

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038108.D
 Acq On : 05 Oct 2023 18:50
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 06 06:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	52	0.00
2 M	Dichlorodifluoromethane	1.573	1.580	-0.4	53	0.00
3 M	Chloromethane	1.684	1.578	6.3	49#	0.01
4 M	Vinyl Chloride	1.885	1.938	-2.8	54	0.00
5 M	Bromomethane	1.452	1.938	-33.5#	67	0.00
6 M	Chloroethane	1.266	1.454	-14.8	60	0.00
7 M	Trichlorofluoromethane	3.112	3.812	-22.5	64	0.00
8 T	Diethyl Ether	1.148	1.422	-23.9	66	0.00
9	1,1,2-Trichlorotrifluoroeth	1.587	1.471	7.3	50#	0.00
10 M	1,1-Dichloroethene	1.553	1.397	10.0	47#	0.00
11	Methyl Iodide	2.102	2.088	0.7	54	0.00
12	Methyl Acetate	3.157	4.348	-37.7#	71	0.00
13 M	Acrolein	0.364	0.623	-71.2#	89	0.00
14 M	Acrylonitrile	0.872	1.206	-38.3#	73	0.00
15 M	Acetone	0.252	0.344	-36.5#	70	0.00
16 M	Carbon Disulfide	3.790	3.504	7.5	52	0.00
17	Allyl chloride	2.378	2.461	-3.5	55	0.00
18 M	Methylene Chloride	1.862	1.898	-1.9	54	0.00
19 M	trans-1,2-Dichloroethene	1.751	1.796	-2.6	55	0.00
20 T	Diisopropyl ether	5.077	5.519	-8.7	57	0.00
21 M	1,1-Dichloroethane	3.067	3.289	-7.2	56	0.00
22 M	cis-1,2-Dichloroethene	2.079	2.143	-3.1	55	0.00
23 M	tert-Butyl Alcohol	0.364	0.585	-60.7#	87	0.00
24 M	Methyl tert-Butyl Ether	5.376	5.804	-8.0	57	0.00
25 M	Chloroform	3.373	3.742	-10.9	58	0.00
26	Cyclohexane	2.610	2.682	-2.8	55	0.00
27 s	1,2-Dichloroethane-d4	2.163	2.554	-18.1	62	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	54	0.00
29	1,1-Dichloropropene	0.434	0.458	-5.5	57	0.00
30 M	2-Butanone	0.208	0.309	-48.6#	79	0.00
31	2,2-Dichloropropane	0.437	0.404	7.6	50	0.00
32 M	1,1,1-Trichloroethane	0.520	0.530	-1.9	56	0.00
33 M	Carbon Tetrachloride	0.445	0.447	-0.4	55	0.00
34 M	Benzene	1.295	1.336	-3.2	55	0.00
35	Methacrylonitrile	0.219	0.279	-27.4#	71	0.00
36 M	1,2-Dichloroethane	0.458	0.531	-15.9	62	0.00
37 M	Trichloroethene	0.357	0.355	0.6	54	0.00
38	Methylcyclohexane	0.545	0.539	1.1	54	0.00
39 M	1,2-Dichloropropane	0.331	0.347	-4.8	56	0.00
40	Dibromomethane	0.245	0.277	-13.1	62	0.00
41 M	Bromodichloromethane	0.446	0.480	-7.6	60	0.00
42 M	Vinyl Acetate	0.656	0.743	-13.3	61	0.00
43	Ethyl Acetate	0.411	0.556	-35.3#	75	0.00
44	Isopropyl Acetate	0.681	0.840	-23.3	68	0.00
45 T	1,4-Dioxane	0.008	0.010	-25.0	71	0.00
46	Methyl methacrylate	0.324	0.403	-24.4	67	0.00
47	n-amyl Acetate	0.640	0.737	-15.2	64	0.00
48 M	t-1,3-Dichloropropene	0.485	0.479	1.2	57	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.521	0.526	-1.0	56	0.00
50 M	1,1,2-Trichloroethane	0.349	0.380	-8.9	60	0.00
51	Ethyl methacrylate	0.515	0.572	-11.1	62	0.00
52	1,3-Dichloropropane	0.561	0.619	-10.3	59	0.00
53 M	Dibromochloromethane	0.360	0.363	-0.8	57	0.00
54 M	1,2-Dibromoethane	0.379	0.411	-8.4	59	0.00
55 M	2-Chloroethyl vinyl ether	0.251	0.290	-15.5	64	0.00
56 M	Bromoform	0.271	0.252	7.0	57	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	55	0.00
58 M	4-Methyl-2-Pentanone	0.439	0.616	-40.3#	76	0.00
59 M	2-Hexanone	0.334	0.495	-48.2#	82	0.00
60 S	4-Bromofluorobenzene	0.489	0.499	-2.0	58	0.00
61 M	Tetrachloroethene	0.319	0.303	5.0	53	0.00
62 M	Toluene	1.556	1.571	-1.0	56	0.00
63 S	Toluene-d8	1.295	1.318	-1.8	56	0.00
64 M	Chlorobenzene	0.971	0.973	-0.2	56	0.00
65	1,1,1,2-Tetrachloroethane	0.352	0.338	4.0	54	0.00
66 M	Ethyl Benzene	1.717	1.785	-4.0	58	0.00
67 M	m/p-Xylenes	0.677	0.682	-0.7	56	0.00
68 M	o-Xylene	0.655	0.661	-0.9	57	0.00
69 M	Styrene	1.099	1.109	-0.9	57	0.00
70	Isopropylbenzene	1.739	1.738	0.1	56	0.00
71 M	1,1,2,2-Tetrachloroethane	0.573	0.665	-16.1	65	0.00
72	1,2,3-Trichloropropane	0.503	0.593	-17.9	67	0.00
73	Bromobenzene	0.441	0.428	2.9	56	0.00
74	n-propylbenzene	2.077	2.177	-4.8	59	0.00
75	2-Chlorotoluene	1.216	1.276	-4.9	59	0.00
76	1,3,5-Trimethylbenzene	1.499	1.508	-0.6	57	0.00
77	t-1,4-Dichloro-2-butene	0.159	0.154	3.1	62	0.00
78	4-Chlorotoluene	1.427	1.486	-4.1	59	0.00
79	tert-butylbenzene	1.476	1.473	0.2	57	0.00
80	1,2,4-Trimethylbenzene	1.491	1.520	-1.9	57	0.00
81	sec-Butylbenzene	1.898	1.964	-3.5	58	0.00
82	p-Isopropyltoluene	1.593	1.578	0.9	56	0.00
83 M	1,3-Dichlorobenzene	0.852	0.840	1.4	56	0.00
84 M	1,4-Dichlorobenzene	0.864	0.854	1.2	56	0.00
85	n-Butylbenzene	1.491	1.523	-2.1	60	0.00
86 T	Hexachloroethane	0.260	0.238	8.5	56	0.00
87 M	1,2-Dichlorobenzene	0.840	0.818	2.6	55	0.00
88	1,2-Dibromo-3-Chloropropane	0.114	0.154	-35.1#	79	0.00
89	1,2,4-Trichlorobenzene	0.571	0.531	7.0	54	0.00
90	Hexachlorobutadiene	0.251	0.218	13.1	51	0.00
91 M	Naphthalene	1.733	1.906	-10.0	61	0.00
92	1,2,3-Trichlorobenzene	0.556	0.531	4.5	54	0.00

(#) = Out of Range

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