

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX010920\
 Data File : VX014520.D
 Acq On : 10 Jan 2020 00:21
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 10 08:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 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	84	0.00
2 M	Dichlorodifluoromethane	1.515	1.329	12.3	76	0.00
3 M	Chloromethane	2.136	1.907	10.7	75	0.00
4 M	Vinyl Chloride	2.190	2.033	7.2	81	0.00
5 M	Bromomethane	1.601	1.305	18.5	72	0.00
6 M	Chloroethane	1.352	1.300	3.8	85	0.02
7 M	Trichlorofluoromethane	2.725	2.654	2.6	84	0.01
8 T	Diethyl Ether	1.252	1.228	1.9	85	0.00
9	1,1,2-Trichlorotrifluoroeth	1.625	1.580	2.8	85	0.01
10 M	1,1-Dichloroethene	1.680	1.587	5.5	83	0.00
11	Methyl Iodide	2.163	1.823	15.7	78	0.00
12	Methyl Acetate	2.601	2.647	-1.8	87	0.00
13 M	Acrolein	0.315	0.261	17.1	66	0.00
14 M	Acrylonitrile	1.017	1.007	1.0	86	0.00
15 M	Acetone	0.299	0.328	-9.7	98	0.00
16 M	Carbon Disulfide	4.551	4.213	7.4	83	0.00
17	Allyl chloride	3.019	2.866	5.1	82	0.00
18 M	Methylene Chloride	2.058	1.852	10.0	78	0.00
19 M	trans-1,2-Dichloroethene	1.840	1.757	4.5	84	0.00
20 T	Diisopropyl ether	6.194	5.870	5.2	81	0.00
21 M	1,1-Dichloroethane	3.362	3.184	5.3	82	0.00
22 M	cis-1,2-Dichloroethene	2.133	2.043	4.2	83	0.00
23 M	tert-Butyl Alcohol	0.399	0.427	-7.0	92	-0.02
24 M	Methyl tert-Butyl Ether	5.675	5.518	2.8	84	0.00
25 M	Chloroform	3.205	3.140	2.0	84	0.00
26	Cyclohexane	2.998	2.807	6.4	80	0.00
27 s	1,2-Dichloroethane-d4	2.149	2.146	0.1	84	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
29	1,1-Dichloropropene	0.433	0.420	3.0	84	0.00
30 M	2-Butanone	0.255	0.265	-3.9	90	0.00
31	2,2-Dichloropropane	0.401	0.387	3.5	83	0.00
32 M	1,1,1-Trichloroethane	0.479	0.461	3.8	84	0.00
33 M	Carbon Tetrachloride	0.407	0.392	3.7	84	0.00
34 M	Benzene	1.351	1.315	2.7	83	0.00
35	Methacrylonitrile	0.275	0.273	0.7	84	0.00
36 M	1,2-Dichloroethane	0.469	0.460	1.9	85	0.00
37 M	Trichloroethene	0.368	0.392	-6.5	92	0.00
38	Methylcyclohexane	0.517	0.496	4.1	83	0.00
39 M	1,2-Dichloropropane	0.351	0.336	4.3	82	0.00
40	Dibromomethane	0.224	0.225	-0.4	86	0.00
41 M	Bromodichloromethane	0.434	0.422	2.8	85	0.00
42 M	Vinyl Acetate	0.902	0.481	46.7#	45	0.00
43	Ethyl Acetate	0.490	0.485	1.0	85	0.00
44	Isopropyl Acetate	0.821	0.789	3.9	85	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	89	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.399	0.379	5.0	82	0.00
47	n-amyl Acetate	0.730	0.672	7.9	82	0.00
48 M	t-1,3-Dichloropropene	0.474	0.460	3.0	89	0.00
49 T	cis-1,3-Dichloropropene	0.533	0.516	3.2	86	0.00
50 M	1,1,2-Trichloroethane	0.346	0.333	3.8	82	0.00
51	Ethyl methacrylate	0.550	0.528	4.0	85	0.00
52	1,3-Dichloropropane	0.588	0.569	3.2	82	0.00
53 M	Dibromochloromethane	0.346	0.340	1.7	88	0.00
54 M	1,2-Dibromoethane	0.356	0.355	0.3	86	0.00
55 M	2-Chloroethyl vinyl ether	0.243	0.242	0.4	85	0.00
56 M	Bromoform	0.270	0.255	5.6	88	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.561	0.542	3.4	84	0.00
59 M	2-Hexanone	0.426	0.421	1.2	87	0.00
60 S	4-Bromofluorobenzene	0.484	0.479	1.0	85	0.00
61 M	Tetrachloroethene	0.397	0.583	-46.9#	133	0.00
62 M	Toluene	1.596	1.538	3.6	84	0.00
63 S	Toluene-d8	1.341	1.333	0.6	83	0.00
64 M	Chlorobenzene	1.000	0.955	4.5	83	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.352	4.9	85	0.00
66 M	Ethyl Benzene	1.746	1.673	4.2	84	0.00
67 M	m/p-Xylenes	0.667	0.636	4.6	83	0.00
68 M	o-Xylene	0.661	0.616	6.8	82	0.00
69 M	Styrene	1.125	1.026	8.8	82	0.00
70	Isopropylbenzene	1.709	1.633	4.4	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.606	0.473	21.9	68	0.00
72	1,2,3-Trichloropropane	0.539	0.459	14.8	74	0.00
73	Bromobenzene	0.456	0.424	7.0	83	0.00
74	n-propylbenzene	1.938	1.835	5.3	84	0.00
75	2-Chlorotoluene	1.171	1.111	5.1	83	0.00
76	1,3,5-Trimethylbenzene	1.450	1.358	6.3	83	0.00
77	t-1,4-Dichloro-2-butene	0.178	0.161	9.6	89	0.00
78	4-Chlorotoluene	1.338	1.265	5.5	84	0.00
79	tert-butylbenzene	1.397	1.147	17.9	72	0.00
80	1,2,4-Trimethylbenzene	1.449	1.336	7.8	81	0.00
81	sec-Butylbenzene	1.662	1.552	6.6	83	0.00
82	p-Isopropyltoluene	1.500	1.411	5.9	85	0.00
83 M	1,3-Dichlorobenzene	0.795	0.738	7.2	84	0.00
84 M	1,4-Dichlorobenzene	0.792	0.736	7.1	84	0.00
85	n-Butylbenzene	1.261	1.181	6.3	88	0.00
86 T	Hexachloroethane	0.272	0.242	11.0	86	0.00
87 M	1,2-Dichlorobenzene	0.808	0.746	7.7	84	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.116	4.1	86	0.00
89	1,2,4-Trichlorobenzene	0.516	0.494	4.3	91	0.00
90	Hexachlorobutadiene	0.245	0.244	0.4	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.551	1.535	1.0	93	0.00
92	1,2,3-Trichlorobenzene	0.524	0.518	1.1	94	0.00

(#) = Out of Range

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