

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
 Data File : VX039222.D
 Acq On : 15 Dec 2023 09:36
 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 16 01:10:51 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	95	0.00
2 M	Dichlorodifluoromethane	4.490	4.768	-6.2	99	0.00
3 M	Chloromethane	5.141	5.121	0.4	96	0.00
4 M	Vinyl Chloride	5.191	5.018	3.3	93	0.00
5 M	Bromomethane	3.175	3.173	0.1	85	0.00
6 M	Chloroethane	3.023	2.876	4.9	87	0.00
7 M	Trichlorofluoromethane	7.164	7.486	-4.5	98	0.00
8 T	Diethyl Ether	2.750	2.659	3.3	92	0.00
9	1,1,2-Trichlorotrifluoroeth	4.048	4.753	-17.4	113	0.00
10 M	1,1-Dichloroethene	4.081	4.447	-9.0	105	0.00
11	Methyl Iodide	4.472	4.271	4.5	100	0.00
12	Methyl Acetate	12.727	15.147	-19.0	115	0.00
13 M	Acrolein	1.115	0.893	19.9	80	0.00
14 M	Acrylonitrile	3.113	3.321	-6.7	103	0.00
15 M	Acetone	1.131	1.157	-2.3	86	0.00
16 M	Carbon Disulfide	12.359	11.932	3.5	94	0.00
17	Allyl chloride	8.101	9.246	-14.1	109	0.00
18 M	Methylene Chloride	4.837	5.405	-11.7	111	0.00
19 M	trans-1,2-Dichloroethene	4.615	4.897	-6.1	104	0.00
20 T	Diisopropyl ether	15.416	17.522	-13.7	109	0.00
21 M	1,1-Dichloroethane	8.571	9.612	-12.1	109	0.00
22 M	cis-1,2-Dichloroethene	5.349	5.565	-4.0	100	-0.01
23 M	tert-Butyl Alcohol	1.723	1.492	13.4	86	0.00
24 M	Methyl tert-Butyl Ether	15.032	16.726	-11.3	108	0.00
25 M	Chloroform	8.603	9.455	-9.9	107	0.00
26	Cyclohexane	7.758	8.157	-5.1	101	-0.01
27 s	1,2-Dichloroethane-d4	4.104	4.630	-12.8	105	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	-0.01
29	1,1-Dichloropropene	0.841	0.875	-4.0	105	0.00
30 M	2-Butanone	0.633	0.630	0.5	97	0.00
31	2,2-Dichloropropane	0.962	1.003	-4.3	104	-0.01
32 M	1,1,1-Trichloroethane	0.972	1.005	-3.4	104	0.00
33 M	Carbon Tetrachloride	0.819	0.799	2.4	98	0.00
34 M	Benzene	2.450	2.471	-0.9	102	0.00
35	Methacrylonitrile	0.561	0.590	-5.2	108	-0.01
36 M	1,2-Dichloroethane	0.899	0.994	-10.6	111	0.00
37 M	Trichloroethene	0.622	0.619	0.5	100	0.00
38	Methylcyclohexane	1.048	1.014	3.2	96	0.00
39 M	1,2-Dichloropropane	0.646	0.653	-1.1	104	0.00
40	Dibromomethane	0.457	0.461	-0.9	102	0.00
41 M	Bromodichloromethane	0.877	0.907	-3.4	104	0.00
42 M	Vinyl Acetate	1.508	1.563	-3.6	103	0.00
43	Ethyl Acetate	1.089	1.075	1.3	99	-0.01
44	Isopropyl Acetate	1.717	1.733	-0.9	103	0.00
45 T	1,4-Dioxane	0.018	0.015	16.7	91	0.00
46	Methyl methacrylate	0.982	1.012	-3.1	105	0.00
47	n-amyl Acetate	1.453	1.465	-0.8	106	0.00
48 M	t-1,3-Dichloropropene	1.017	0.987	2.9	98	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.049	1.090	-3.9	105	0.00
50 M	1,1,2-Trichloroethane	0.620	0.630	-1.6	102	0.00
51	Ethyl methacrylate	0.776	0.799	-3.0	108	0.00
52	1,3-Dichloropropane	1.063	1.102	-3.7	104	0.00
53 M	Dibromochloromethane	0.666	0.646	3.0	97	0.00
54 M	1,2-Dibromoethane	0.680	0.678	0.3	102	0.00
55 M	2-Chloroethyl vinyl ether	0.492	0.473	3.9	102	0.00
56 M	Bromoform	0.481	0.427	11.2	92	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	0.910	0.960	-5.5	103	0.00
59 M	2-Hexanone	0.747	0.802	-7.4	104	0.00
60 S	4-Bromofluorobenzene	0.655	0.699	-6.7	104	0.00
61 M	Tetrachloroethene	0.390	0.392	-0.5	96	0.00
62 M	Toluene	2.130	2.193	-3.0	101	0.00
63 S	Toluene-d8	1.186	1.196	-0.8	97	0.00
64 M	Chlorobenzene	1.296	1.299	-0.2	99	0.00
65	1,1,1,2-Tetrachloroethane	0.467	0.473	-1.3	99	0.00
66 M	Ethyl Benzene	2.425	2.494	-2.8	100	0.00
67 M	m/p-Xylenes	0.896	0.900	-0.4	99	0.00
68 M	o-Xylene	0.868	0.872	-0.5	100	0.00
69 M	Styrene	1.285	1.285	0.0	99	0.00
70	Isopropylbenzene	2.323	2.414	-3.9	102	0.00
71 M	1,1,2,2-Tetrachloroethane	0.867	0.903	-4.2	103	0.00
72	1,2,3-Trichloropropane	0.734	0.797	-8.6	106	0.00
73	Bromobenzene	0.529	0.523	1.1	100	0.00
74	n-propylbenzene	2.846	3.007	-5.7	104	0.00
75	2-Chlorotoluene	1.670	1.756	-5.1	104	0.00
76	1,3,5-Trimethylbenzene	2.001	2.035	-1.7	100	0.00
77	t-1,4-Dichloro-2-butene	0.291	0.262	10.0	94	0.00
78	4-Chlorotoluene	1.963	2.071	-5.5	104	0.00
79	tert-butylbenzene	1.903	1.925	-1.2	99	0.00
80	1,2,4-Trimethylbenzene	2.003	2.058	-2.7	101	0.00
81	sec-Butylbenzene	2.405	2.493	-3.7	103	0.00
82	p-Isopropyltoluene	2.039	2.087	-2.4	102	0.00
83 M	1,3-Dichlorobenzene	1.012	1.013	-0.1	100	0.00
84 M	1,4-Dichlorobenzene	1.038	1.039	-0.1	100	0.00
85	n-Butylbenzene	2.013	2.078	-3.2	104	0.00
86 T	Hexachloroethane	0.386	0.366	5.2	95	0.00
87 M	1,2-Dichlorobenzene	0.973	0.979	-0.6	99	0.00
88	1,2-Dibromo-3-Chloropropane	0.222	0.220	0.9	98	0.00
89	1,2,4-Trichlorobenzene	0.645	0.638	1.1	98	0.00
90	Hexachlorobutadiene	0.230	0.238	-3.5	102	0.00
91 M	Naphthalene	2.379	2.279	4.2	96	0.00
92	1,2,3-Trichlorobenzene	0.625	0.627	-0.3	99	0.00

(#) = Out of Range

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