

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
 Data File : VN077495.D
 Acq On : 28 Apr 2023 10:36
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 28 10:53:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 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	107	0.00
2 M	Dichlorodifluoromethane	2.852	2.626	7.9	107	0.00
3 M	Chloromethane	3.789	2.319	38.8#	71	0.00
4 M	Vinyl Chloride	5.427	3.062	43.6#	65	0.00
5 M	Bromomethane	4.090	2.462	39.8#	76	0.01
6 M	Chloroethane	3.638	2.171	40.3#	68	0.01
7 M	Trichlorofluoromethane	5.053	5.061	-0.2	118	0.00
8 T	Diethyl Ether	2.154	1.917	11.0	102	0.00
9	1,1,2-Trichlorotrifluoroeth	3.160	2.866	9.3	104	0.00
10 M	1,1-Dichloroethene	3.161	2.733	13.5	103	0.00
11	Methyl Iodide	3.571	3.357	6.0	105	0.00
12	Methyl Acetate	4.710	3.688	21.7	90	0.00
13 M	Acrolein	0.585	0.488	16.6	92	0.00
14 M	Acrylonitrile	1.610	1.221	24.2	89	0.00
15 M	Acetone	0.584	0.380	34.9#	65	0.00
16 M	Carbon Disulfide	8.344	6.116	26.7#	87	0.00
17	Allyl chloride	4.069	2.846	30.1#	77	0.00
18 M	Methylene Chloride	3.671	3.180	13.4	103	0.00
19 M	trans-1,2-Dichloroethene	3.437	2.988	13.1	103	0.01
20 T	Diisopropyl ether	9.699	7.399	23.7	90	0.00
21 M	1,1-Dichloroethane	6.147	5.408	12.0	103	0.00
22 M	cis-1,2-Dichloroethene	4.190	3.690	11.9	105	0.00
23 M	tert-Butyl Alcohol	0.716	0.496	30.7#	76	0.00
24 M	Methyl tert-Butyl Ether	11.381	9.966	12.4	101	0.00
25 M	Chloroform	6.662	6.215	6.7	110	0.00
26	Cyclohexane	5.342	4.070	23.8	90	0.00
27 s	1,2-Dichloroethane-d4	2.544	2.562	-0.7	110	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.650	0.590	9.2	98	0.00
30 M	2-Butanone	0.307	0.222	27.7#	73	0.00
31	2,2-Dichloropropane	0.798	0.724	9.3	99	0.00
32 M	1,1,1-Trichloroethane	0.800	0.798	0.3	107	0.00
33 M	Carbon Tetrachloride	0.683	0.677	0.9	106	0.00
34 M	Benzene	2.011	1.857	7.7	99	0.00
35	Methacrylonitrile	0.290	0.220	24.1	83	0.00
36 M	1,2-Dichloroethane	0.630	0.631	-0.2	106	0.00
37 M	Trichloroethene	0.492	0.477	3.0	107	0.00
38	Methylcyclohexane	0.881	0.770	12.6	95	0.00
39 M	1,2-Dichloropropane	0.499	0.439	12.0	94	0.00
40	Dibromomethane	0.360	0.354	1.7	106	0.00
41 M	Bromodichloromethane	0.717	0.714	0.4	107	0.00
42 M	Vinyl Acetate	0.889	0.692	22.2	84	0.00
43	Ethyl Acetate	0.569	0.424	25.5#	81	0.00
44	Isopropyl Acetate	1.018	0.789	22.5	82	0.00
45 T	1,4-Dioxane	0.011	0.009	18.2	84	0.00
46	Methyl methacrylate	0.438	0.358	18.3	89	0.00
47	n-amyl Acetate	0.890	0.614	31.0#	75	0.00
48 M	t-1,3-Dichloropropene	0.803	0.708	11.8	97	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.854	0.765	10.4	97	0.00
50 M	1,1,2-Trichloroethane	0.522	0.514	1.5	108	0.00
51	Ethyl methacrylate	0.802	0.696	13.2	94	0.00
52	1,3-Dichloropropane	0.872	0.822	5.7	103	0.00
53 M	Dibromochloromethane	0.551	0.528	4.2	105	0.00
54 M	1,2-Dibromoethane	0.524	0.514	1.9	105	0.00
55 M	2-Chloroethyl vinyl ether	0.248	0.236	4.8	102	0.00
56 M	Bromoform	0.370	0.327	11.6	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.562	0.430	23.5	80	0.00
59 M	2-Hexanone	0.434	0.310	28.6#	73	0.00
60 S	4-Bromofluorobenzene	0.519	0.533	-2.7	105	0.00
61 M	Tetrachloroethene	0.357	0.344	3.6	106	0.00
62 M	Toluene	2.093	2.013	3.8	103	0.00
63 S	Toluene-d8	1.055	1.057	-0.2	102	0.00
64 M	Chlorobenzene	1.272	1.216	4.4	103	0.00
65	1,1,1,2-Tetrachloroethane	0.468	0.452	3.4	102	0.00
66 M	Ethyl Benzene	2.319	2.182	5.9	102	0.00
67 M	m/p-Xylenes	0.909	0.852	6.3	102	0.00
68 M	o-Xylene	0.909	0.837	7.9	99	0.00
69 M	Styrene	1.457	1.320	9.4	99	0.00
70	Isopropylbenzene	2.308	2.167	6.1	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.707	0.647	8.5	98	0.00
72	1,2,3-Trichloropropane	0.480	0.792	-65.0#	166#	0.00
73	Bromobenzene	0.469	0.468	0.2	107	0.00
74	n-propylbenzene	2.553	2.402	5.9	103	0.00
75	2-Chlorotoluene	1.530	1.488	2.7	104	0.00
76	1,3,5-Trimethylbenzene	1.878	1.653	12.0	94	0.00
77	t-1,4-Dichloro-2-butene	0.245	0.179	26.9#	79	0.00
78	4-Chlorotoluene	1.445	1.406	2.7	107	0.00
79	tert-butylbenzene	1.635	1.598	2.3	103	0.00
80	1,2,4-Trimethylbenzene	1.831	1.510	17.5	87	0.00
81	sec-Butylbenzene	2.335	2.163	7.4	98	0.00
82	p-Isopropyltoluene	1.870	1.660	11.2	95	0.00
83 M	1,3-Dichlorobenzene	0.889	0.827	7.0	103	0.00
84 M	1,4-Dichlorobenzene	0.862	0.798	7.4	102	0.00
85	n-Butylbenzene	1.546	1.262	18.4	91	0.00
86 T	Hexachloroethane	0.398	0.343	13.8	93	0.00
87 M	1,2-Dichlorobenzene	0.871	0.839	3.7	103	0.00
88	1,2-Dibromo-3-Chloropropane	0.135	0.113	16.3	94	0.00
89	1,2,4-Trichlorobenzene	0.343	0.175	49.0#	62	0.03
90	Hexachlorobutadiene	0.176	0.178	-1.1	112	0.04
91 M	Naphthalene	1.309	0.635	51.5#	57	0.06
92	1,2,3-Trichlorobenzene	0.334	0.167	50.0#	59	0.09

(#) = Out of Range

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