

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082038.D
 Acq On : 08 May 2024 19:37
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 09 01:06:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 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	61	0.01
2 M	Dichlorodifluoromethane	1.703	1.746	-2.5	63	0.00
3 M	Chloromethane	1.975	2.069	-4.8	66	0.00
4 M	Vinyl Chloride	1.866	2.061	-10.5	70	0.00
5 M	Bromomethane	0.974	0.893	8.3	56	0.00
6 M	Chloroethane	1.056	1.332	-26.1#	76	0.00
7 M	Trichlorofluoromethane	2.730	2.816	-3.2	63	0.00
8 T	Diethyl Ether	1.322	1.384	-4.7	63	0.00
9	1,1,2-Trichlorotrifluoroeth	1.872	1.808	3.4	58	0.00
10 M	1,1-Dichloroethene	1.831	1.873	-2.3	64	0.00
11	Methyl Iodide	1.673	1.617	3.3	68	0.00
12	Methyl Acetate	2.293	3.079	-34.3#	84	0.00
13 M	Acrolein	0.487	0.294	39.6#	39#	0.01
14 M	Acrylonitrile	1.046	1.260	-20.5	74	0.00
15 M	Acetone	0.234	0.279	-19.2	71	0.00
16 M	Carbon Disulfide	5.073	4.453	12.2	56	0.00
17	Allyl chloride	3.215	3.464	-7.7	64	0.01
18 M	Methylene Chloride	2.083	2.237	-7.4	68	-0.01
19 M	trans-1,2-Dichloroethene	1.906	1.845	3.2	63	0.00
20 T	Diisopropyl ether	7.112	8.062	-13.4	70	0.00
21 M	1,1-Dichloroethane	3.766	4.252	-12.9	68	0.00
22 M	cis-1,2-Dichloroethene	2.322	2.588	-11.5	70	0.00
23 M	tert-Butyl Alcohol	0.431	0.467	-8.4	63	0.02
24 M	Methyl tert-Butyl Ether	6.601	7.014	-6.3	64	0.00
25 M	Chloroform	3.623	4.162	-14.9	70	0.00
26	Cyclohexane	3.257	3.307	-1.5	64	0.00
27 s	1,2-Dichloroethane-d4	2.512	2.680	-6.7	66	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	63	0.00
29	1,1-Dichloropropene	0.447	0.447	0.0	64	0.00
30 M	2-Butanone	0.230	0.264	-14.8	71	0.00
31	2,2-Dichloropropane	0.458	0.518	-13.1	74	0.00
32 M	1,1,1-Trichloroethane	0.514	0.526	-2.3	65	0.00
33 M	Carbon Tetrachloride	0.417	0.423	-1.4	64	0.00
34 M	Benzene	1.425	1.521	-6.7	67	0.00
35	Methacrylonitrile	0.291	0.322	-10.7	71	0.00
36 M	1,2-Dichloroethane	0.478	0.518	-8.4	69	0.00
37 M	Trichloroethene	0.349	0.299	14.3	55	0.00
38	Methylcyclohexane	0.540	0.527	2.4	62	0.00
39 M	1,2-Dichloropropane	0.366	0.419	-14.5	75	0.00
40	Dibromomethane	0.235	0.260	-10.6	72	0.00
41 M	Bromodichloromethane	0.502	0.533	-6.2	69	0.00
42 M	Vinyl Acetate	0.980	1.066	-8.8	70	0.00
43	Ethyl Acetate	0.502	0.499	0.6	65	0.01
44	Isopropyl Acetate	0.891	1.008	-13.1	72	0.00
45 T	1,4-Dioxane	0.007	0.008	-14.3	70	0.00
46	Methyl methacrylate	0.407	0.476	-17.0	75	0.00
47	n-amyl Acetate	0.804	0.861	-7.1	69	0.00
48 M	t-1,3-Dichloropropene	0.544	0.551	-1.3	66	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.576	0.618	-7.3	69	0.00
50 M	1,1,2-Trichloroethane	0.319	0.363	-13.8	72	0.00
51	Ethyl methacrylate	0.601	0.627	-4.3	67	0.00
52	1,3-Dichloropropane	0.585	0.638	-9.1	70	0.00
53 M	Dibromochloromethane	0.347	0.344	0.9	66	0.00
54 M	1,2-Dibromoethane	0.318	0.341	-7.2	68	0.00
55 M	2-Chloroethyl vinyl ether	0.301	0.314	-4.3	66	0.00
56 M	Bromoform	0.211	0.192	9.0	58	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	65	0.00
58 M	4-Methyl-2-Pentanone	0.583	0.670	-14.9	73	0.00
59 M	2-Hexanone	0.432	0.498	-15.3	73	0.00
60 S	4-Bromofluorobenzene	0.499	0.487	2.4	64	0.00
61 M	Tetrachloroethene	0.333	0.275	17.4	51	0.00
62 M	Toluene	1.688	1.726	-2.3	66	0.00
63 S	Toluene-d8	1.425	1.440	-1.1	65	0.00
64 M	Chlorobenzene	1.032	1.084	-5.0	67	0.00
65	1,1,1,2-Tetrachloroethane	0.338	0.334	1.2	63	0.00
66 M	Ethyl Benzene	1.850	1.929	-4.3	65	0.00
67 M	m/p-Xylenes	0.686	0.695	-1.3	64	0.00
68 M	o-Xylene	0.679	0.715	-5.3	66	0.00
69 M	Styrene	1.139	1.173	-3.0	66	0.00
70	Isopropylbenzene	1.724	1.758	-2.0	64	0.00
71 M	1,1,2,2-Tetrachloroethane	0.496	0.614	-23.8	77	0.00
72	1,2,3-Trichloropropane	0.464	0.513	-10.6	72	0.00
73	Bromobenzene	0.369	0.361	2.2	64	0.00
74	n-propylbenzene	2.034	2.135	-5.0	66	0.00
75	2-Chlorotoluene	1.258	1.258	0.0	64	0.00
76	1,3,5-Trimethylbenzene	1.395	1.377	1.3	62	0.00
77	t-1,4-Dichloro-2-butene	0.206	0.207	-0.5	65	0.00
78	4-Chlorotoluene	1.233	1.252	-1.5	66	0.00
79	tert-butylbenzene	1.201	1.199	0.2	63	0.00
80	1,2,4-Trimethylbenzene	1.401	1.421	-1.4	65	0.00
81	sec-Butylbenzene	1.684	1.772	-5.2	68	0.00
82	p-Isopropyltoluene	1.332	1.343	-0.8	63	0.00
83 M	1,3-Dichlorobenzene	0.664	0.655	1.4	62	0.00
84 M	1,4-Dichlorobenzene	0.668	0.667	0.1	64	0.00
85	n-Butylbenzene	1.216	1.249	-2.7	67	0.00
86 T	Hexachloroethane	0.266	0.262	1.5	63	0.00
87 M	1,2-Dichlorobenzene	0.662	0.664	-0.3	64	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.116	-4.5	63	0.00
89	1,2,4-Trichlorobenzene	0.364	0.338	7.1	61	0.00
90	Hexachlorobutadiene	0.135	0.106	21.5	53	0.00
91 M	Naphthalene	1.385	1.318	4.8	61	0.00
92	1,2,3-Trichlorobenzene	0.364	0.338	7.1	61	0.00

(#) = Out of Range

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