

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN121018\
 Data File : VN052764.D
 Acq On : 10 Dec 2018 20:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 11 01:18:38 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	94	0.00
2 M	Dichlorodifluoromethane	1.709	1.492	12.7	79	0.00
3 M	Chloromethane	2.266	1.978	12.7	81	0.00
4 M	Vinyl Chloride	2.287	2.076	9.2	85	0.00
5 M	Bromomethane	1.304	1.105	15.3	80	0.00
6 M	Chloroethane	1.360	1.266	6.9	86	0.00
7 M	Trichlorofluoromethane	2.823	2.687	4.8	89	0.00
8 T	Diethyl Ether	1.042	1.044	-0.2	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.789	1.645	8.0	83	0.00
10 M	1,1-Dichloroethene	1.682	1.603	4.7	90	0.00
11	Methyl Iodide	2.336	2.006	14.1	83	0.00
12	Methyl Acetate	1.429	1.506	-5.4	98	0.00
13 M	Acrolein	0.168	0.095	43.5#	57	0.00
14 M	Acrylonitrile	0.609	0.626	-2.8	94	0.00
15 M	Acetone	0.158	0.142	10.1	77	0.00
16 M	Carbon Disulfide	5.326	4.467	16.1	79	0.00
17	Allyl chloride	2.934	2.527	13.9	80	0.00
18 M	Methylene Chloride	1.948	1.901	2.4	92	0.00
19 M	trans-1,2-Dichloroethene	1.810	1.739	3.9	91	0.00
20 T	Diisopropyl ether	6.166	5.904	4.2	89	0.00
21 M	1,1-Dichloroethane	3.514	3.384	3.7	91	0.00
22 M	cis-1,2-Dichloroethene	2.075	2.039	1.7	92	0.00
23 M	tert-Butyl Alcohol	0.091	0.109	-19.8	110	0.00
24 M	Methyl tert-Butyl Ether	4.413	4.666	-5.7	99	0.00
25 M	Chloroform	3.390	3.301	2.6	91	0.00
26	Cyclohexane	3.314	2.957	10.8	83	0.00
27 s	1,2-Dichloroethane-d4	2.044	2.002	2.1	91	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
29	1,1-Dichloropropene	0.458	0.434	5.2	88	0.00
30 M	2-Butanone	0.123	0.121	1.6	90	0.00
31	2,2-Dichloropropane	0.422	0.400	5.2	90	0.00
32 M	1,1,1-Trichloroethane	0.477	0.477	0.0	94	0.00
33 M	Carbon Tetrachloride	0.417	0.407	2.4	92	0.00
34 M	Benzene	1.377	1.338	2.8	90	0.00
35	Methacrylonitrile	0.152	0.155	-2.0	94	0.00
36 M	1,2-Dichloroethane	0.417	0.410	1.7	92	0.00
37 M	Trichloroethene	0.349	0.359	-2.9	97	0.00
38	Methylcyclohexane	0.567	0.503	11.3	82	0.00
39 M	1,2-Dichloropropane	0.369	0.356	3.5	90	0.00
40	Dibromomethane	0.200	0.204	-2.0	95	0.00
41 M	Bromodichloromethane	0.441	0.429	2.7	92	0.00
42 M	Vinyl Acetate	0.663	0.617	6.9	88	0.00
43	Ethyl Acetate	0.261	0.273	-4.6	95	0.00
44	Isopropyl Acetate	0.457	0.555	-21.4	115	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	94	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.237	0.248	-4.6	99	0.00
47	n-amyl Acetate	0.379	0.421	-11.1	110	0.00
48 M	t-1,3-Dichloropropene	0.427	0.417	2.3	96	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.500	4.0	92	0.00
50 M	1,1,2-Trichloroethane	0.283	0.294	-3.9	95	0.00
51	Ethyl methacrylate	0.355	0.385	-8.5	105	0.00
52	1,3-Dichloropropane	0.503	0.508	-1.0	94	0.00
53 M	Dibromochloromethane	0.311	0.316	-1.6	95	0.00
54 M	1,2-Dibromoethane	0.276	0.288	-4.3	98	0.00
55 M	2-Chloroethyl vinyl ether	0.208	0.219	-5.3	97	0.00
56 M	Bromoform	0.204	0.211	-3.4	99	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	0.291	0.318	-9.3	99	0.00
59 M	2-Hexanone	0.199	0.212	-6.5	96	0.00
60 S	4-Bromofluorobenzene	0.459	0.455	0.9	93	0.00
61 M	Tetrachloroethene	0.369	0.430	-16.5	106	0.00
62 M	Toluene	1.654	1.622	1.9	90	0.00
63 S	Toluene-d8	1.391	1.344	3.4	89	0.00
64 M	Chlorobenzene	1.009	1.010	-0.1	93	0.00
65	1,1,1,2-Tetrachloroethane	0.350	0.354	-1.1	96	0.00
66 M	Ethyl Benzene	1.782	1.732	2.8	90	0.00
67 M	m/p-Xylenes	0.664	0.659	0.8	91	0.00
68 M	o-Xylene	0.645	0.649	-0.6	94	0.00
69 M	Styrene	1.040	1.033	0.7	92	0.00
70	Isopropylbenzene	1.715	1.716	-0.1	93	0.00
71 M	1,1,2,2-Tetrachloroethane	0.373	0.389	-4.3	95	0.00
72	1,2,3-Trichloropropane	0.320	0.341	-6.6	104	0.00
73	Bromobenzene	0.415	0.432	-4.1	98	0.00
74	n-propylbenzene	1.998	1.937	3.1	89	0.00
75	2-Chlorotoluene	1.160	1.161	-0.1	92	0.00
76	1,3,5-Trimethylbenzene	1.385	1.375	0.7	91	0.00
77	t-1,4-Dichloro-2-butene	0.101	0.098	3.0	96	0.00
78	4-Chlorotoluene	1.158	1.158	0.0	93	0.00
79	tert-butylbenzene	1.206	1.229	-1.9	93	0.00
80	1,2,4-Trimethylbenzene	1.386	1.424	-2.7	94	0.00
81	sec-Butylbenzene	1.680	1.643	2.2	90	0.00
82	p-Isopropyltoluene	1.431	1.421	0.7	92	0.00
83 M	1,3-Dichlorobenzene	0.729	0.747	-2.5	96	0.00
84 M	1,4-Dichlorobenzene	0.705	0.736	-4.4	98	0.00
85	n-Butylbenzene	1.229	1.148	6.6	87	0.00
86 T	Hexachloroethane	0.242	0.231	4.5	90	0.00
87 M	1,2-Dichlorobenzene	0.694	0.737	-6.2	98	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.060	-15.4	108	0.00
89	1,2,4-Trichlorobenzene	0.342	0.388	-13.5	110	0.00
90	Hexachlorobutadiene	0.224	0.220	1.8	86	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.691	0.864	-25.0	121	0.00
92	1,2,3-Trichlorobenzene	0.315	0.362	-14.9	109	0.00

(#) = Out of Range

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