

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017621.D
 Acq On : 27 Jul 2020 16:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 28 01:29:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:38:31 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	89	0.00
2 M	Dichlorodifluoromethane	2.304	2.679	-16.3	99	0.00
3 M	Chloromethane	2.229	2.306	-3.5	89	0.00
4 M	Vinyl Chloride	2.218	2.284	-3.0	87	0.00
5 M	Bromomethane	1.370	1.466	-7.0	85	0.00
6 M	Chloroethane	1.250	1.232	1.4	84	0.00
7 M	Trichlorofluoromethane	3.435	3.333	3.0	83	0.00
8 T	Diethyl Ether	0.990	0.970	2.0	90	0.00
9	1,1,2-Trichlorotrifluoroeth	1.555	1.499	3.6	86	0.00
10 M	1,1-Dichloroethene	1.443	1.355	6.1	85	0.00
11	Methyl Iodide	1.817	1.590	12.5	85	0.00
12	Methyl Acetate	2.195	2.094	4.6	84	0.00
13 M	Acrolein	0.325	0.295	9.2	87	0.00
14 M	Acrylonitrile	0.918	0.907	1.2	89	0.00
15 M	Acetone	0.251	0.252	-0.4	90	0.00
16 M	Carbon Disulfide	3.826	3.718	2.8	85	0.00
17	Allyl chloride	2.744	2.495	9.1	82	0.00
18 M	Methylene Chloride	1.693	1.745	-3.1	90	0.00
19 M	trans-1,2-Dichloroethene	1.542	1.480	4.0	85	0.00
20 T	Diisopropyl ether	5.494	5.382	2.0	87	0.00
21 M	1,1-Dichloroethane	2.940	2.980	-1.4	92	0.00
22 M	cis-1,2-Dichloroethene	1.822	1.795	1.5	89	0.00
23 M	tert-Butyl Alcohol	0.430	0.395	8.1	81	0.00
24 M	Methyl tert-Butyl Ether	5.743	5.473	4.7	85	0.00
25 M	Chloroform	3.266	3.133	4.1	84	0.00
26	Cyclohexane	2.615	2.572	1.6	87	0.00
27 s	1,2-Dichloroethane-d4	2.305	2.357	-2.3	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.427	0.388	9.1	82	0.00
30 M	2-Butanone	0.241	0.249	-3.3	95	0.00
31	2,2-Dichloropropane	0.550	0.488	11.3	79	0.00
32 M	1,1,1-Trichloroethane	0.577	0.543	5.9	86	0.00
33 M	Carbon Tetrachloride	0.533	0.490	8.1	82	0.00
34 M	Benzene	1.206	1.130	6.3	89	0.00
35	Methacrylonitrile	0.269	0.253	5.9	85	0.00
36 M	1,2-Dichloroethane	0.512	0.485	5.3	89	0.00
37 M	Trichloroethene	0.370	0.351	5.1	81	0.00
38	Methylcyclohexane	0.540	0.422	21.9	78	0.00
39 M	1,2-Dichloropropane	0.337	0.326	3.3	91	0.00
40	Dibromomethane	0.239	0.228	4.6	88	0.00
41 M	Bromodichloromethane	0.529	0.485	8.3	86	0.00
42 M	Vinyl Acetate	0.798	0.754	5.5	89	0.00
43	Ethyl Acetate	0.445	0.406	8.8	87	0.00
44	Isopropyl Acetate	0.772	0.709	8.2	90	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	85	0.00

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.392	0.363	7.4	95	0.00
47	n-amyl Acetate	0.673	0.657	2.4	100	0.00
48 M	t-1,3-Dichloropropene	0.577	0.525	9.0	85	0.00
49 T	cis-1,3-Dichloropropene	0.617	0.545	11.7	81	0.00
50 M	1,1,2-Trichloroethane	0.342	0.339	0.9	92	0.00
51	Ethyl methacrylate	0.516	0.492	4.7	89	0.00
52	1,3-Dichloropropane	0.558	0.540	3.2	92	0.00
53 M	Dibromochloromethane	0.435	0.409	6.0	96	0.00
54 M	1,2-Dibromoethane	0.372	0.351	5.6	92	0.00
55 M	2-Chloroethyl vinyl ether	0.276	0.249	9.8	82	0.00
56 M	Bromoform	0.332	0.325	2.1	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	0.535	0.500	6.5	83	0.00
59 M	2-Hexanone	0.377	0.376	0.3	99	0.00
60 S	4-Bromofluorobenzene	0.508	0.507	0.2	97	0.00
61 M	Tetrachloroethene	0.409	0.384	6.1	88	0.00
62 M	Toluene	1.491	1.368	8.2	82	0.00
63 S	Toluene-d8	1.328	1.249	5.9	85	0.00
64 M	Chlorobenzene	0.974	0.941	3.4	99	0.00
65	1,1,1,2-Tetrachloroethane	0.408	0.381	6.6	93	0.00
66 M	Ethyl Benzene	1.646	1.559	5.3	94	0.00
67 M	m/p-Xylenes	0.617	0.593	3.9	95	0.00
68 M	o-Xylene	0.613	0.594	3.1	97	0.00
69 M	Styrene	1.068	1.034	3.2	97	0.00
70	Isopropylbenzene	1.789	1.568	12.4	82	0.00
71 M	1,1,2,2-Tetrachloroethane	0.499	0.497	0.4	95	0.00
72	1,2,3-Trichloropropane	0.500	0.495	1.0	92	0.00
73	Bromobenzene	0.473	0.454	4.0	89	0.00
74	n-propylbenzene	2.017	1.757	12.9	86	0.00
75	2-Chlorotoluene	1.213	1.106	8.8	91	0.00
76	1,3,5-Trimethylbenzene	1.481	1.307	11.7	89	0.00
77	t-1,4-Dichloro-2-butene	0.203	0.195	3.9	87	0.00
78	4-Chlorotoluene	1.414	1.301	8.0	91	0.00
79	tert-butylbenzene	1.452	1.220	16.0	86	0.00
80	1,2,4-Trimethylbenzene	1.529	1.379	9.8	94	0.00
81	sec-Butylbenzene	1.732	1.344	22.4	81	0.00
82	p-Isopropyltoluene	1.607	1.285	20.0	79	0.00
83 M	1,3-Dichlorobenzene	0.847	0.787	7.1	94	0.00
84 M	1,4-Dichlorobenzene	0.843	0.793	5.9	93	0.00
85	n-Butylbenzene	1.535	1.076	29.9	70	0.00
86 T	Hexachloroethane	0.335	0.242	27.8	74	0.00
87 M	1,2-Dichlorobenzene	0.849	0.756	11.0	88	0.00
88	1,2-Dibromo-3-Chloropropane	0.141	0.130	7.8	94	0.00
89	1,2,4-Trichlorobenzene	0.623	0.462	25.8	67	0.00
90	Hexachlorobutadiene	0.282	0.151	46.5#	49	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.839	1.588	13.6	76	0.00
92	1,2,3-Trichlorobenzene	0.595	0.452	24.0	67	0.00

(#) = Out of Range

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