

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084419.D
 Acq On : 18 Oct 2024 09:44
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 19 03:46:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 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	1.832	1.704	7.0	82	0.00
3 M	Chloromethane	2.084	1.932	7.3	83	0.00
4 M	Vinyl Chloride	2.044	1.957	4.3	87	0.00
5 M	Bromomethane	1.354	1.250	7.7	82	0.00
6 M	Chloroethane	1.340	1.330	0.7	88	0.00
7 M	Trichlorofluoromethane	3.329	3.141	5.6	86	0.00
8 T	Diethyl Ether	1.224	1.039	15.1	78	0.00
9	1,1,2-Trichlorotrifluoroeth	1.872	1.873	-0.1	92	0.00
10 M	1,1-Dichloroethene	1.868	1.683	9.9	85	0.00
11	Methyl Iodide	2.455	2.214	9.8	83	0.00
12	Methyl Acetate	2.339	2.351	-0.5	95	0.00
13 M	Acrolein	0.434	0.308	29.0#	71	0.00
14 M	Acrylonitrile	1.051	0.957	8.9	83	0.00
15 M	Acetone	0.300	0.310	-3.3	100	0.00
16 M	Carbon Disulfide	5.562	4.826	13.2	78	0.00
17	Allyl chloride	3.028	2.672	11.8	80	0.00
18 M	Methylene Chloride	2.104	2.104	0.0	91	0.00
19 M	trans-1,2-Dichloroethene	1.977	1.832	7.3	84	0.00
20 T	Diisopropyl ether	6.510	6.360	2.3	89	0.00
21 M	1,1-Dichloroethane	3.736	3.629	2.9	88	0.00
22 M	cis-1,2-Dichloroethene	2.300	2.234	2.9	88	0.00
23 M	tert-Butyl Alcohol	0.403	0.325	19.4	75	0.00
24 M	Methyl tert-Butyl Ether	6.242	5.703	8.6	84	0.00
25 M	Chloroform	3.783	3.790	-0.2	90	0.00
26	Cyclohexane	3.124	2.608	16.5	73	0.00
27 s	1,2-Dichloroethane-d4	2.415	2.358	2.4	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.492	0.493	-0.2	86	0.00
30 M	2-Butanone	0.262	0.256	2.3	85	0.00
31	2,2-Dichloropropane	0.579	0.610	-5.4	91	0.00
32 M	1,1,1-Trichloroethane	0.629	0.651	-3.5	86	0.00
33 M	Carbon Tetrachloride	0.545	0.555	-1.8	87	0.00
34 M	Benzene	1.542	1.590	-3.1	87	0.00
35	Methacrylonitrile	0.280	0.268	4.3	84	0.00
36 M	1,2-Dichloroethane	0.514	0.538	-4.7	88	0.00
37 M	Trichloroethene	0.355	0.373	-5.1	87	0.00
38	Methylcyclohexane	0.541	0.483	10.7	80	0.00
39 M	1,2-Dichloropropane	0.376	0.386	-2.7	86	0.00
40	Dibromomethane	0.263	0.281	-6.8	91	0.00
41 M	Bromodichloromethane	0.558	0.579	-3.8	89	0.00
42 M	Vinyl Acetate	0.912	0.834	8.6	80	0.00
43	Ethyl Acetate	0.517	0.487	5.8	82	0.00
44	Isopropyl Acetate	0.846	0.810	4.3	83	0.00
45 T	1,4-Dioxane	0.008	0.007	12.5	87	0.00
46	Methyl methacrylate	0.409	0.366	10.5	78	0.00
47	n-amyl Acetate	0.753	0.690	8.4	80	0.00
48 M	t-1,3-Dichloropropene	0.576	0.561	2.6	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.604	0.609	-0.8	85	0.00
50 M	1,1,2-Trichloroethane	0.353	0.369	-4.5	89	0.00
51	Ethyl methacrylate	0.583	0.529	9.3	79	0.00
52	1,3-Dichloropropane	0.617	0.635	-2.9	87	0.00
53 M	Dibromochloromethane	0.417	0.424	-1.7	87	0.00
54 M	1,2-Dibromoethane	0.364	0.363	0.3	84	0.00
55 M	2-Chloroethyl vinyl ether	0.265	0.260	1.9	89	0.00
56 M	Bromoform	0.277	0.274	1.1	89	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.559	0.541	3.2	83	0.00
59 M	2-Hexanone	0.415	0.400	3.6	85	0.00
60 S	4-Bromofluorobenzene	0.495	0.506	-2.2	89	0.00
61 M	Tetrachloroethene	0.339	0.350	-3.2	88	0.00
62 M	Toluene	1.756	1.807	-2.9	88	0.00
63 S	Toluene-d8	1.390	1.427	-2.7	88	0.00
64 M	Chlorobenzene	1.093	1.099	-0.5	87	0.00
65	1,1,1,2-Tetrachloroethane	0.380	0.390	-2.6	88	0.00
66 M	Ethyl Benzene	1.908	1.866	2.2	85	0.00
67 M	m/p-Xylenes	0.724	0.730	-0.8	87	0.00
68 M	o-Xylene	0.698	0.690	1.1	86	0.00
69 M	Styrene	1.198	1.189	0.8	87	0.00
70	Isopropylbenzene	1.781	1.731	2.8	83	0.00
71 M	1,1,2,2-Tetrachloroethane	0.551	0.574	-4.2	90	0.00
72	1,2,3-Trichloropropane	0.472	0.542	-14.8	100	0.00
73	Bromobenzene	0.431	0.452	-4.9	91	0.00
74	n-propylbenzene	2.123	2.104	0.9	86	0.00
75	2-Chlorotoluene	1.319	1.333	-1.1	87	0.00
76	1,3,5-Trimethylbenzene	1.500	1.518	-1.2	88	0.00
77	t-1,4-Dichloro-2-butene	0.202	0.181	10.4	83	0.00
78	4-Chlorotoluene	1.341	1.357	-1.2	88	0.00
79	tert-butylbenzene	1.279	1.185	7.3	81	0.00
80	1,2,4-Trimethylbenzene	1.522	1.532	-0.7	88	0.00
81	sec-Butylbenzene	1.762	1.742	1.1	86	0.00
82	p-Isopropyltoluene	1.483	1.442	2.8	86	0.00
83 M	1,3-Dichlorobenzene	0.802	0.832	-3.7	91	0.00
84 M	1,4-Dichlorobenzene	0.796	0.794	0.3	90	0.00
85	n-Butylbenzene	1.284	1.187	7.6	85	0.00
86 T	Hexachloroethane	0.286	0.288	-0.7	89	0.00
87 M	1,2-Dichlorobenzene	0.775	0.808	-4.3	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.113	0.113	0.0	88	0.00
89	1,2,4-Trichlorobenzene	0.403	0.375	6.9	85	0.00
90	Hexachlorobutadiene	0.187	0.178	4.8	88	0.00
91 M	Naphthalene	1.366	1.096	19.8	73	0.00
92	1,2,3-Trichlorobenzene	0.403	0.375	6.9	85	0.00

(#) = Out of Range

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