

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
 Data File : VN082015.D
 Acq On : 07 May 2024 09:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 07:55:53 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	80	0.00
2 M	Dichlorodifluoromethane	1.703	1.504	11.7	71	0.00
3 M	Chloromethane	1.975	1.898	3.9	79	0.00
4 M	Vinyl Chloride	1.866	1.789	4.1	79	0.00
5 M	Bromomethane	0.974	0.823	15.5	67	0.00
6 M	Chloroethane	1.056	1.163	-10.1	87	0.00
7 M	Trichlorofluoromethane	2.730	2.471	9.5	72	0.00
8 T	Diethyl Ether	1.322	1.243	6.0	75	0.00
9	1,1,2-Trichlorotrifluoroeth	1.872	1.671	10.7	70	0.01
10 M	1,1-Dichloroethene	1.831	1.678	8.4	75	0.00
11	Methyl Iodide	1.673	1.330	20.5	73	0.00
12	Methyl Acetate	2.293	2.501	-9.1	89	0.00
13 M	Acrolein	0.487	0.326	33.1#	56	0.00
14 M	Acrylonitrile	1.046	1.048	-0.2	80	0.00
15 M	Acetone	0.234	0.231	1.3	77	0.00
16 M	Carbon Disulfide	5.073	4.239	16.4	70	0.00
17	Allyl chloride	3.215	2.938	8.6	71	0.00
18 M	Methylene Chloride	2.083	2.035	2.3	81	0.00
19 M	trans-1,2-Dichloroethene	1.906	1.766	7.3	78	-0.02
20 T	Diisopropyl ether	7.112	7.063	0.7	80	0.00
21 M	1,1-Dichloroethane	3.766	3.826	-1.6	80	0.00
22 M	cis-1,2-Dichloroethene	2.322	2.246	3.3	80	0.00
23 M	tert-Butyl Alcohol	0.431	0.383	11.1	68	0.02
24 M	Methyl tert-Butyl Ether	6.601	6.297	4.6	75	0.00
25 M	Chloroform	3.623	3.482	3.9	77	0.00
26	Cyclohexane	3.257	3.006	7.7	76	0.00
27 s	1,2-Dichloroethane-d4	2.512	2.586	-2.9	83	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	80	0.00
29	1,1-Dichloropropene	0.447	0.421	5.8	76	0.00
30 M	2-Butanone	0.230	0.224	2.6	77	0.00
31	2,2-Dichloropropane	0.458	0.509	-11.1	92	0.00
32 M	1,1,1-Trichloroethane	0.514	0.482	6.2	75	0.00
33 M	Carbon Tetrachloride	0.417	0.380	8.9	73	0.00
34 M	Benzene	1.425	1.443	-1.3	80	0.00
35	Methacrylonitrile	0.291	0.269	7.6	75	0.00
36 M	1,2-Dichloroethane	0.478	0.460	3.8	78	0.00
37 M	Trichloroethene	0.349	0.276	20.9	64	0.00
38	Methylcyclohexane	0.540	0.509	5.7	76	0.00
39 M	1,2-Dichloropropane	0.366	0.381	-4.1	87	0.00
40	Dibromomethane	0.235	0.238	-1.3	84	0.00
41 M	Bromodichloromethane	0.502	0.489	2.6	80	0.00
42 M	Vinyl Acetate	0.980	0.931	5.0	78	0.00
43	Ethyl Acetate	0.502	0.487	3.0	80	0.01
44	Isopropyl Acetate	0.891	0.862	3.3	78	0.00
45 T	1,4-Dioxane	0.007	0.007	0.0	74	0.00
46	Methyl methacrylate	0.407	0.392	3.7	78	0.00
47	n-amyl Acetate	0.804	0.766	4.7	78	0.00
48 M	t-1,3-Dichloropropene	0.544	0.509	6.4	78	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.576	0.572	0.7	81	0.00
50 M	1,1,2-Trichloroethane	0.319	0.331	-3.8	83	0.00
51	Ethyl methacrylate	0.601	0.574	4.5	78	0.00
52	1,3-Dichloropropane	0.585	0.592	-1.2	82	0.00
53 M	Dibromochloromethane	0.347	0.322	7.2	78	0.00
54 M	1,2-Dibromoethane	0.318	0.305	4.1	77	0.00
55 M	2-Chloroethyl vinyl ether	0.301	0.321	-6.6	85	0.00
56 M	Bromoform	0.211	0.182	13.7	70	0.00

57 I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
58 M	4-Methyl-2-Pentanone	0.583	0.556	4.6	78	0.00
59 M	2-Hexanone	0.432	0.412	4.6	78	0.00
60 S	4-Bromofluorobenzene	0.499	0.463	7.2	79	0.00
61 M	Tetrachloroethene	0.333	0.268	19.5	64	0.00
62 M	Toluene	1.688	1.618	4.1	79	0.00
63 S	Toluene-d8	1.425	1.430	-0.4	83	0.00
64 M	Chlorobenzene	1.032	0.962	6.8	76	0.00
65	1,1,1,2-Tetrachloroethane	0.338	0.306	9.5	74	0.00
66 M	Ethyl Benzene	1.850	1.749	5.5	76	0.00
67 M	m/p-Xylenes	0.686	0.636	7.3	76	0.00
68 M	o-Xylene	0.679	0.637	6.2	75	0.00
69 M	Styrene	1.139	1.034	9.2	75	0.00
70	Isopropylbenzene	1.724	1.564	9.3	73	0.00
71 M	1,1,2,2-Tetrachloroethane	0.496	0.499	-0.6	80	0.00
72	1,2,3-Trichloropropane	0.464	0.460	0.9	83	0.00
73	Bromobenzene	0.369	0.328	11.1	75	0.00
74	n-propylbenzene	2.034	1.933	5.0	77	0.00
75	2-Chlorotoluene	1.258	1.167	7.2	76	0.00
76	1,3,5-Trimethylbenzene	1.395	1.293	7.3	75	0.00
77	t-1,4-Dichloro-2-butene	0.206	0.199	3.4	81	0.00
78	4-Chlorotoluene	1.233	1.141	7.5	77	0.00
79	tert-butylbenzene	1.201	1.084	9.7	73	0.00
80	1,2,4-Trimethylbenzene	1.401	1.297	7.4	77	0.00
81	sec-Butylbenzene	1.684	1.600	5.0	78	0.00
82	p-Isopropyltoluene	1.332	1.234	7.4	75	0.00
83 M	1,3-Dichlorobenzene	0.664	0.614	7.5	75	0.00
84 M	1,4-Dichlorobenzene	0.668	0.606	9.3	75	0.00
85	n-Butylbenzene	1.216	1.134	6.7	79	0.00
86 T	Hexachloroethane	0.266	0.238	10.5	73	0.00
87 M	1,2-Dichlorobenzene	0.662	0.610	7.9	76	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.097	12.6	68	0.00
89	1,2,4-Trichlorobenzene	0.364	0.288	20.9	66	0.00
90	Hexachlorobutadiene	0.135	0.101	25.2#	65	0.00
91 M	Naphthalene	1.385	1.148	17.1	68	0.00
92	1,2,3-Trichlorobenzene	0.364	0.288	20.9	66	0.00

(#) = Out of Range

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