

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071717.D
 Acq On : 31 Mar 2022 20:26
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 01 02:27:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	77	0.00
2 M	Dichlorodifluoromethane	1.867	1.578	15.5	63	0.00
3 M	Chloromethane	2.201	1.903	13.5	67	0.00
4 M	Vinyl Chloride	2.524	2.166	14.2	68	0.00
5 M	Bromomethane	1.487	1.414	4.9	66	0.00
6 M	Chloroethane	1.616	1.414	12.5	69	0.00
7 M	Trichlorofluoromethane	2.943	2.721	7.5	72	0.00
8 T	Diethyl Ether	1.236	1.203	2.7	77	0.00
9	1,1,2-Trichlorotrifluoroeth	1.762	1.685	4.4	74	0.00
10 M	1,1-Dichloroethene	1.738	1.604	7.7	73	0.00
11	Methyl Iodide	2.547	2.292	10.0	72	0.00
12	Methyl Acetate	2.449	2.480	-1.3	80	0.00
13 M	Acrolein	0.261	0.263	-0.8	83	0.00
14 M	Acrylonitrile	1.109	1.110	-0.1	80	0.00
15 M	Acetone	0.319	0.291	8.8	69	0.00
16 M	Carbon Disulfide	4.525	3.359	25.8	60	0.00
17	Allyl chloride	2.819	2.557	9.3	73	0.00
18 M	Methylene Chloride	2.085	2.043	2.0	77	0.00
19 M	trans-1,2-Dichloroethene	1.859	1.740	6.4	75	0.00
20 T	Diisopropyl ether	5.898	5.976	-1.3	79	0.00
21 M	1,1-Dichloroethane	3.561	3.478	2.3	77	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.177	3.6	76	0.00
23 M	tert-Butyl Alcohol	0.396	0.343	13.4	72	0.02
24 M	Methyl tert-Butyl Ether	6.273	6.195	1.2	78	0.00
25 M	Chloroform	3.582	3.625	-1.2	79	0.00
26	Cyclohexane	3.078	2.801	9.0	72	0.00
27 s	1,2-Dichloroethane-d4	2.114	2.246	-6.2	82	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
29	1,1-Dichloropropene	0.486	0.413	15.0	74	0.00
30 M	2-Butanone	0.270	0.235	13.0	75	0.00
31	2,2-Dichloropropane	0.553	0.432	21.9	68	0.00
32 M	1,1,1-Trichloroethane	0.566	0.501	11.5	77	0.00
33 M	Carbon Tetrachloride	0.479	0.422	11.9	76	0.00
34 M	Benzene	1.509	1.364	9.6	77	0.00
35	Methacrylonitrile	0.259	0.239	7.7	76	0.01
36 M	1,2-Dichloroethane	0.526	0.477	9.3	78	0.00
37 M	Trichloroethene	0.389	0.339	12.9	76	0.00
38	Methylcyclohexane	0.612	0.487	20.4	69	0.00
39 M	1,2-Dichloropropane	0.377	0.344	8.8	78	0.00
40	Dibromomethane	0.255	0.232	9.0	78	0.00
41 M	Bromodichloromethane	0.511	0.461	9.8	79	0.00
42 M	Vinyl Acetate	0.926	0.819	11.6	77	0.00
43	Ethyl Acetate	0.524	0.496	5.3	80	0.00
44	Isopropyl Acetate	0.841	0.754	10.3	80	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	70	0.00
46	Methyl methacrylate	0.369	0.329	10.8	82	0.00
47	n-amyl Acetate	0.561	0.422	24.8	72	0.00
48 M	t-1,3-Dichloropropene	0.556	0.468	15.8	77	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.608	0.525	13.7	77	0.00
50 M	1,1,2-Trichloroethane	0.382	0.357	6.5	81	0.00
51	Ethyl methacrylate	0.590	0.524	11.2	81	0.00
52	1,3-Dichloropropane	0.652	0.595	8.7	78	0.00
53 M	Dibromochloromethane	0.395	0.365	7.6	82	0.00
54 M	1,2-Dibromoethane	0.393	0.357	9.2	80	0.00
55 M	2-Chloroethyl vinyl ether	0.159	0.096	39.6#	54	0.00
56 M	Bromoform	0.305	0.268	12.1	80	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.569	0.531	6.7	80	0.00
59 M	2-Hexanone	0.416	0.369	11.3	77	0.00
60 S	4-Bromofluorobenzene	0.445	0.422	5.2	81	0.00
61 M	Tetrachloroethene	0.365	0.333	8.8	77	0.00
62 M	Toluene	1.819	1.679	7.7	78	0.00
63 S	Toluene-d8	1.362	1.394	-2.3	84	0.00
64 M	Chlorobenzene	1.122	1.026	8.6	80	0.00
65	1,1,1,2-Tetrachloroethane	0.412	0.387	6.1	80	0.00
66 M	Ethyl Benzene	1.977	1.762	10.9	78	0.00
67 M	m/p-Xylenes	0.769	0.684	11.1	76	0.00
68 M	o-Xylene	0.764	0.677	11.4	77	0.00
69 M	Styrene	1.203	1.030	14.4	77	0.00
70	Isopropylbenzene	1.918	1.748	8.9	79	0.00
71 M	1,1,2,2-Tetrachloroethane	0.624	0.599	4.0	80	0.00
72	1,2,3-Trichloropropane	0.536	0.563	-5.0	87	0.00
73	Bromobenzene	0.468	0.405	13.5	77	0.00
74	n-propylbenzene	2.094	1.803	13.9	77	0.00
75	2-Chlorotoluene	1.308	1.157	11.5	77	0.00
76	1,3,5-Trimethylbenzene	1.539	1.428	7.2	80	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.143	23.9	73	0.00
78	4-Chlorotoluene	1.222	1.022	16.4	75	0.00
79	tert-butylbenzene	1.389	1.253	9.8	78	0.00
80	1,2,4-Trimethylbenzene	1.493	1.345	9.9	79	0.00
81	sec-Butylbenzene	1.866	1.617	13.3	77	0.00
82	p-Isopropyltoluene	1.516	1.311	13.5	78	0.00
83 M	1,3-Dichlorobenzene	0.766	0.637	16.8	76	0.00
84 M	1,4-Dichlorobenzene	0.731	0.610	16.6	76	0.00
85	n-Butylbenzene	1.126	0.874	22.4	75	0.00
86 T	Hexachloroethane	0.283	0.247	12.7	78	0.00
87 M	1,2-Dichlorobenzene	0.740	0.656	11.4	77	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.094	15.3	77	0.00
89	1,2,4-Trichlorobenzene	0.342	0.267	21.9	76	0.00
90	Hexachlorobutadiene	0.203	0.177	12.8	77	0.00
91 M	Naphthalene	0.951	0.650	31.7#	72	0.00
92	1,2,3-Trichlorobenzene	0.336	0.264	21.4	76	0.00

(#) = Out of Range

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