

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056809.D
 Acq On : 18 Jul 2019 12:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 19 05:53:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 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	1.705	1.741	-2.1	84	0.00
3 M	Chloromethane	2.280	2.299	-0.8	84	0.00
4 M	Vinyl Chloride	2.242	2.245	-0.1	84	0.00
5 M	Bromomethane	1.413	1.394	1.3	85	0.00
6 M	Chloroethane	1.281	1.267	1.1	84	0.00
7 M	Trichlorofluoromethane	2.876	2.927	-1.8	84	0.00
8 T	Diethyl Ether	1.176	1.165	0.9	85	0.00
9	1,1,2-Trichlorotrifluoroeth	1.793	1.811	-1.0	84	0.00
10 M	1,1-Dichloroethene	1.769	1.762	0.4	86	0.00
11	Methyl Iodide	2.351	2.179	7.3	81	0.00
12	Methyl Acetate	2.368	2.215	6.5	87	0.00
13 M	Acrolein	0.167	0.187	-12.0	107	0.00
14 M	Acrylonitrile	1.043	1.049	-0.6	89	0.00
15 M	Acetone	0.360	0.330	8.3	67	0.00
16 M	Carbon Disulfide	4.667	4.358	6.6	83	0.00
17	Allyl chloride	3.095	2.997	3.2	85	0.00
18 M	Methylene Chloride	2.077	2.069	0.4	85	0.00
19 M	trans-1,2-Dichloroethene	1.894	1.860	1.8	84	0.00
20 T	Diisopropyl ether	6.167	6.282	-1.9	87	0.00
21 M	1,1-Dichloroethane	3.524	3.571	-1.3	87	0.00
22 M	cis-1,2-Dichloroethene	2.215	2.225	-0.5	86	0.00
23 M	tert-Butyl Alcohol	0.364	0.370	-1.6	89	0.00
24 M	Methyl tert-Butyl Ether	5.644	5.685	-0.7	88	0.00
25 M	Chloroform	3.433	3.523	-2.6	87	0.00
26	Cyclohexane	3.275	3.188	2.7	82	0.00
27 s	1,2-Dichloroethane-d4	2.032	2.012	1.0	86	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.477	0.478	-0.2	83	0.00
30 M	2-Butanone	0.276	0.269	2.5	77	0.00
31	2,2-Dichloropropane	0.462	0.482	-4.3	88	0.00
32 M	1,1,1-Trichloroethane	0.508	0.527	-3.7	87	0.00
33 M	Carbon Tetrachloride	0.437	0.447	-2.3	86	0.00
34 M	Benzene	1.465	1.521	-3.8	86	0.00
35	Methacrylonitrile	0.211	0.201	4.7	91	0.00
36 M	1,2-Dichloroethane	0.471	0.489	-3.8	86	0.00
37 M	Trichloroethene	0.398	0.404	-1.5	85	0.00
38	Methylcyclohexane	0.602	0.589	2.2	81	0.00
39 M	1,2-Dichloropropane	0.393	0.408	-3.8	86	0.00
40	Dibromomethane	0.251	0.259	-3.2	87	0.00
41 M	Bromodichloromethane	0.462	0.471	-1.9	86	0.00
42 M	Vinyl Acetate	0.919	0.946	-2.9	86	0.00
43	Ethyl Acetate	0.499	0.503	-0.8	84	0.00
44	Isopropyl Acetate	0.778	0.770	1.0	86	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	87	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.374	0.370	1.1	84	0.00
47	n-amyl Acetate	0.636	0.599	5.8	84	0.00
48 M	t-1,3-Dichloropropene	0.508	0.500	1.6	87	0.00
49 T	cis-1,3-Dichloropropene	0.573	0.582	-1.6	88	0.00
50 M	1,1,2-Trichloroethane	0.365	0.386	-5.8	90	0.00
51	Ethyl methacrylate	0.561	0.559	0.4	86	0.00
52	1,3-Dichloropropane	0.611	0.644	-5.4	87	0.00
53 M	Dibromochloromethane	0.369	0.376	-1.9	89	0.00
54 M	1,2-Dibromoethane	0.379	0.388	-2.4	87	0.00
55 M	2-Chloroethyl vinyl ether	0.271	0.259	4.4	82	0.00
56 M	Bromoform	0.273	0.269	1.5	89	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.586	-3.7	87	0.00
59 M	2-Hexanone	0.429	0.424	1.2	80	0.00
60 S	4-Bromofluorobenzene	0.459	0.461	-0.4	85	0.00
61 M	Tetrachloroethene	0.431	0.475	-10.2	89	0.00
62 M	Toluene	1.762	1.835	-4.1	86	0.00
63 S	Toluene-d8	1.371	1.388	-1.2	83	0.00
64 M	Chlorobenzene	1.075	1.101	-2.4	86	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.419	-6.3	89	0.00
66 M	Ethyl Benzene	1.905	1.925	-1.0	84	0.00
67 M	m/p-Xylenes	0.719	0.733	-1.9	84	0.00
68 M	o-Xylene	0.701	0.721	-2.9	87	0.00
69 M	Styrene	1.162	1.153	0.8	84	0.00
70	Isopropylbenzene	1.838	1.884	-2.5	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.596	0.625	-4.9	88	0.00
72	1,2,3-Trichloropropane	0.510	0.547	-7.3	89	0.00
73	Bromobenzene	0.480	0.486	-1.3	85	0.00
74	n-propylbenzene	2.073	2.061	0.6	82	0.00
75	2-Chlorotoluene	1.249	1.246	0.2	82	0.00
76	1,3,5-Trimethylbenzene	1.567	1.598	-2.0	83	0.00
77	t-1,4-Dichloro-2-butene	0.169	0.155	8.3	84	0.00
78	4-Chlorotoluene	1.211	1.176	2.9	81	0.00
79	tert-butylbenzene	1.333	1.367	-2.6	85	0.00
80	1,2,4-Trimethylbenzene	1.555	1.567	-0.8	83	0.00
81	sec-Butylbenzene	1.765	1.763	0.1	82	0.00
82	p-Isopropyltoluene	1.605	1.606	-0.1	82	0.00
83 M	1,3-Dichlorobenzene	0.800	0.771	3.6	82	0.00
84 M	1,4-Dichlorobenzene	0.767	0.712	7.2	80	0.00
85	n-Butylbenzene	1.324	1.210	8.6	77	0.00
86 T	Hexachloroethane	0.252	0.256	-1.6	87	0.00
87 M	1,2-Dichlorobenzene	0.804	0.796	1.0	84	0.00
88	1,2-Dibromo-3-Chloropropane	0.103	0.098	4.9	85	0.00
89	1,2,4-Trichlorobenzene	0.433	0.336	22.4	74	0.00
90	Hexachlorobutadiene	0.281	0.285	-1.4	83	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.164	0.826	29.0	72	0.00
92	1,2,3-Trichlorobenzene	0.454	0.363	20.0	75	0.00

(#) = Out of Range

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