

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102418\
 Data File : VN051997.D
 Acq On : 24 Oct 2018 19:20
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 25 01:43:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 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	119	0.00
2 M	Dichlorodifluoromethane	1.166	1.203	-3.2	124	0.00
3 M	Chloromethane	1.232	1.057	14.2	99	0.00
4 M	Vinyl Chloride	1.840	1.322	28.2	81	0.00
5 M	Bromomethane	1.625	1.339	17.6	98	0.00
6 M	Chloroethane	1.326	1.015	23.5	86	0.00
7 M	Trichlorofluoromethane	2.623	2.585	1.4	126	0.00
8 T	Diethyl Ether	0.763	0.767	-0.5	116	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.588	-6.3	122	0.00
10 M	1,1-Dichloroethene	1.381	1.423	-3.0	118	0.00
11	Methyl Iodide	2.008	2.362	-17.6	144	0.00
12	Methyl Acetate	0.858	0.872	-1.6	116	0.00
13 M	Acrolein	0.057	0.015#	73.7#	32	0.00
14 M	Acrylonitrile	0.383	0.341	11.0	104	0.00
15 M	Acetone	0.095	0.074	22.1	88	0.00
16 M	Carbon Disulfide	3.627	2.866	21.0	95	0.00
17	Allyl chloride	1.640	1.292	21.2	89	0.00
18 M	Methylene Chloride	1.544	1.651	-6.9	123	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.551	1.6	114	0.00
20 T	Diisopropyl ether	3.652	3.410	6.6	107	0.00
21 M	1,1-Dichloroethane	2.552	2.439	4.4	109	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.863	-0.6	119	0.00
23 M	tert-Butyl Alcohol	0.101	0.051	49.5#	60	-0.01
24 M	Methyl tert-Butyl Ether	3.979	3.635	8.6	107	0.00
25 M	Chloroform	3.027	3.014	0.4	115	0.00
26	Cyclohexane	2.163	1.875	13.3	100	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.744	4.4	108	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
29	1,1-Dichloropropene	0.387	0.362	6.5	111	0.00
30 M	2-Butanone	0.081	0.061	24.7	88	0.00
31	2,2-Dichloropropane	0.455	0.362	20.4	93	0.00
32 M	1,1,1-Trichloroethane	0.513	0.477	7.0	111	0.00
33 M	Carbon Tetrachloride	0.464	0.420	9.5	108	0.00
34 M	Benzene	1.144	1.115	2.5	114	0.00
35	Methacrylonitrile	0.106	0.065	38.7#	75	-0.02
36 M	1,2-Dichloroethane	0.367	0.352	4.1	113	0.00
37 M	Trichloroethene	0.355	0.357	-0.6	119	0.00
38	Methylcyclohexane	0.496	0.422	14.9	101	0.00
39 M	1,2-Dichloropropane	0.269	0.255	5.2	110	0.00
40	Dibromomethane	0.200	0.198	1.0	119	0.00
41 M	Bromodichloromethane	0.413	0.367	11.1	106	0.00
42 M	Vinyl Acetate	0.455	0.377	17.1	97	0.00
43	Ethyl Acetate	0.176	0.153	13.1	99	0.00
44	Isopropyl Acetate	0.351	0.279	20.5	92	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	68	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.136	16.0	99	0.00
47	n-amyl Acetate	0.293	0.242	17.4	105	0.00
48 M	t-1,3-Dichloropropene	0.403	0.331	17.9	102	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.383	13.7	104	0.00
50 M	1,1,2-Trichloroethane	0.276	0.271	1.8	116	0.00
51	Ethyl methacrylate	0.316	0.280	11.4	106	0.00
52	1,3-Dichloropropane	0.426	0.408	4.2	113	0.00
53 M	Dibromochloromethane	0.342	0.282	17.5	104	0.00
54 M	1,2-Dibromoethane	0.290	0.271	6.6	115	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.152	-12.6	135	0.00
56 M	Bromoform	0.225	0.158	29.8	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.166	17.4	96	0.00
59 M	2-Hexanone	0.135	0.108	20.0	96	0.00
60 S	4-Bromofluorobenzene	0.433	0.413	4.6	116	0.00
61 M	Tetrachloroethene	0.384	0.364	5.2	110	0.00
62 M	Toluene	1.490	1.474	1.1	117	0.00
63 S	Toluene-d8	1.303	1.271	2.5	113	0.00
64 M	Chlorobenzene	0.976	0.986	-1.0	122	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.351	6.4	112	0.00
66 M	Ethyl Benzene	1.647	1.550	5.9	112	0.00
67 M	m/p-Xylenes	0.668	0.635	4.9	114	0.00
68 M	o-Xylene	0.658	0.624	5.2	114	0.00
69 M	Styrene	1.010	0.968	4.2	120	0.00
70	Isopropylbenzene	1.756	1.637	6.8	113	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.281	19.0	97	0.00
72	1,2,3-Trichloropropane	0.273	0.220	19.4	100	0.00
73	Bromobenzene	0.435	0.433	0.5	125	0.00
74	n-propylbenzene	1.888	1.732	8.3	112	0.00
75	2-Chlorotoluene	1.107	1.012	8.6	111	0.00
76	1,3,5-Trimethylbenzene	1.452	1.296	10.7	109	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.055	38.9#	83	0.00
78	4-Chlorotoluene	1.088	1.011	7.1	115	0.00
79	tert-butylbenzene	1.335	1.202	10.0	109	0.00
80	1,2,4-Trimethylbenzene	1.451	1.295	10.8	109	0.00
81	sec-Butylbenzene	1.746	1.536	12.0	107	0.00
82	p-Isopropyltoluene	1.563	1.375	12.0	110	0.00
83 M	1,3-Dichlorobenzene	0.767	0.730	4.8	123	0.00
84 M	1,4-Dichlorobenzene	0.722	0.705	2.4	129	0.00
85	n-Butylbenzene	1.178	0.993	15.7	107	0.00
86 T	Hexachloroethane	0.269	0.185	31.2#	89	0.00
87 M	1,2-Dichlorobenzene	0.743	0.680	8.5	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.025#	51.9#	61	0.00
89	1,2,4-Trichlorobenzene	0.346	0.206	40.5#	89	0.00
90	Hexachlorobutadiene	0.239	0.156	34.7#	80	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.348	50.6#	79	0.00
92	1,2,3-Trichlorobenzene	0.338	0.155	54.1#	65	0.00

(#) = Out of Range

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