

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120623\
 Data File : VX039085.D
 Acq On : 06 Dec 2023 10:12
 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 07 03:58:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 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	115	0.00
2 M	Dichlorodifluoromethane	4.490	4.773	-6.3	121	0.00
3 M	Chloromethane	5.141	5.659	-10.1	129	0.00
4 M	Vinyl Chloride	5.191	5.510	-6.1	123	0.00
5 M	Bromomethane	3.175	3.987	-25.6#	129	0.00
6 M	Chloroethane	3.023	3.288	-8.8	121	0.00
7 M	Trichlorofluoromethane	7.164	7.692	-7.4	123	0.00
8 T	Diethyl Ether	2.750	2.998	-9.0	126	0.00
9	1,1,2-Trichlorotrifluoroeth	4.048	4.830	-19.3	140	0.00
10 M	1,1-Dichloroethene	4.081	4.688	-14.9	134	0.00
11	Methyl Iodide	4.472	4.012	10.3	114	0.00
12	Methyl Acetate	12.727	15.507	-21.8	143	0.00
13 M	Acrolein	1.115	1.073	3.8	116	0.00
14 M	Acrylonitrile	3.113	3.664	-17.7	138	0.00
15 M	Acetone	1.131	1.295	-14.5	117	0.00
16 M	Carbon Disulfide	12.359	13.212	-6.9	126	0.00
17	Allyl chloride	8.101	9.470	-16.9	136	0.00
18 M	Methylene Chloride	4.837	5.460	-12.9	136	0.00
19 M	trans-1,2-Dichloroethene	4.615	5.244	-13.6	135	0.00
20 T	Diisopropyl ether	15.416	18.484	-19.9	140	0.00
21 M	1,1-Dichloroethane	8.571	9.907	-15.6	136	0.00
22 M	cis-1,2-Dichloroethene	5.349	5.998	-12.1	131	-0.01
23 M	tert-Butyl Alcohol	1.723	1.733	-0.6	122	0.00
24 M	Methyl tert-Butyl Ether	15.032	17.347	-15.4	135	0.00
25 M	Chloroform	8.603	9.816	-14.1	134	0.00
26	Cyclohexane	7.758	8.990	-15.9	136	0.00
27 s	1,2-Dichloroethane-d4	4.104	4.156	-1.3	114	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
29	1,1-Dichloropropene	0.841	0.903	-7.4	133	0.00
30 M	2-Butanone	0.633	0.690	-9.0	130	0.00
31	2,2-Dichloropropane	0.962	1.042	-8.3	132	0.00
32 M	1,1,1-Trichloroethane	0.972	1.029	-5.9	130	0.00
33 M	Carbon Tetrachloride	0.819	0.859	-4.9	128	0.00
34 M	Benzene	2.450	2.672	-9.1	134	0.00
35	Methacrylonitrile	0.561	0.605	-7.8	136	-0.01
36 M	1,2-Dichloroethane	0.899	0.952	-5.9	129	0.00
37 M	Trichloroethene	0.622	0.664	-6.8	130	0.00
38	Methylcyclohexane	1.048	1.147	-9.4	133	0.00
39 M	1,2-Dichloropropane	0.646	0.733	-13.5	143	0.00
40	Dibromomethane	0.457	0.480	-5.0	130	0.00
41 M	Bromodichloromethane	0.877	0.950	-8.3	133	0.00
42 M	Vinyl Acetate	1.508	1.661	-10.1	134	0.00
43	Ethyl Acetate	1.089	1.180	-8.4	132	-0.01
44	Isopropyl Acetate	1.717	1.903	-10.8	139	0.00
45 T	1,4-Dioxane	0.018	0.017	5.6	124	0.00
46	Methyl methacrylate	0.982	1.089	-10.9	138	0.00
47	n-amyl Acetate	1.453	1.599	-10.0	142	0.00
48 M	t-1,3-Dichloropropene	1.017	1.076	-5.8	130	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.049	1.149	-9.5	135	0.00
50 M	1,1,2-Trichloroethane	0.620	0.683	-10.2	135	0.00
51	Ethyl methacrylate	0.776	0.852	-9.8	140	0.00
52	1,3-Dichloropropane	1.063	1.173	-10.3	135	0.00
53 M	Dibromochloromethane	0.666	0.693	-4.1	127	0.00
54 M	1,2-Dibromoethane	0.680	0.719	-5.7	132	0.00
55 M	2-Chloroethyl vinyl ether	0.492	0.463	5.9	122	0.00
56 M	Bromoform	0.481	0.483	-0.4	127	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	117	0.00
58 M	4-Methyl-2-Pentanone	0.910	1.040	-14.3	137	0.00
59 M	2-Hexanone	0.747	0.850	-13.8	136	0.00
60 S	4-Bromofluorobenzene	0.655	0.663	-1.2	122	0.00
61 M	Tetrachloroethene	0.390	0.421	-7.9	127	0.00
62 M	Toluene	2.130	2.363	-10.9	134	0.00
63 S	Toluene-d8	1.186	1.177	0.8	118	0.00
64 M	Chlorobenzene	1.296	1.400	-8.0	132	0.00
65	1,1,1,2-Tetrachloroethane	0.467	0.507	-8.6	130	0.00
66 M	Ethyl Benzene	2.425	2.682	-10.6	133	0.00
67 M	m/p-Xylenes	0.896	0.981	-9.5	133	0.00
68 M	o-Xylene	0.868	0.944	-8.8	133	0.00
69 M	Styrene	1.285	1.381	-7.5	132	0.00
70	Isopropylbenzene	2.323	2.564	-10.4	133	0.00
71 M	1,1,2,2-Tetrachloroethane	0.867	0.971	-12.0	137	0.00
72	1,2,3-Trichloropropane	0.734	0.839	-14.3	137	0.00
73	Bromobenzene	0.529	0.558	-5.5	131	0.00
74	n-propylbenzene	2.846	3.179	-11.7	135	0.00
75	2-Chlorotoluene	1.670	1.840	-10.2	134	0.00
76	1,3,5-Trimethylbenzene	2.001	2.202	-10.0	133	0.00
77	t-1,4-Dichloro-2-butene	0.291	0.307	-5.5	136	0.00
78	4-Chlorotoluene	1.963	2.169	-10.5	134	0.00
79	tert-butylbenzene	1.903	2.082	-9.4	132	0.00
80	1,2,4-Trimethylbenzene	2.003	2.206	-10.1	134	0.00
81	sec-Butylbenzene	2.405	2.671	-11.1	136	0.00
82	p-Isopropyltoluene	2.039	2.236	-9.7	134	0.00
83 M	1,3-Dichlorobenzene	1.012	1.097	-8.4	134	0.00
84 M	1,4-Dichlorobenzene	1.038	1.106	-6.6	131	0.00
85	n-Butylbenzene	2.013	2.243	-11.4	139	0.00
86 T	Hexachloroethane	0.386	0.416	-7.8	133	0.00
87 M	1,2-Dichlorobenzene	0.973	1.038	-6.7	129	0.00
88	1,2-Dibromo-3-Chloropropane	0.222	0.233	-5.0	128	0.00
89	1,2,4-Trichlorobenzene	0.645	0.697	-8.1	132	0.00
90	Hexachlorobutadiene	0.230	0.263	-14.3	138	0.00
91 M	Naphthalene	2.379	2.497	-5.0	130	0.00
92	1,2,3-Trichlorobenzene	0.625	0.681	-9.0	132	0.00

(#) = Out of Range

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