

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040425\
 Data File : VN086230.D
 Acq On : 04 Apr 2025 13:47
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN040425

Quant Time: Apr 05 00:50:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 05 00:04:36 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	101	0.00
2 M	Dichlorodifluoromethane	2.903	2.778	4.3	84	0.00
3 M	Chloromethane	2.970	2.682	9.7	83	0.00
4 M	Vinyl Chloride	2.859	2.675	6.4	85	0.00
5 M	Bromomethane	1.421	1.269	10.7	78	0.00
6 M	Chloroethane	1.677	1.602	4.5	85	0.00
7 M	Trichlorofluoromethane	3.883	3.862	0.5	90	0.00
8 T	Diethyl Ether	1.296	1.235	4.7	88	0.00
9	1,1,2-Trichlorotrifluoroeth	2.130	2.113	0.8	90	0.00
10 M	1,1-Dichloroethene	2.100	2.043	2.7	87	0.00
11	Methyl Iodide	2.632	2.544	3.3	89	0.00
12	Methyl Acetate	2.408	2.304	4.3	86	0.00
13 M	Acrolein	0.321	0.378	-17.8	100	0.00
14 M	Acrylonitrile	1.064	1.040	2.3	90	0.00
15 M	Acetone	0.295	0.277	6.1	85	0.00
16 M	Carbon Disulfide	6.357	6.070	4.5	88	0.00
17	Allyl chloride	2.873	2.674	6.9	86	0.00
18 M	Methylene Chloride	2.371	2.300	3.0	87	0.00
19 M	trans-1,2-Dichloroethene	2.283	2.131	6.7	86	0.00
20 T	Diisopropyl ether	6.329	6.012	5.0	87	0.00
21 M	1,1-Dichloroethane	4.166	4.014	3.6	88	0.00
22 M	cis-1,2-Dichloroethene	2.653	2.502	5.7	84	0.00
23 M	tert-Butyl Alcohol	0.384	0.373	2.9	83	-0.02
24 M	Methyl tert-Butyl Ether	7.140	6.818	4.5	85	0.00
25 M	Chloroform	4.405	4.288	2.7	89	0.00
26	Cyclohexane	3.342	3.281	1.8	90	0.00
27 s	1,2-Dichloroethane-d4	2.929	2.979	-1.7	102	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
29	1,1-Dichloropropene	0.555	0.535	3.6	88	0.00
30 M	2-Butanone	0.236	0.218	7.6	86	0.00
31	2,2-Dichloropropane	0.694	0.675	2.7	89	0.00
32 M	1,1,1-Trichloroethane	0.743	0.714	3.9	88	0.00
33 M	Carbon Tetrachloride	0.641	0.620	3.3	90	0.00
34 M	Benzene	1.778	1.712	3.7	89	0.00
35	Methacrylonitrile	0.259	0.239	7.7	88	0.00
36 M	1,2-Dichloroethane	0.594	0.573	3.5	90	0.00
37 M	Trichloroethene	0.451	0.425	5.8	89	0.00
38	Methylcyclohexane	0.600	0.562	6.3	91	0.00
39 M	1,2-Dichloropropane	0.421	0.395	6.2	88	0.00
40	Dibromomethane	0.301	0.286	5.0	87	0.00
41 M	Bromodichloromethane	0.626	0.599	4.3	90	0.00
42 M	Vinyl Acetate	0.839	0.775	7.6	84	0.00
43	Ethyl Acetate	0.483	0.426	11.8	80	0.00
44	Isopropyl Acetate	0.822	0.786	4.4	91	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	84	0.00
46	Methyl methacrylate	0.367	0.342	6.8	86	0.00
47	n-amyl Acetate	0.663	0.589	11.2	86	0.00
48 M	t-1,3-Dichloropropene	0.660	0.624	5.5	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040425\
 Data File : VN086230.D
 Acq On : 04 Apr 2025 13:47
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN040425

Quant Time: Apr 05 00:50:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 05 00:04:36 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)
49 T	cis-1,3-Dichloropropene	0.693	0.659	4.9	88	0.00
50 M	1,1,2-Trichloroethane	0.412	0.401	2.7	92	0.00
51	Ethyl methacrylate	0.622	0.564	9.3	84	0.00
52	1,3-Dichloropropane	0.709	0.677	4.5	90	0.00
53 M	Dibromochloromethane	0.486	0.454	6.6	89	0.00
54 M	1,2-Dibromoethane	0.412	0.390	5.3	88	0.00
55 M	2-Chloroethyl vinyl ether	0.184	0.283	-53.8#	87	0.00
56 M	Bromoform	0.332	0.308	7.2	87	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.517	0.488	5.6	88	0.00
59 M	2-Hexanone	0.379	0.354	6.6	87	0.00
60 S	4-Bromofluorobenzene	0.588	0.593	-0.9	103	0.00
61 M	Tetrachloroethene	0.507	0.495	2.4	93	0.00
62 M	Toluene	1.976	1.908	3.4	90	0.00
63 S	Toluene-d8	1.661	1.670	-0.5	102	0.00
64 M	Chlorobenzene	1.237	1.199	3.1	92	0.00
65	1,1,1,2-Tetrachloroethane	0.456	0.431	5.5	90	0.00
66 M	Ethyl Benzene	2.125	2.028	4.6	89	0.00
67 M	m/p-Xylenes	0.852	0.824	3.3	90	0.00
68 M	o-Xylene	0.805	0.779	3.2	89	0.00
69 M	Styrene	1.351	1.279	5.3	89	0.00
70	Isopropylbenzene	2.011	1.915	4.8	88	0.00
71 M	1,1,2,2-Tetrachloroethane	0.543	0.518	4.6	87	0.00
72	1,2,3-Trichloropropane	0.521	0.546	-4.8	98	0.00
73	Bromobenzene	0.511	0.481	5.9	90	0.00
74	n-propylbenzene	2.367	2.245	5.2	91	0.00
75	2-Chlorotoluene	1.533	1.459	4.8	90	0.00
76	1,3,5-Trimethylbenzene	1.740	1.660	4.6	90	0.00
77	t-1,4-Dichloro-2-butene	0.226	0.204	9.7	88	0.00
78	4-Chlorotoluene	1.550	1.470	5.2	90	0.00
79	tert-butylbenzene	1.428	1.338	6.3	90	0.00
80	1,2,4-Trimethylbenzene	1.773	1.653	6.8	87	0.00
81	sec-Butylbenzene	2.029	1.850	8.8	88	0.00
82	p-Isopropyltoluene	1.713	1.579	7.8	90	0.00
83 M	1,3-Dichlorobenzene	0.962	0.912	5.2	91	0.00
84 M	1,4-Dichlorobenzene	0.953	0.888	6.8	90	0.00
85	n-Butylbenzene	1.444	1.272	11.9	89	0.00
86 T	Hexachloroethane	0.285	0.259	9.1	89	0.00
87 M	1,2-Dichlorobenzene	0.945	0.889	5.9	91	0.00
88	1,2-Dibromo-3-Chloropropane	0.127	0.115	9.4	89	0.00
89	1,2,4-Trichlorobenzene	0.481	0.414	13.9	88	0.00
90	Hexachlorobutadiene	0.269	0.223	17.1	88	0.00
91 M	Naphthalene	1.555	1.311	15.7	84	0.00
92	1,2,3-Trichlorobenzene	0.481	0.414	13.9	88	0.00

(#) = Out of Range

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