

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050687.D
 Acq On : 16 Aug 2018 5:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 16 08:16:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 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	88	0.00
2 M	Dichlorodifluoromethane	2.067	1.622	21.5	61	0.00
3 M	Chloromethane	2.131	2.126	0.2	84	0.00
4 M	Vinyl Chloride	2.269	2.209	2.6	81	0.00
5 M	Bromomethane	1.383	1.187	14.2	73	0.00
6 M	Chloroethane	1.342	1.349	-0.5	84	0.00
7 M	Trichlorofluoromethane	2.965	2.890	2.5	80	0.00
8 T	Diethyl Ether	0.995	0.988	0.7	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.804	1.732	4.0	79	0.00
10 M	1,1-Dichloroethene	1.599	1.596	0.2	84	0.00
11	Methyl Iodide	2.354	1.128	52.1#	42	0.00
12	Methyl Acetate	1.832	1.485	18.9	68	0.00
13 M	Acrolein	0.113	0.031#	72.6#	27	0.00
14 M	Acrylonitrile	0.611	0.574	6.1	83	0.00
15 M	Acetone	0.162	0.173	-6.8	89	0.00
16 M	Carbon Disulfide	4.895	4.861	0.7	85	0.00
17	Allyl chloride	2.526	2.337	7.5	82	0.00
18 M	Methylene Chloride	1.846	1.940	-5.1	89	0.00
19 M	trans-1,2-Dichloroethene	1.712	1.784	-4.2	88	0.00
20 T	Diisopropyl ether	5.179	5.551	-7.2	91	0.00
21 M	1,1-Dichloroethane	3.257	3.359	-3.1	88	0.00
22 M	cis-1,2-Dichloroethene	1.899	1.957	-3.1	89	0.00
23 M	tert-Butyl Alcohol	0.137	0.111	19.0	73	0.00
24 M	Methyl tert-Butyl Ether	4.362	4.283	1.8	85	0.00
25 M	Chloroform	3.297	3.380	-2.5	87	0.00
26	Cyclohexane	2.588	2.687	-3.8	89	0.00
27 s	1,2-Dichloroethane-d4	2.039	1.988	2.5	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
29	1,1-Dichloropropene	0.466	0.456	2.1	86	0.00
30 M	2-Butanone	0.146	0.144	1.4	92	0.00
31	2,2-Dichloropropane	0.515	0.270	47.6#	47	0.00
32 M	1,1,1-Trichloroethane	0.548	0.522	4.7	85	0.00
33 M	Carbon Tetrachloride	0.489	0.464	5.1	86	0.00
34 M	Benzene	1.414	1.405	0.6	89	0.00
35	Methacrylonitrile	0.166	0.141	15.1	83	0.00
36 M	1,2-Dichloroethane	0.464	0.436	6.0	84	0.00
37 M	Trichloroethene	0.371	0.361	2.7	88	0.00
38	Methylcyclohexane	0.491	0.459	6.5	86	0.00
39 M	1,2-Dichloropropane	0.372	0.372	0.0	89	0.00
40	Dibromomethane	0.230	0.220	4.3	87	0.00
41 M	Bromodichloromethane	0.486	0.468	3.7	87	0.00
42 M	Vinyl Acetate	0.687	0.641	6.7	87	0.00
43	Ethyl Acetate	0.305	0.296	3.0	88	0.00
44	Isopropyl Acetate	0.565	0.549	2.8	89	0.00
45 T	1,4-Dioxane	0.004	0.003#	25.0	78	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.274	0.223	18.6	76	0.00
47	n-amyl Acetate	0.440	0.370	15.9	84	0.00
48 M	t-1,3-Dichloropropene	0.463	0.400	13.6	79	0.00
49 T	cis-1,3-Dichloropropene	0.544	0.483	11.2	82	0.00
50 M	1,1,2-Trichloroethane	0.330	0.314	4.8	86	0.00
51	Ethyl methacrylate	0.401	0.361	10.0	89	0.00
52	1,3-Dichloropropane	0.543	0.515	5.2	86	0.00
53 M	Dibromochloromethane	0.375	0.342	8.8	84	0.00
54 M	1,2-Dibromoethane	0.324	0.300	7.4	86	0.00
55 M	2-Chloroethyl vinyl ether	0.182	0.174	4.4	91	0.00
56 M	Bromoform	0.265	0.232	12.5	83	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.349	0.394	-12.9	100	0.00
59 M	2-Hexanone	0.238	0.247	-3.8	94	0.00
60 S	4-Bromofluorobenzene	0.461	0.452	2.0	90	0.00
61 M	Tetrachloroethene	0.406	0.404	0.5	84	0.00
62 M	Toluene	1.712	1.741	-1.7	88	0.00
63 S	Toluene-d8	1.433	1.460	-1.9	90	0.00
64 M	Chlorobenzene	1.038	1.048	-1.0	89	0.00
65	1,1,1,2-Tetrachloroethane	0.405	0.404	0.2	87	0.00
66 M	Ethyl Benzene	1.749	1.730	1.1	89	0.00
67 M	m/p-Xylenes	0.673	0.684	-1.6	88	0.00
68 M	o-Xylene	0.640	0.652	-1.9	91	0.00
69 M	Styrene	1.027	1.041	-1.4	89	0.00
70	Isopropylbenzene	1.706	1.717	-0.6	89	0.00
71 M	1,1,2,2-Tetrachloroethane	0.468	0.439	6.2	85	0.00
72	1,2,3-Trichloropropane	0.400	0.332	17.0	74	0.00
73	Bromobenzene	0.454	0.440	3.1	87	0.00
74	n-propylbenzene	1.987	1.911	3.8	84	0.00
75	2-Chlorotoluene	1.193	1.180	1.1	87	0.00
76	1,3,5-Trimethylbenzene	1.401	1.403	-0.1	86	0.00
77	t-1,4-Dichloro-2-butene	0.131	0.081	38.2#	60	0.00
78	4-Chlorotoluene	1.182	1.163	1.6	86	0.00
79	tert-butylbenzene	1.198	1.186	1.0	88	0.00
80	1,2,4-Trimethylbenzene	1.419	1.427	-0.6	87	0.00
81	sec-Butylbenzene	1.627	1.559	4.2	83	0.00
82	p-Isopropyltoluene	1.388	1.324	4.6	83	0.00
83 M	1,3-Dichlorobenzene	0.791	0.740	6.4	83	0.00
84 M	1,4-Dichlorobenzene	0.748	0.696	7.0	83	0.00
85	n-Butylbenzene	1.127	0.962	14.6	78	0.00
86 T	Hexachloroethane	0.277	0.252	9.0	80	0.00
87 M	1,2-Dichlorobenzene	0.773	0.731	5.4	82	0.00
88	1,2-Dibromo-3-Chloropropane	0.073	0.057	21.9	71	0.00
89	1,2,4-Trichlorobenzene	0.369	0.288	22.0	75	0.00
90	Hexachlorobutadiene	0.244	0.209	14.3	72	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.820	0.580	29.3	76	0.00
92	1,2,3-Trichlorobenzene	0.376	0.300	20.2	74	0.00

(#) = Out of Range

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