

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\
 Data File : VN049759.D
 Acq On : 11 Jul 2018 15:00
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 12 01:59:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 01:52:12 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	97	0.00
2 M	Dichlorodifluoromethane	2.245	2.404	-7.1	99	0.00
3 M	Chloromethane	2.320	2.345	-1.1	98	0.00
4 M	Vinyl Chloride	2.455	2.482	-1.1	98	0.00
5 M	Bromomethane	1.482	1.537	-3.7	106	0.00
6 M	Chloroethane	1.425	1.424	0.1	97	0.00
7 M	Trichlorofluoromethane	3.106	3.153	-1.5	98	0.00
8 T	Diethyl Ether	1.061	1.055	0.6	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.870	1.948	-4.2	102	0.00
10 M	1,1-Dichloroethene	1.722	1.727	-0.3	99	0.00
11	Methyl Iodide	2.561	2.457	4.1	98	0.00
12	Methyl Acetate	1.683	1.733	-3.0	101	0.00
13 M	Acrolein	0.176	0.174	1.1	111	0.00
14 M	Acrylonitrile	0.604	0.583	3.5	101	0.00
15 M	Acetone	0.152	0.154	-1.3	98	0.00
16 M	Carbon Disulfide	5.324	5.285	0.7	99	0.00
17	Allyl chloride	2.720	2.686	1.3	102	0.00
18 M	Methylene Chloride	2.043	2.006	1.8	98	0.00
19 M	trans-1,2-Dichloroethene	1.819	1.800	1.0	100	0.00
20 T	Diisopropyl ether	5.489	5.490	-0.0	101	0.00
21 M	1,1-Dichloroethane	3.370	3.366	0.1	98	0.00
22 M	cis-1,2-Dichloroethene	2.025	1.988	1.8	98	0.00
23 M	tert-Butyl Alcohol	0.126	0.127	-0.8	102	0.00
24 M	Methyl tert-Butyl Ether	4.581	4.560	0.5	100	0.00
25 M	Chloroform	3.402	3.375	0.8	98	0.00
26	Cyclohexane	2.845	2.728	4.1	98	0.00
27 s	1,2-Dichloroethane-d4	2.028	2.080	-2.6	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.477	0.465	2.5	100	0.00
30 M	2-Butanone	0.133	0.128	3.8	99	0.00
31	2,2-Dichloropropane	0.512	0.516	-0.8	101	0.00
32 M	1,1,1-Trichloroethane	0.549	0.533	2.9	98	0.00
33 M	Carbon Tetrachloride	0.486	0.474	2.5	99	0.00
34 M	Benzene	1.432	1.386	3.2	97	0.00
35	Methacrylonitrile	0.152	0.122	19.7	94	0.00
36 M	1,2-Dichloroethane	0.457	0.449	1.8	101	0.00
37 M	Trichloroethene	0.373	0.361	3.2	99	0.00
38	Methylcyclohexane	0.514	0.487	5.3	102	0.00
39 M	1,2-Dichloropropane	0.372	0.361	3.0	99	0.00
40	Dibromomethane	0.224	0.221	1.3	100	0.00
41 M	Bromodichloromethane	0.481	0.466	3.1	99	0.00
42 M	Vinyl Acetate	0.706	0.671	5.0	99	0.00
43	Ethyl Acetate	0.281	0.288	-2.5	114	0.00
44	Isopropyl Acetate	0.525	0.495	5.7	98	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	98	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\
 Data File : VN049759.D
 Acq On : 11 Jul 2018 15:00
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 12 01:59:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 01:52:12 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)
46	Methyl methacrylate	0.263	0.255	3.0	103	0.00
47	n-amyl Acetate	0.442	0.409	7.5	103	0.00
48 M	t-1,3-Dichloropropene	0.484	0.462	4.5	102	0.00
49 T	cis-1,3-Dichloropropene	0.558	0.534	4.3	100	0.00
50 M	1,1,2-Trichloroethane	0.325	0.318	2.2	99	0.00
51	Ethyl methacrylate	0.397	0.372	6.3	101	0.00
52	1,3-Dichloropropane	0.534	0.519	2.8	100	0.00
53 M	Dibromochloromethane	0.368	0.348	5.4	98	0.00
54 M	1,2-Dibromoethane	0.316	0.303	4.1	101	0.00
55 M	2-Chloroethyl vinyl ether	0.202	0.194	4.0	107	0.00
56 M	Bromoform	0.252	0.234	7.1	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
58 M	4-Methyl-2-Pentanone	0.326	0.321	1.5	98	0.00
59 M	2-Hexanone	0.220	0.221	-0.5	103	0.00
60 S	4-Bromofluorobenzene	0.463	0.460	0.6	101	0.00
61 M	Tetrachloroethene	0.376	0.373	0.8	98	0.00
62 M	Toluene	1.719	1.704	0.9	99	0.00
63 S	Toluene-d8	1.402	1.425	-1.6	99	0.00
64 M	Chlorobenzene	1.055	1.029	2.5	100	0.00
65	1,1,1,2-Tetrachloroethane	0.400	0.394	1.5	100	0.00
66 M	Ethyl Benzene	1.804	1.740	3.5	100	0.00
67 M	m/p-Xylenes	0.694	0.682	1.7	100	0.00
68 M	o-Xylene	0.663	0.644	2.9	100	0.00
69 M	Styrene	1.058	1.019	3.7	100	0.00
70	Isopropylbenzene	1.758	1.721	2.1	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.451	0.447	0.9	99	0.00
72	1,2,3-Trichloropropane	0.361	0.357	1.1	101	0.00
73	Bromobenzene	0.461	0.443	3.9	99	0.00
74	n-propylbenzene	2.035	1.979	2.8	102	0.00
75	2-Chlorotoluene	1.221	1.190	2.5	99	0.00
76	1,3,5-Trimethylbenzene	1.429	1.402	1.9	101	0.00
77	t-1,4-Dichloro-2-butene	0.127	0.116	8.7	101	0.00
78	4-Chlorotoluene	1.217	1.185	2.6	102	0.00
79	tert-butylbenzene	1.240	1.189	4.1	99	0.00
80	1,2,4-Trimethylbenzene	1.443	1.422	1.5	101	0.00
81	sec-Butylbenzene	1.666	1.646	1.2	103	0.00
82	p-Isopropyltoluene	1.441	1.412	2.0	103	0.00
83 M	1,3-Dichlorobenzene	0.800	0.773	3.4	103	0.00
84 M	1,4-Dichlorobenzene	0.766	0.744	2.9	105	0.00
85	n-Butylbenzene	1.173	1.115	4.9	106	0.00
86 T	Hexachloroethane	0.274	0.263	4.0	103	0.00
87 M	1,2-Dichlorobenzene	0.770	0.761	1.2	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.067	0.067	0.0	108	0.00
89	1,2,4-Trichlorobenzene	0.389	0.360	7.5	107	0.00
90	Hexachlorobutadiene	0.248	0.257	-3.6	112	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071118\
Data File : VN049759.D
Acq On : 11 Jul 2018 15:00
Operator : MD\SY
Sample : VSTDICV020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 12 01:59:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 01:52:12 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.857	0.750	12.5	107	0.00
92	1,2,3-Trichlorobenzene	0.390	0.376	3.6	105	0.00

(#) = Out of Range

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