

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041423\
 Data File : VN077348.D
 Acq On : 14 Apr 2023 16:22
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 17 05:10:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 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	85	0.00
2 M	Dichlorodifluoromethane	2.852	2.707	5.1	87	0.00
3 M	Chloromethane	3.789	3.319	12.4	80	0.00
4 M	Vinyl Chloride	5.427	4.801	11.5	81	0.00
5 M	Bromomethane	4.090	3.290	19.6	80	0.01
6 M	Chloroethane	3.638	3.214	11.7	79	0.01
7 M	Trichlorofluoromethane	5.053	7.386	-46.2#	136	0.00
8 T	Diethyl Ether	2.154	1.883	12.6	79	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	2.947	6.7	84	0.00
10 M	1,1-Dichloroethene	3.161	2.813	11.0	84	0.00
11	Methyl Iodide	3.571	3.324	6.9	82	0.00
12	Methyl Acetate	4.710	4.403	6.5	85	0.00
13 M	Acrolein	0.585	0.403	31.1#	60	0.00
14 M	Acrylonitrile	1.610	1.468	8.8	84	0.01
15 M	Acetone	0.584	0.404	30.8#	54	0.00
16 M	Carbon Disulfide	8.344	6.962	16.6	78	0.00
17	Allyl chloride	4.069	3.114	23.5	67	0.00
18 M	Methylene Chloride	3.671	3.323	9.5	85	0.00
19 M	trans-1,2-Dichloroethene	3.437	3.175	7.6	86	0.00
20 T	Diisopropyl ether	9.699	8.234	15.1	79	0.00
21 M	1,1-Dichloroethane	6.147	5.481	10.8	82	0.00
22 M	cis-1,2-Dichloroethene	4.190	3.848	8.2	86	0.01
23 M	tert-Butyl Alcohol	0.716	0.663	7.4	80	0.02
24 M	Methyl tert-Butyl Ether	11.381	10.324	9.3	83	0.00
25 M	Chloroform	6.662	6.155	7.6	86	0.00
26	Cyclohexane	5.342	4.476	16.2	78	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.570	-1.0	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.650	0.569	12.5	81	0.00
30 M	2-Butanone	0.307	0.249	18.9	70	0.00
31	2,2-Dichloropropane	0.798	0.604	24.3	71	0.00
32 M	1,1,1-Trichloroethane	0.800	0.724	9.5	83	0.00
33 M	Carbon Tetrachloride	0.683	0.620	9.2	83	0.00
34 M	Benzene	2.011	1.797	10.6	82	0.00
35	Methacrylonitrile	0.290	0.252	13.1	82	0.00
36 M	1,2-Dichloroethane	0.630	0.581	7.8	84	0.00
37 M	Trichloroethene	0.492	0.454	7.7	87	0.00
38	Methylcyclohexane	0.881	0.757	14.1	80	0.00
39 M	1,2-Dichloropropane	0.499	0.447	10.4	82	0.00
40	Dibromomethane	0.360	0.338	6.1	87	0.00
41 M	Bromodichloromethane	0.717	0.652	9.1	83	0.00
42 M	Vinyl Acetate	0.889	0.850	4.4	89	0.00
43	Ethyl Acetate	0.569	0.480	15.6	78	0.00
44	Isopropyl Acetate	1.018	0.891	12.5	79	0.00
45 T	1,4-Dioxane	0.011	0.011	0.0	88	0.00
46	Methyl methacrylate	0.438	0.379	13.5	81	0.00
47	n-amyl Acetate	0.890	0.772	13.3	81	0.00
48 M	t-1,3-Dichloropropene	0.803	0.698	13.1	82	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.707	17.2	77	0.00
50 M	1,1,2-Trichloroethane	0.522	0.479	8.2	86	0.00
51	Ethyl methacrylate	0.802	0.723	9.9	84	0.00
52	1,3-Dichloropropane	0.872	0.802	8.0	86	0.00
53 M	Dibromochloromethane	0.551	0.509	7.6	86	0.00
54 M	1,2-Dibromoethane	0.524	0.486	7.3	85	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.333	-34.3#	123	0.00
56 M	Bromoform	0.370	0.340	8.1	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.511	9.1	84	0.00
59 M	2-Hexanone	0.434	0.370	14.7	77	0.00
60 S	4-Bromofluorobenzene	0.519	0.511	1.5	89	0.00
61 M	Tetrachloroethene	0.357	0.335	6.2	91	0.00
62 M	Toluene	2.093	1.873	10.5	85	0.00
63 S	Toluene-d8	1.055	1.038	1.6	89	0.00
64 M	Chlorobenzene	1.272	1.155	9.2	87	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.426	9.0	85	0.00
66 M	Ethyl Benzene	2.319	2.083	10.2	86	0.00
67 M	m/p-Xylenes	0.909	0.816	10.2	87	0.00
68 M	o-Xylene	0.909	0.804	11.6	84	0.00
69 M	Styrene	1.457	1.288	11.6	85	0.00
70	Isopropylbenzene	2.308	2.102	8.9	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.635	10.2	85	0.00
72	1,2,3-Trichloropropane	0.480	0.567	-18.1	105	0.00
73	Bromobenzene	0.469	0.431	8.1	87	0.00
74	n-propylbenzene	2.553	2.330	8.7	88	0.00
75	2-Chlorotoluene	1.530	1.374	10.2	85	0.00
76	1,3,5-Trimethylbenzene	1.878	1.675	10.8	84	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.196	20.0	76	0.00
78	4-Chlorotoluene	1.445	1.299	10.1	87	0.00
79	tert-butylbenzene	1.635	1.532	6.3	88	0.00
80	1,2,4-Trimethylbenzene	1.831	1.650	9.9	84	0.00
81	sec-Butylbenzene	2.335	2.140	8.4	86	0.00
82	p-Isopropyltoluene	1.870	1.733	7.3	87	0.00
83 M	1,3-Dichlorobenzene	0.889	0.800	10.0	88	0.00
84 M	1,4-Dichlorobenzene	0.862	0.771	10.6	87	0.00
85	n-Butylbenzene	1.546	1.394	9.8	89	0.00
86 T	Hexachloroethane	0.398	0.351	11.8	85	0.00
87 M	1,2-Dichlorobenzene	0.871	0.806	7.5	87	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.121	10.4	88	0.01
89	1,2,4-Trichlorobenzene	0.343	0.276	19.5	87	0.00
90	Hexachlorobutadiene	0.176	0.164	6.8	91	0.00
91 M	Naphthalene	1.309	1.057	19.3	84	0.00
92	1,2,3-Trichlorobenzene	0.334	0.269	19.5	84	0.00

(#) = Out of Range

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