

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077606.D
 Acq On : 05 May 2023 21:43
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN050523

Quant Time: May 06 05:17:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat May 06 05:13:38 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	102	0.00
2 M	Dichlorodifluoromethane	2.146	1.874	12.7	91	0.00
3 M	Chloromethane	1.668	1.575	5.6	100	0.00
4 M	Vinyl Chloride	2.112	1.897	10.2	95	0.00
5 M	Bromomethane	1.535	1.501	2.2	106	0.00
6 M	Chloroethane	1.448	1.276	11.9	95	0.00
7 M	Trichlorofluoromethane	3.174	2.925	7.8	99	0.00
8 T	Diethyl Ether	1.141	1.009	11.6	90	0.00
9	1,1,2-Trichlorotrifluoroeth	1.743	1.557	10.7	92	0.00
10 M	1,1-Dichloroethene	1.659	1.481	10.7	94	0.00
11	Methyl Iodide	2.030	1.691	16.7	90	-0.01
12	Methyl Acetate	2.877	2.711	5.8	97	0.00
13 M	Acrolein	0.328	0.276	15.9	88	0.00
14 M	Acrylonitrile	0.849	0.750	11.7	93	0.00
15 M	Acetone	0.228	0.232	-1.8	109	0.00
16 M	Carbon Disulfide	4.063	3.598	11.4	96	0.01
17	Allyl chloride	2.052	1.910	6.9	99	0.00
18 M	Methylene Chloride	1.999	1.744	12.8	91	0.00
19 M	trans-1,2-Dichloroethene	1.822	1.608	11.7	91	0.00
20 T	Diisopropyl ether	4.936	4.444	10.0	94	0.00
21 M	1,1-Dichloroethane	3.327	3.008	9.6	95	0.00
22 M	cis-1,2-Dichloroethene	2.200	1.903	13.5	91	0.00
23 M	tert-Butyl Alcohol	0.341	0.301	11.7	90	0.01
24 M	Methyl tert-Butyl Ether	6.021	5.315	11.7	92	0.01
25 M	Chloroform	3.726	3.316	11.0	92	0.00
26	Cyclohexane	2.707	2.377	12.2	94	0.00
27 s	1,2-Dichloroethane-d4	2.429	2.448	-0.8	104	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.440	0.395	10.2	92	0.00
30 M	2-Butanone	0.178	0.170	4.5	98	0.00
31	2,2-Dichloropropane	0.484	0.415	14.3	89	0.00
32 M	1,1,1-Trichloroethane	0.577	0.511	11.4	93	0.00
33 M	Carbon Tetrachloride	0.479	0.417	12.9	90	0.00
34 M	Benzene	1.356	1.197	11.7	90	0.00
35	Methacrylonitrile	0.197	0.177	10.2	92	0.00
36 M	1,2-Dichloroethane	0.482	0.430	10.8	90	0.00
37 M	Trichloroethene	0.331	0.286	13.6	89	0.00
38	Methylcyclohexane	0.552	0.464	15.9	86	0.00
39 M	1,2-Dichloropropane	0.323	0.297	8.0	94	0.00
40	Dibromomethane	0.247	0.224	9.3	92	0.00
41 M	Bromodichloromethane	0.490	0.436	11.0	91	0.00
42 M	Vinyl Acetate	0.519	0.465	10.4	92	0.00
43	Ethyl Acetate	0.366	0.314	14.2	91	0.00
44	Isopropyl Acetate	0.629	0.570	9.4	94	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	93	0.00
46	Methyl methacrylate	0.287	0.264	8.0	95	0.00
47	n-amyl Acetate	0.493	0.424	14.0	91	0.00
48 M	t-1,3-Dichloropropene	0.490	0.423	13.7	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.538	0.470	12.6	92	0.00
50 M	1,1,2-Trichloroethane	0.349	0.309	11.5	92	0.00
51	Ethyl methacrylate	0.511	0.445	12.9	92	0.00
52	1,3-Dichloropropane	0.586	0.520	11.3	91	0.00
53 M	Dibromochloromethane	0.355	0.313	11.8	91	0.00
54 M	1,2-Dibromoethane	0.353	0.315	10.8	94	0.00
55 M	2-Chloroethyl vinyl ether	0.170	0.163	4.1	104	0.00
56 M	Bromoform	0.214	0.182	15.0	92	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.419	0.401	4.3	94	0.00
59 M	2-Hexanone	0.302	0.286	5.3	93	0.00
60 S	4-Bromofluorobenzene	0.476	0.461	3.2	96	0.00
61 M	Tetrachloroethene	0.277	0.268	3.2	92	0.00
62 M	Toluene	1.687	1.528	9.4	90	0.00
63 S	Toluene-d8	1.414	1.448	-2.4	99	0.00
64 M	Chlorobenzene	1.000	0.907	9.3	90	0.00
65	1,1,1,2-Tetrachloroethane	0.365	0.342	6.3	89	0.00
66 M	Ethyl Benzene	1.824	1.617	11.3	87	0.00
67 M	m/p-Xylenes	0.696	0.621	10.8	88	0.00
68 M	o-Xylene	0.692	0.608	12.1	88	0.00
69 M	Styrene	1.090	0.942	13.6	85	0.00
70	Isopropylbenzene	1.782	1.545	13.3	85	0.00
71 M	1,1,2,2-Tetrachloroethane	0.554	0.509	8.1	92	0.00
72	1,2,3-Trichloropropane	0.477	0.446	6.5	92	0.00
73	Bromobenzene	0.368	0.326	11.4	88	0.00
74	n-propylbenzene	1.978	1.631	17.5	82	0.00
75	2-Chlorotoluene	1.231	1.033	16.1	83	0.00
76	1,3,5-Trimethylbenzene	1.380	1.096	20.6	78	0.00
77	t-1,4-Dichloro-2-butene	0.145	0.126	13.1	93	0.00
78	4-Chlorotoluene	1.164	0.991	14.9	84	0.00
79	tert-butylbenzene	1.270	1.022	19.5	80	0.00
80	1,2,4-Trimethylbenzene	1.285	0.953	25.8#	76	0.00
81	sec-Butylbenzene	1.763	1.312	25.6#	74	0.00
82	p-Isopropyltoluene	1.355	1.006	25.8#	74	0.00
83 M	1,3-Dichlorobenzene	0.657	0.545	17.0	82	0.00
84 M	1,4-Dichlorobenzene	0.647	0.534	17.5	82	0.00
85	n-Butylbenzene	1.065	0.662	37.8#	66	0.00
86 T	Hexachloroethane	0.265	0.208	21.5	80	0.00
87 M	1,2-Dichlorobenzene	0.664	0.542	18.4	81	0.00
88	1,2-Dibromo-3-Chloropropane	0.105	0.086	18.1	87	0.00
89	1,2,4-Trichlorobenzene	0.185	0.097	47.6#	71	0.00
90	Hexachlorobutadiene	0.134	0.070	47.8#	52	0.00
91 M	Naphthalene	0.674	0.347	48.5#	71	0.00
92	1,2,3-Trichlorobenzene	0.172	0.090	47.7#	69	0.00

(#) = Out of Range

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