94	0.00
48 M	t-1,3-Dichloropropene	0.493	0.437	11.4	103	0.00
49 T	cis-1,3-Dichloropropene	0.559	0.508	9.1	101	0.00
50 M	1,1,2-Trichloroethane	0.339	0.329	2.9	108	0.00
51	Ethyl methacrylate	0.528	0.492	6.8	105	0.00
52	1,3-Dichloropropane	0.573	0.546	4.7	105	0.00
53 M	Dibromochloromethane	0.361	0.341	5.5	108	0.00
54 M	1,2-Dibromoethane	0.349	0.330	5.4	104	0.00
55 M	2-Chloroethyl vinyl ether	0.265	0.282	-6.4	119	0.00
56 M	Bromoform	0.283	0.248	12.4	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
58 M	4-Methyl-2-Pentanone	0.511	0.458	10.4	105	0.00
59 M	2-Hexanone	0.386	0.334	13.5	101	0.00
60 S	4-Bromofluorobenzene	0.478	0.450	5.9	104	0.00
61 M	Tetrachloroethene	0.418	0.370	11.5	102	0.00
62 M	Toluene	1.588	1.434	9.7	107	0.00
63 S	Toluene-d8	1.285	1.276	0.7	113	0.00
64 M	Chlorobenzene	1.014	0.932	8.1	104	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.334	10.7	101	0.00
66 M	Ethyl Benzene	1.768	1.591	10.0	102	0.00
67 M	m/p-Xylenes	0.679	0.605	10.9	102	0.00
68 M	o-Xylene	0.651	0.565	13.2	100	0.00
69 M	Styrene	1.133	0.981	13.4	99	0.00
70	Isopropylbenzene	1.732	1.517	12.4	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.562	0.491	12.6	100	0.00
72	1,2,3-Trichloropropane	0.460	0.400	13.0	97	0.00
73	Bromobenzene	0.472	0.410	13.1	100	0.00
74	n-propylbenzene	2.047	1.750	14.5	100	0.00
75	2-Chlorotoluene	1.195	1.043	12.7	101	0.00
76	1,3,5-Trimethylbenzene	1.479	1.269	14.2	99	0.00
77	t-1,4-Dichloro-2-butene	0.193	0.135	30.1#	86	0.00
78	4-Chlorotoluene	1.376	1.164	15.4	97	0.00
79	tert-butylbenzene	1.386	1.176	15.2	104	0.00
80	1,2,4-Trimethylbenzene	1.462	1.264	13.5	105	0.00
81	sec-Butylbenzene	1.721	1.465	14.9	104	0.00
82	p-Isopropyltoluene	1.582	1.313	17.0	100	0.00
83 M	1,3-Dichlorobenzene	0.835	0.725	13.2	104	0.00
84 M	1,4-Dichlorobenzene	0.835	0.726	13.1	106	0.00
85	n-Butylbenzene	1.387	1.124	19.0	99	0.00
86 T	Hexachloroethane	0.277	0.229	17.3	105	0.00
87 M	1,2-Dichlorobenzene	0.814	0.714	12.3	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.116	0.097	16.4	104	0.00
89	1,2,4-Trichlorobenzene	0.602	0.486	19.3	100	0.00
90	Hexachlorobutadiene	0.310	0.238	23.2	92	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.667	1.407	15.6	104	0.00
92	1,2,3-Trichlorobenzene	0.605	0.512	15.4	104	0.00

(#) = Out of Range

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