

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052714.D
 Acq On : 6 Dec 2018 23:05
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 07 07:46:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 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	91	0.00
2 M	Dichlorodifluoromethane	1.709	1.565	8.4	81	0.00
3 M	Chloromethane	2.266	2.145	5.3	85	0.00
4 M	Vinyl Chloride	2.287	2.248	1.7	89	0.00
5 M	Bromomethane	1.304	1.324	-1.5	93	0.00
6 M	Chloroethane	1.360	1.327	2.4	87	0.00
7 M	Trichlorofluoromethane	2.823	2.825	-0.1	91	0.00
8 T	Diethyl Ether	1.042	1.061	-1.8	95	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.747	2.3	86	0.00
10 M	1,1-Dichloroethene	1.682	1.693	-0.7	92	0.00
11	Methyl Iodide	2.336	2.511	-7.5	101	0.00
12	Methyl Acetate	1.429	1.539	-7.7	97	0.00
13 M	Acrolein	0.168	0.135	19.6	79	0.00
14 M	Acrylonitrile	0.609	0.637	-4.6	93	0.00
15 M	Acetone	0.158	0.141	10.8	75	0.00
16 M	Carbon Disulfide	5.326	4.926	7.5	85	0.00
17	Allyl chloride	2.934	2.657	9.4	82	0.00
18 M	Methylene Chloride	1.948	1.949	-0.1	91	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.810	0.0	92	0.00
20 T	Diisopropyl ether	6.166	6.154	0.2	90	0.00
21 M	1,1-Dichloroethane	3.514	3.515	-0.0	91	0.00
22 M	cis-1,2-Dichloroethene	2.075	2.108	-1.6	92	0.00
23 M	tert-Butyl Alcohol	0.091	0.097	-6.6	95	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.663	-5.7	96	0.00
25 M	Chloroform	3.390	3.445	-1.6	92	0.00
26	Cyclohexane	3.314	3.142	5.2	85	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.031	0.6	90	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.458	0.455	0.7	89	0.00
30 M	2-Butanone	0.123	0.121	1.6	87	0.00
31	2,2-Dichloropropane	0.422	0.391	7.3	85	0.00
32 M	1,1,1-Trichloroethane	0.477	0.488	-2.3	93	0.00
33 M	Carbon Tetrachloride	0.417	0.427	-2.4	93	0.00
34 M	Benzene	1.377	1.390	-0.9	91	0.00
35	Methacrylonitrile	0.152	0.156	-2.6	91	0.00
36 M	1,2-Dichloroethane	0.417	0.431	-3.4	93	0.00
37 M	Trichloroethene	0.349	0.358	-2.6	93	0.00
38	Methylcyclohexane	0.567	0.534	5.8	84	0.00
39 M	1,2-Dichloropropane	0.369	0.371	-0.5	91	0.00
40	Dibromomethane	0.200	0.212	-6.0	96	0.00
41 M	Bromodichloromethane	0.441	0.448	-1.6	93	0.00
42 M	Vinyl Acetate	0.663	0.669	-0.9	92	0.00
43	Ethyl Acetate	0.261	0.303	-16.1	102	0.00
44	Isopropyl Acetate	0.457	0.492	-7.7	99	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	90	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.237	0.252	-6.3	97	0.00
47	n-amyl Acetate	0.379	0.386	-1.8	97	0.00
48 M	t-1,3-Dichloropropene	0.427	0.425	0.5	95	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.515	1.2	91	0.00
50 M	1,1,2-Trichloroethane	0.283	0.306	-8.1	96	0.00
51	Ethyl methacrylate	0.355	0.379	-6.8	100	0.00
52	1,3-Dichloropropane	0.503	0.526	-4.6	94	0.00
53 M	Dibromochloromethane	0.311	0.325	-4.5	95	0.00
54 M	1,2-Dibromoethane	0.276	0.294	-6.5	97	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.206	1.0	88	0.00
56 M	Bromoform	0.204	0.217	-6.4	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.317	-8.9	95	0.00
59 M	2-Hexanone	0.199	0.205	-3.0	89	0.00
60 S	4-Bromofluorobenzene	0.459	0.447	2.6	88	0.00
61 M	Tetrachloroethene	0.369	0.410	-11.1	97	0.00
62 M	Toluene	1.654	1.685	-1.9	90	0.00
63 S	Toluene-d8	1.391	1.380	0.8	88	0.00
64 M	Chlorobenzene	1.009	1.030	-2.1	92	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.369	-5.4	96	0.00
66 M	Ethyl Benzene	1.782	1.802	-1.1	91	0.00
67 M	m/p-Xylenes	0.664	0.676	-1.8	90	0.00
68 M	o-Xylene	0.645	0.654	-1.4	91	0.00
69 M	Styrene	1.040	1.059	-1.8	91	0.00
70	Isopropylbenzene	1.715	1.763	-2.8	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.407	-9.1	96	0.00
72	1,2,3-Trichloropropane	0.320	0.342	-6.9	101	0.00
73	Bromobenzene	0.415	0.436	-5.1	95	0.00
74	n-propylbenzene	1.998	1.969	1.5	87	0.00
75	2-Chlorotoluene	1.160	1.186	-2.2	91	0.00
76	1,3,5-Trimethylbenzene	1.385	1.415	-2.2	90	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.098	3.0	92	0.00
78	4-Chlorotoluene	1.158	1.170	-1.0	90	0.00
79	tert-butylbenzene	1.206	1.254	-4.0	92	0.00
80	1,2,4-Trimethylbenzene	1.386	1.417	-2.2	90	0.00
81	sec-Butylbenzene	1.680	1.691	-0.7	89	0.00
82	p-Isopropyltoluene	1.431	1.430	0.1	89	0.00
83 M	1,3-Dichlorobenzene	0.729	0.744	-2.1	92	0.00
84 M	1,4-Dichlorobenzene	0.705	0.709	-0.6	91	0.00
85	n-Butylbenzene	1.229	1.124	8.5	82	0.00
86 T	Hexachloroethane	0.242	0.240	0.8	90	0.00
87 M	1,2-Dichlorobenzene	0.694	0.731	-5.3	93	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.058	-11.5	102	0.00
89	1,2,4-Trichlorobenzene	0.342	0.333	2.6	91	0.00
90	Hexachlorobutadiene	0.224	0.230	-2.7	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.691	0.696	-0.7	94	0.00
92	1,2,3-Trichlorobenzene	0.315	0.328	-4.1	96	0.00

(#) = Out of Range

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