

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX101520\
 Data File : VX018953.D
 Acq On : 15 Oct 2020 23:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 16 05:21:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 15 15:32:58 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	83	0.00
2 M	Dichlorodifluoromethane	1.422	1.229	13.6	80	0.00
3 M	Chloromethane	1.609	1.474	8.4	77	0.00
4 M	Vinyl Chloride	1.974	1.951	1.2	90	0.00
5 M	Bromomethane	1.169	1.698	-45.3#	117	0.00
6 M	Chloroethane	1.362	1.331	2.3	91	0.00
7 M	Trichlorofluoromethane	3.108	3.041	2.2	90	0.00
8 T	Diethyl Ether	1.223	1.248	-2.0	94	0.00
9	1,1,2-Trichlorotrifluoroeth	1.728	1.379	20.2	72	0.00
10 M	1,1-Dichloroethene	1.796	1.512	15.8	77	0.00
11	Methyl Iodide	2.132	1.222	42.7#	57	0.00
12	Methyl Acetate	1.761	1.712	2.8	90	0.00
13 M	Acrolein	0.337	0.307	8.9	93	0.00
14 M	Acrylonitrile	0.819	0.788	3.8	88	0.00
15 M	Acetone	0.276	0.242	12.3	72	0.00
16 M	Carbon Disulfide	4.405	4.067	7.7	85	0.00
17	Allyl chloride	2.330	2.084	10.6	82	0.00
18 M	Methylene Chloride	1.810	1.691	6.6	85	0.00
19 M	trans-1,2-Dichloroethene	1.809	1.657	8.4	85	0.00
20 T	Diisopropyl ether	4.325	4.178	3.4	89	0.00
21 M	1,1-Dichloroethane	2.956	2.819	4.6	87	0.00
22 M	cis-1,2-Dichloroethene	2.048	1.929	5.8	87	0.00
23 M	tert-Butyl Alcohol	0.456	0.436	4.4	85	0.00
24 M	Methyl tert-Butyl Ether	4.959	4.752	4.2	87	0.00
25 M	Chloroform	3.138	3.060	2.5	89	0.00
26	Cyclohexane	2.380	2.217	6.8	85	0.00
27 s	1,2-Dichloroethane-d4	1.914	2.024	-5.7	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
29	1,1-Dichloropropene	0.435	0.402	7.6	85	0.00
30 M	2-Butanone	0.217	0.209	3.7	89	0.00
31	2,2-Dichloropropane	0.512	0.390	23.8	70	0.00
32 M	1,1,1-Trichloroethane	0.528	0.495	6.3	87	0.00
33 M	Carbon Tetrachloride	0.484	0.446	7.9	86	0.00
34 M	Benzene	1.289	1.230	4.6	88	0.00
35	Methacrylonitrile	0.224	0.216	3.6	88	0.00
36 M	1,2-Dichloroethane	0.424	0.417	1.7	90	0.00
37 M	Trichloroethene	0.378	0.337	10.8	82	0.00
38	Methylcyclohexane	0.496	0.446	10.1	83	0.00
39 M	1,2-Dichloropropane	0.315	0.300	4.8	88	0.00
40	Dibromomethane	0.232	0.217	6.5	86	0.00
41 M	Bromodichloromethane	0.471	0.452	4.0	88	0.00
42 M	Vinyl Acetate	0.776	0.740	4.6	88	0.00
43	Ethyl Acetate	0.449	0.407	9.4	87	0.00
44	Isopropyl Acetate	0.720	0.689	4.3	89	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	83	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.335	0.320	4.5	88	0.00
47	n-amyl Acetate	0.602	0.555	7.8	81	0.00
48 M	t-1,3-Dichloropropene	0.538	0.492	8.6	83	0.00
49 T	cis-1,3-Dichloropropene	0.572	0.525	8.2	83	0.00
50 M	1,1,2-Trichloroethane	0.332	0.319	3.9	85	0.00
51	Ethyl methacrylate	0.523	0.496	5.2	86	0.00
52	1,3-Dichloropropane	0.548	0.538	1.8	88	0.00
53 M	Dibromochloromethane	0.395	0.367	7.1	82	0.00
54 M	1,2-Dibromoethane	0.365	0.351	3.8	86	0.00
55 M	2-Chloroethyl vinyl ether	0.276	0.259	6.2	85	0.00
56 M	Bromoform	0.305	0.270	11.5	81	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
58 M	4-Methyl-2-Pentanone	0.479	0.457	4.6	89	0.00
59 M	2-Hexanone	0.367	0.346	5.7	86	0.00
60 S	4-Bromofluorobenzene	0.467	0.462	1.1	80	0.00
61 M	Tetrachloroethene	0.369	0.332	10.0	82	0.00
62 M	Toluene	1.608	1.521	5.4	87	0.00
63 S	Toluene-d8	1.311	1.333	-1.7	85	0.00
64 M	Chlorobenzene	1.023	0.951	7.0	83	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.364	8.3	83	0.00
66 M	Ethyl Benzene	1.782	1.665	6.6	83	0.00
67 M	m/p-Xylenes	0.698	0.638	8.6	83	0.00
68 M	o-Xylene	0.660	0.620	6.1	85	0.00
69 M	Styrene	1.135	1.030	9.3	82	0.00
70	Isopropylbenzene	1.754	1.623	7.5	82	0.00
71 M	1,1,2,2-Tetrachloroethane	0.546	0.514	5.9	87	0.00
72	1,2,3-Trichloropropane	0.510	0.467	8.4	83	0.00
73	Bromobenzene	0.452	0.400	11.5	79	0.00
74	n-propylbenzene	1.998	1.796	10.1	80	0.00
75	2-Chlorotoluene	1.155	1.070	7.4	83	0.00
76	1,3,5-Trimethylbenzene	1.469	1.334	9.2	81	0.00
77	t-1,4-Dichloro-2-butene	0.221	0.186	15.8	76	0.00
78	4-Chlorotoluene	1.360	1.231	9.5	81	0.00
79	tert-butylbenzene	1.488	1.372	7.8	83	0.00
80	1,2,4-Trimethylbenzene	1.463	1.345	8.1	83	0.00
81	sec-Butylbenzene	1.706	1.555	8.9	82	0.00
82	p-Isopropyltoluene	1.590	1.406	11.6	79	0.00
83 M	1,3-Dichlorobenzene	0.803	0.704	12.3	81	0.00
84 M	1,4-Dichlorobenzene	0.810	0.729	10.0	83	0.00
85	n-Butylbenzene	1.423	1.193	16.2	77	0.00
86 T	Hexachloroethane	0.270	0.237	12.2	79	0.00
87 M	1,2-Dichlorobenzene	0.778	0.697	10.4	82	0.00
88	1,2-Dibromo-3-Chloropropane	0.132	0.122	7.6	87	0.00
89	1,2,4-Trichlorobenzene	0.568	0.465	18.1	78	0.00
90	Hexachlorobutadiene	0.237	0.193	18.6	77	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.852	1.667	10.0	84	0.00
92	1,2,3-Trichlorobenzene	0.554	0.456	17.7	78	0.00

(#) = Out of Range

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