

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079593.D
 Acq On : 17 Oct 2023 19:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 18 02:35:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 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	97	0.00
2 M	Dichlorodifluoromethane	4.351	4.081	6.2	88	0.00
3 M	Chloromethane	5.639	5.182	8.1	87	0.00
4 M	Vinyl Chloride	6.086	5.857	3.8	91	0.00
5 M	Bromomethane	3.773	3.072	18.6	78	0.00
6 M	Chloroethane	4.283	3.946	7.9	88	0.00
7 M	Trichlorofluoromethane	7.426	7.114	4.2	91	0.00
8 T	Diethyl Ether	2.691	2.420	10.1	85	0.00
9	1,1,2-Trichlorotrifluoroeth	4.249	4.016	5.5	91	0.00
10 M	1,1-Dichloroethene	4.042	3.651	9.7	85	0.00
11	Methyl Iodide	4.475	4.078	8.9	88	0.00
12	Methyl Acetate	9.745	8.666	11.1	85	0.00
13 M	Acrolein	0.806	0.717	11.0	85	0.01
14 M	Acrylonitrile	2.334	2.204	5.6	90	0.00
15 M	Acetone	0.739	0.578	21.8	73	0.00
16 M	Carbon Disulfide	12.326	11.052	10.3	86	0.00
17	Allyl chloride	6.232	5.979	4.1	87	0.00
18 M	Methylene Chloride	4.975	4.668	6.2	89	0.00
19 M	trans-1,2-Dichloroethene	4.522	4.227	6.5	91	0.00
20 T	Diisopropyl ether	14.778	14.102	4.6	88	0.00
21 M	1,1-Dichloroethane	8.980	8.631	3.9	90	0.00
22 M	cis-1,2-Dichloroethene	5.209	4.893	6.1	89	0.00
23 M	tert-Butyl Alcohol	0.780	0.623	20.1	76	0.00
24 M	Methyl tert-Butyl Ether	13.563	12.268	9.5	85	0.00
25 M	Chloroform	9.074	8.861	2.3	92	0.00
26	Cyclohexane	6.788	6.322	6.9	87	0.00
27 s	1,2-Dichloroethane-d4	4.265	4.054	4.9	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
29	1,1-Dichloropropene	0.877	0.941	-7.3	91	0.00
30 M	2-Butanone	0.439	0.417	5.0	79	0.00
31	2,2-Dichloropropane	0.988	0.920	6.9	80	0.00
32 M	1,1,1-Trichloroethane	1.042	1.081	-3.7	88	0.00
33 M	Carbon Tetrachloride	0.886	0.930	-5.0	88	0.00
34 M	Benzene	2.664	2.834	-6.4	91	0.00
35	Methacrylonitrile	0.462	0.415	10.2	75	0.00
36 M	1,2-Dichloroethane	0.951	1.018	-7.0	90	0.00
37 M	Trichloroethene	0.623	0.630	-1.1	88	0.00
38	Methylcyclohexane	0.844	0.852	-0.9	86	0.00
39 M	1,2-Dichloropropane	0.703	0.746	-6.1	90	0.00
40	Dibromomethane	0.461	0.496	-7.6	92	0.00
41 M	Bromodichloromethane	0.956	1.041	-8.9	93	0.00
42 M	Vinyl Acetate	1.115	1.103	1.1	83	0.00
43	Ethyl Acetate	0.826	0.902	-9.2	94	0.00
44	Isopropyl Acetate	1.469	1.438	2.1	86	0.00
45 T	1,4-Dioxane	0.011	0.012	-9.1	84	-0.01
46	Methyl methacrylate	0.652	0.663	-1.7	84	0.00
47	n-amyl Acetate	1.060	1.028	3.0	80	0.00
48 M	t-1,3-Dichloropropene	0.966	0.953	1.3	83	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.057	1.073	-1.5	86	0.00
50 M	1,1,2-Trichloroethane	0.640	0.689	-7.7	92	0.00
51	Ethyl methacrylate	0.883	0.831	5.9	78	0.00
52	1,3-Dichloropropane	1.134	1.183	-4.3	89	0.00
53 M	Dibromochloromethane	0.654	0.695	-6.3	89	0.00
54 M	1,2-Dibromoethane	0.631	0.648	-2.7	88	0.00
55 M	2-Chloroethyl vinyl ether	0.337	0.313	7.1	83	0.00
56 M	Bromoform	0.433	0.439	-1.4	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.700	0.720	-2.9	85	0.00
59 M	2-Hexanone	0.513	0.503	1.9	82	0.00
60 S	4-Bromofluorobenzene	0.549	0.560	-2.0	85	0.00
61 M	Tetrachloroethene	0.412	0.438	-6.3	89	0.00
62 M	Toluene	2.293	2.384	-4.0	89	0.00
63 S	Toluene-d8	1.286	1.339	-4.1	87	0.00
64 M	Chlorobenzene	1.330	1.351	-1.6	88	0.00
65	1,1,1,2-Tetrachloroethane	0.507	0.525	-3.6	88	0.00
66 M	Ethyl Benzene	2.362	2.385	-1.0	86	0.00
67 M	m/p-Xylenes	0.874	0.917	-4.9	88	0.00
68 M	o-Xylene	0.835	0.860	-3.0	88	0.00
69 M	Styrene	1.326	1.385	-4.4	86	0.00
70	Isopropylbenzene	2.144	2.222	-3.6	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.762	0.799	-4.9	89	0.00
72	1,2,3-Trichloropropane	0.692	0.708	-2.3	87	0.00
73	Bromobenzene	0.504	0.512	-1.6	85	0.00
74	n-propylbenzene	2.496	2.561	-2.6	86	0.00
75	2-Chlorotoluene	1.551	1.620	-4.4	88	0.00
76	1,3,5-Trimethylbenzene	1.752	1.839	-5.0	87	0.00
77	t-1,4-Dichloro-2-butene	0.211	0.200	5.2	78	0.00
78	4-Chlorotoluene	1.466	1.518	-3.5	86	0.00
79	tert-butylbenzene	1.409	1.475	-4.7	89	0.00
80	1,2,4-Trimethylbenzene	1.698	1.795	-5.7	88	0.00
81	sec-Butylbenzene	1.978	2.075	-4.9	89	0.00
82	p-Isopropyltoluene	1.569	1.618	-3.1	87	0.00
83 M	1,3-Dichlorobenzene	0.828	0.853	-3.0	86	0.00
84 M	1,4-Dichlorobenzene	0.794	0.806	-1.5	86	0.00
85	n-Butylbenzene	1.226	1.181	3.7	81	0.00
86 T	Hexachloroethane	0.339	0.342	-0.9	88	0.00
87 M	1,2-Dichlorobenzene	0.823	0.859	-4.4	85	0.00
88	1,2-Dibromo-3-Chloropropane	0.116	0.111	4.3	77	0.00
89	1,2,4-Trichlorobenzene	0.290	0.248	14.5	70	0.00
90	Hexachlorobutadiene	0.205	0.199	2.9	81	0.00
91 M	Naphthalene	0.748	0.500	33.2#	56	0.00
92	1,2,3-Trichlorobenzene	0.290	0.248	14.5	70	0.00

(#) = Out of Range

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