

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091923\
 Data File : VN079304.D
 Acq On : 19 Sep 2023 17:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 20 03:52:42 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	121	0.00
2 M	Dichlorodifluoromethane	1.673	1.660	0.8	128	0.00
3 M	Chloromethane	1.678	2.009	-19.7	153#	0.00
4 M	Vinyl Chloride	1.660	2.271	-36.8#	176#	0.00
5 M	Bromomethane	1.019	1.283	-25.9#	168#	0.00
6 M	Chloroethane	1.017	1.576	-55.0#	202#	0.00
7 M	Trichlorofluoromethane	1.976	2.812	-42.3#	185#	0.00
8 T	Diethyl Ether	0.725	1.001	-38.1#	170#	0.00
9	1,1,2-Trichlorotrifluoroeth	1.089	1.581	-45.2#	183#	0.01
10 M	1,1-Dichloroethene	1.055	1.413	-33.9#	163#	0.00
11	Methyl Iodide	1.329	1.463	-10.1	139	0.00
12	Methyl Acetate	2.459	3.317	-34.9#	174#	-0.01
13 M	Acrolein	0.224	0.213	4.9	113	0.00
14 M	Acrylonitrile	0.721	0.847	-17.5	150#	0.00
15 M	Acetone	0.188	0.276	-46.8#	181#	0.00
16 M	Carbon Disulfide	3.118	4.026	-29.1#	163#	0.00
17	Allyl chloride	1.696	2.220	-30.9#	156#	0.00
18 M	Methylene Chloride	1.415	1.902	-34.4#	172#	0.00
19 M	trans-1,2-Dichloroethene	1.320	1.609	-21.9	151#	-0.01
20 T	Diisopropyl ether	5.062	5.777	-14.1	118	-0.01
21 M	1,1-Dichloroethane	2.965	3.369	-13.6	122	0.00
22 M	cis-1,2-Dichloroethene	2.065	1.943	5.9	112	0.00
23 M	tert-Butyl Alcohol	0.278	0.236	15.1	111	0.00
24 M	Methyl tert-Butyl Ether	4.165	5.077	-21.9	150	0.00
25 M	Chloroform	3.576	3.522	1.5	124	0.00
26	Cyclohexane	2.689	2.432	9.6	113	0.00
27 s	1,2-Dichloroethane-d4	2.254	2.485	-10.2	138	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	122	0.00
29	1,1-Dichloropropene	0.481	0.448	6.9	121	0.00
30 M	2-Butanone	0.242	0.218	9.9	108	0.00
31	2,2-Dichloropropane	0.480	0.496	-3.3	125	0.00
32 M	1,1,1-Trichloroethane	0.567	0.528	6.9	121	0.00
33 M	Carbon Tetrachloride	0.487	0.447	8.2	120	0.00
34 M	Benzene	1.528	1.351	11.6	115	0.00
35	Methacrylonitrile	0.260	0.239	8.1	114	-0.01
36 M	1,2-Dichloroethane	0.504	0.486	3.6	130	0.00
37 M	Trichloroethene	0.361	0.308	14.7	116	0.00
38	Methylcyclohexane	0.481	0.428	11.0	115	0.00
39 M	1,2-Dichloropropane	0.394	0.349	11.4	115	0.00
40	Dibromomethane	0.260	0.241	7.3	121	0.00
41 M	Bromodichloromethane	0.518	0.505	2.5	126	0.00
42 M	Vinyl Acetate	0.575	0.597	-3.8	113	0.00
43	Ethyl Acetate	0.459	0.427	7.0	107	-0.01
44	Isopropyl Acetate	0.827	0.707	14.5	113	0.00
45 T	1,4-Dioxane	0.008	0.005	37.5#	89	0.00
46	Methyl methacrylate	0.369	0.323	12.5	112	0.00
47	n-amyl Acetate	0.581	0.580	0.2	135	0.00
48 M	t-1,3-Dichloropropene	0.561	0.507	9.6	120	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.585	0.536	8.4	123	0.00
50 M	1,1,2-Trichloroethane	0.365	0.358	1.9	126	0.00
51	Ethyl methacrylate	0.563	0.473	16.0	106	0.00
52	1,3-Dichloropropane	0.623	0.611	1.9	123	0.00
53 M	Dibromochloromethane	0.383	0.369	3.7	126	0.00
54 M	1,2-Dibromoethane	0.370	0.350	5.4	121	0.00
55 M	2-Chloroethyl vinyl ether	0.200	0.164	18.0	107	0.00
56 M	Bromoform	0.267	0.241	9.7	124	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	137	0.00
58 M	4-Methyl-2-Pentanone	0.551	0.432	21.6	111	0.00
59 M	2-Hexanone	0.387	0.329	15.0	115	0.00
60 S	4-Bromofluorobenzene	0.442	0.401	9.3	121	0.00
61 M	Tetrachloroethene	0.326	0.295	9.5	125	0.00
62 M	Toluene	1.747	1.434	17.9	117	0.00
63 S	Toluene-d8	1.402	1.322	5.7	130	0.00
64 M	Chlorobenzene	1.019	0.921	9.6	131	0.00
65	1,1,1,2-Tetrachloroethane	0.390	0.356	8.7	132	0.00
66 M	Ethyl Benzene	1.759	1.655	5.9	132	0.00
67 M	m/p-Xylenes	0.662	0.623	5.9	130	0.00
68 M	o-Xylene	0.638	0.588	7.8	140	0.00
69 M	Styrene	1.018	0.965	5.2	140	0.00
70	Isopropylbenzene	1.622	1.404	13.4	122	0.00
71 M	1,1,2,2-Tetrachloroethane	0.607	0.481	20.8	114	0.00
72	1,2,3-Trichloropropane	0.511	0.382	25.2#	112	0.00
73	Bromobenzene	0.405	0.316	22.0	110	0.00
74	n-propylbenzene	1.848	1.652	10.6	123	0.00
75	2-Chlorotoluene	1.185	1.007	15.0	118	0.00
76	1,3,5-Trimethylbenzene	1.341	1.187	11.5	121	0.00
77	t-1,4-Dichloro-2-butene	0.180	0.129	28.3#	100	0.00
78	4-Chlorotoluene	1.119	0.953	14.8	119	0.00
79	tert-butylbenzene	1.101	0.935	15.1	113	0.00
80	1,2,4-Trimethylbenzene	1.281	1.137	11.2	119	0.00
81	sec-Butylbenzene	1.506	1.374	8.8	124	0.00
82	p-Isopropyltoluene	1.190	1.105	7.1	124	0.00
83 M	1,3-Dichlorobenzene	0.644	0.551	14.4	116	0.00
84 M	1,4-Dichlorobenzene	0.604	0.522	13.6	116	0.00
85	n-Butylbenzene	0.906	0.923	-1.9	136	0.00
86 T	Hexachloroethane	0.236	0.217	8.1	123	0.00
87 M	1,2-Dichlorobenzene	0.635	0.528	16.9	111	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.073	29.1#	96	0.00
89	1,2,4-Trichlorobenzene	0.272	0.188	30.9#	98	0.00
90	Hexachlorobutadiene	0.165	0.141	14.5	127	0.00
91 M	Naphthalene	0.710	0.401	43.5#	80	0.00
92	1,2,3-Trichlorobenzene	0.272	0.188	30.9#	98	0.00

(#) = Out of Range

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