

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079081.D
 Acq On : 29 Aug 2023 09:21
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 29 23:34:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 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	88	0.00
2 M	Dichlorodifluoromethane	1.893	1.737	8.2	80	0.00
3 M	Chloromethane	2.269	2.042	10.0	78	0.00
4 M	Vinyl Chloride	2.245	2.119	5.6	82	0.00
5 M	Bromomethane	1.386	1.335	3.7	87	0.00
6 M	Chloroethane	1.459	1.517	-4.0	93	0.00
7 M	Trichlorofluoromethane	3.024	2.913	3.7	87	0.00
8 T	Diethyl Ether	1.137	1.007	11.4	77	0.00
9	1,1,2-Trichlorotrifluoroeth	1.579	1.602	-1.5	88	0.00
10 M	1,1-Dichloroethene	1.589	1.574	0.9	84	0.00
11	Methyl Iodide	1.918	1.912	0.3	87	0.00
12	Methyl Acetate	3.725	3.366	9.6	78	0.00
13 M	Acrolein	0.260	0.241	7.3	85	0.00
14 M	Acrylonitrile	0.979	0.913	6.7	79	-0.01
15 M	Acetone	0.300	0.297	1.0	88	0.00
16 M	Carbon Disulfide	4.566	4.207	7.9	79	0.00
17	Allyl chloride	2.913	2.638	9.4	79	0.00
18 M	Methylene Chloride	1.900	1.932	-1.7	88	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.719	3.9	86	0.00
20 T	Diisopropyl ether	6.336	6.363	-0.4	86	0.00
21 M	1,1-Dichloroethane	3.516	3.506	0.3	86	0.00
22 M	cis-1,2-Dichloroethene	2.047	1.875	8.4	76	0.00
23 M	tert-Butyl Alcohol	0.365	0.325	11.0	74	0.00
24 M	Methyl tert-Butyl Ether	5.641	5.296	6.1	79	0.00
25 M	Chloroform	3.542	3.423	3.4	85	0.00
26	Cyclohexane	2.572	2.295	10.8	77	0.00
27 s	1,2-Dichloroethane-d4	2.430	2.401	1.2	87	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
29	1,1-Dichloropropene	0.456	0.435	4.6	77	0.00
30 M	2-Butanone	0.267	0.238	10.9	75	0.00
31	2,2-Dichloropropane	0.504	0.518	-2.8	84	-0.01
32 M	1,1,1-Trichloroethane	0.545	0.526	3.5	80	0.00
33 M	Carbon Tetrachloride	0.472	0.457	3.2	79	0.00
34 M	Benzene	1.368	1.334	2.5	80	0.00
35	Methacrylonitrile	0.285	0.249	12.6	71	0.00
36 M	1,2-Dichloroethane	0.512	0.512	0.0	84	0.00
37 M	Trichloroethene	0.340	0.328	3.5	82	0.00
38	Methylcyclohexane	0.402	0.373	7.2	77	0.00
39 M	1,2-Dichloropropane	0.368	0.357	3.0	82	0.00
40	Dibromomethane	0.247	0.237	4.0	80	0.00
41 M	Bromodichloromethane	0.497	0.501	-0.8	83	0.00
42 M	Vinyl Acetate	0.753	0.707	6.1	76	0.00
43	Ethyl Acetate	0.518	0.495	4.4	82	0.00
44	Isopropyl Acetate	0.913	0.792	13.3	71	0.00
45 T	1,4-Dioxane	0.007	0.006	14.3	70	0.00
46	Methyl methacrylate	0.402	0.362	10.0	73	0.00
47	n-amyl Acetate	0.701	0.606	13.6	69	0.00
48 M	t-1,3-Dichloropropene	0.529	0.489	7.6	77	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.567	0.537	5.3	78	0.00
50 M	1,1,2-Trichloroethane	0.334	0.326	2.4	79	0.00
51	Ethyl methacrylate	0.516	0.450	12.8	70	0.00
52	1,3-Dichloropropane	0.598	0.585	2.2	81	0.00
53 M	Dibromochloromethane	0.365	0.360	1.4	84	0.00
54 M	1,2-Dibromoethane	0.343	0.326	5.0	79	0.00
55 M	2-Chloroethyl vinyl ether	0.239	0.197	17.6	73	0.00
56 M	Bromoform	0.258	0.247	4.3	80	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.595	0.518	12.9	74	0.00
59 M	2-Hexanone	0.436	0.371	14.9	72	0.00
60 S	4-Bromofluorobenzene	0.438	0.434	0.9	84	0.00
61 M	Tetrachloroethene	0.290	0.300	-3.4	87	0.00
62 M	Toluene	1.638	1.602	2.2	82	0.00
63 S	Toluene-d8	1.401	1.427	-1.9	86	0.00
64 M	Chlorobenzene	0.985	0.924	6.2	78	0.00
65	1,1,1,2-Tetrachloroethane	0.377	0.353	6.4	78	0.00
66 M	Ethyl Benzene	1.713	1.579	7.8	78	0.00
67 M	m/p-Xylenes	0.639	0.615	3.8	80	0.00
68 M	o-Xylene	0.630	0.576	8.6	77	0.00
69 M	Styrene	1.023	0.940	8.1	76	0.00
70	Isopropylbenzene	1.526	1.458	4.5	80	0.00
71 M	1,1,2,2-Tetrachloroethane	0.572	0.522	8.7	77	0.00
72	1,2,3-Trichloropropane	0.469	0.419	10.7	78	0.00
73	Bromobenzene	0.389	0.357	8.2	78	0.00
74	n-propylbenzene	1.730	1.706	1.4	82	0.00
75	2-Chlorotoluene	1.097	1.070	2.5	82	0.00
76	1,3,5-Trimethylbenzene	1.210	1.215	-0.4	84	0.00
77	t-1,4-Dichloro-2-butene	0.174	0.133	23.6	65	0.00
78	4-Chlorotoluene	1.051	0.996	5.2	79	0.00
79	tert-butylbenzene	1.022	0.955	6.6	80	0.00
80	1,2,4-Trimethylbenzene	1.190	1.206	-1.3	84	0.00
81	sec-Butylbenzene	1.349	1.339	0.7	81	0.00
82	p-Isopropyltoluene	1.101	1.086	1.4	79	0.00
83 M	1,3-Dichlorobenzene	0.627	0.620	1.1	85	0.00
84 M	1,4-Dichlorobenzene	0.616	0.566	8.1	75	0.00
85	n-Butylbenzene	0.866	0.830	4.2	78	0.00
86 T	Hexachloroethane	0.225	0.226	-0.4	85	0.00
87 M	1,2-Dichlorobenzene	0.642	0.595	7.3	76	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.082	20.4	63	0.00
89	1,2,4-Trichlorobenzene	0.254	0.188	26.0#	58	0.00
90	Hexachlorobutadiene	0.132	0.133	-0.8	77	0.00
91 M	Naphthalene	0.731	0.462	36.8#	50#	0.00
92	1,2,3-Trichlorobenzene	0.254	0.188	26.0#	58	0.00

(#) = Out of Range

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