

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080043.D
 Acq On : 10 Nov 2023 10:20
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 10 23:53:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 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	104	0.00
2 M	Dichlorodifluoromethane	1.956	1.711	12.5	86	0.00
3 M	Chloromethane	2.464	1.827	25.9#	75	0.00
4 M	Vinyl Chloride	2.059	1.365	33.7#	70	0.00
5 M	Bromomethane	1.127	0.814	27.8#	77	0.00
6 M	Chloroethane	1.196	1.034	13.5	98	0.00
7 M	Trichlorofluoromethane	3.090	2.871	7.1	100	0.00
8 T	Diethyl Ether	1.109	0.895	19.3	83	0.00
9	1,1,2-Trichlorotrifluoroeth	1.746	1.535	12.1	94	-0.01
10 M	1,1-Dichloroethene	1.545	1.409	8.8	88	0.00
11	Methyl Iodide	2.043	1.592	22.1	78	0.00
12	Methyl Acetate	4.005	3.473	13.3	88	0.00
13 M	Acrolein	0.338	0.253	25.1#	86	0.00
14 M	Acrylonitrile	0.951	0.830	12.7	89	0.00
15 M	Acetone	0.321	0.243	24.3	76	0.00
16 M	Carbon Disulfide	5.274	4.387	16.8	80	0.00
17	Allyl chloride	2.699	2.133	21.0	83	0.00
18 M	Methylene Chloride	2.071	1.841	11.1	93	0.00
19 M	trans-1,2-Dichloroethene	1.915	1.673	12.6	89	0.00
20 T	Diisopropyl ether	6.307	5.286	16.2	83	0.00
21 M	1,1-Dichloroethane	3.765	3.336	11.4	89	0.00
22 M	cis-1,2-Dichloroethene	2.222	1.882	15.3	86	0.00
23 M	tert-Butyl Alcohol	0.257	0.228	11.3	89	0.00
24 M	Methyl tert-Butyl Ether	5.687	4.692	17.5	83	0.00
25 M	Chloroform	3.886	3.438	11.5	89	0.00
26	Cyclohexane	2.962	2.321	21.6	80	0.00
27 s	1,2-Dichloroethane-d4	2.518	2.502	0.6	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.515	0.469	8.9	85	0.00
30 M	2-Butanone	0.246	0.209	15.0	80	0.00
31	2,2-Dichloropropane	0.556	0.514	7.6	87	0.00
32 M	1,1,1-Trichloroethane	0.588	0.566	3.7	92	0.00
33 M	Carbon Tetrachloride	0.517	0.488	5.6	90	0.00
34 M	Benzene	1.530	1.434	6.3	88	0.00
35	Methacrylonitrile	0.258	0.223	13.6	82	0.00
36 M	1,2-Dichloroethane	0.554	0.530	4.3	90	0.00
37 M	Trichloroethene	0.368	0.336	8.7	86	0.00
38	Methylcyclohexane	0.483	0.397	17.8	78	0.00
39 M	1,2-Dichloropropane	0.405	0.377	6.9	87	0.00
40	Dibromomethane	0.262	0.251	4.2	91	0.00
41 M	Bromodichloromethane	0.542	0.511	5.7	91	0.00
42 M	Vinyl Acetate	0.611	0.526	13.9	81	0.00
43	Ethyl Acetate	0.462	0.442	4.3	84	0.00
44	Isopropyl Acetate	0.753	0.697	7.4	88	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	91	-0.01
46	Methyl methacrylate	0.362	0.322	11.0	83	0.00
47	n-amyl Acetate	0.605	0.525	13.2	82	0.00
48 M	t-1,3-Dichloropropene	0.554	0.488	11.9	83	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.612	0.556	9.2	85	0.00
50 M	1,1,2-Trichloroethane	0.357	0.348	2.5	92	0.00
51	Ethyl methacrylate	0.513	0.442	13.8	81	0.00
52	1,3-Dichloropropane	0.638	0.616	3.4	90	0.00
53 M	Dibromochloromethane	0.382	0.357	6.5	88	0.00
54 M	1,2-Dibromoethane	0.358	0.338	5.6	90	0.00
55 M	2-Chloroethyl vinyl ether	0.236	0.215	8.9	84	0.00
56 M	Bromoform	0.250	0.243	2.8	92	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.501	0.464	7.4	87	0.00
59 M	2-Hexanone	0.382	0.333	12.8	81	0.00
60 S	4-Bromofluorobenzene	0.480	0.488	-1.7	99	0.00
61 M	Tetrachloroethene	0.352	0.322	8.5	89	0.00
62 M	Toluene	1.735	1.618	6.7	89	0.00
63 S	Toluene-d8	1.421	1.470	-3.4	99	0.00
64 M	Chlorobenzene	1.035	0.944	8.8	87	0.00
65	1,1,1,2-Tetrachloroethane	0.380	0.358	5.8	89	0.00
66 M	Ethyl Benzene	1.823	1.595	12.5	84	0.00
67 M	m/p-Xylenes	0.679	0.628	7.5	86	0.00
68 M	o-Xylene	0.651	0.580	10.9	85	0.00
69 M	Styrene	1.077	0.984	8.6	86	0.00
70	Isopropylbenzene	1.623	1.431	11.8	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.529	4.3	91	0.00
72	1,2,3-Trichloropropane	0.514	0.483	6.0	93	0.00
73	Bromobenzene	0.399	0.372	6.8	91	0.00
74	n-propylbenzene	1.942	1.742	10.3	86	0.00
75	2-Chlorotoluene	1.234	1.120	9.2	87	0.00
76	1,3,5-Trimethylbenzene	1.342	1.241	7.5	88	0.00
77	t-1,4-Dichloro-2-butene	0.168	0.148	11.9	88	0.00
78	4-Chlorotoluene	1.226	1.116	9.0	88	0.00
79	tert-butylbenzene	1.051	0.929	11.6	85	0.00
80	1,2,4-Trimethylbenzene	1.316	1.215	7.7	88	0.00
81	sec-Butylbenzene	1.484	1.316	11.3	85	0.00
82	p-Isopropyltoluene	1.205	1.082	10.2	86	0.00
83 M	1,3-Dichlorobenzene	0.727	0.676	7.0	88	0.00
84 M	1,4-Dichlorobenzene	0.714	0.637	10.8	87	0.00
85	n-Butylbenzene	1.008	0.852	15.5	83	0.00
86 T	Hexachloroethane	0.234	0.214	8.5	90	0.00
87 M	1,2-Dichlorobenzene	0.695	0.643	7.5	89	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.094	6.9	89	0.00
89	1,2,4-Trichlorobenzene	0.322	0.262	18.6	77	0.00
90	Hexachlorobutadiene	0.159	0.137	13.8	84	0.00
91 M	Naphthalene	1.033	0.719	30.4#	66	0.00
92	1,2,3-Trichlorobenzene	0.322	0.262	18.6	77	0.00

(#) = Out of Range

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