

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079206.D
 Acq On : 08 Sep 2023 18:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 08 23:19:08 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	60	0.00
2 M	Dichlorodifluoromethane	1.673	1.586	5.2	61	0.00
3 M	Chloromethane	1.678	1.865	-11.1	71	0.00
4 M	Vinyl Chloride	1.660	2.195	-32.2#	85	0.00
5 M	Bromomethane	1.019	0.621	39.1#	41#	0.00
6 M	Chloroethane	1.017	1.514	-48.9#	97	0.00
7 M	Trichlorofluoromethane	1.976	3.109	-57.3#	102	0.00
8 T	Diethyl Ether	0.725	1.050	-44.8#	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.089	1.634	-50.0#	94	0.01
10 M	1,1-Dichloroethene	1.055	1.537	-45.7#	88	0.01
11	Methyl Iodide	1.329	0.608	54.3#	29#	0.00
12	Methyl Acetate	2.459	3.609	-46.8#	95	0.00
13 M	Acrolein	0.224	0.222	0.9	59	0.00
14 M	Acrylonitrile	0.721	0.948	-31.5#	84	0.00
15 M	Acetone	0.188	0.257	-36.7#	84	0.00
16 M	Carbon Disulfide	3.118	4.347	-39.4#	88	0.01
17	Allyl chloride	1.696	2.162	-27.5#	76	0.01
18 M	Methylene Chloride	1.415	2.018	-42.6#	91	0.00
19 M	trans-1,2-Dichloroethene	1.320	1.817	-37.7#	85	0.00
20 T	Diisopropyl ether	5.062	5.613	-10.9	57	0.00
21 M	1,1-Dichloroethane	2.965	3.485	-17.5	63	0.00
22 M	cis-1,2-Dichloroethene	2.065	2.158	-4.5	62	0.00
23 M	tert-Butyl Alcohol	0.278	0.338	-21.6	79	0.01
24 M	Methyl tert-Butyl Ether	4.165	5.481	-31.6#	81	0.00
25 M	Chloroform	3.576	3.716	-3.9	65	0.00
26	Cyclohexane	2.689	2.452	8.8	57	0.00
27 s	1,2-Dichloroethane-d4	2.254	2.330	-3.4	65	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	59	0.00
29	1,1-Dichloropropene	0.481	0.460	4.4	60	0.00
30 M	2-Butanone	0.242	0.227	6.2	55	0.00
31	2,2-Dichloropropane	0.480	0.452	5.8	55	0.00
32 M	1,1,1-Trichloroethane	0.567	0.596	-5.1	66	0.00
33 M	Carbon Tetrachloride	0.487	0.515	-5.7	67	0.00
34 M	Benzene	1.528	1.451	5.0	60	0.00
35	Methacrylonitrile	0.260	0.242	6.9	56	0.00
36 M	1,2-Dichloroethane	0.504	0.531	-5.4	69	0.00
37 M	Trichloroethene	0.361	0.362	-0.3	66	0.00
38	Methylcyclohexane	0.481	0.434	9.8	57	0.00
39 M	1,2-Dichloropropane	0.394	0.382	3.0	61	0.00
40	Dibromomethane	0.260	0.264	-1.5	65	0.00
41 M	Bromodichloromethane	0.518	0.548	-5.8	67	0.00
42 M	Vinyl Acetate	0.575	0.618	-7.5	57	0.00
43	Ethyl Acetate	0.459	0.477	-3.9	58	0.00
44	Isopropyl Acetate	0.827	0.767	7.3	59	0.00
45 T	1,4-Dioxane	0.008	0.007	12.5	59	0.00
46	Methyl methacrylate	0.369	0.303	17.9	51	0.00
47	n-amyl Acetate	0.581	0.534	8.1	60	0.00
48 M	t-1,3-Dichloropropene	0.561	0.517	7.8	59	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.585	0.579	1.0	64	0.00
50 M	1,1,2-Trichloroethane	0.365	0.374	-2.5	64	0.00
51	Ethyl methacrylate	0.563	0.529	6.0	58	0.00
52	1,3-Dichloropropane	0.623	0.619	0.6	60	0.00
53 M	Dibromochloromethane	0.383	0.395	-3.1	65	0.00
54 M	1,2-Dibromoethane	0.370	0.349	5.7	59	0.00
55 M	2-Chloroethyl vinyl ether	0.200	0.201	-0.5	64	0.00
56 M	Bromoform	0.267	0.271	-1.5	67	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	57	0.00
58 M	4-Methyl-2-Pentanone	0.551	0.568	-3.1	61	0.00
59 M	2-Hexanone	0.387	0.397	-2.6	58	0.00
60 S	4-Bromofluorobenzene	0.442	0.434	1.8	54	0.00
61 M	Tetrachloroethene	0.326	0.358	-9.8	63	0.00
62 M	Toluene	1.747	1.869	-7.0	64	0.00
63 S	Toluene-d8	1.402	1.537	-9.6	63	0.00
64 M	Chlorobenzene	1.019	1.011	0.8	60	0.00
65	1,1,1,2-Tetrachloroethane	0.390	0.390	0.0	60	0.00
66 M	Ethyl Benzene	1.759	1.731	1.6	57	0.00
67 M	m/p-Xylenes	0.662	0.661	0.2	58	0.00
68 M	o-Xylene	0.638	0.662	-3.8	66	0.00
69 M	Styrene	1.018	1.060	-4.1	64	0.00
70	Isopropylbenzene	1.622	1.640	-1.1	59	0.00
71 M	1,1,2,2-Tetrachloroethane	0.607	0.596	1.8	59	0.00
72	1,2,3-Trichloropropane	0.511	0.504	1.4	62	0.00
73	Bromobenzene	0.405	0.426	-5.2	62	0.00
74	n-propylbenzene	1.848	1.848	0.0	57	0.00
75	2-Chlorotoluene	1.185	1.177	0.7	58	0.00
76	1,3,5-Trimethylbenzene	1.341	1.402	-4.5	59	0.00
77	t-1,4-Dichloro-2-butene	0.180	0.142	21.1	46#	0.00
78	4-Chlorotoluene	1.119	1.111	0.7	58	0.00
79	tert-butylbenzene	1.101	1.171	-6.4	59	0.00
80	1,2,4-Trimethylbenzene	1.281	1.362	-6.3	60	0.00
81	sec-Butylbenzene	1.506	1.594	-5.8	60	0.00
82	p-Isopropyltoluene	1.190	1.257	-5.6	59	0.00
83 M	1,3-Dichlorobenzene	0.644	0.691	-7.3	61	0.00
84 M	1,4-Dichlorobenzene	0.604	0.648	-7.3	60	0.00
85	n-Butylbenzene	0.906	0.906	0.0	56	0.00
86 T	Hexachloroethane	0.236	0.248	-5.1	59	0.00
87 M	1,2-Dichlorobenzene	0.635	0.685	-7.9	60	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.106	-2.9	58	0.00
89	1,2,4-Trichlorobenzene	0.272	0.265	2.6	58	0.00
90	Hexachlorobutadiene	0.165	0.176	-6.7	66	0.00
91 M	Naphthalene	0.710	0.575	19.0	48#	0.00
92	1,2,3-Trichlorobenzene	0.272	0.265	2.6	58	0.00

(#) = Out of Range

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