

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111524\
 Data File : VN084867.D
 Acq On : 15 Nov 2024 13:49
 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 15 22:22:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 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	0.00
2 M	Dichlorodifluoromethane	1.745	1.588	9.0	81	0.00
3 M	Chloromethane	2.101	2.071	1.4	89	0.00
4 M	Vinyl Chloride	1.951	2.020	-3.5	92	0.00
5 M	Bromomethane	0.990	1.092	-10.3	94	0.00
6 M	Chloroethane	1.281	1.331	-3.9	92	0.01
7 M	Trichlorofluoromethane	3.168	3.018	4.7	84	0.00
8 T	Diethyl Ether	1.130	1.022	9.6	82	0.00
9	1,1,2-Trichlorotrifluoroeth	1.790	1.559	12.9	75	0.00
10 M	1,1-Dichloroethene	1.748	1.515	13.3	77	0.00
11	Methyl Iodide	2.403	2.340	2.6	87	0.00
12	Methyl Acetate	2.725	2.212	18.8	77	0.00
13 M	Acrolein	0.336	0.336	0.0	90	0.00
14 M	Acrylonitrile	0.892	0.842	5.6	87	0.00
15 M	Acetone	0.229	0.221	3.5	88	0.00
16 M	Carbon Disulfide	5.144	4.286	16.7	74	0.00
17	Allyl chloride	2.979	2.292	23.1	69	0.00
18 M	Methylene Chloride	2.049	1.904	7.1	80	0.00
19 M	trans-1,2-Dichloroethene	1.833	1.602	12.6	79	0.00
20 T	Diisopropyl ether	5.964	5.397	9.5	80	0.00
21 M	1,1-Dichloroethane	3.587	3.268	8.9	80	0.00
22 M	cis-1,2-Dichloroethene	2.188	1.939	11.4	81	0.00
23 M	tert-Butyl Alcohol	0.311	0.264	15.1	80	0.00
24 M	Methyl tert-Butyl Ether	5.654	5.340	5.6	86	0.00
25 M	Chloroform	3.675	3.410	7.2	81	0.00
26	Cyclohexane	2.740	2.142	21.8	71	0.00
27 s	1,2-Dichloroethane-d4	2.412	2.422	-0.4	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
29	1,1-Dichloropropene	0.452	0.406	10.2	73	0.00
30 M	2-Butanone	0.208	0.220	-5.8	89	0.00
31	2,2-Dichloropropane	0.552	0.535	3.1	77	0.00
32 M	1,1,1-Trichloroethane	0.614	0.602	2.0	78	0.00
33 M	Carbon Tetrachloride	0.524	0.522	0.4	81	0.00
34 M	Benzene	1.494	1.459	2.3	80	0.00
35	Methacrylonitrile	0.247	0.248	-0.4	84	0.00
36 M	1,2-Dichloroethane	0.497	0.527	-6.0	84	0.00
37 M	Trichloroethene	0.337	0.314	6.8	75	0.00
38	Methylcyclohexane	0.486	0.400	17.7	70	0.00
39 M	1,2-Dichloropropane	0.360	0.361	-0.3	81	0.00
40	Dibromomethane	0.252	0.264	-4.8	84	0.00
41 M	Bromodichloromethane	0.539	0.533	1.1	81	0.00
42 M	Vinyl Acetate	0.779	0.739	5.1	79	0.00
43	Ethyl Acetate	0.438	0.451	-3.0	88	0.00
44	Isopropyl Acetate	0.887	0.795	10.4	79	0.00
45 T	1,4-Dioxane	0.006	0.006	0.0	85	0.00
46	Methyl methacrylate	0.356	0.330	7.3	79	0.00
47	n-amyl Acetate	0.662	0.605	8.6	76	0.00
48 M	t-1,3-Dichloropropene	0.532	0.491	7.7	78	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.571	0.554	3.0	80	0.00
50 M	1,1,2-Trichloroethane	0.337	0.353	-4.7	84	0.00
51	Ethyl methacrylate	0.520	0.491	5.6	81	0.00
52	1,3-Dichloropropane	0.586	0.605	-3.2	83	0.00
53 M	Dibromochloromethane	0.395	0.412	-4.3	86	0.00
54 M	1,2-Dibromoethane	0.341	0.359	-5.3	84	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.270	-5.9	85	0.00
56 M	Bromoform	0.265	0.272	-2.6	86	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.473	0.503	-6.3	86	0.00
59 M	2-Hexanone	0.347	0.363	-4.6	86	0.00
60 S	4-Bromofluorobenzene	0.517	0.524	-1.4	87	0.00
61 M	Tetrachloroethene	0.314	0.310	1.3	79	0.00
62 M	Toluene	1.709	1.664	2.6	79	0.00
63 S	Toluene-d8	1.420	1.438	-1.3	84	0.00
64 M	Chlorobenzene	1.032	1.024	0.8	80	0.00
65	1,1,1,2-Tetrachloroethane	0.379	0.392	-3.4	83	0.00
66 M	Ethyl Benzene	1.796	1.629	9.3	75	0.00
67 M	m/p-Xylenes	0.687	0.652	5.1	77	0.00
68 M	o-Xylene	0.663	0.629	5.1	77	0.00
69 M	Styrene	1.112	1.068	4.0	79	0.00
70	Isopropylbenzene	1.647	1.536	6.7	77	0.00
71 M	1,1,2,2-Tetrachloroethane	0.534	0.587	-9.9	87	0.00
72	1,2,3-Trichloropropane	0.456	0.536	-17.5	86	0.00
73	Bromobenzene	0.425	0.415	2.4	79	0.00
74	n-propylbenzene	1.926	1.789	7.1	77	0.00
75	2-Chlorotoluene	1.255	1.159	7.6	76	0.00
76	1,3,5-Trimethylbenzene	1.408	1.356	3.7	79	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.182	2.7	80	0.00
78	4-Chlorotoluene	1.268	1.162	8.4	75	0.00
79	tert-butylbenzene	1.164	1.084	6.9	80	0.00
80	1,2,4-Trimethylbenzene	1.420	1.365	3.9	79	0.00
81	sec-Butylbenzene	1.604	1.465	8.7	77	0.00
82	p-Isopropyltoluene	1.348	1.228	8.9	77	0.00
83 M	1,3-Dichlorobenzene	0.786	0.748	4.8	77	0.00
84 M	1,4-Dichlorobenzene	0.776	0.719	7.3	77	0.00
85	n-Butylbenzene	1.132	0.926	18.2	73	0.00
86 T	Hexachloroethane	0.276	0.258	6.5	76	0.00
87 M	1,2-Dichlorobenzene	0.774	0.751	3.0	77	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.105	-1.9	82	0.00
89	1,2,4-Trichlorobenzene	0.377	0.338	10.3	74	0.00
90	Hexachlorobutadiene	0.165	0.168	-1.8	84	0.00
91 M	Naphthalene	1.204	1.051	12.7	79	0.00
92	1,2,3-Trichlorobenzene	0.377	0.338	10.3	74	0.00

(#) = Out of Range

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