

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082087.D
 Acq On : 13 May 2024 10:23
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 14 11:34:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 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	64	0.00
2 M	Dichlorodifluoromethane	1.703	1.523	10.6	57	0.00
3 M	Chloromethane	1.975	1.987	-0.6	66	0.00
4 M	Vinyl Chloride	1.866	1.914	-2.6	68	0.00
5 M	Bromomethane	0.974	1.015	-4.2	66	0.05
6 M	Chloroethane	1.056	1.236	-17.0	74	0.02
7 M	Trichlorofluoromethane	2.730	2.577	5.6	60	0.02
8 T	Diethyl Ether	1.322	1.301	1.6	62	0.00
9	1,1,2-Trichlorotrifluoroeth	1.874	1.715	8.5	57	0.01
10 M	1,1-Dichloroethene	1.833	1.722	6.1	61	0.02
11	Methyl Iodide	1.675	1.519	9.3	66	0.01
12	Methyl Acetate	2.344	2.957	-26.2#	84	0.00
13 M	Acrolein	0.488	0.259	46.9#	36#	0.01
14 M	Acrylonitrile	1.046	1.208	-15.5	74	0.00
15 M	Acetone	0.236	0.266	-12.7	70	-0.01
16 M	Carbon Disulfide	5.073	4.138	18.4	54	0.00
17	Allyl chloride	3.281	3.266	0.5	61	0.00
18 M	Methylene Chloride	2.083	2.115	-1.5	67	0.00
19 M	trans-1,2-Dichloroethene	1.908	1.824	4.4	65	0.00
20 T	Diisopropyl ether	7.112	7.804	-9.7	71	0.00
21 M	1,1-Dichloroethane	3.766	4.044	-7.4	68	0.00
22 M	cis-1,2-Dichloroethene	2.331	2.387	-2.4	68	0.00
23 M	tert-Butyl Alcohol	0.431	0.444	-3.0	63	0.00
24 M	Methyl tert-Butyl Ether	6.602	6.808	-3.1	65	0.00
25 M	Chloroform	3.623	3.932	-8.5	69	0.00
26	Cyclohexane	3.237	3.178	1.8	64	0.00
27 s	1,2-Dichloroethane-d4	2.512	2.725	-8.5	70	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	65	0.00
29	1,1-Dichloropropene	0.447	0.428	4.3	63	0.00
30 M	2-Butanone	0.230	0.254	-10.4	70	0.00
31	2,2-Dichloropropane	0.458	0.553	-20.7	81	0.00
32 M	1,1,1-Trichloroethane	0.514	0.517	-0.6	65	0.00
33 M	Carbon Tetrachloride	0.417	0.406	2.6	63	0.00
34 M	Benzene	1.425	1.471	-3.2	66	0.00
35	Methacrylonitrile	0.291	0.297	-2.1	67	0.00
36 M	1,2-Dichloroethane	0.478	0.492	-2.9	68	0.00
37 M	Trichloroethene	0.349	0.299	14.3	56	0.00
38	Methylcyclohexane	0.540	0.498	7.8	60	0.00
39 M	1,2-Dichloropropane	0.366	0.386	-5.5	71	0.00
40	Dibromomethane	0.235	0.241	-2.6	68	0.00
41 M	Bromodichloromethane	0.502	0.524	-4.4	70	0.00
42 M	Vinyl Acetate	0.980	1.110	-13.3	75	0.00
43	Ethyl Acetate	0.504	0.527	-4.6	70	0.00
44	Isopropyl Acetate	0.891	1.071	-20.2	78	0.00
45 T	1,4-Dioxane	0.007	0.007	0.0	66	0.00
46	Methyl methacrylate	0.407	0.435	-6.9	70	0.00
47	n-amyl Acetate	0.804	0.782	2.7	65	0.00
48 M	t-1,3-Dichloropropene	0.544	0.536	1.5	66	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.576	0.584	-1.4	67	0.00
50 M	1,1,2-Trichloroethane	0.319	0.338	-6.0	69	0.00
51	Ethyl methacrylate	0.601	0.577	4.0	63	0.00
52	1,3-Dichloropropane	0.585	0.606	-3.6	68	0.00
53 M	Dibromochloromethane	0.347	0.319	8.1	63	0.00
54 M	1,2-Dibromoethane	0.318	0.316	0.6	65	0.00
55 M	2-Chloroethyl vinyl ether	0.301	0.312	-3.7	67	0.00
56 M	Bromoform	0.211	0.172	18.5	54	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	65	0.00
58 M	4-Methyl-2-Pentanone	0.582	0.653	-12.2	71	0.00
59 M	2-Hexanone	0.432	0.480	-11.1	71	0.00
60 S	4-Bromofluorobenzene	0.499	0.491	1.6	65	0.00
61 M	Tetrachloroethene	0.333	0.299	10.2	56	0.00
62 M	Toluene	1.688	1.699	-0.7	65	0.00
63 S	Toluene-d8	1.425	1.475	-3.5	67	0.00
64 M	Chlorobenzene	1.032	1.005	2.6	62	0.00
65	1,1,1,2-Tetrachloroethane	0.338	0.321	5.0	61	0.00
66 M	Ethyl Benzene	1.850	1.801	2.6	61	0.00
67 M	m/p-Xylenes	0.686	0.669	2.5	62	0.00
68 M	o-Xylene	0.679	0.631	7.1	58	0.00
69 M	Styrene	1.139	1.094	4.0	62	0.00
70	Isopropylbenzene	1.724	1.627	5.6	60	0.00
71 M	1,1,2,2-Tetrachloroethane	0.496	0.547	-10.3	69	0.00
72	1,2,3-Trichloropropane	0.406	0.473	-16.5	78	0.00
73	Bromobenzene	0.369	0.360	2.4	64	0.00
74	n-propylbenzene	2.035	2.015	1.0	63	0.00
75	2-Chlorotoluene	1.258	1.185	5.8	60	0.00
76	1,3,5-Trimethylbenzene	1.395	1.344	3.7	61	0.00
77	t-1,4-Dichloro-2-butene	0.207	0.197	4.8	63	0.00
78	4-Chlorotoluene	1.233	1.174	4.8	62	0.00
79	tert-butylbenzene	1.201	1.083	9.8	57	0.00
80	1,2,4-Trimethylbenzene	1.401	1.322	5.6	61	0.00
81	sec-Butylbenzene	1.684	1.582	6.1	61	0.00
82	p-Isopropyltoluene	1.332	1.268	4.8	60	0.00
83 M	1,3-Dichlorobenzene	0.664	0.637	4.1	61	0.00
84 M	1,4-Dichlorobenzene	0.668	0.647	3.1	62	0.00
85	n-Butylbenzene	1.216	1.190	2.1	64	0.00
86 T	Hexachloroethane	0.266	0.245	7.9	59	0.00
87 M	1,2-Dichlorobenzene	0.662	0.648	2.1	63	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.100	9.9	55	-0.01
89	1,2,4-Trichlorobenzene	0.364	0.336	7.7	61	0.00
90	Hexachlorobutadiene	0.135	0.112	17.0	56	0.00
91 M	Naphthalene	1.385	1.259	9.1	58	0.00
92	1,2,3-Trichlorobenzene	0.364	0.336	7.7	61	0.00

(#) = Out of Range

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