

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019877.D
 Acq On : 11 Dec 2020 15:44
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 12 00:23:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 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	87	0.00
2 M	Dichlorodifluoromethane	1.595	1.352	15.2	71	0.00
3 M	Chloromethane	1.701	1.528	10.2	76	0.00
4 M	Vinyl Chloride	1.969	1.735	11.9	76	0.00
5 M	Bromomethane	0.762	1.097	-44.0#	82	0.02
6 M	Chloroethane	1.242	1.027	17.3	72	0.00
7 M	Trichlorofluoromethane	2.773	2.437	12.1	75	0.00
8 T	Diethyl Ether	1.151	1.066	7.4	78	0.00
9	1,1,2-Trichlorotrifluoroeth	1.595	1.514	5.1	80	0.00
10 M	1,1-Dichloroethene	1.619	1.493	7.8	80	0.00
11	Methyl Iodide	2.117	1.696	19.9	75	0.00
12	Methyl Acetate	2.109	2.017	4.4	85	0.00
13 M	Acrolein	0.299	0.273	8.7	86	0.00
14 M	Acrylonitrile	1.025	0.938	8.5	81	0.00
15 M	Acetone	0.305	0.247	19.0	70	0.02
16 M	Carbon Disulfide	4.432	3.380	23.7	67	0.00
17	Allyl chloride	2.666	2.392	10.3	79	0.00
18 M	Methylene Chloride	1.998	1.846	7.6	80	0.00
19 M	trans-1,2-Dichloroethene	1.878	1.650	12.1	76	0.00
20 T	Diisopropyl ether	5.531	5.277	4.6	82	0.00
21 M	1,1-Dichloroethane	3.312	3.083	6.9	80	0.00
22 M	cis-1,2-Dichloroethene	2.171	1.953	10.0	78	0.00
23 M	tert-Butyl Alcohol	0.483	0.399	17.4	79	0.04
24 M	Methyl tert-Butyl Ether	5.895	5.461	7.4	80	0.00
25 M	Chloroform	3.417	3.189	6.7	80	0.00
26	Cyclohexane	2.843	2.521	11.3	77	0.00
27 s	1,2-Dichloroethane-d4	2.079	2.125	-2.2	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.466	0.420	9.9	76	0.00
30 M	2-Butanone	0.247	0.220	10.9	78	0.01
31	2,2-Dichloropropane	0.526	0.477	9.3	77	0.00
32 M	1,1,1-Trichloroethane	0.539	0.494	8.3	78	0.00
33 M	Carbon Tetrachloride	0.464	0.412	11.2	75	0.00
34 M	Benzene	1.424	1.338	6.0	79	0.00
35	Methacrylonitrile	0.255	0.242	5.1	82	0.00
36 M	1,2-Dichloroethane	0.489	0.461	5.7	80	0.00
37 M	Trichloroethene	0.374	0.337	9.9	78	0.00
38	Methylcyclohexane	0.554	0.487	12.1	75	0.00
39 M	1,2-Dichloropropane	0.358	0.342	4.5	82	0.00
40	Dibromomethane	0.245	0.221	9.8	78	0.00
41 M	Bromodichloromethane	0.487	0.436	10.5	77	0.00
42 M	Vinyl Acetate	0.864	0.806	6.7	79	0.00
43	Ethyl Acetate	0.467	0.437	6.4	81	0.00
44	Isopropyl Acetate	0.761	0.692	9.1	79	0.00
45 T	1,4-Dioxane	0.009	0.008#	11.1	75	0.04
46	Methyl methacrylate	0.375	0.330	12.0	77	0.00
47	n-amyl Acetate	0.652	0.533	18.3	74	0.00

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 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
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48 M	t-1,3-Dichloropropene	0.542	0.466	14.0	75	0.00
49 T	cis-1,3-Dichloropropene	0.593	0.520	12.3	75	0.00
50 M	1,1,2-Trichloroethane	0.365	0.339	7.1	79	0.00
51	Ethyl methacrylate	0.560	0.494	11.8	78	0.00
52	1,3-Dichloropropane	0.615	0.577	6.2	80	0.00
53 M	Dibromochloromethane	0.385	0.323	16.1	73	0.00
54 M	1,2-Dibromoethane	0.387	0.348	10.1	76	0.00
55 M	2-Chloroethyl vinyl ether	0.290	0.302	-4.1	87	0.00
56 M	Bromoform	0.287	0.224	22.0	69	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.513	0.487	5.1	81	0.00
59 M	2-Hexanone	0.400	0.370	7.5	80	0.00
60 S	4-Bromofluorobenzene	0.504	0.485	3.8	83	0.00
61 M	Tetrachloroethene	0.354	0.348	1.7	81	0.00
62 M	Toluene	1.656	1.574	5.0	78	0.00
63 S	Toluene-d8	1.314	1.364	-3.8	87	0.00
64 M	Chlorobenzene	1.039	0.933	10.2	75	0.00
65	1,1,1,2-Tetrachloroethane	0.385	0.346	10.1	75	0.00
66 M	Ethyl Benzene	1.860	1.683	9.5	75	0.00
67 M	m/p-Xylenes	0.703	0.625	11.1	74	0.00
68 M	o-Xylene	0.682	0.602	11.7	74	0.00
69 M	Styrene	1.159	1.013	12.6	73	0.00
70	Isopropylbenzene	1.818	1.653	9.1	75	0.00
71 M	1,1,2,2-Tetrachloroethane	0.629	0.562	10.7	75	0.00
72	1,2,3-Trichloropropane	0.587	0.526	10.4	75	0.00
73	Bromobenzene	0.463	0.406	12.3	74	0.00
74	n-propylbenzene	2.102	1.842	12.4	73	0.00
75	2-Chlorotoluene	1.276	1.137	10.9	75	0.00
76	1,3,5-Trimethylbenzene	1.541	1.372	11.0	75	0.00
77	t-1,4-Dichloro-2-butene	0.212	0.167	21.2	71	0.00
78	4-Chlorotoluene	1.475	1.289	12.6	73	0.00
79	tert-butylbenzene	1.508	1.308	13.3	76	0.00
80	1,2,4-Trimethylbenzene	1.547	1.368	11.6	75	0.00
81	sec-Butylbenzene	1.746	1.541	11.7	74	0.00
82	p-Isopropyltoluene	1.600	1.387	13.3	74	0.00
83 M	1,3-Dichlorobenzene	0.834	0.716	14.1	74	0.00
84 M	1,4-Dichlorobenzene	0.839	0.706	15.9	71	0.00
85	n-Butylbenzene	1.407	1.174	16.6	72	0.00
86 T	Hexachloroethane	0.282	0.223	20.9	70	0.00
87 M	1,2-Dichlorobenzene	0.820	0.701	14.5	72	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.119	13.1	78	0.00
89	1,2,4-Trichlorobenzene	0.541	0.451	16.6	72	0.00
90	Hexachlorobutadiene	0.237	0.207	12.7	74	0.00
91 M	Naphthalene	1.772	1.536	13.3	76	0.00
92	1,2,3-Trichlorobenzene	0.531	0.465	12.4	76	0.00

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Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#)= Out of Range				
SPCC's out = 0 CCC's out = 0				