

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014690.D
 Acq On : 24 Jan 2020 11:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 24 22:41:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 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	2.073	1.840	11.2	79	0.00
3 M	Chloromethane	2.270	2.134	6.0	84	0.00
4 M	Vinyl Chloride	2.549	2.317	9.1	82	0.00
5 M	Bromomethane	1.590	1.443	9.2	98	0.00
6 M	Chloroethane	1.437	1.347	6.3	83	0.01
7 M	Trichlorofluoromethane	2.822	2.537	10.1	85	0.00
8 T	Diethyl Ether	1.233	1.268	-2.8	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.491	9.7	84	0.00
10 M	1,1-Dichloroethene	1.661	1.484	10.7	85	0.00
11	Methyl Iodide	2.227	2.101	5.7	92	0.00
12	Methyl Acetate	3.000	3.191	-6.4	98	0.00
13 M	Acrolein	0.315	0.379	-20.3	112	0.00
14 M	Acrylonitrile	1.027	1.031	-0.4	92	0.00
15 M	Acetone	0.344	0.356	-3.5	91	0.00
16 M	Carbon Disulfide	4.561	4.015	12.0	85	0.00
17	Allyl chloride	3.074	2.880	6.3	90	0.00
18 M	Methylene Chloride	1.944	2.002	-3.0	96	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.672	6.5	89	0.00
20 T	Diisopropyl ether	6.081	6.298	-3.6	97	0.00
21 M	1,1-Dichloroethane	3.304	3.224	2.4	92	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.020	1.7	94	0.00
23 M	tert-Butyl Alcohol	0.425	0.426	-0.2	96	-0.02
24 M	Methyl tert-Butyl Ether	5.527	5.711	-3.3	97	0.00
25 M	Chloroform	3.200	3.247	-1.5	96	0.00
26	Cyclohexane	3.047	2.644	13.2	82	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.165	-2.7	93	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29	1,1-Dichloropropene	0.440	0.411	6.6	87	0.00
30 M	2-Butanone	0.279	0.292	-4.7	93	-0.01
31	2,2-Dichloropropane	0.471	0.454	3.6	90	0.00
32 M	1,1,1-Trichloroethane	0.487	0.466	4.3	90	0.00
33 M	Carbon Tetrachloride	0.418	0.383	8.4	86	0.00
34 M	Benzene	1.360	1.367	-0.5	91	0.00
35	Methacrylonitrile	0.278	0.282	-1.4	92	0.00
36 M	1,2-Dichloroethane	0.473	0.505	-6.8	97	0.00
37 M	Trichloroethene	0.372	0.365	1.9	90	0.00
38	Methylcyclohexane	0.548	0.489	10.8	82	0.00
39 M	1,2-Dichloropropane	0.354	0.362	-2.3	94	0.00
40	Dibromomethane	0.227	0.239	-5.3	98	0.00
41 M	Bromodichloromethane	0.445	0.457	-2.7	97	0.00
42 M	Vinyl Acetate	0.859	0.900	-4.8	97	0.00
43	Ethyl Acetate	0.505	0.523	-3.6	93	-0.01
44	Isopropyl Acetate	0.814	0.847	-4.1	96	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	92	0.00

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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	0.400	0.409	-2.2	95	0.00
47	n-amyl Acetate	0.682	0.675	1.0	97	0.00
48 M	t-1,3-Dichloropropene	0.486	0.504	-3.7	98	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.562	-2.7	97	0.00
50 M	1,1,2-Trichloroethane	0.346	0.360	-4.0	94	0.00
51	Ethyl methacrylate	0.538	0.545	-1.3	98	0.00
52	1,3-Dichloropropane	0.586	0.612	-4.4	96	0.00
53 M	Dibromochloromethane	0.354	0.368	-4.0	100	0.00
54 M	1,2-Dibromoethane	0.359	0.382	-6.4	97	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.241	2.4	91	0.00
56 M	Bromoform	0.272	0.277	-1.8	97	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.580	-2.7	94	0.00
59 M	2-Hexanone	0.437	0.452	-3.4	95	0.00
60 S	4-Bromofluorobenzene	0.480	0.483	-0.6	92	0.00
61 M	Tetrachloroethene	0.443	0.431	2.7	90	0.00
62 M	Toluene	1.592	1.580	0.8	92	0.00
63 S	Toluene-d8	1.355	1.350	0.4	89	0.00
64 M	Chlorobenzene	0.994	0.995	-0.1	94	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.361	1.6	92	0.00
66 M	Ethyl Benzene	1.734	1.675	3.4	91	0.00
67 M	m/p-Xylenes	0.664	0.650	2.1	92	0.00
68 M	o-Xylene	0.647	0.629	2.8	92	0.00
69 M	Styrene	1.096	1.096	0.0	96	0.00
70	Isopropylbenzene	1.694	1.621	4.3	91	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.576	-0.9	94	0.00
72	1,2,3-Trichloropropane	0.488	0.496	-1.6	96	0.00
73	Bromobenzene	0.449	0.446	0.7	94	0.00
74	n-propylbenzene	1.936	1.862	3.8	92	0.00
75	2-Chlorotoluene	1.160	1.139	1.8	94	0.00
76	1,3,5-Trimethylbenzene	1.412	1.370	3.0	92	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.176	6.4	96	0.00
78	4-Chlorotoluene	1.318	1.297	1.6	94	0.00
79	tert-butylbenzene	1.321	1.250	5.4	91	0.00
80	1,2,4-Trimethylbenzene	1.408	1.388	1.4	93	0.00
81	sec-Butylbenzene	1.634	1.535	6.1	91	0.00
82	p-Isopropyltoluene	1.492	1.410	5.5	90	0.00
83 M	1,3-Dichlorobenzene	0.784	0.778	0.8	95	0.00
84 M	1,4-Dichlorobenzene	0.777	0.774	0.4	97	0.00
85	n-Butylbenzene	1.305	1.178	9.7	91	0.00
86 T	Hexachloroethane	0.268	0.247	7.8	92	0.00
87 M	1,2-Dichlorobenzene	0.791	0.792	-0.1	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.122	0.0	96	0.00
89	1,2,4-Trichlorobenzene	0.522	0.515	1.3	98	0.00
90	Hexachlorobutadiene	0.261	0.243	6.9	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.524	3.3	93	0.00
92	1,2,3-Trichlorobenzene	0.532	0.532	0.0	98	0.00

(#) = Out of Range

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