

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079327.D
 Acq On : 22 Sep 2023 09:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 23 00:37:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 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	108	0.00
2 M	Dichlorodifluoromethane	1.673	1.767	-5.6	122	0.00
3 M	Chloromethane	1.678	2.245	-33.8#	153#	0.00
4 M	Vinyl Chloride	1.660	2.555	-53.9#	178#	0.00
5 M	Bromomethane	1.019	1.339	-31.4#	157#	0.01
6 M	Chloroethane	1.017	1.806	-77.6#	207#	0.01
7 M	Trichlorofluoromethane	1.976	3.075	-55.6#	181#	0.00
8 T	Diethyl Ether	0.725	1.009	-39.2#	153#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.089	1.713	-57.3#	177#	0.01
10 M	1,1-Dichloroethene	1.055	1.553	-47.2#	160#	0.00
11	Methyl Iodide	1.329	1.724	-29.7#	147	0.00
12	Methyl Acetate	2.459	3.640	-48.0#	171#	0.00
13 M	Acrolein	0.224	0.324	-44.6#	153#	0.00
14 M	Acrylonitrile	0.721	0.963	-33.6#	153#	0.00
15 M	Acetone	0.188	0.385	-104.8#	226#	0.00
16 M	Carbon Disulfide	3.118	4.397	-41.0#	159#	0.01
17	Allyl chloride	1.696	2.405	-41.8#	151#	0.00
18 M	Methylene Chloride	1.415	2.038	-44.0#	165#	0.00
19 M	trans-1,2-Dichloroethene	1.320	1.824	-38.2#	153#	0.00
20 T	Diisopropyl ether	5.062	6.125	-21.0	112	0.00
21 M	1,1-Dichloroethane	2.965	3.625	-22.3	117	0.00
22 M	cis-1,2-Dichloroethene	2.065	2.049	0.8	106	0.00
23 M	tert-Butyl Alcohol	0.278	0.291	-4.7	122	0.00
24 M	Methyl tert-Butyl Ether	4.165	5.374	-29.0#	142	0.00
25 M	Chloroform	3.576	3.849	-7.6	121	0.00
26	Cyclohexane	2.689	2.616	2.7	108	0.00
27 s	1,2-Dichloroethane-d4	2.254	2.450	-8.7	122	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.481	0.519	-7.9	117	0.00
30 M	2-Butanone	0.242	0.276	-14.0	115	0.00
31	2,2-Dichloropropane	0.480	0.567	-18.1	120	0.00
32 M	1,1,1-Trichloroethane	0.567	0.623	-9.9	119	0.00
33 M	Carbon Tetrachloride	0.487	0.543	-11.5	122	0.00
34 M	Benzene	1.528	1.575	-3.1	112	0.00
35	Methacrylonitrile	0.260	0.270	-3.8	108	0.00
36 M	1,2-Dichloroethane	0.504	0.583	-15.7	130	0.00
37 M	Trichloroethene	0.361	0.354	1.9	111	0.00
38	Methylcyclohexane	0.481	0.475	1.2	107	0.00
39 M	1,2-Dichloropropane	0.394	0.424	-7.6	117	0.00
40	Dibromomethane	0.260	0.281	-8.1	119	0.00
41 M	Bromodichloromethane	0.518	0.578	-11.6	121	0.00
42 M	Vinyl Acetate	0.575	0.693	-20.5	109	0.00
43	Ethyl Acetate	0.459	0.500	-8.9	105	0.00
44	Isopropyl Acetate	0.827	0.836	-1.1	112	0.00
45 T	1,4-Dioxane	0.008	0.007	12.5	98	0.00
46	Methyl methacrylate	0.369	0.369	0.0	107	0.00
47	n-amyl Acetate	0.581	0.608	-4.6	119	0.00
48 M	t-1,3-Dichloropropene	0.561	0.558	0.5	110	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.585	0.624	-6.7	120	0.00
50 M	1,1,2-Trichloroethane	0.365	0.377	-3.3	111	0.00
51	Ethyl methacrylate	0.563	0.498	11.5	94	0.00
52	1,3-Dichloropropane	0.623	0.678	-8.8	114	0.00
53 M	Dibromochloromethane	0.383	0.403	-5.2	115	0.00
54 M	1,2-Dibromoethane	0.370	0.369	0.3	106	0.00
55 M	2-Chloroethyl vinyl ether	0.200	0.188	6.0	103	0.00
56 M	Bromoform	0.267	0.256	4.1	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	0.551	0.573	-4.0	112	0.00
59 M	2-Hexanone	0.387	0.420	-8.5	112	0.00
60 S	4-Bromofluorobenzene	0.442	0.437	1.1	100	0.00
61 M	Tetrachloroethene	0.326	0.320	1.8	103	0.00
62 M	Toluene	1.747	1.850	-5.9	115	0.00
63 S	Toluene-d8	1.402	1.481	-5.6	111	0.00
64 M	Chlorobenzene	1.019	1.045	-2.6	113	0.00
65	1,1,1,2-Tetrachloroethane	0.390	0.407	-4.4	115	0.00
66 M	Ethyl Benzene	1.759	1.845	-4.9	112	0.00
67 M	m/p-Xylenes	0.662	0.715	-8.0	114	0.00
68 M	o-Xylene	0.638	0.665	-4.2	121	0.00
69 M	Styrene	1.018	1.077	-5.8	119	0.00
70	Isopropylbenzene	1.622	1.747	-7.7	115	0.00
71 M	1,1,2,2-Tetrachloroethane	0.607	0.633	-4.3	114	0.00
72	1,2,3-Trichloropropane	0.511	0.479	6.3	107	0.00
73	Bromobenzene	0.405	0.393	3.0	104	0.00
74	n-propylbenzene	1.848	2.070	-12.0	117	0.00
75	2-Chlorotoluene	1.185	1.250	-5.5	112	0.00
76	1,3,5-Trimethylbenzene	1.341	1.480	-10.4	115	0.00
77	t-1,4-Dichloro-2-butene	0.180	0.169	6.1	100	0.00
78	4-Chlorotoluene	1.119	1.190	-6.3	113	0.00
79	tert-butylbenzene	1.101	1.140	-3.5	105	0.00
80	1,2,4-Trimethylbenzene	1.281	1.416	-10.5	113	0.00
81	sec-Butylbenzene	1.506	1.665	-10.6	114	0.00
82	p-Isopropyltoluene	1.190	1.312	-10.3	112	0.00
83 M	1,3-Dichlorobenzene	0.644	0.698	-8.4	112	0.00
84 M	1,4-Dichlorobenzene	0.604	0.627	-3.8	106	0.00
85	n-Butylbenzene	0.906	0.996	-9.9	111	0.00
86 T	Hexachloroethane	0.236	0.286	-21.2	124	0.00
87 M	1,2-Dichlorobenzene	0.635	0.685	-7.9	110	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	93	0.00
89	1,2,4-Trichlorobenzene	0.272	0.218	19.9	87	0.00
90	Hexachlorobutadiene	0.165	0.158	4.2	108	0.00
91 M	Naphthalene	0.710	0.429	39.6#	65	0.00
92	1,2,3-Trichlorobenzene	0.272	0.218	19.9	87	0.00

(#) = Out of Range

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