

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121120\
 Data File : VX019865.D
 Acq On : 11 Dec 2020 09:15
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 12 00:20:00 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	1.383	13.3	73	0.00
3 M	Chloromethane	1.701	1.458	14.3	72	0.00
4 M	Vinyl Chloride	1.969	1.711	13.1	75	0.00
5 M	Bromomethane	0.762	1.024	-34.4#	76	0.00
6 M	Chloroethane	1.242	1.100	11.4	77	0.00
7 M	Trichlorofluoromethane	2.773	2.438	12.1	75	0.00
8 T	Diethyl Ether	1.151	1.013	12.0	74	0.00
9	1,1,2-Trichlorotrifluoroeth	1.595	1.425	10.7	75	0.00
10 M	1,1-Dichloroethene	1.619	1.382	14.6	74	0.00
11	Methyl Iodide	2.117	1.629	23.1	72	0.00
12	Methyl Acetate	2.109	1.918	9.1	80	0.00
13 M	Acrolein	0.299	0.250	16.4	78	0.00
14 M	Acrylonitrile	1.025	0.896	12.6	78	0.00
15 M	Acetone	0.305	0.288	5.6	82	0.00
16 M	Carbon Disulfide	4.432	3.482	21.4	69	0.00
17	Allyl chloride	2.666	2.300	13.7	76	0.00
18 M	Methylene Chloride	1.998	1.753	12.3	76	0.00
19 M	trans-1,2-Dichloroethene	1.878	1.614	14.1	74	0.00
20 T	Diisopropyl ether	5.531	4.981	9.9	77	0.00
21 M	1,1-Dichloroethane	3.312	2.934	11.4	76	0.00
22 M	cis-1,2-Dichloroethene	2.171	1.875	13.6	75	0.00
23 M	tert-Butyl Alcohol	0.483	0.400	17.2	79	0.00
24 M	Methyl tert-Butyl Ether	5.895	5.255	10.9	77	0.00
25 M	Chloroform	3.417	3.027	11.4	76	0.00
26	Cyclohexane	2.843	2.490	12.4	76	0.00
27 s	1,2-Dichloroethane-d4	2.079	2.124	-2.2	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.466	0.405	13.1	75	0.00
30 M	2-Butanone	0.247	0.223	9.7	80	0.00
31	2,2-Dichloropropane	0.526	0.459	12.7	75	0.00
32 M	1,1,1-Trichloroethane	0.539	0.475	11.9	76	0.00
33 M	Carbon Tetrachloride	0.464	0.395	14.9	73	0.00
34 M	Benzene	1.424	1.251	12.1	75	0.00
35	Methacrylonitrile	0.255	0.217	14.9	75	0.00
36 M	1,2-Dichloroethane	0.489	0.433	11.5	76	0.00
37 M	Trichloroethene	0.374	0.327	12.6	77	0.00
38	Methylcyclohexane	0.554	0.482	13.0	76	0.00
39 M	1,2-Dichloropropane	0.358	0.323	9.8	79	0.00
40	Dibromomethane	0.245	0.211	13.9	76	0.00
41 M	Bromodichloromethane	0.487	0.413	15.2	74	0.00
42 M	Vinyl Acetate	0.864	0.759	12.2	76	0.00
43	Ethyl Acetate	0.467	0.404	13.5	77	0.00
44	Isopropyl Acetate	0.761	0.646	15.1	75	0.00
45 T	1,4-Dioxane	0.009	0.007#	22.2	72	0.00
46	Methyl methacrylate	0.375	0.323	13.9	76	0.00
47	n-amyl Acetate	0.652	0.529	18.9	74	0.00

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Quant Time: Dec 12 00:20:00 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)
48 M	t-1,3-Dichloropropene	0.542	0.449	17.2	73	0.00
49 T	cis-1,3-Dichloropropene	0.593	0.500	15.7	74	0.00
50 M	1,1,2-Trichloroethane	0.365	0.320	12.3	76	0.00
51	Ethyl methacrylate	0.560	0.466	16.8	75	0.00
52	1,3-Dichloropropane	0.615	0.542	11.9	76	0.00
53 M	Dibromochloromethane	0.385	0.313	18.7	72	0.00
54 M	1,2-Dibromoethane	0.387	0.330	14.7	73	0.00
55 M	2-Chloroethyl vinyl ether	0.290	0.259	10.7	76	0.00
56 M	Bromoform	0.287	0.220	23.3	70	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
58 M	4-Methyl-2-Pentanone	0.513	0.450	12.3	77	0.00
59 M	2-Hexanone	0.400	0.360	10.0	80	0.00
60 S	4-Bromofluorobenzene	0.504	0.500	0.8	87	0.00
61 M	Tetrachloroethene	0.354	0.339	4.2	81	0.00
62 M	Toluene	1.656	1.501	9.4	77	0.00
63 S	Toluene-d8	1.314	1.340	-2.0	88	0.00
64 M	Chlorobenzene	1.039	0.909	12.5	75	0.00
65	1,1,1,2-Tetrachloroethane	0.385	0.330	14.3	73	0.00
66 M	Ethyl Benzene	1.860	1.623	12.7	74	0.00
67 M	m/p-Xylenes	0.703	0.606	13.8	73	0.00
68 M	o-Xylene	0.682	0.590	13.5	74	0.00
69 M	Styrene	1.159	0.980	15.4	73	0.00
70	Isopropylbenzene	1.818	1.593	12.4	74	0.00
71 M	1,1,2,2-Tetrachloroethane	0.629	0.533	15.3	73	0.00
72	1,2,3-Trichloropropane	0.587	0.486	17.2	71	0.00
73	Bromobenzene	0.463	0.388	16.2	72	0.00
74	n-propylbenzene	2.102	1.851	11.9	76	0.00
75	2-Chlorotoluene	1.276	1.100	13.8	74	0.00
76	1,3,5-Trimethylbenzene	1.541	1.336	13.3	75	0.00
77	t-1,4-Dichloro-2-butene	0.212	0.159	25.0	69	0.00
78	4-Chlorotoluene	1.475	1.286	12.8	75	0.00
79	tert-butylbenzene	1.508	1.268	15.9	75	0.00
80	1,2,4-Trimethylbenzene	1.547	1.358	12.2	76	0.00
81	sec-Butylbenzene	1.746	1.537	12.0	76	0.00
82	p-Isopropyltoluene	1.600	1.404	12.3	77	0.00
83 M	1,3-Dichlorobenzene	0.834	0.717	14.0	75	0.00
84 M	1,4-Dichlorobenzene	0.839	0.706	15.9	73	0.00
85	n-Butylbenzene	1.407	1.209	14.1	75	0.00
86 T	Hexachloroethane	0.282	0.224	20.6	72	0.00
87 M	1,2-Dichlorobenzene	0.820	0.688	16.1	72	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.112	18.2	75	0.00
89	1,2,4-Trichlorobenzene	0.541	0.464	14.2	75	0.00
90	Hexachlorobutadiene	0.237	0.216	8.9	79	0.00
91 M	Naphthalene	1.772	1.486	16.1	75	0.00
92	1,2,3-Trichlorobenzene	0.531	0.461	13.2	77	0.00

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Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

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