

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN121218\
 Data File : VN052817.D
 Acq On : 12 Dec 2018 10:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 13 03:52:36 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	88	0.00
2 M	Dichlorodifluoromethane	1.709	1.463	14.4	73	0.00
3 M	Chloromethane	2.266	1.849	18.4	71	0.00
4 M	Vinyl Chloride	2.287	1.930	15.6	74	0.00
5 M	Bromomethane	1.304	1.249	4.2	85	0.00
6 M	Chloroethane	1.360	1.194	12.2	76	0.00
7 M	Trichlorofluoromethane	2.823	2.578	8.7	80	0.00
8 T	Diethyl Ether	1.042	0.956	8.3	82	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.673	6.5	79	0.00
10 M	1,1-Dichloroethene	1.682	1.542	8.3	81	0.00
11	Methyl Iodide	2.336	1.958	16.2	76	0.00
12	Methyl Acetate	1.429	1.384	3.1	84	0.00
13 M	Acrolein	0.168	0.111	33.9#	62	0.00
14 M	Acrylonitrile	0.609	0.575	5.6	80	0.00
15 M	Acetone	0.158	0.156	1.3	79	0.00
16 M	Carbon Disulfide	5.326	4.394	17.5	73	0.00
17	Allyl chloride	2.934	2.351	19.9	70	0.00
18 M	Methylene Chloride	1.948	1.797	7.8	81	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.662	8.2	81	0.00
20 T	Diisopropyl ether	6.166	5.551	10.0	78	0.00
21 M	1,1-Dichloroethane	3.514	3.206	8.8	80	0.00
22 M	cis-1,2-Dichloroethene	2.075	1.921	7.4	81	0.00
23 M	tert-Butyl Alcohol	0.091	0.101	-11.0	95	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.289	2.8	85	0.00
25 M	Chloroform	3.390	3.136	7.5	81	0.00
26	Cyclohexane	3.314	2.885	12.9	76	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.004	2.0	86	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.458	0.409	10.7	79	0.00
30 M	2-Butanone	0.123	0.116	5.7	82	0.00
31	2,2-Dichloropropane	0.422	0.401	5.0	86	0.00
32 M	1,1,1-Trichloroethane	0.477	0.435	8.8	82	0.00
33 M	Carbon Tetrachloride	0.417	0.382	8.4	82	0.00
34 M	Benzene	1.377	1.223	11.2	79	0.00
35	Methacrylonitrile	0.152	0.128	15.8	74	0.00
36 M	1,2-Dichloroethane	0.417	0.375	10.1	80	0.00
37 M	Trichloroethene	0.349	0.331	5.2	85	0.00
38	Methylcyclohexane	0.567	0.505	10.9	78	0.00
39 M	1,2-Dichloropropane	0.369	0.329	10.8	80	0.00
40	Dibromomethane	0.200	0.185	7.5	82	0.00
41 M	Bromodichloromethane	0.441	0.396	10.2	81	0.00
42 M	Vinyl Acetate	0.663	0.573	13.6	78	0.00
43	Ethyl Acetate	0.261	0.242	7.3	80	0.00
44	Isopropyl Acetate	0.457	0.453	0.9	90	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	0.225	5.1	86	0.00
47	n-amyl Acetate	0.379	0.379	0.0	94	0.00
48 M	t-1,3-Dichloropropene	0.427	0.394	7.7	87	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.468	10.2	82	0.00
50 M	1,1,2-Trichloroethane	0.283	0.267	5.7	82	0.00
51	Ethyl methacrylate	0.355	0.344	3.1	90	0.00
52	1,3-Dichloropropane	0.503	0.463	8.0	81	0.00
53 M	Dibromochloromethane	0.311	0.296	4.8	85	0.00
54 M	1,2-Dibromoethane	0.276	0.265	4.0	86	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.217	-4.3	92	0.00
56 M	Bromoform	0.204	0.193	5.4	87	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.281	3.4	84	0.00
59 M	2-Hexanone	0.199	0.197	1.0	86	0.00
60 S	4-Bromofluorobenzene	0.459	0.464	-1.1	91	0.00
61 M	Tetrachloroethene	0.369	0.397	-7.6	94	0.00
62 M	Toluene	1.654	1.496	9.6	80	0.00
63 S	Toluene-d8	1.391	1.353	2.7	86	0.00
64 M	Chlorobenzene	1.009	0.942	6.6	84	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.335	4.3	87	0.00
66 M	Ethyl Benzene	1.782	1.625	8.8	82	0.00
67 M	m/p-Xylenes	0.664	0.619	6.8	83	0.00
68 M	o-Xylene	0.645	0.606	6.0	84	0.00
69 M	Styrene	1.040	0.971	6.6	83	0.00
70	Isopropylbenzene	1.715	1.604	6.5	83	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.352	5.6	83	0.00
72	1,2,3-Trichloropropane	0.320	0.324	-1.3	95	0.00
73	Bromobenzene	0.415	0.406	2.2	89	0.00
74	n-propylbenzene	1.998	1.851	7.4	82	0.00
75	2-Chlorotoluene	1.160	1.094	5.7	83	0.00
76	1,3,5-Trimethylbenzene	1.385	1.309	5.5	83	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.093	7.9	88	0.00
78	4-Chlorotoluene	1.158	1.088	6.0	84	0.00
79	tert-butylbenzene	1.206	1.164	3.5	85	0.00
80	1,2,4-Trimethylbenzene	1.386	1.316	5.1	83	0.00
81	sec-Butylbenzene	1.680	1.596	5.0	84	0.00
82	p-Isopropyltoluene	1.431	1.372	4.1	85	0.00
83 M	1,3-Dichlorobenzene	0.729	0.722	1.0	89	0.00
84 M	1,4-Dichlorobenzene	0.705	0.706	-0.1	90	0.00
85	n-Butylbenzene	1.229	1.130	8.1	82	0.00
86 T	Hexachloroethane	0.242	0.219	9.5	82	0.00
87 M	1,2-Dichlorobenzene	0.694	0.691	0.4	88	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.052	0.0	92	0.00
89	1,2,4-Trichlorobenzene	0.342	0.390	-14.0	106	0.00
90	Hexachlorobutadiene	0.224	0.242	-8.0	91	0.00

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91 M	Naphthalene	0.691	0.803	-16.2	108	0.00
92	1,2,3-Trichlorobenzene	0.315	0.363	-15.2	106	0.00

(#) = Out of Range

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