

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079595.D
 Acq On : 18 Oct 2023 11:47
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 19 06:11:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 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	93	-0.01
2 M	Dichlorodifluoromethane	4.351	4.530	-4.1	94	0.00
3 M	Chloromethane	5.639	5.545	1.7	89	0.00
4 M	Vinyl Chloride	6.086	6.340	-4.2	95	0.00
5 M	Bromomethane	3.773	3.567	5.5	87	0.00
6 M	Chloroethane	4.283	4.139	3.4	88	0.00
7 M	Trichlorofluoromethane	7.426	7.938	-6.9	97	0.00
8 T	Diethyl Ether	2.691	2.675	0.6	90	0.00
9	1,1,2-Trichlorotrifluoroeth	4.249	4.512	-6.2	98	-0.01
10 M	1,1-Dichloroethene	4.042	4.066	-0.6	91	0.00
11	Methyl Iodide	4.475	4.566	-2.0	95	0.00
12	Methyl Acetate	9.745	10.077	-3.4	95	0.00
13 M	Acrolein	0.806	0.837	-3.8	95	0.00
14 M	Acrylonitrile	2.334	2.379	-1.9	93	0.00
15 M	Acetone	0.739	0.772	-4.5	93	0.00
16 M	Carbon Disulfide	12.326	12.072	2.1	90	0.00
17	Allyl chloride	6.232	6.120	1.8	86	0.00
18 M	Methylene Chloride	4.975	5.121	-2.9	93	0.00
19 M	trans-1,2-Dichloroethene	4.522	4.735	-4.7	97	0.00
20 T	Diisopropyl ether	14.778	15.102	-2.2	90	0.00
21 M	1,1-Dichloroethane	8.980	9.233	-2.8	92	0.00
22 M	cis-1,2-Dichloroethene	5.209	5.442	-4.5	95	0.00
23 M	tert-Butyl Alcohol	0.780	0.698	10.5	82	0.00
24 M	Methyl tert-Butyl Ether	13.563	13.506	0.4	89	0.00
25 M	Chloroform	9.074	9.606	-5.9	95	0.00
26	Cyclohexane	6.788	6.775	0.2	89	0.00
27 s	1,2-Dichloroethane-d4	4.265	4.332	-1.6	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.877	0.935	-6.6	95	0.00
30 M	2-Butanone	0.439	0.446	-1.6	89	0.00
31	2,2-Dichloropropane	0.988	0.997	-0.9	90	0.00
32 M	1,1,1-Trichloroethane	1.042	1.094	-5.0	93	0.00
33 M	Carbon Tetrachloride	0.886	0.953	-7.6	95	0.00
34 M	Benzene	2.664	2.798	-5.0	94	0.00
35	Methacrylonitrile	0.462	0.469	-1.5	88	0.00
36 M	1,2-Dichloroethane	0.951	1.012	-6.4	94	0.00
37 M	Trichloroethene	0.623	0.650	-4.3	96	0.00
38	Methylcyclohexane	0.844	0.827	2.0	88	0.00
39 M	1,2-Dichloropropane	0.703	0.739	-5.1	94	0.00
40	Dibromomethane	0.461	0.485	-5.2	94	0.00
41 M	Bromodichloromethane	0.956	0.999	-4.5	93	0.00
42 M	Vinyl Acetate	1.115	1.109	0.5	87	0.00
43	Ethyl Acetate	0.826	0.935	-13.2	102	0.00
44	Isopropyl Acetate	1.469	1.417	3.5	89	0.00
45 T	1,4-Dioxane	0.011	0.012	-9.1	89	0.00
46	Methyl methacrylate	0.652	0.681	-4.4	91	0.00
47	n-amyl Acetate	1.060	1.044	1.5	85	0.00
48 M	t-1,3-Dichloropropene	0.966	0.965	0.1	88	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	1.057	1.093	-3.4	92	0.00
50 M	1,1,2-Trichloroethane	0.640	0.684	-6.9	96	0.00
51	Ethyl methacrylate	0.883	0.891	-0.9	87	0.00
52	1,3-Dichloropropane	1.134	1.192	-5.1	94	0.00
53 M	Dibromochloromethane	0.654	0.707	-8.1	95	0.00
54 M	1,2-Dibromoethane	0.631	0.675	-7.0	96	0.00
55 M	2-Chloroethyl vinyl ether	0.337	0.311	7.7	86	0.00
56 M	Bromoform	0.433	0.444	-2.5	91	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
58 M	4-Methyl-2-Pentanone	0.700	0.734	-4.9	90	0.00
59 M	2-Hexanone	0.513	0.522	-1.8	88	0.00
60 S	4-Bromofluorobenzene	0.549	0.556	-1.3	87	0.00
61 M	Tetrachloroethene	0.412	0.446	-8.3	94	0.00
62 M	Toluene	2.293	2.442	-6.5	94	0.00
63 S	Toluene-d8	1.286	1.322	-2.8	89	0.00
64 M	Chlorobenzene	1.330	1.387	-4.3	93	0.00
65	1,1,1,2-Tetrachloroethane	0.507	0.549	-8.3	96	0.00
66 M	Ethyl Benzene	2.362	2.453	-3.9	91	0.00
67 M	m/p-Xylenes	0.874	0.949	-8.6	94	0.00
68 M	o-Xylene	0.835	0.889	-6.5	94	0.00
69 M	Styrene	1.326	1.444	-8.9	93	0.00
70	Isopropylbenzene	2.144	2.271	-5.9	93	0.00
71 M	1,1,2,2-Tetrachloroethane	0.762	0.822	-7.9	95	0.00
72	1,2,3-Trichloropropane	0.692	0.719	-3.9	92	0.00
73	Bromobenzene	0.504	0.543	-7.7	93	0.00
74	n-propylbenzene	2.496	2.708	-8.5	95	0.00
75	2-Chlorotoluene	1.551	1.662	-7.2	93	0.00
76	1,3,5-Trimethylbenzene	1.752	1.914	-9.2	94	0.00
77	t-1,4-Dichloro-2-butene	0.211	0.204	3.3	83	0.00
78	4-Chlorotoluene	1.466	1.567	-6.9	92	0.00
79	tert-butylbenzene	1.409	1.447	-2.7	91	0.00
80	1,2,4-Trimethylbenzene	1.698	1.822	-7.3	93	0.00
81	sec-Butylbenzene	1.978	2.135	-7.9	95	0.00
82	p-Isopropyltoluene	1.569	1.689	-7.6	94	0.00
83 M	1,3-Dichlorobenzene	0.828	0.893	-7.9	93	0.00
84 M	1,4-Dichlorobenzene	0.794	0.847	-6.7	94	0.00
85	n-Butylbenzene	1.226	1.269	-3.5	90	0.00
86 T	Hexachloroethane	0.339	0.354	-4.4	95	0.00
87 M	1,2-Dichlorobenzene	0.823	0.902	-9.6	92	0.00
88	1,2-Dibromo-3-Chloropropane	0.116	0.113	2.6	81	0.00
89	1,2,4-Trichlorobenzene	0.290	0.267	7.9	78	0.00
90	Hexachlorobutadiene	0.205	0.208	-1.5	88	0.00
91 M	Naphthalene	0.748	0.545	27.1#	64	0.00
92	1,2,3-Trichlorobenzene	0.290	0.267	7.9	78	0.00

(#) = Out of Range

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