

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN010419\
 Data File : VN053276.D
 Acq On : 4 Jan 2019 8:55
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 04 10:01:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	86	0.00
2 M	Dichlorodifluoromethane	1.999	1.866	6.7	79	0.00
3 M	Chloromethane	2.346	2.106	10.2	78	0.00
4 M	Vinyl Chloride	2.309	1.995	13.6	74	0.00
5 M	Bromomethane	1.488	1.323	11.1	79	0.00
6 M	Chloroethane	1.330	1.167	12.3	76	0.00
7 M	Trichlorofluoromethane	2.851	2.570	9.9	79	0.00
8 T	Diethyl Ether	1.059	0.925	12.7	77	0.00
9	1,1,2-Trichlorotrifluoroeth	1.791	1.648	8.0	80	0.00
10 M	1,1-Dichloroethene	1.748	1.506	13.8	76	0.00
11	Methyl Iodide	2.560	2.262	11.6	78	0.00
12	Methyl Acetate	1.362	1.245	8.6	84	0.00
13 M	Acrolein	0.163	0.164	-0.6	91	0.00
14 M	Acrylonitrile	0.610	0.567	7.0	81	0.00
15 M	Acetone	0.130	0.159	-22.3	105	0.00
16 M	Carbon Disulfide	5.377	4.616	14.2	76	0.00
17	Allyl chloride	2.750	2.241	18.5	69	0.00
18 M	Methylene Chloride	2.001	1.756	12.2	77	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.622	12.2	77	0.00
20 T	Diisopropyl ether	5.889	5.122	13.0	75	0.00
21 M	1,1-Dichloroethane	3.429	3.001	12.5	76	0.00
22 M	cis-1,2-Dichloroethene	2.081	1.815	12.8	77	0.00
23 M	tert-Butyl Alcohol	0.103	0.094	8.7	83	0.00
24 M	Methyl tert-Butyl Ether	4.558	3.948	13.4	75	0.00
25 M	Chloroform	3.296	2.952	10.4	78	0.00
26	Cyclohexane	3.198	2.682	16.1	74	0.00
27 s	1,2-Dichloroethane-d4	1.906	1.893	0.7	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
29	1,1-Dichloropropene	0.454	0.412	9.3	77	0.00
30 M	2-Butanone	0.113	0.122	-8.0	88	0.00
31	2,2-Dichloropropane	0.440	0.392	10.9	75	0.00
32 M	1,1,1-Trichloroethane	0.476	0.432	9.2	76	0.00
33 M	Carbon Tetrachloride	0.417	0.377	9.6	76	0.00
34 M	Benzene	1.366	1.255	8.1	76	0.00
35	Methacrylonitrile	0.146	0.137	6.2	76	-0.01
36 M	1,2-Dichloroethane	0.396	0.370	6.6	76	0.00
37 M	Trichloroethene	0.370	0.345	6.8	78	0.00
38	Methylcyclohexane	0.532	0.483	9.2	78	0.00
39 M	1,2-Dichloropropane	0.357	0.328	8.1	77	0.00
40	Dibromomethane	0.202	0.188	6.9	78	0.00
41 M	Bromodichloromethane	0.433	0.404	6.7	79	0.00
42 M	Vinyl Acetate	0.619	0.567	8.4	76	0.00
43	Ethyl Acetate	0.253	0.076	70.0#	24	0.28
44	Isopropyl Acetate	0.472	0.447	5.3	81	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	78	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.238	0.217	8.8	77	0.00
47	n-amyl Acetate	0.414	0.364	12.1	77	0.00
48 M	t-1,3-Dichloropropene	0.442	0.391	11.5	75	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.466	10.6	76	0.00
50 M	1,1,2-Trichloroethane	0.289	0.274	5.2	78	0.00
51	Ethyl methacrylate	0.377	0.342	9.3	78	0.00
52	1,3-Dichloropropane	0.498	0.467	6.2	78	0.00
53 M	Dibromochloromethane	0.325	0.298	8.3	79	0.00
54 M	1,2-Dibromoethane	0.292	0.269	7.9	77	0.00
55 M	2-Chloroethyl vinyl ether	0.216	0.213	1.4	82	0.00
56 M	Bromoform	0.222	0.201	9.5	78	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.286	0.275	3.8	80	0.00
59 M	2-Hexanone	0.197	0.196	0.5	82	0.00
60 S	4-Bromofluorobenzene	0.459	0.468	-2.0	87	0.00
61 M	Tetrachloroethene	0.443	0.425	4.1	81	0.00
62 M	Toluene	1.645	1.497	9.0	78	0.00
63 S	Toluene-d8	1.352	1.369	-1.3	84	0.00
64 M	Chlorobenzene	1.032	0.937	9.2	78	0.00
65	1,1,1,2-Tetrachloroethane	0.362	0.326	9.9	77	0.00
66 M	Ethyl Benzene	1.784	1.581	11.4	76	0.00
67 M	m/p-Xylenes	0.675	0.622	7.9	79	0.00
68 M	o-Xylene	0.654	0.594	9.2	78	0.00
69 M	Styrene	1.067	0.971	9.0	78	0.00
70	Isopropylbenzene	1.720	1.563	9.1	78	0.00
71 M	1,1,2,2-Tetrachloroethane	0.362	0.326	9.9	77	0.00
72	1,2,3-Trichloropropane	0.317	0.292	7.9	76	0.00
73	Bromobenzene	0.442	0.408	7.7	78	0.00
74	n-propylbenzene	1.948	1.811	7.0	80	0.00
75	2-Chlorotoluene	1.153	1.067	7.5	78	0.00
76	1,3,5-Trimethylbenzene	1.365	1.285	5.9	80	0.00
77	t-1,4-Dichloro-2-butene	0.111	0.093	16.2	75	0.00
78	4-Chlorotoluene	1.174	1.088	7.3	80	0.00
79	tert-butylbenzene	1.190	1.108	6.9	80	0.00
80	1,2,4-Trimethylbenzene	1.368	1.292	5.6	80	0.00
81	sec-Butylbenzene	1.576	1.501	4.8	82	0.00
82	p-Isopropyltoluene	1.362	1.311	3.7	83	0.00
83 M	1,3-Dichlorobenzene	0.753	0.711	5.6	81	0.00
84 M	1,4-Dichlorobenzene	0.734	0.686	6.5	81	0.00
85	n-Butylbenzene	1.108	1.052	5.1	83	0.00
86 T	Hexachloroethane	0.217	0.190	12.4	77	0.00
87 M	1,2-Dichlorobenzene	0.700	0.639	8.7	76	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.032#	38.5#	52	0.00
89	1,2,4-Trichlorobenzene	0.340	0.130	61.8#	34	0.00
90	Hexachlorobutadiene	0.206	0.154	25.2	60	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.183	74.6#	23	0.00
92	1,2,3-Trichlorobenzene	0.303	0.073	75.9#	22	0.00

(#) = Out of Range

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