

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077665.D
 Acq On : 12 May 2023 11:01
 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 15 01:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 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	93	0.00
2 M	Dichlorodifluoromethane	1.970	1.783	9.5	85	-0.01
3 M	Chloromethane	1.497	1.415	5.5	93	-0.01
4 M	Vinyl Chloride	2.303	1.874	18.6	81	-0.01
5 M	Bromomethane	1.535	1.435	6.5	93	0.00
6 M	Chloroethane	1.505	1.121	25.5#	77	0.00
7 M	Trichlorofluoromethane	3.133	2.911	7.1	87	0.00
8 T	Diethyl Ether	0.987	0.995	-0.8	103	-0.01
9	1,1,2-Trichlorotrifluoroeth	1.691	1.653	2.2	100	0.00
10 M	1,1-Dichloroethene	1.598	1.562	2.3	100	0.00
11	Methyl Iodide	2.486	2.298	7.6	94	-0.01
12	Methyl Acetate	1.932	2.208	-14.3	111	-0.02
13 M	Acrolein	0.237	0.261	-10.1	114	-0.02
14 M	Acrylonitrile	0.588	0.657	-11.7	108	-0.01
15 M	Acetone	0.178	0.206	-15.7	113	-0.01
16 M	Carbon Disulfide	3.840	3.468	9.7	95	0.00
17	Allyl chloride	1.659	1.658	0.1	102	0.00
18 M	Methylene Chloride	1.943	1.796	7.6	95	-0.02
19 M	trans-1,2-Dichloroethene	1.798	1.747	2.8	96	0.00
20 T	Diisopropyl ether	4.035	3.994	1.0	93	-0.01
21 M	1,1-Dichloroethane	2.960	2.822	4.7	93	-0.01
22 M	cis-1,2-Dichloroethene	2.167	2.053	5.3	92	-0.01
23 M	tert-Butyl Alcohol	0.230	0.243	-5.7	100	-0.02
24 M	Methyl tert-Butyl Ether	5.410	5.088	6.0	90	-0.01
25 M	Chloroform	3.528	3.320	5.9	90	0.00
26	Cyclohexane	2.430	2.197	9.6	88	0.00
27 s	1,2-Dichloroethane-d4	2.157	2.058	4.6	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29	1,1-Dichloropropene	0.432	0.393	9.0	91	0.00
30 M	2-Butanone	0.115	0.140	-21.7	115	-0.01
31	2,2-Dichloropropane	0.503	0.421	16.3	84	0.00
32 M	1,1,1-Trichloroethane	0.559	0.499	10.7	90	0.00
33 M	Carbon Tetrachloride	0.473	0.441	6.8	92	0.00
34 M	Benzene	1.304	1.235	5.3	93	0.00
35	Methacrylonitrile	0.131	0.140	-6.9	96	0.00
36 M	1,2-Dichloroethane	0.435	0.404	7.1	91	0.00
37 M	Trichloroethene	0.337	0.337	0.0	101	0.00
38	Methylcyclohexane	0.556	0.483	13.1	88	0.00
39 M	1,2-Dichloropropane	0.302	0.277	8.3	89	0.00
40	Dibromomethane	0.238	0.221	7.1	91	0.00
41 M	Bromodichloromethane	0.479	0.426	11.1	87	0.00
42 M	Vinyl Acetate	0.427	0.368	13.8	83	0.00
43	Ethyl Acetate	0.247	0.268	-8.5	106	0.00
44	Isopropyl Acetate	0.453	0.448	1.1	96	0.00
45 T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
46	Methyl methacrylate	0.203	0.220	-8.4	98	0.00
47	n-amyl Acetate	0.390	0.355	9.0	87	0.00
48 M	t-1,3-Dichloropropene	0.483	0.402	16.8	83	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.530	0.457	13.8	86	0.00
50 M	1,1,2-Trichloroethane	0.343	0.328	4.4	93	0.00
51	Ethyl methacrylate	0.442	0.424	4.1	93	0.00
52	1,3-Dichloropropane	0.554	0.512	7.6	91	0.00
53 M	Dibromochloromethane	0.357	0.339	5.0	91	0.00
54 M	1,2-Dibromoethane	0.340	0.334	1.8	94	0.00
55 M	2-Chloroethyl vinyl ether	0.200	0.192	4.0	89	0.00
56 M	Bromoform	0.210	0.232	-10.5	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.276	0.313	-13.4	104	0.00
59 M	2-Hexanone	0.199	0.228	-14.6	107	0.00
60 S	4-Bromofluorobenzene	0.477	0.456	4.4	91	0.00
61 M	Tetrachloroethene	0.290	0.319	-10.0	107	0.00
62 M	Toluene	1.661	1.551	6.6	92	0.00
63 S	Toluene-d8	1.386	1.342	3.2	92	0.00
64 M	Chlorobenzene	1.021	0.988	3.2	95	0.00
65	1,1,1,2-Tetrachloroethane	0.368	0.370	-0.5	94	0.00
66 M	Ethyl Benzene	1.840	1.694	7.9	89	0.00
67 M	m/p-Xylenes	0.724	0.685	5.4	92	0.00
68 M	o-Xylene	0.714	0.672	5.9	91	0.00
69 M	Styrene	1.141	1.058	7.3	91	0.00
70	Isopropylbenzene	1.853	1.718	7.3	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.497	0.481	3.2	94	0.00
72	1,2,3-Trichloropropane	0.414	0.395	4.6	90	0.00
73	Bromobenzene	0.388	0.418	-7.7	106	0.00
74	n-propylbenzene	2.072	1.897	8.4	92	0.00
75	2-Chlorotoluene	1.253	1.148	8.4	90	0.00
76	1,3,5-Trimethylbenzene	1.465	1.270	13.3	86	0.00
77	t-1,4-Dichloro-2-butene	0.144	0.114	20.8	77	0.00
78	4-Chlorotoluene	1.224	1.107	9.6	90	0.00
79	tert-butylbenzene	1.312	1.263	3.7	96	0.00
80	1,2,4-Trimethylbenzene	1.422	1.133	20.3	82	0.00
81	sec-Butylbenzene	1.841	1.731	6.0	97	0.00
82	p-Isopropyltoluene	1.465	1.311	10.5	92	0.00
83 M	1,3-Dichlorobenzene	0.720	0.728	-1.1	103	0.00
84 M	1,4-Dichlorobenzene	0.705	0.695	1.4	102	0.00
85	n-Butylbenzene	1.205	0.921	23.6	86	0.00
86 T	Hexachloroethane	0.273	0.241	11.7	89	0.00
87 M	1,2-Dichlorobenzene	0.699	0.713	-2.0	102	0.00
88	1,2-Dibromo-3-Chloropropane	0.090	0.078	13.3	84	0.00
89	1,2,4-Trichlorobenzene	0.241	0.155	35.7#	75	0.00
90	Hexachlorobutadiene	0.136	0.179	-31.6#	152#	0.00
91 M	Naphthalene	0.822	0.433	47.3#	61	0.00
92	1,2,3-Trichlorobenzene	0.222	0.135	39.2#	71	0.00

(#) = Out of Range

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