

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042425\
 Data File : VN086392.D
 Acq On : 24 Apr 2025 11:10
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 25 01:37:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 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	91	0.00
2 M	Dichlorodifluoromethane	2.071	2.034	1.8	87	0.00
3 M	Chloromethane	2.942	2.784	5.4	87	0.00
4 M	Vinyl Chloride	2.818	2.774	1.6	90	0.00
5 M	Bromomethane	1.471	1.452	1.3	88	0.00
6 M	Chloroethane	1.879	1.858	1.1	90	0.00
7 M	Trichlorofluoromethane	3.326	3.265	1.8	87	0.00
8 T	Diethyl Ether	1.404	1.354	3.6	89	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.068	-1.1	92	0.00
10 M	1,1-Dichloroethene	2.093	2.058	1.7	89	0.00
11	Methyl Iodide	2.449	2.334	4.7	88	0.00
12	Methyl Acetate	2.966	3.126	-5.4	95	0.00
13 M	Acrolein	0.150	0.151	-0.7	108	0.00
14 M	Acrylonitrile	1.104	1.135	-2.8	93	0.00
15 M	Acetone	0.304	0.286	5.9	93	0.00
16 M	Carbon Disulfide	5.515	5.262	4.6	85	0.00
17	Allyl chloride	3.346	3.119	6.8	87	0.00
18 M	Methylene Chloride	2.383	2.409	-1.1	92	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.175	2.5	90	0.00
20 T	Diisopropyl ether	7.957	7.871	1.1	92	0.00
21 M	1,1-Dichloroethane	4.355	4.350	0.1	91	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.805	-0.6	93	0.00
23 M	tert-Butyl Alcohol	0.428	0.455	-6.3	91	0.00
24 M	Methyl tert-Butyl Ether	7.733	7.859	-1.6	93	0.00
25 M	Chloroform	4.408	4.439	-0.7	90	0.00
26	Cyclohexane	3.846	3.695	3.9	89	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.967	-2.6	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
29	1,1-Dichloropropene	0.529	0.513	3.0	92	0.00
30 M	2-Butanone	0.257	0.251	2.3	92	0.00
31	2,2-Dichloropropane	0.680	0.636	6.5	88	0.00
32 M	1,1,1-Trichloroethane	0.632	0.627	0.8	93	0.00
33 M	Carbon Tetrachloride	0.520	0.498	4.2	89	0.00
34 M	Benzene	1.682	1.657	1.5	92	0.00
35	Methacrylonitrile	0.293	0.279	4.8	85	0.00
36 M	1,2-Dichloroethane	0.546	0.534	2.2	91	0.00
37 M	Trichloroethene	0.421	0.405	3.8	93	0.00
38	Methylcyclohexane	0.611	0.585	4.3	90	0.00
39 M	1,2-Dichloropropane	0.416	0.404	2.9	91	0.00
40	Dibromomethane	0.278	0.271	2.5	90	0.00
41 M	Bromodichloromethane	0.588	0.580	1.4	92	0.00
42 M	Vinyl Acetate	0.889	0.857	3.6	89	0.00
43	Ethyl Acetate	0.508	0.487	4.1	93	0.00
44	Isopropyl Acetate	0.964	0.959	0.5	94	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	95	0.00
46	Methyl methacrylate	0.445	0.429	3.6	91	0.00
47	n-amyl Acetate	0.822	0.743	9.6	86	0.00
48 M	t-1,3-Dichloropropene	0.657	0.620	5.6	90	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.666	3.9	91	0.00
50 M	1,1,2-Trichloroethane	0.388	0.387	0.3	92	0.00
51	Ethyl methacrylate	0.676	0.645	4.6	91	0.00
52	1,3-Dichloropropane	0.686	0.678	1.2	92	0.00
53 M	Dibromochloromethane	0.436	0.430	1.4	93	0.00
54 M	1,2-Dibromoethane	0.395	0.382	3.3	90	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.276	13.2	81	0.00
56 M	Bromoform	0.283	0.271	4.2	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.585	-0.7	92	0.00
59 M	2-Hexanone	0.428	0.425	0.7	91	0.00
60 S	4-Bromofluorobenzene	0.590	0.572	3.1	89	0.00
61 M	Tetrachloroethene	0.458	0.441	3.7	92	0.00
62 M	Toluene	2.008	1.983	1.2	91	0.00
63 S	Toluene-d8	1.650	1.648	0.1	89	0.00
64 M	Chlorobenzene	1.251	1.247	0.3	92	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.427	-2.2	95	0.00
66 M	Ethyl Benzene	2.260	2.215	2.0	91	0.00
67 M	m/p-Xylenes	0.858	0.836	2.6	91	0.00
68 M	o-Xylene	0.840	0.811	3.5	91	0.00
69 M	Styrene	1.423	1.371	3.7	91	0.00
70	Isopropylbenzene	2.096	2.060	1.7	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.576	-4.3	91	0.00
72	1,2,3-Trichloropropane	0.481	0.486	-1.0	94	0.00
73	Bromobenzene	0.482	0.478	0.8	92	0.00
74	n-propylbenzene	2.491	2.410	3.3	92	0.00
75	2-Chlorotoluene	1.555	1.507	3.1	91	0.00
76	1,3,5-Trimethylbenzene	1.720	1.699	1.2	93	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.225	7.8	89	0.00
78	4-Chlorotoluene	1.555	1.484	4.6	92	0.00
79	tert-butylbenzene	1.473	1.428	3.1	91	0.00
80	1,2,4-Trimethylbenzene	1.757	1.681	4.3	91	0.00
81	sec-Butylbenzene	2.103	2.020	3.9	92	0.00
82	p-Isopropyltoluene	1.759	1.650	6.2	92	0.00
83 M	1,3-Dichlorobenzene	0.911	0.865	5.0	93	0.00
84 M	1,4-Dichlorobenzene	0.900	0.859	4.6	93	0.00
85	n-Butylbenzene	1.570	1.434	8.7	91	0.00
86 T	Hexachloroethane	0.288	0.271	5.9	92	0.00
87 M	1,2-Dichlorobenzene	0.867	0.858	1.0	96	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.105	6.3	93	0.00
89	1,2,4-Trichlorobenzene	0.395	0.373	5.6	96	0.00
90	Hexachlorobutadiene	0.159	0.145	8.8	92	0.00
91 M	Naphthalene	1.414	1.305	7.7	94	0.00
92	1,2,3-Trichlorobenzene	0.395	0.373	5.6	96	0.00

(#) = Out of Range

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