Attachment 3
Rural Statistical Plots

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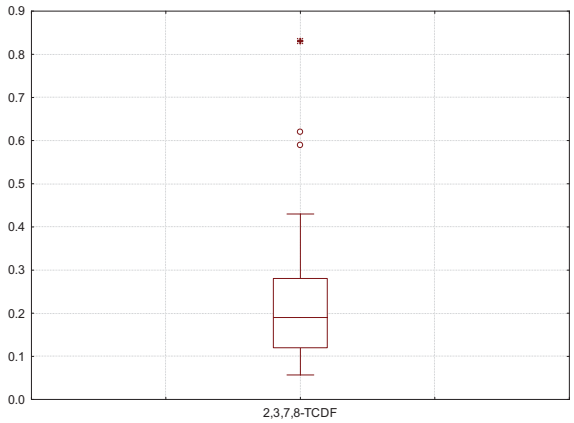
Rural General Plots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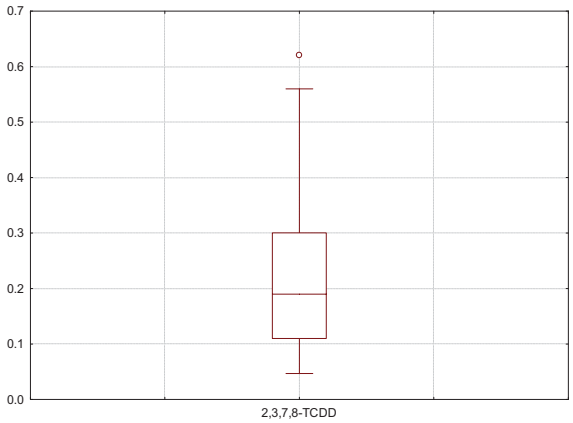
2,3,7,8-TCDF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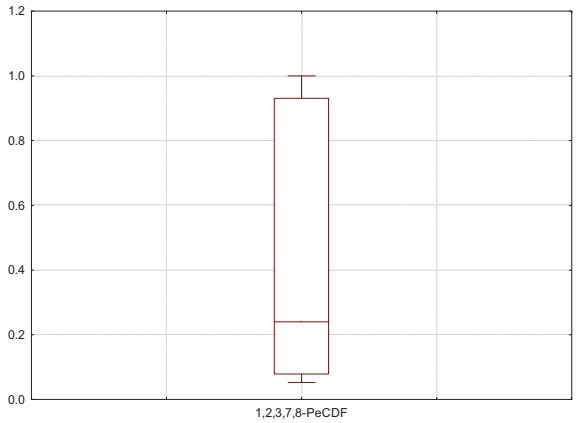
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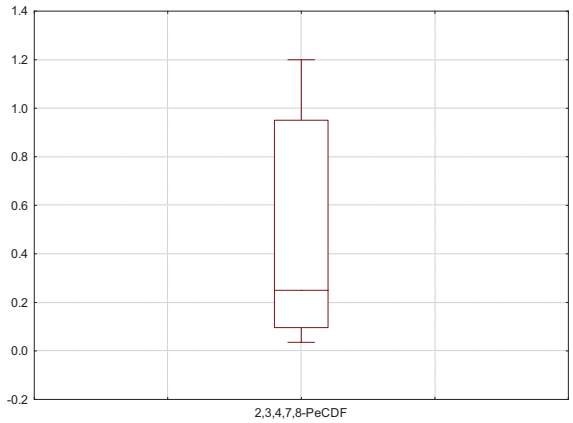
1,2,3,7,8-PeCDF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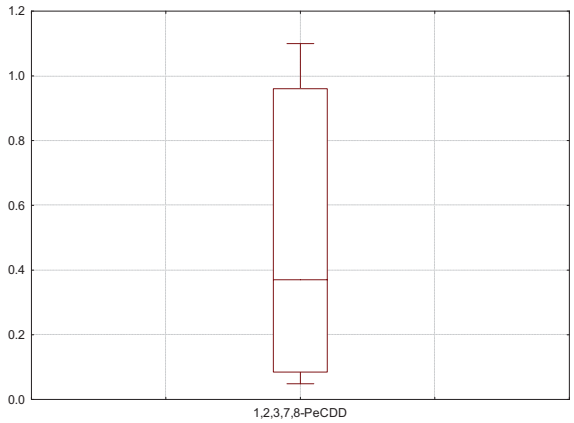
2,3,4,7,8-PeCDF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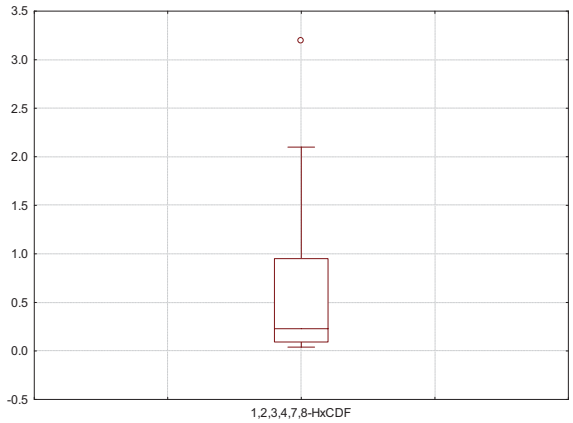
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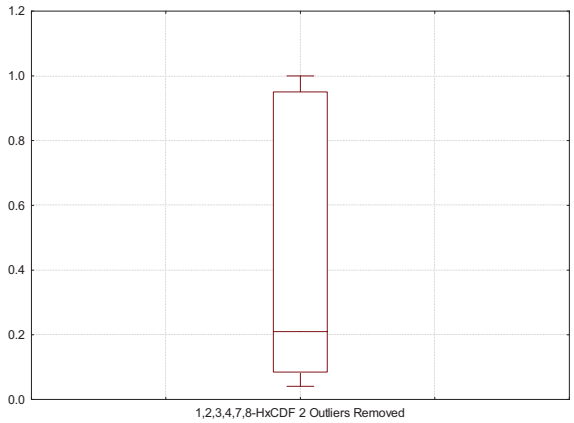
1,2,3,4,7,8-HxCDF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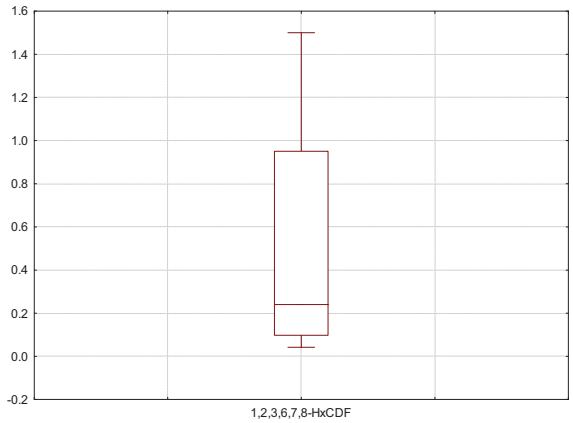
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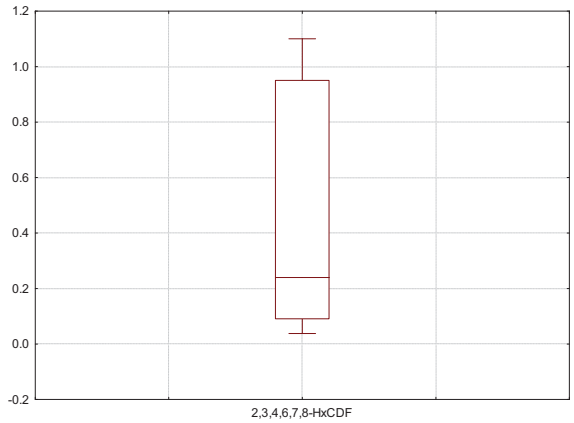
1,2,3,6,7,8-HxCDF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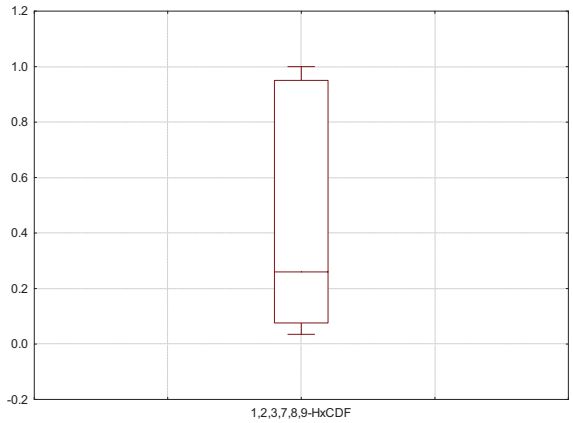
2,3,4,6,7,8-HxCDF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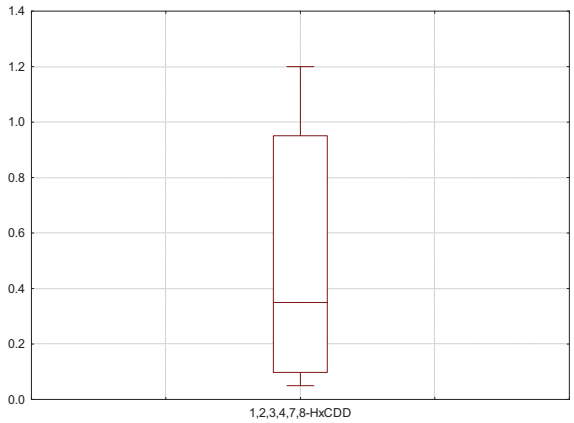
1,2,3,7,8,9-HxCDF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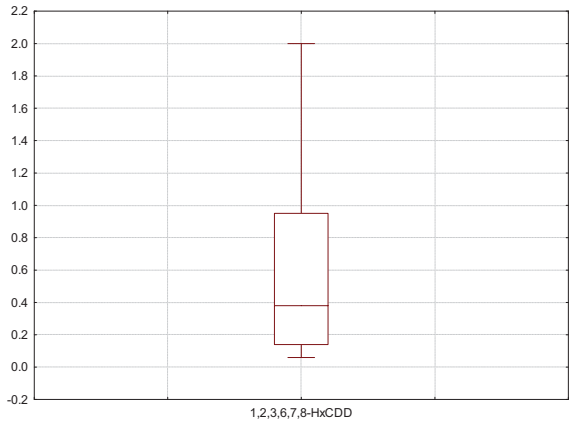
1,2,3,4,7,8-HxCDD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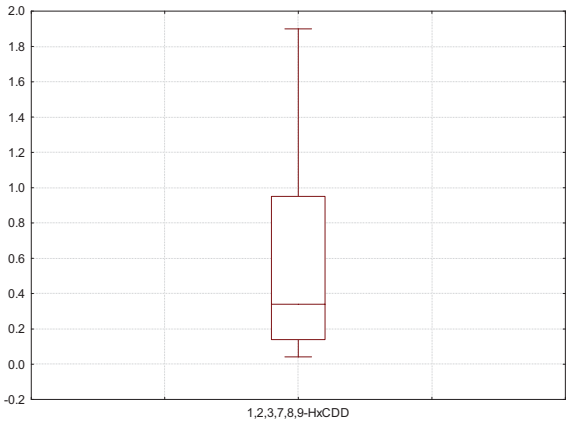
1,2,3,6,7,8-HxCDD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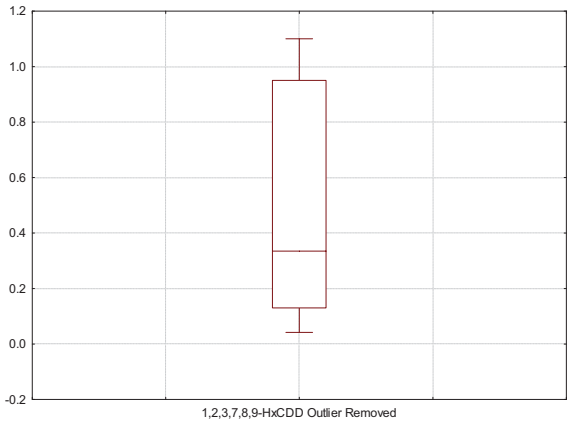
1,2,3,7,8,9-HxCDD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0.0
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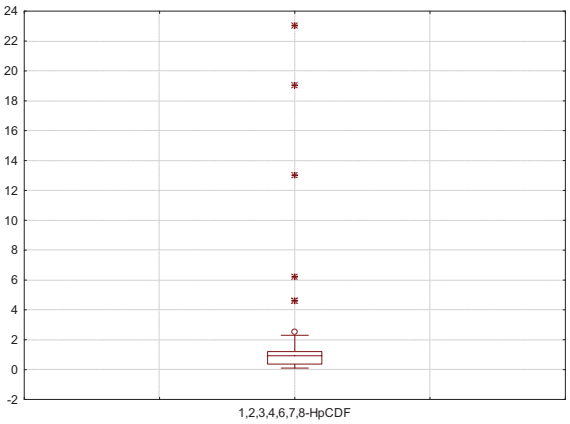
1,2,3,7,8,9-HxCDD Outlier Removed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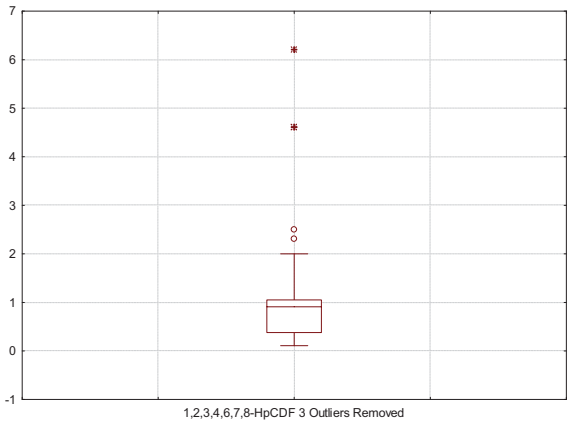
1,2,3,4,6,7,8-HpCDF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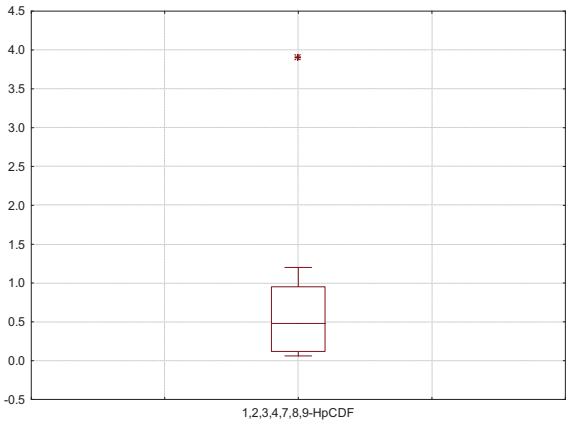
1,2,3,4,6,7,8-HpCDF 3 Outliers Removed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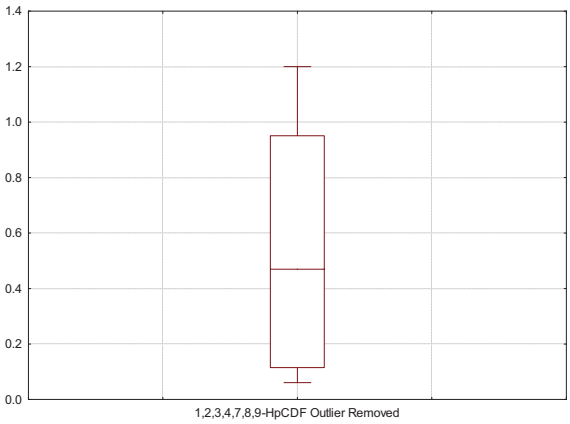
1,2,3,4,7,8,9-HpCDF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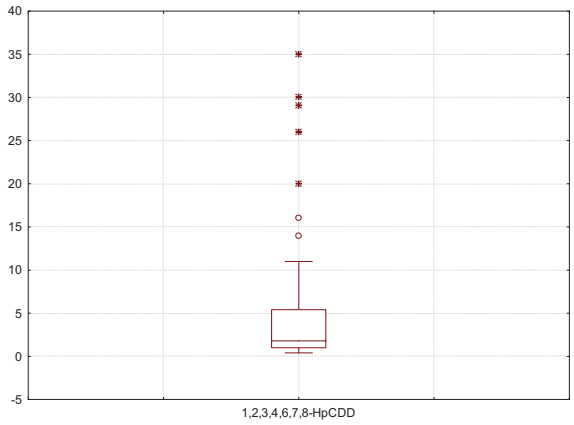
0.2
0.0
1,2,3,4,7,8,9-HpCDF Outlier Removed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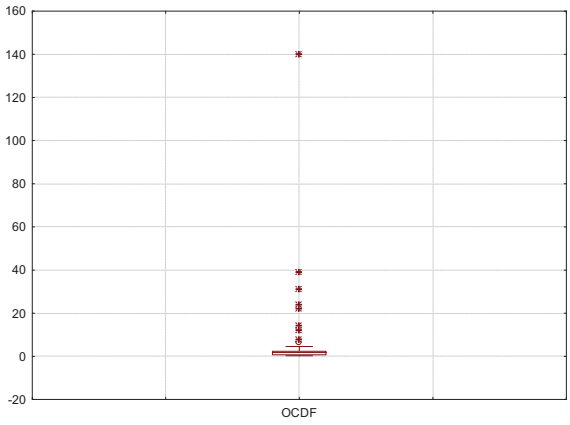
1,2,3,4,6,7,8-HpCDD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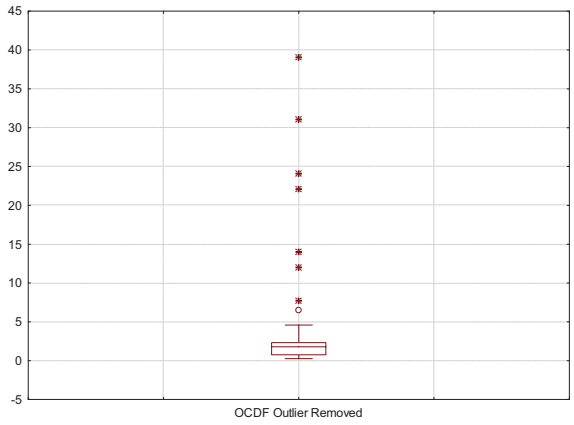
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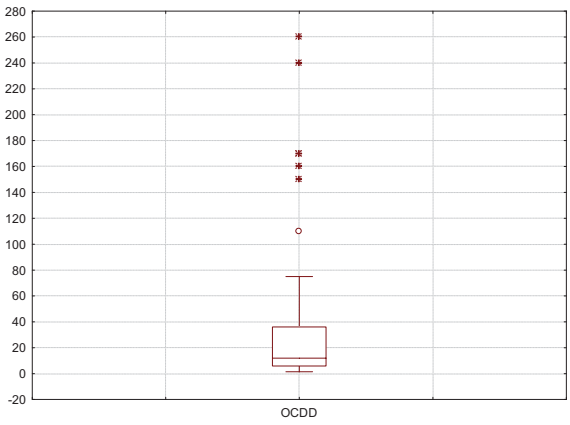
-5
OCDF Outlier Removed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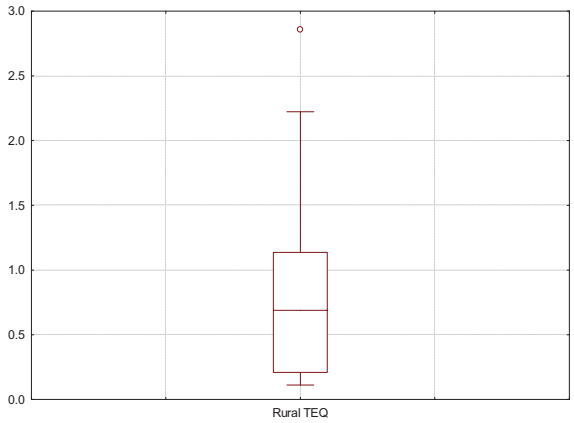
OCDD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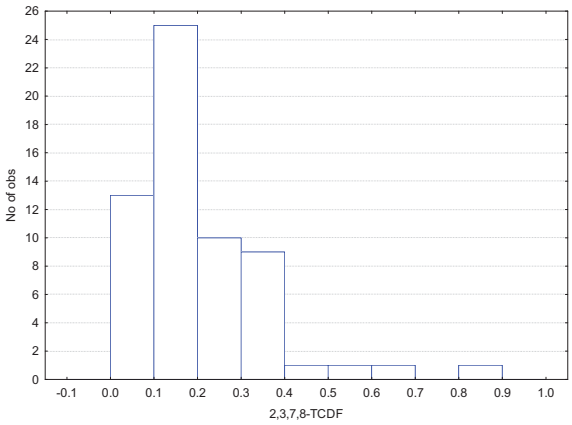
0.0
Rural TEQ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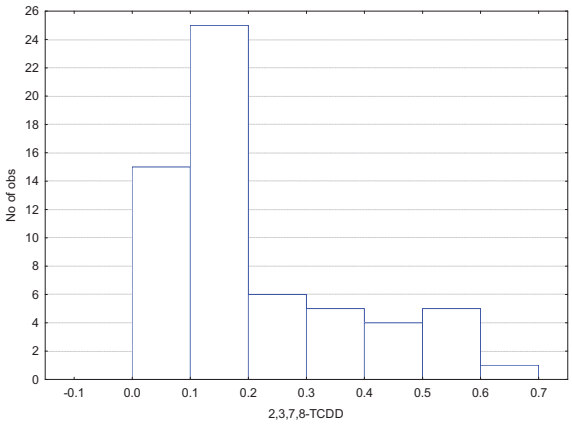
2,3,7,8-TCDF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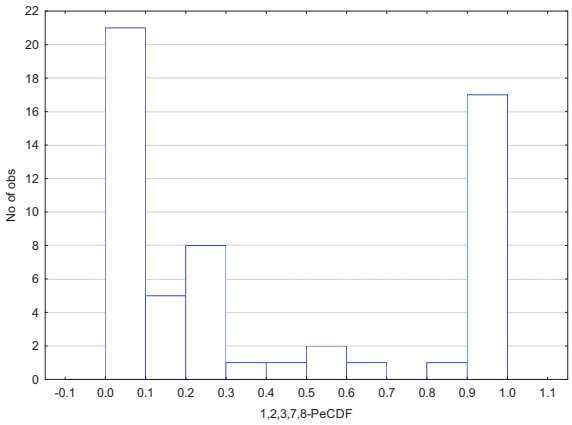
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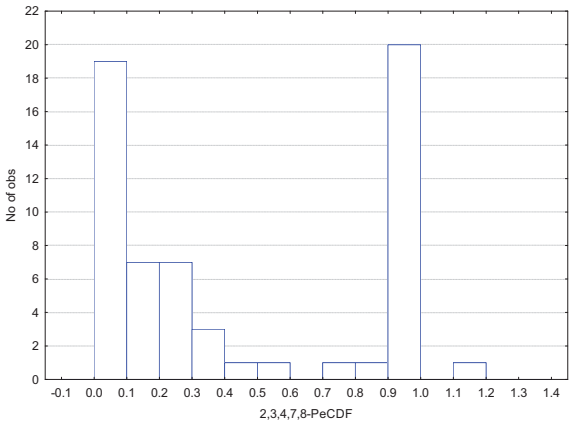
1,2,3,7,8-PeCDF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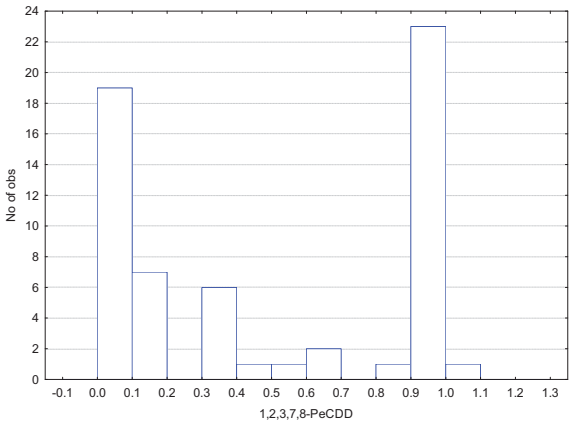
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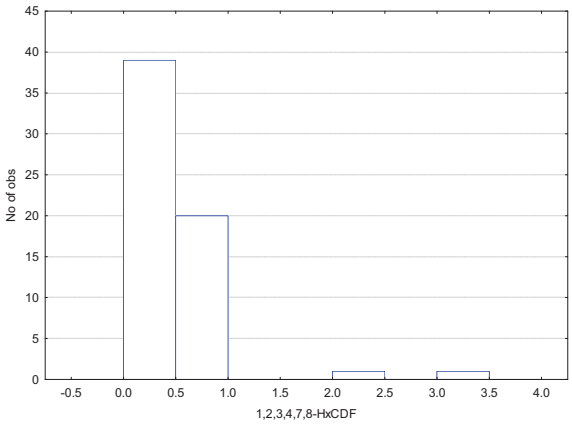
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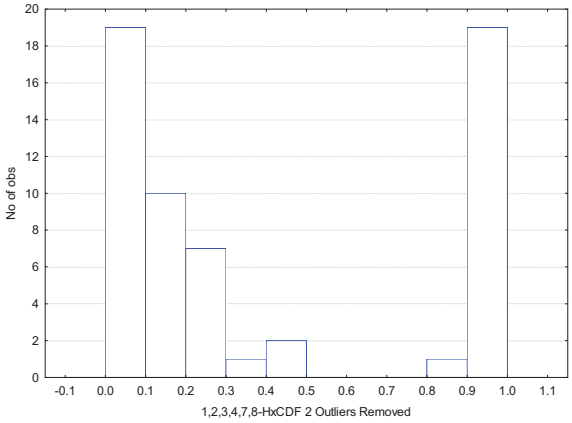
1,2,3,4,7,8-HxCDF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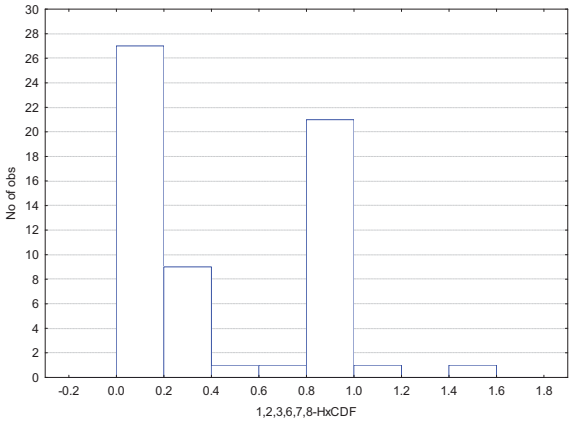
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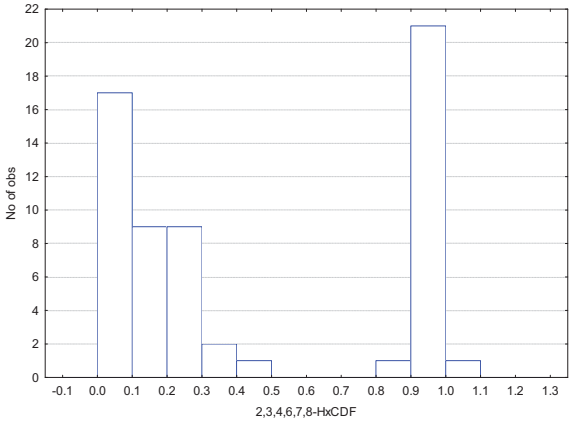
1,2,3,6,7,8-HxCDF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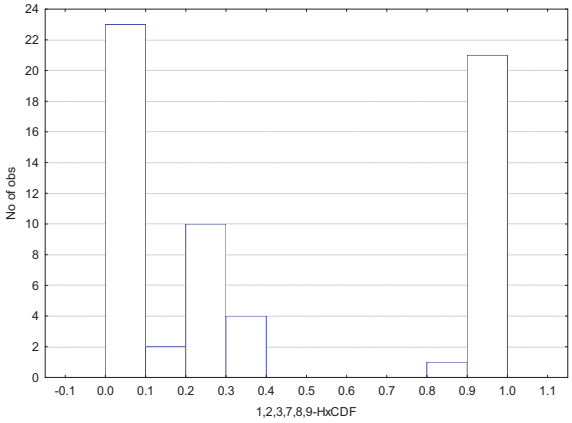
2,3,4,6,7,8-HxCDF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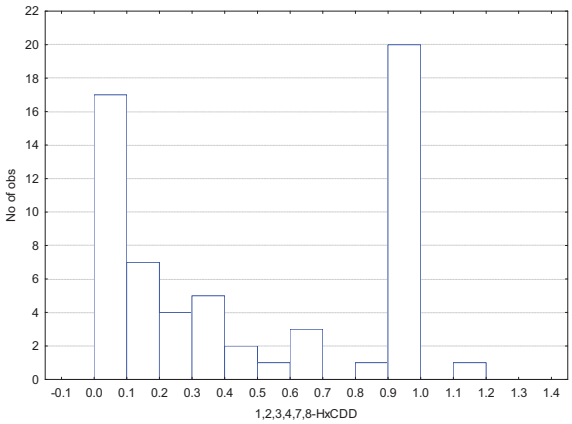
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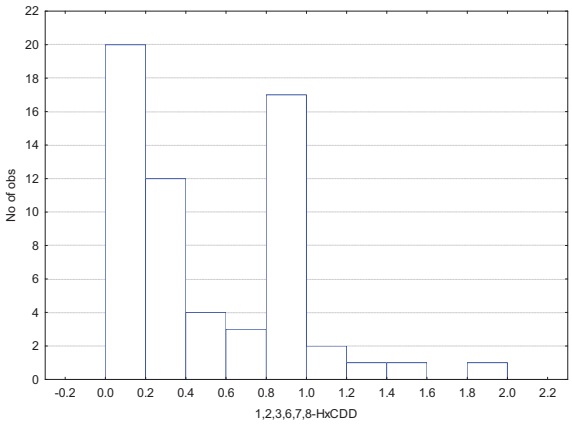
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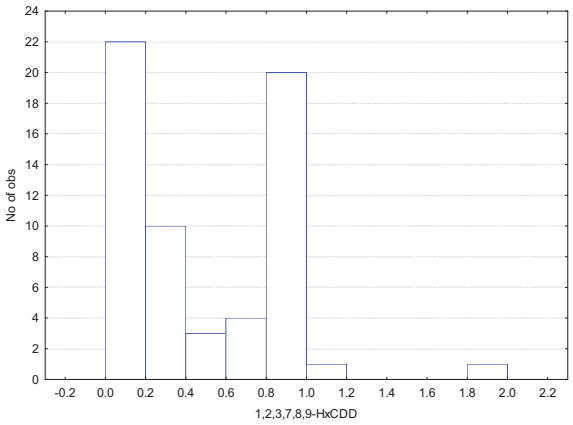
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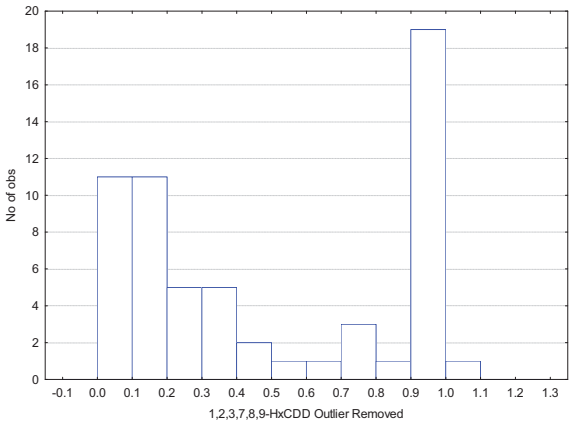
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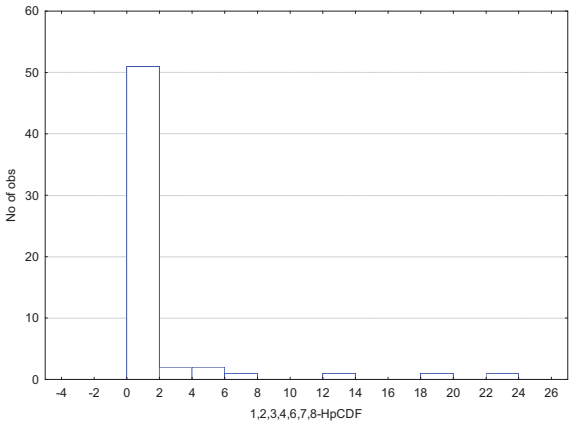
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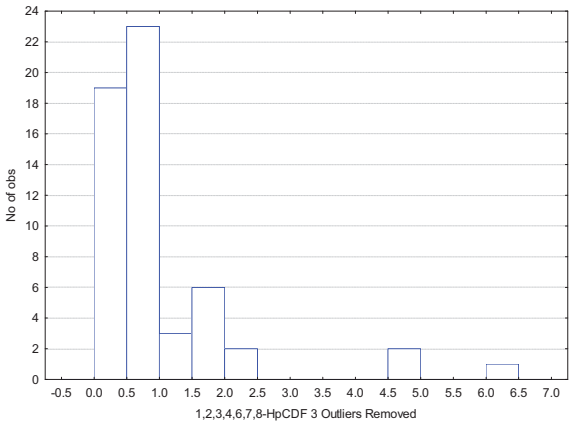
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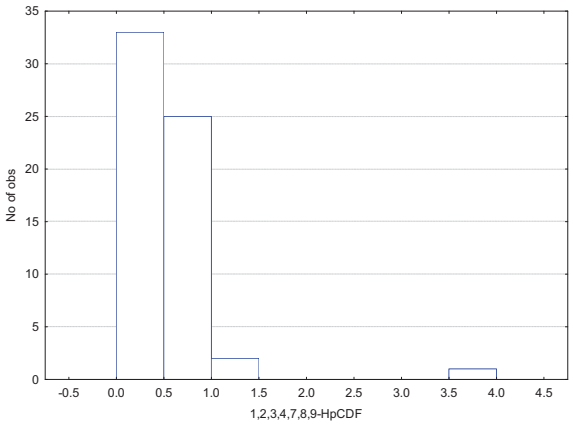
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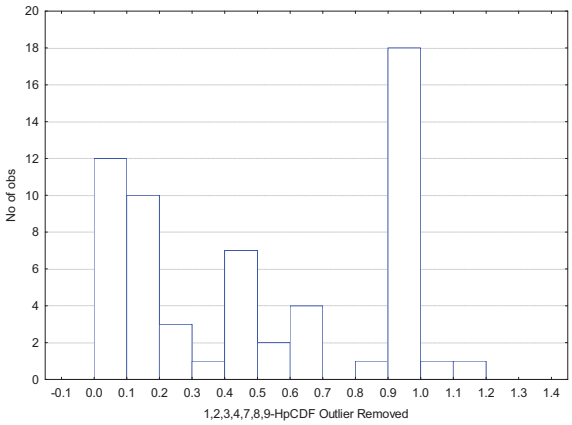
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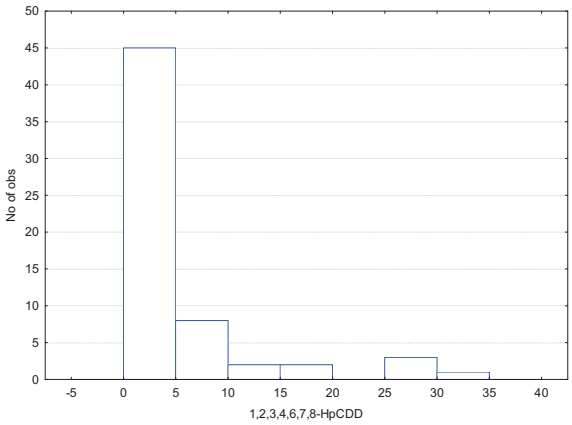
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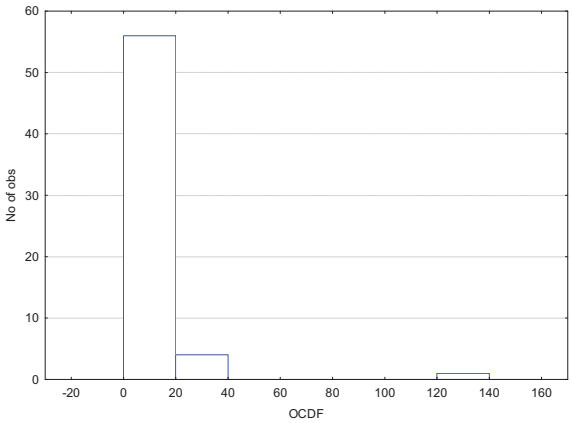
1,2,3,4,6,7,8-HpCDD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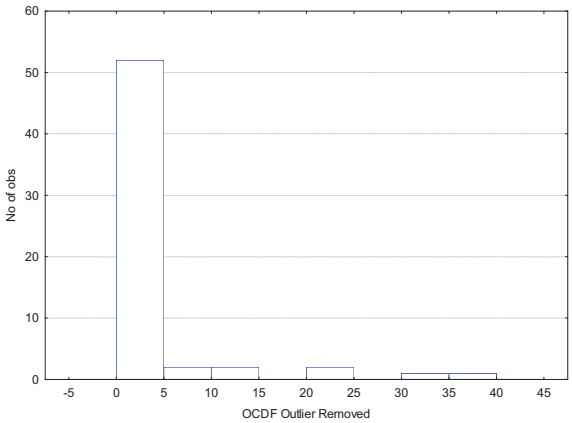
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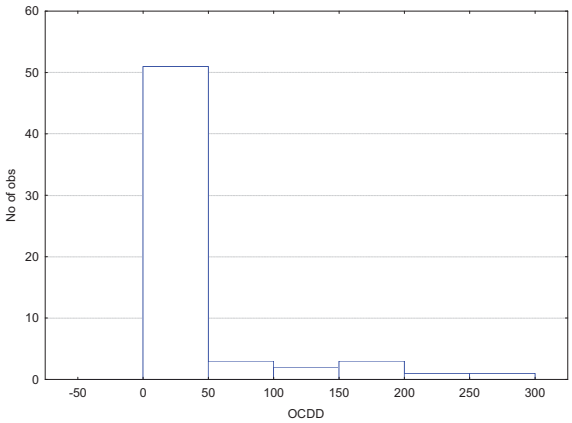
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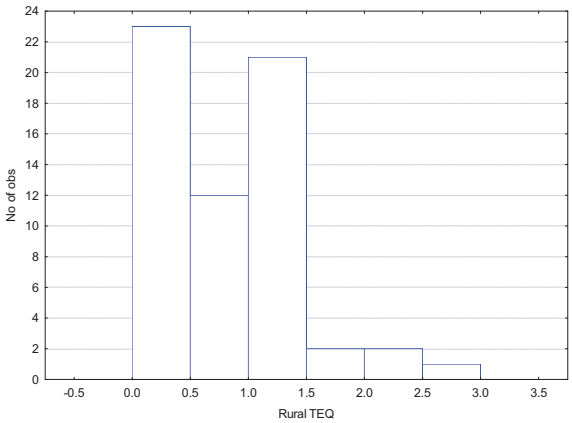
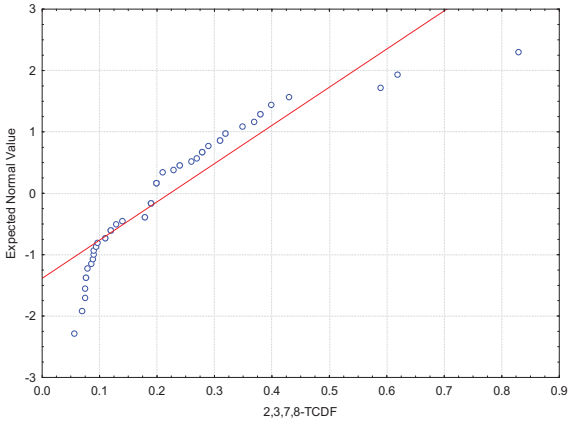

No of obs
Rural TEQ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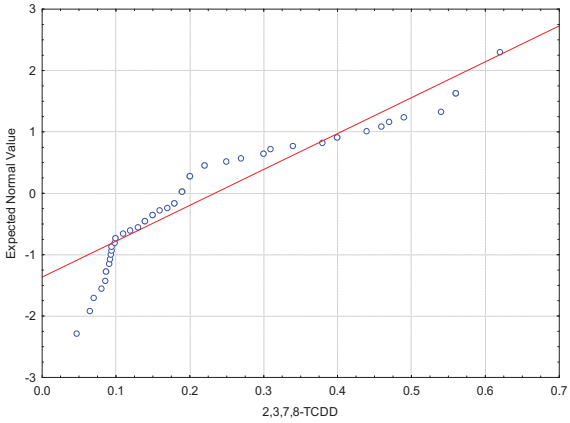
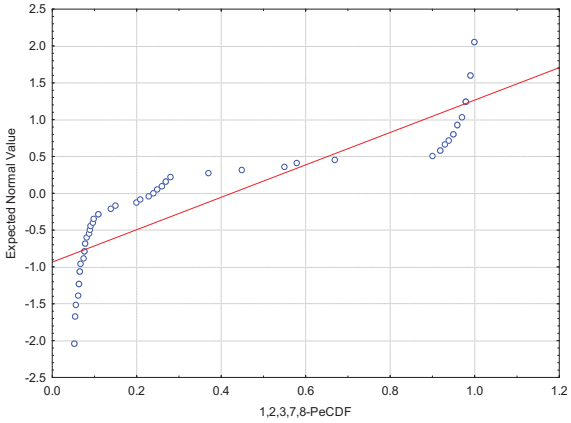
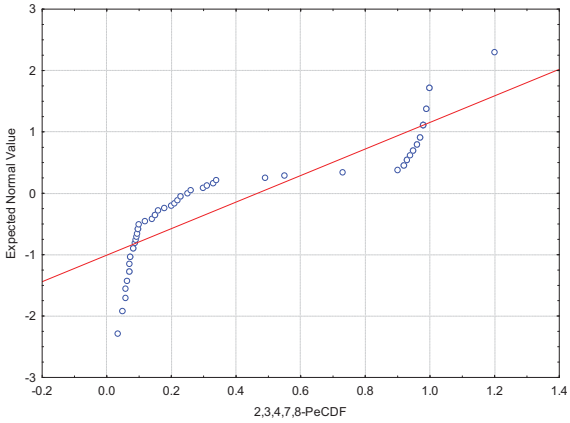
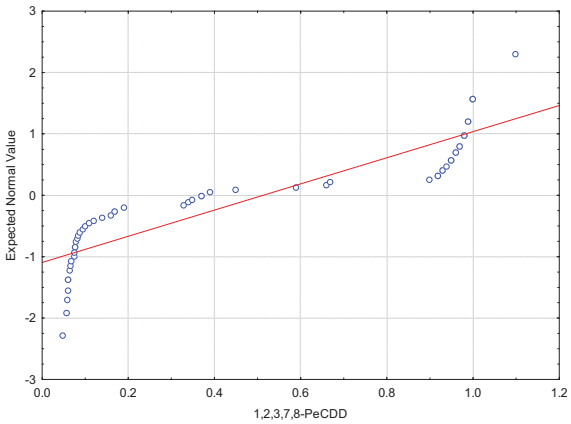
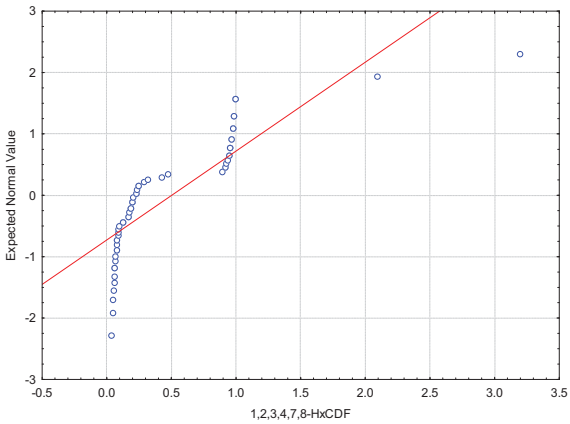
2,3,7,8-TCDF

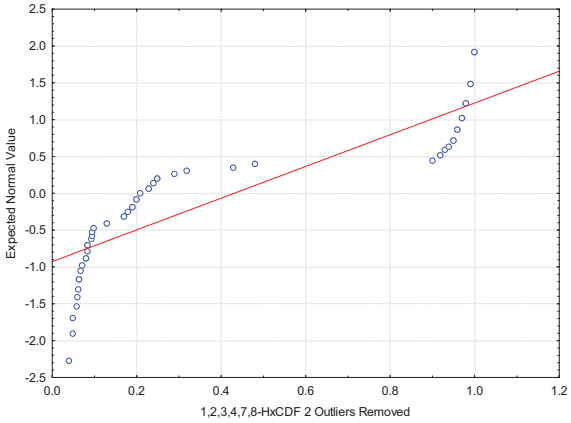

Expected Normal Value
2,3,7,8-TCDD

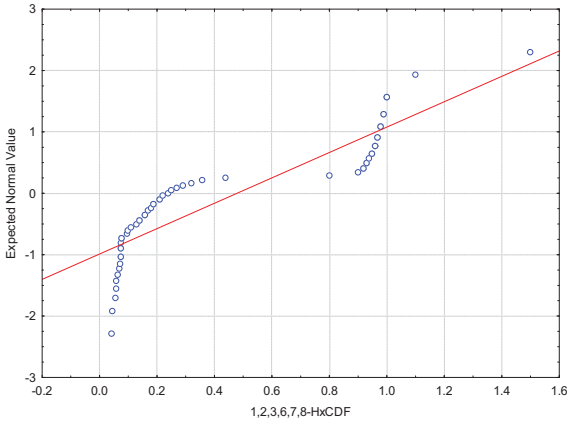

Expected Normal Value
1,2,3,7,8-PeCDF

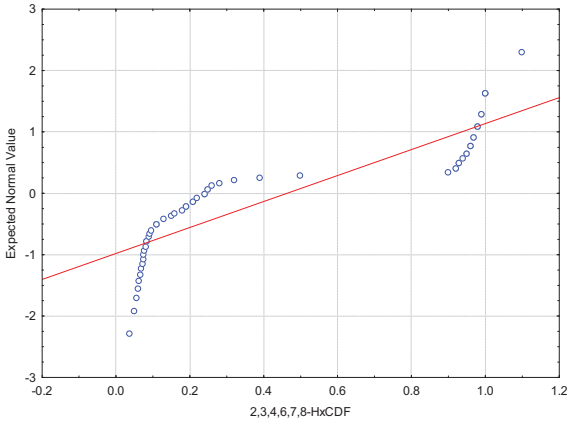

Expected Normal Value
2,3,4,7,8-PeCDF

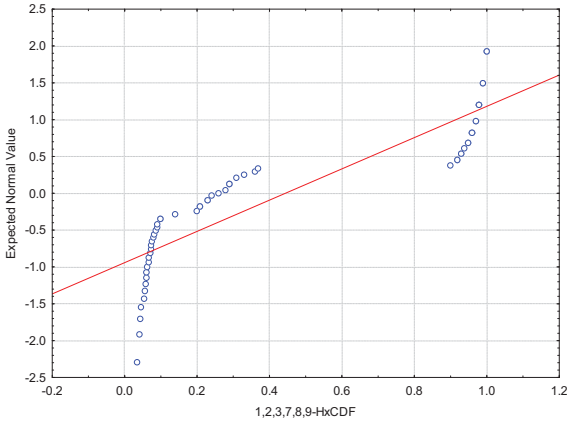

Expected Normal Value
1,2,3,7,8-PeCDD

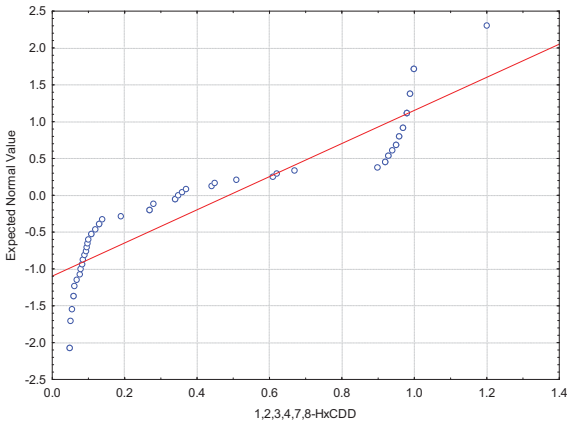

Expected Normal Value
1,2,3,4,7,8-HxCDF

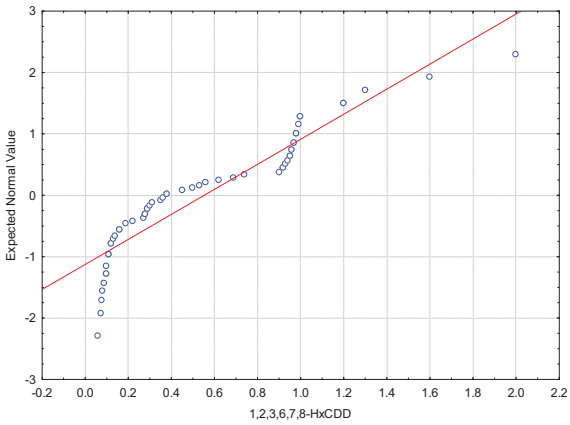

Expected Normal Value
1,2,3,4,7,8-HxCDF 2 Outliers Removed

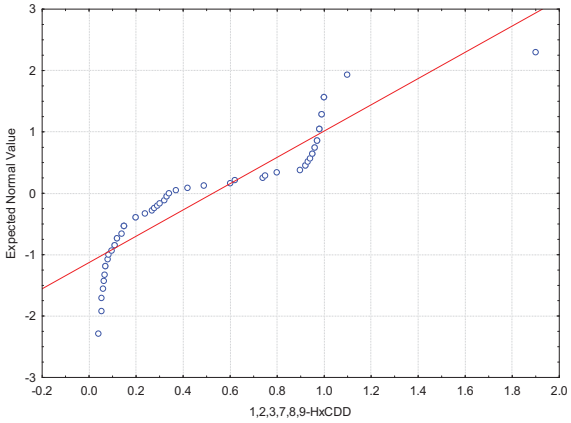

Expected Normal Value
1,2,3,6,7,8-HxCDF

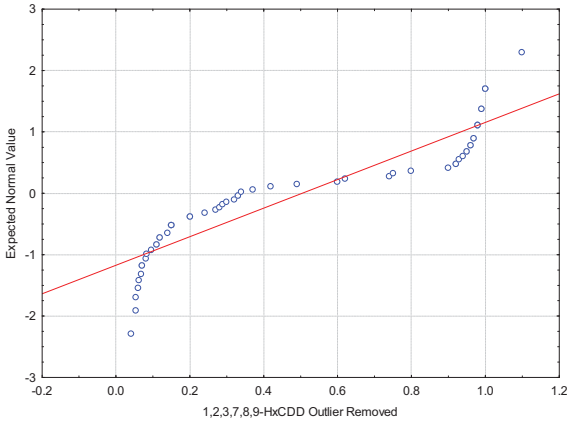

Expected Normal Value
2,3,4,6,7,8-HxCDF

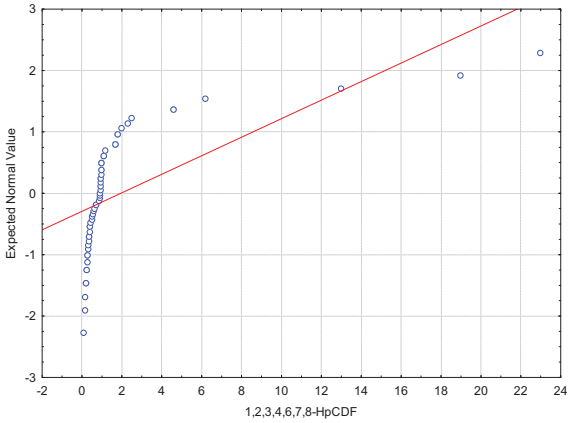

Expected Normal Value
1,2,3,7,8,9-HxCDF


Expected Normal Value
1,2,3,4,7,8-HxCDD


Expected Normal Value
1,2,3,6,7,8-HxCDD


Expected Normal Value
1,2,3,7,8,9-HxCDD


Expected Normal Value
1,2,3,7,8,9-HxCDD Outlier Removed


Expected Normal Value
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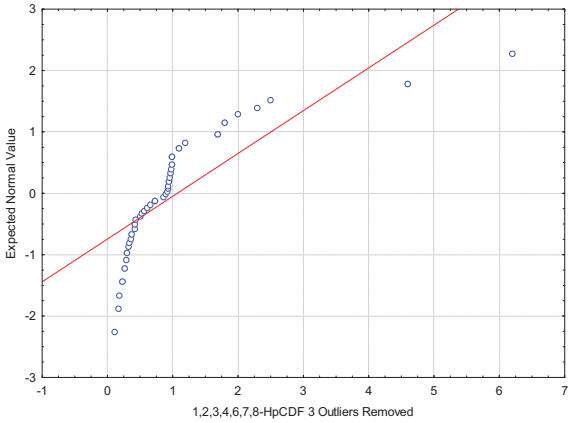
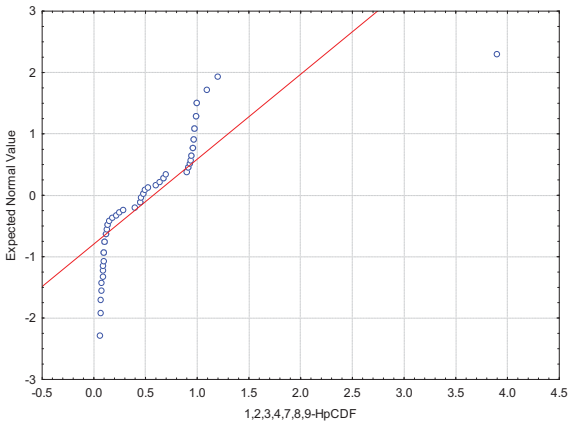
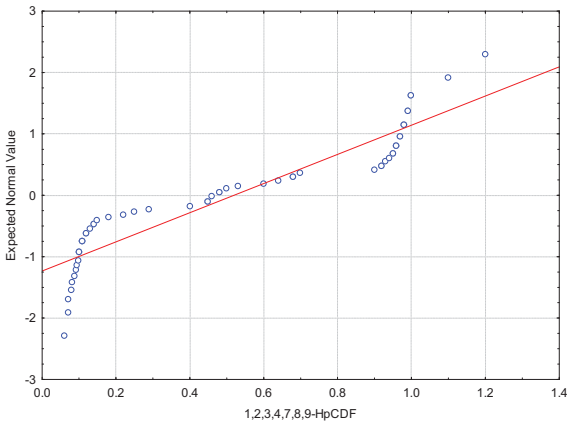
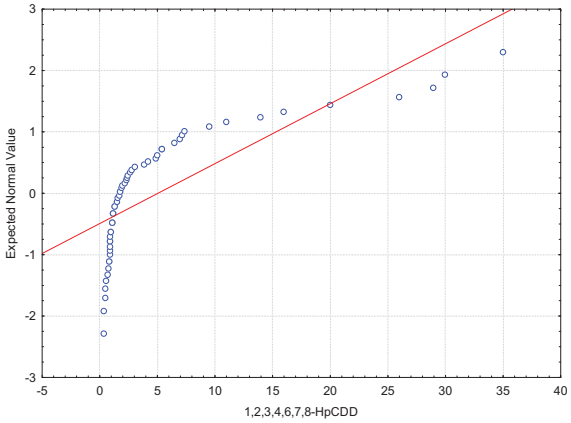
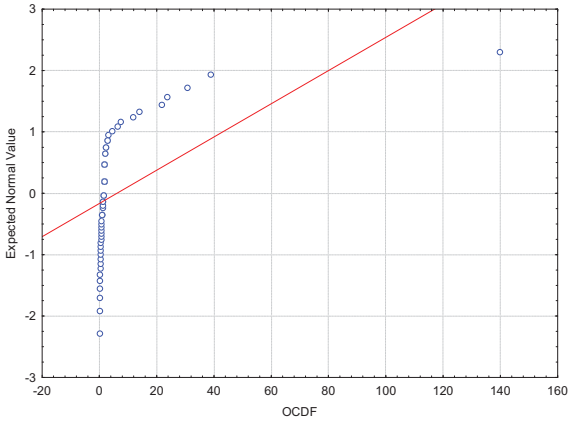
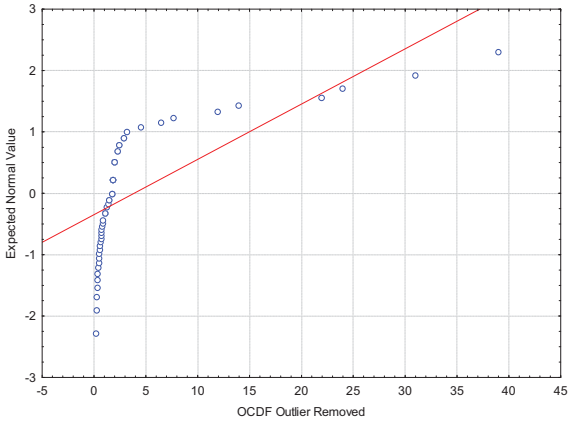

Expected Normal Value
1,2,3,4,6,7,8-HpCDF 3 Outliers Removed

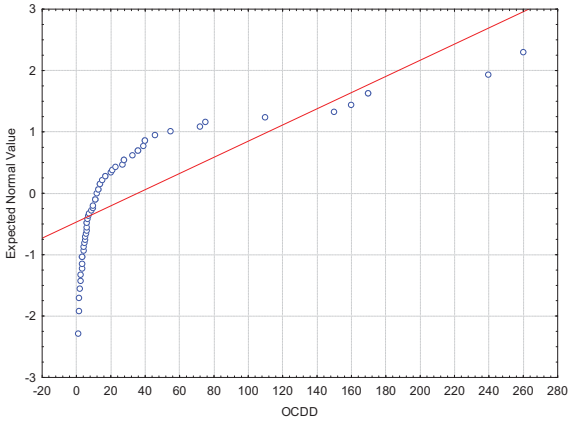

Expected Normal Value
1,2,3,4,7,8,9-HpCDF

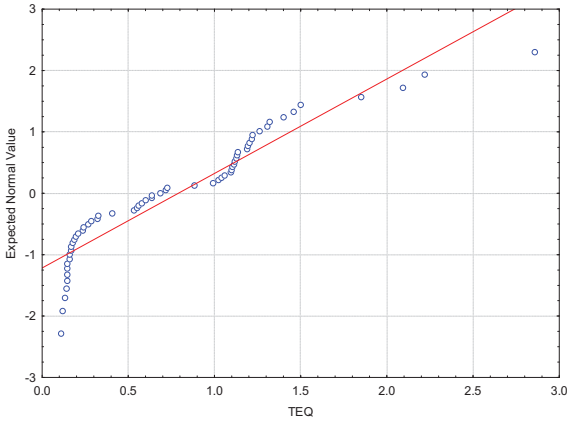

Expected Normal Value
1,2,3,4,7,8,9-HpCDF


Expected Normal Value
1,2,3,4,6,7,8-HpCDD

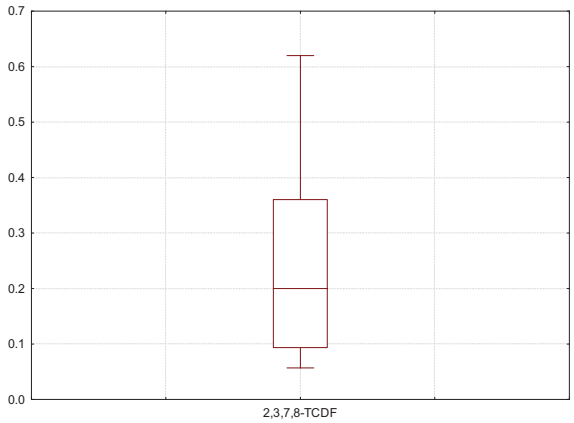

Expected Normal Value
OCDF


Expected Normal Value
OCDF Outlier Removed


Expected Normal Value
OCDD


Expected Normal Value
TEQ

Rural Agricultural Plots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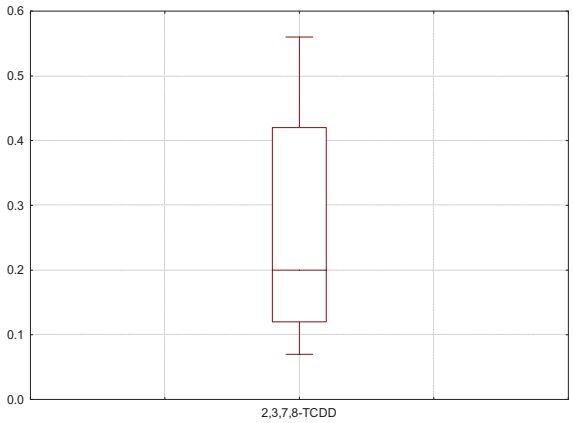
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2,3,7,8-TCDF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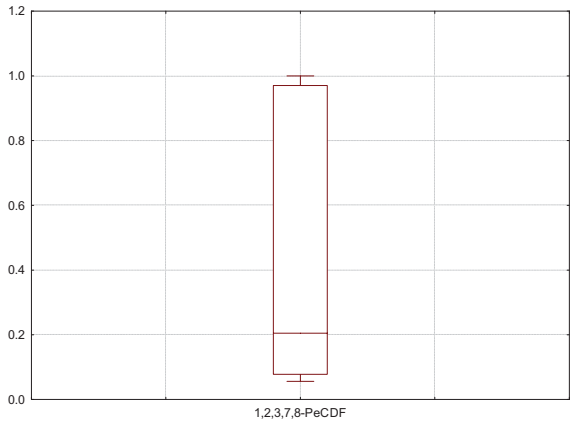
0.1
0.0
2,3,7,8-TCDD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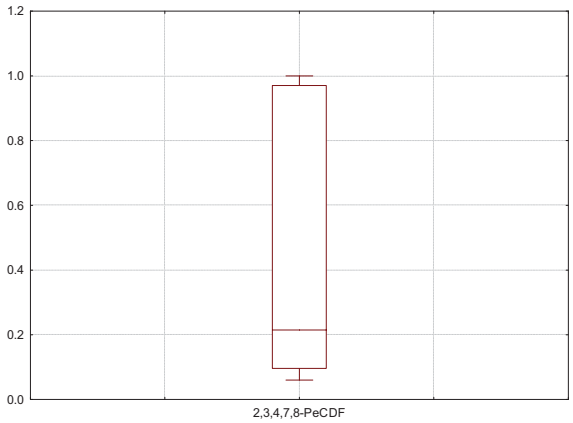
0.2
0.0
1,2,3,7,8-PeCDF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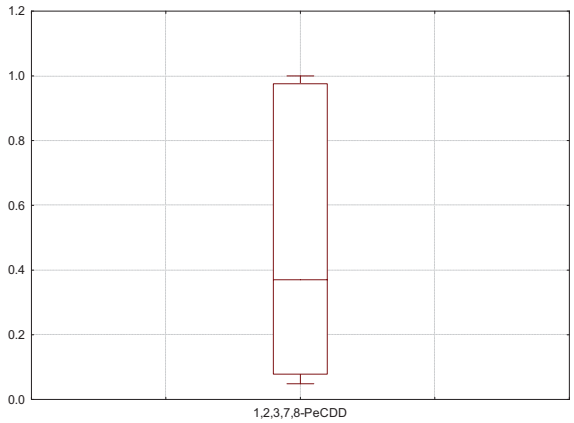
0.6
0.4
0.2
0.0
2,3,4,7,8-PeCDF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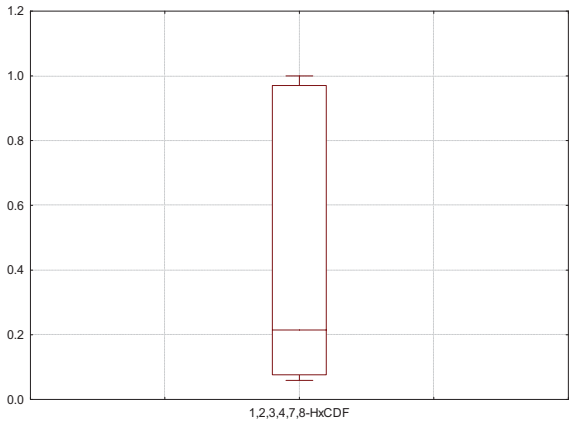
1,2,3,7,8-PeCDD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0.6
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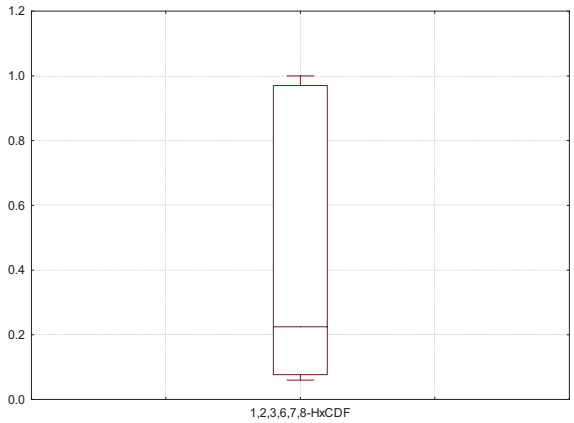
1,2,3,4,7,8-HxCDF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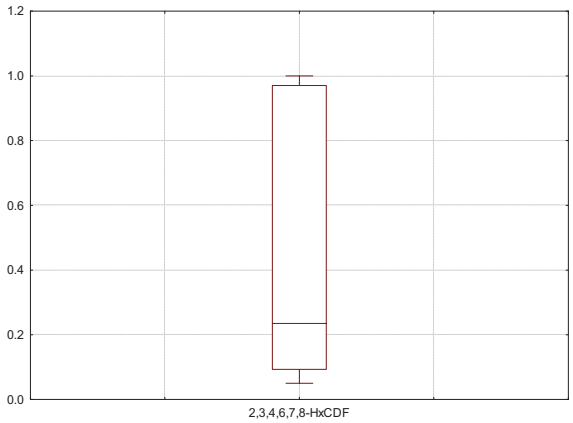
0.0
1,2,3,6,7,8-HxCDF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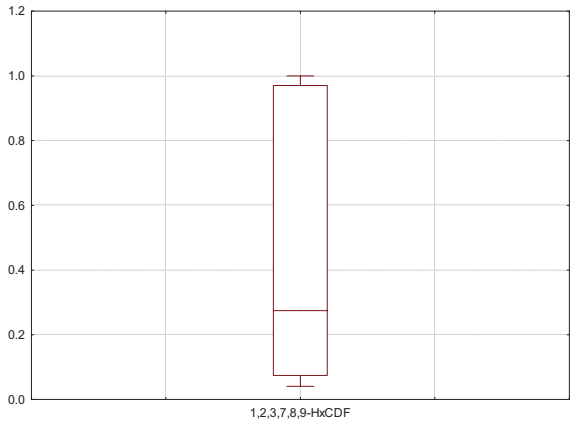
0.8
0.6
0.4
0.2
0.0
2,3,4,6,7,8-HxCDF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0.6
0.4
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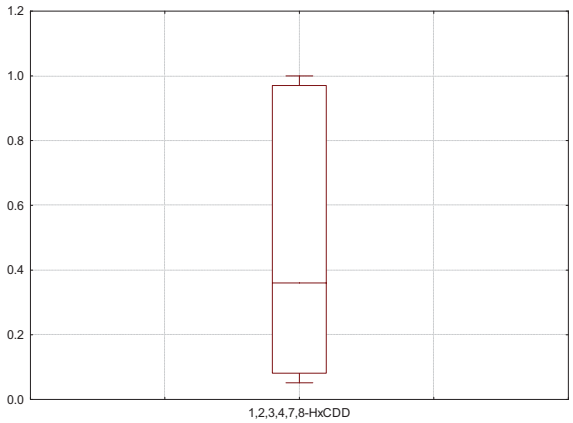
0.0
1,2,3,7,8,9-HxCDF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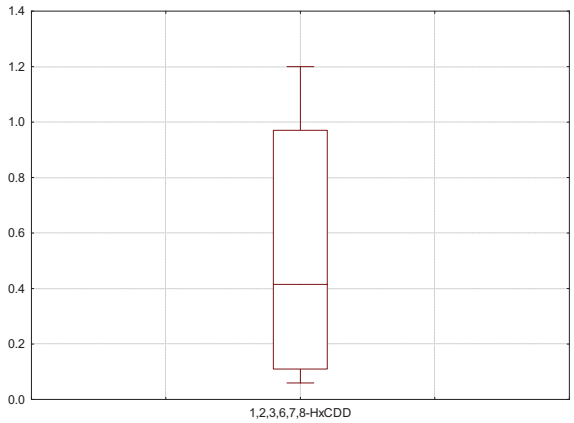
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8-HxCDD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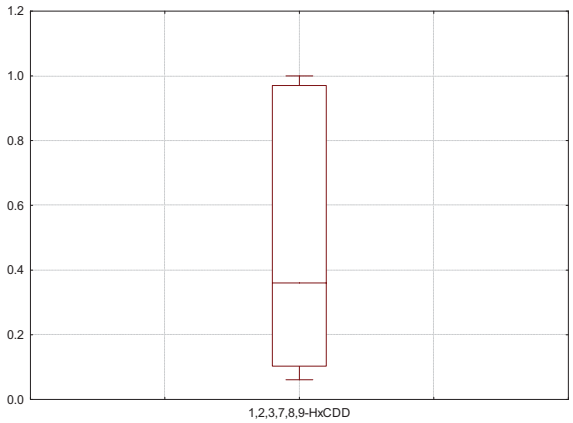
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,6,7,8-HxCDD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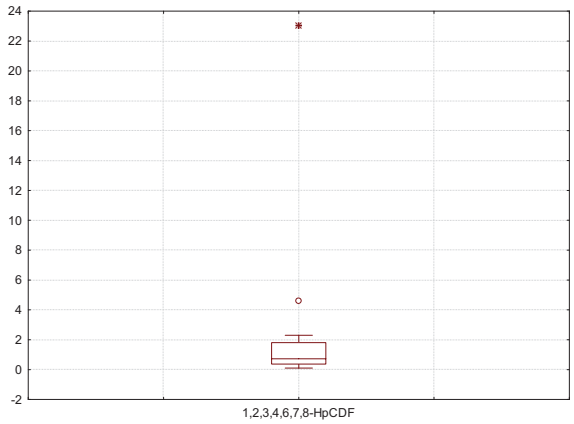
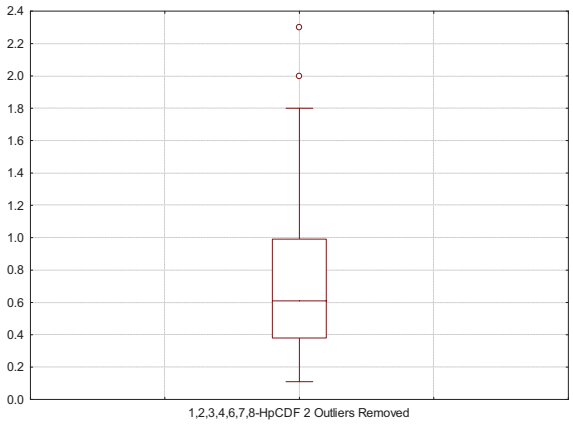
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,7,8,9-HxCDD


24
22
20
18
16
14
12
10
8
6
4
2
0
-2
1,2,3,4,6,7,8-HpCDF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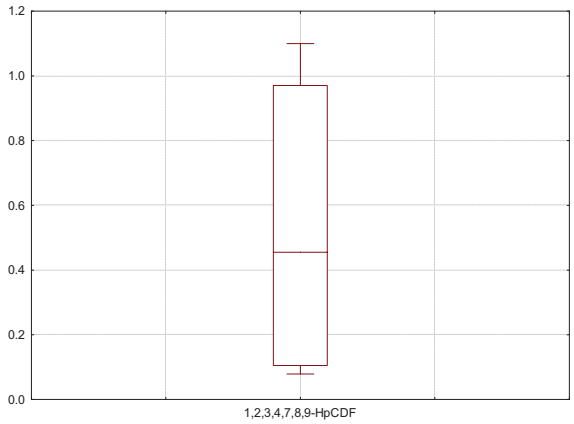
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed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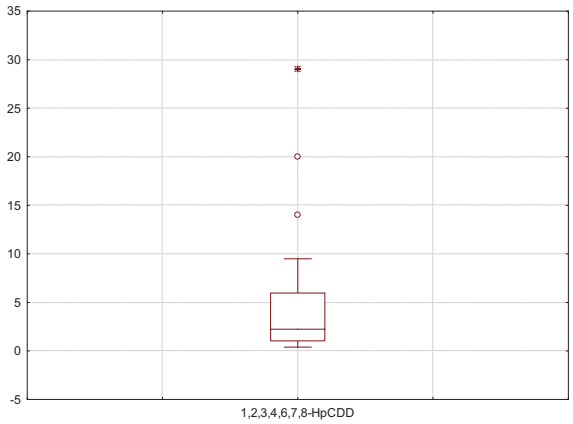
0.6
0.4
0.2
0.0
1,2,3,4,7,8,9-HpCDF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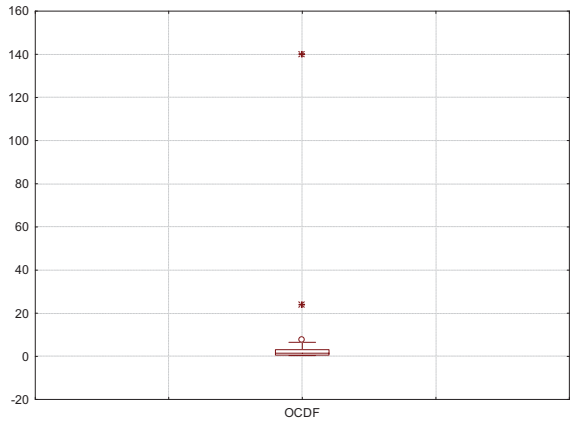
20
15
10
5
0
-5
1,2,3,4,6,7,8-HpCDD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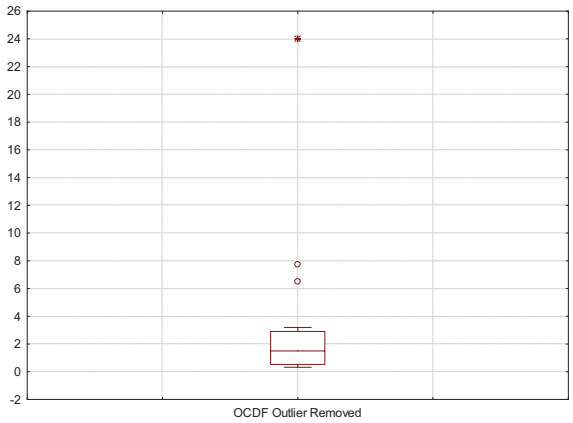
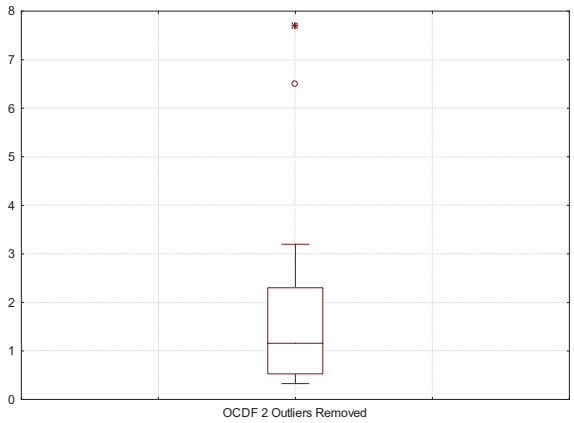
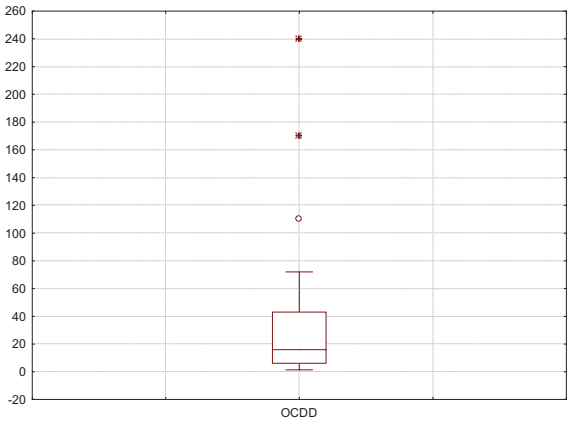
60
40
20
0
-20
OCDF


26
24
22
20
18
16
14
12
10
8
6
4
2
0
-2
OCDF Outlier Removed


8
7
6
5
4
3
2
1
0
OCDF 2 Outliers Removed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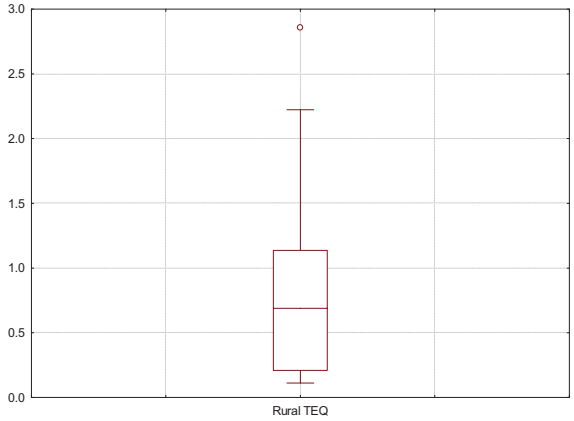
120
100
80
60
40
20
0
-20
OCDD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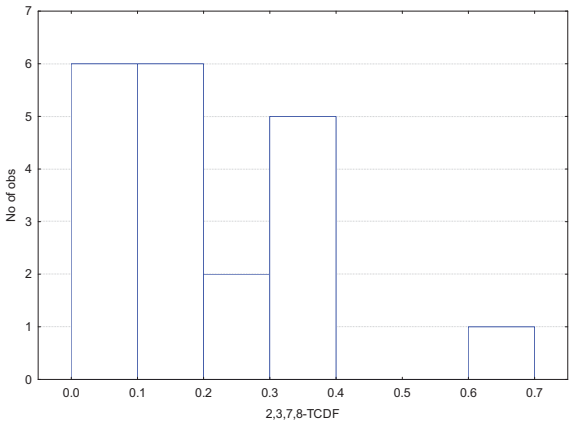
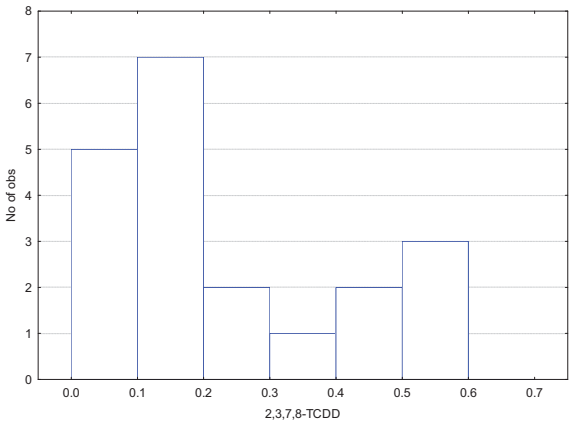
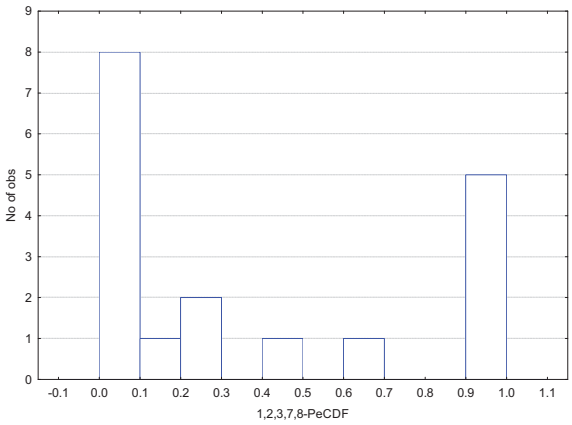
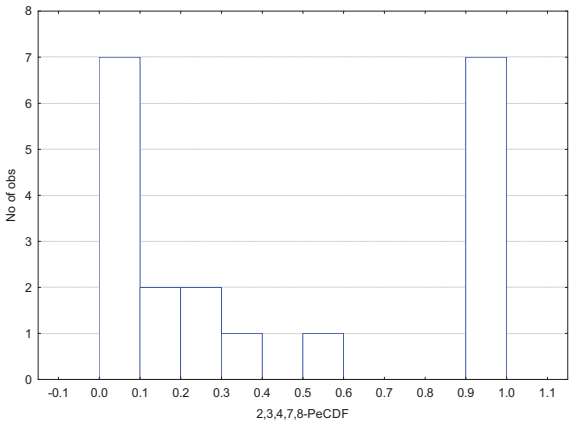
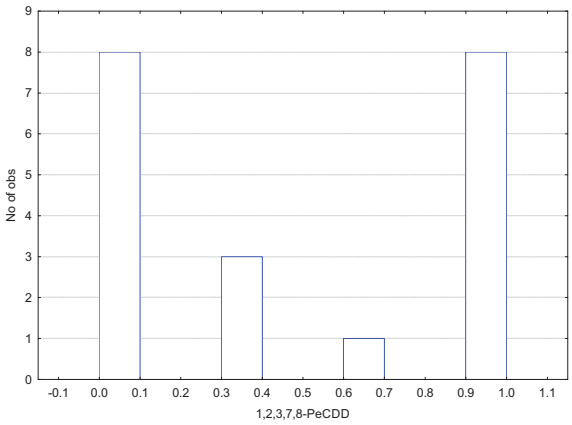
2.0
1.5
1.0
0.5
0.0
Rural TEQ

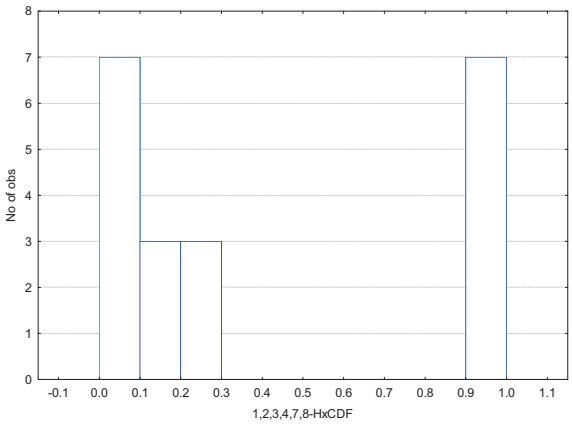

No of obs
2,3,7,8-TCDF

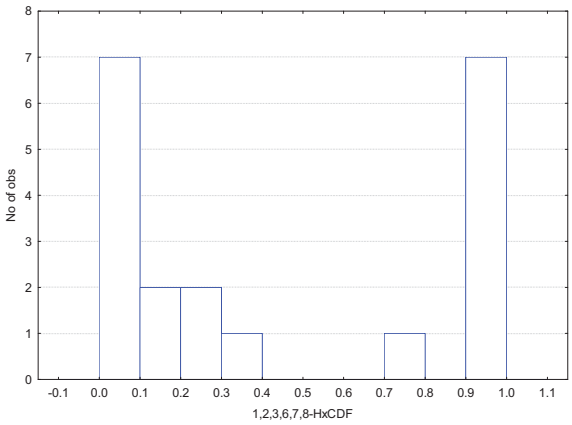

No of obs
2,3,7,8-TCDD

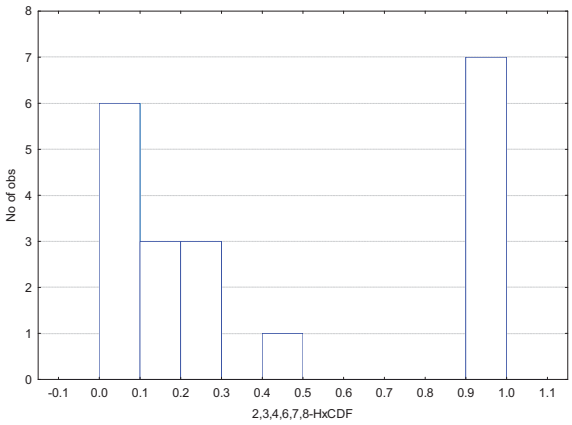

No of obs
1,2,3,7,8-PeCDF

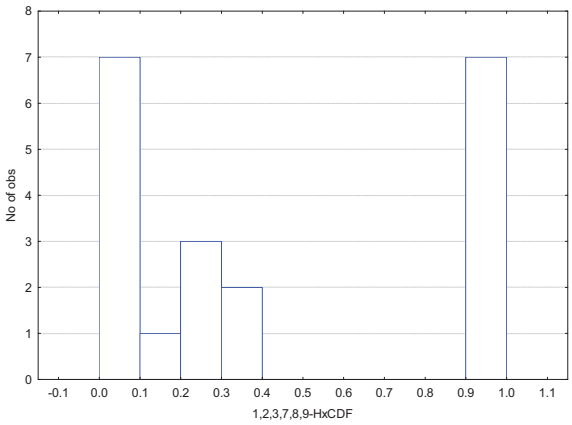

No of obs
2,3,4,7,8-PeCDF

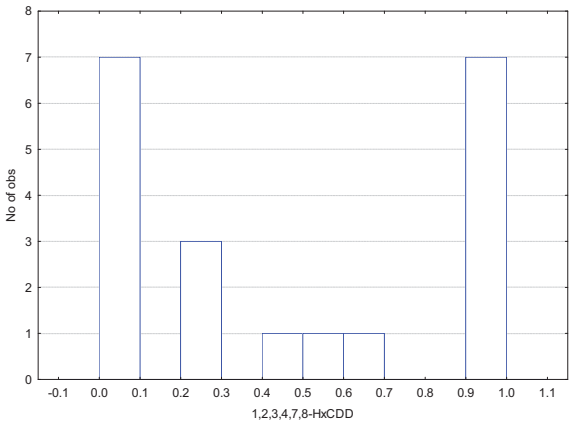

No of obs
1,2,3,7,8-PeCDD

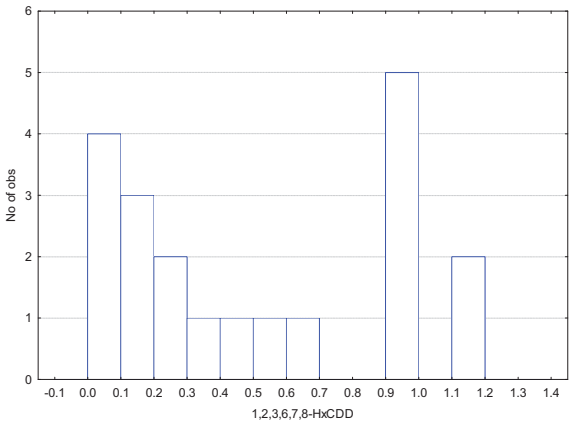

No of obs
1,2,3,4,7,8-HxCDF


No of obs
1,2,3,6,7,8-HxCDF


No of obs
2,3,4,6,7,8-HxCDF


No of obs
1,2,3,7,8,9-HxCDF


No of obs
1,2,3,4,7,8-HxCDD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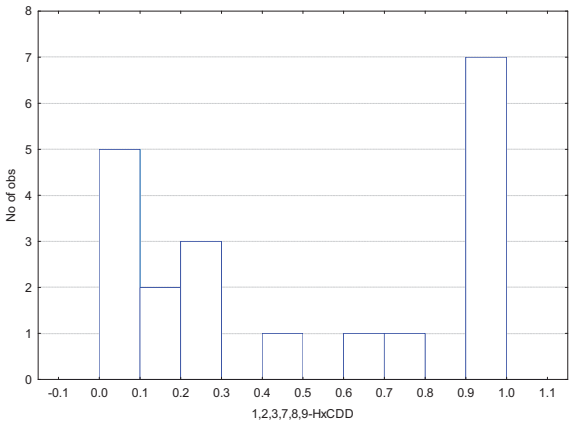
1,2,3,6,7,8-HxCDD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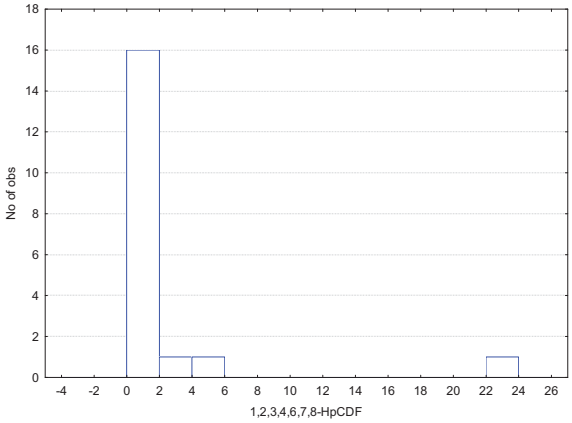
1,2,3,7,8,9-HxCDD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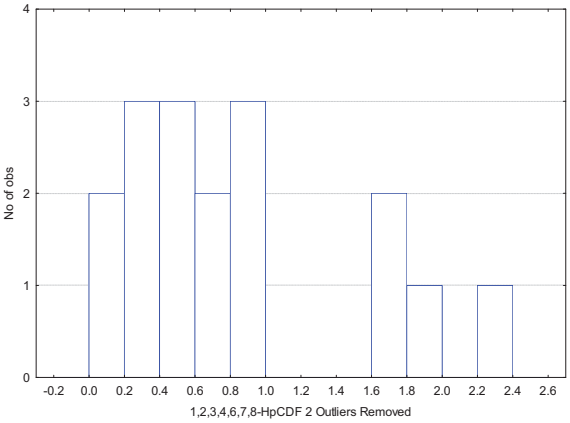
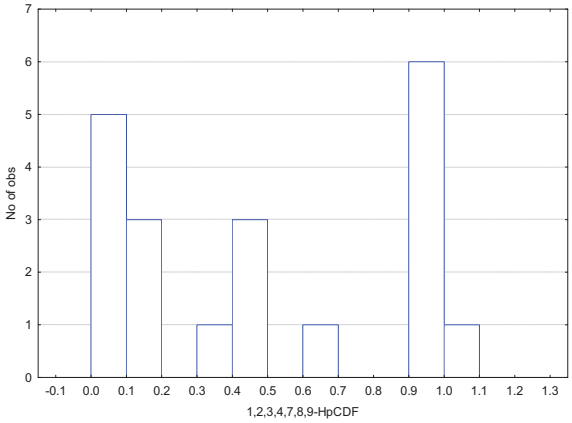
1,2,3,4,6,7,8-HpCDF


No of obs
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed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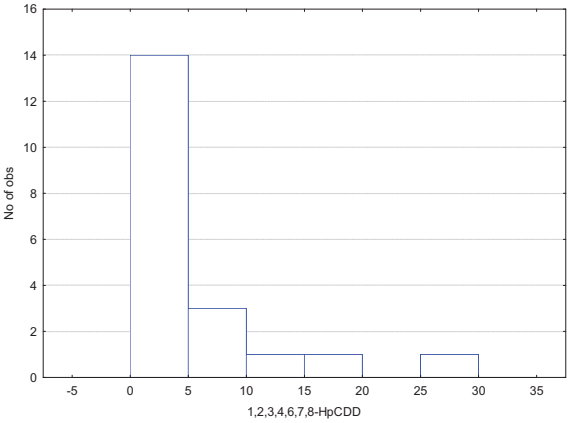
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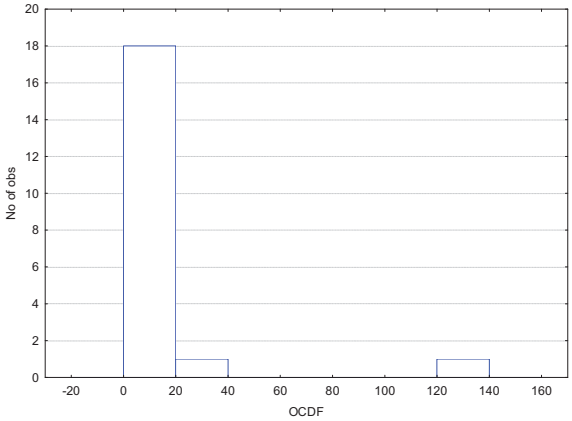
1,2,3,4,6,7,8-HpCDD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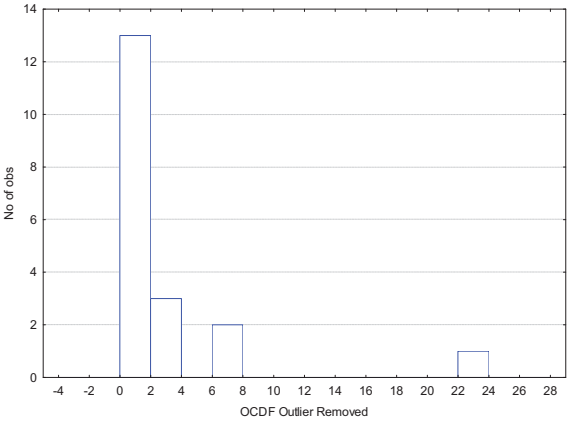
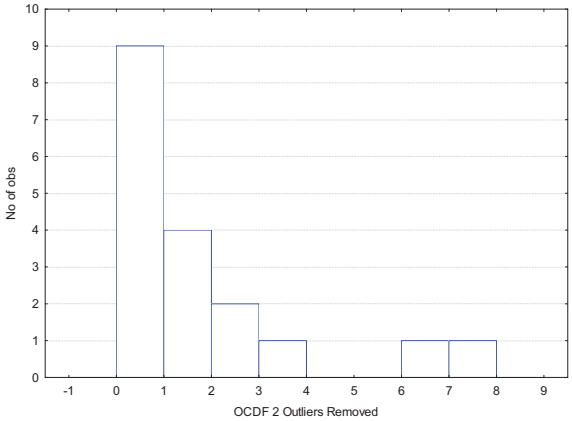
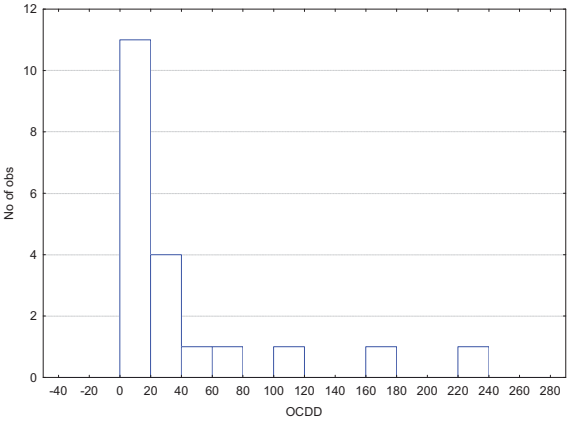

No of obs
OCDF Outlier Removed


No of obs
OCDF 2 Outliers Removed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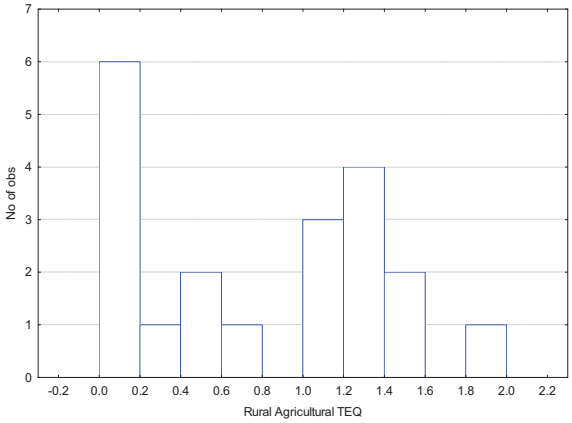
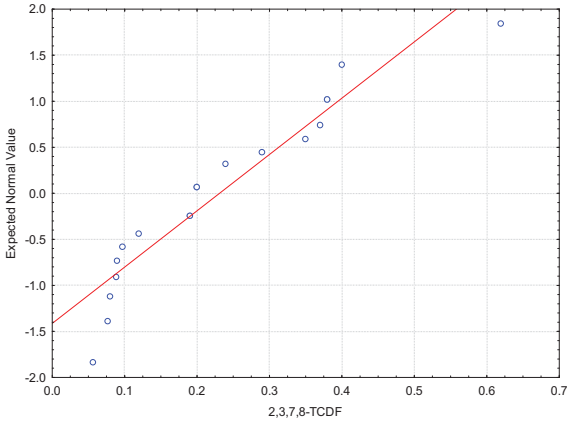
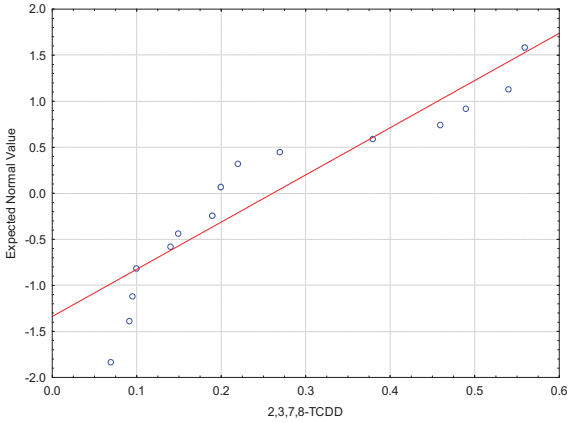
OCDD


No of obs
Rural Agricultural TEQ


Expected Normal Value
2,3,7,8-TCDF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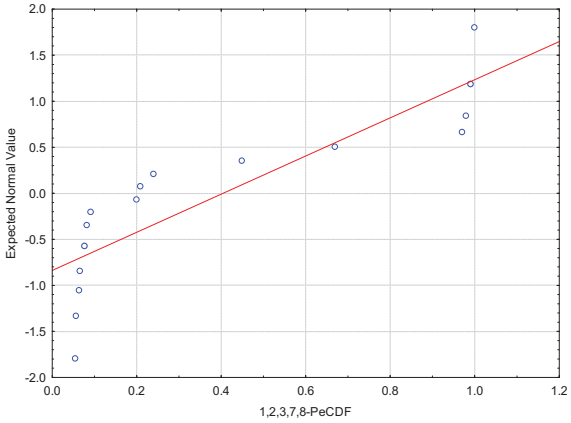
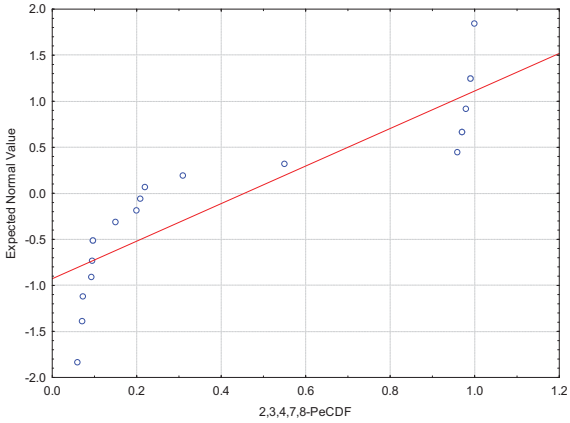
2,3,7,8-TCDD


Expected Normal Value
1,2,3,7,8-PeCDF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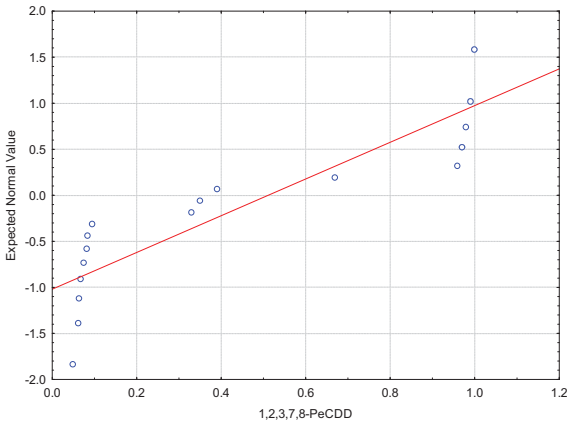
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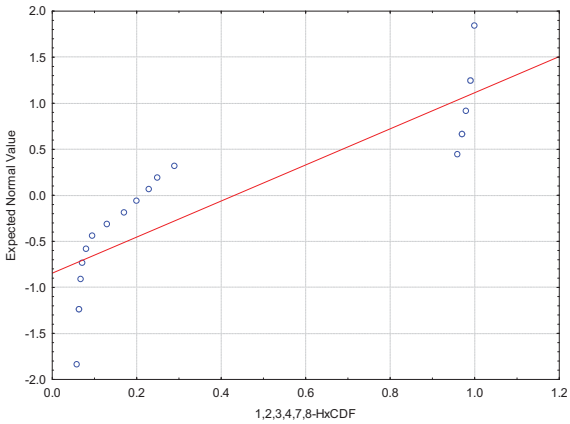
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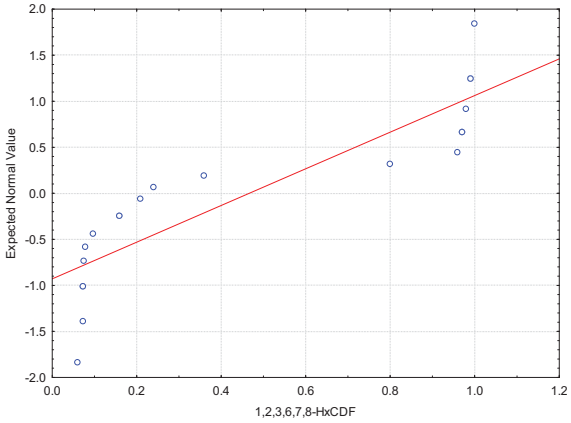
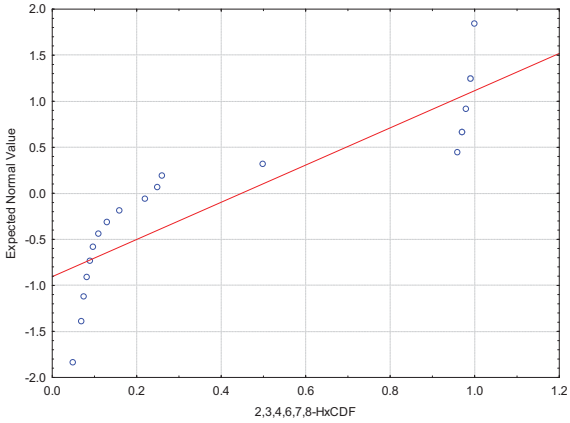
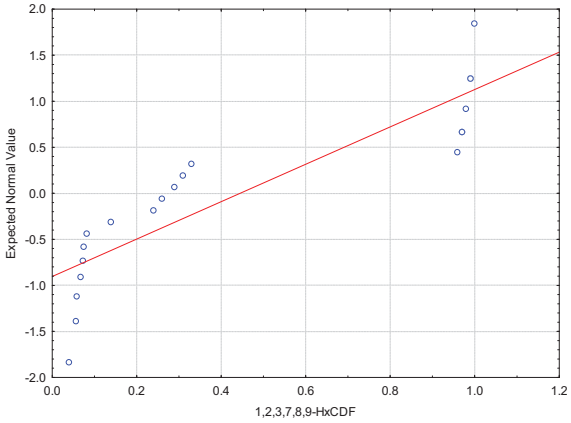

Expected Normal Value
1,2,3,6,7,8-HxCDF


Expected Normal Value
2,3,4,6,7,8-HxCDF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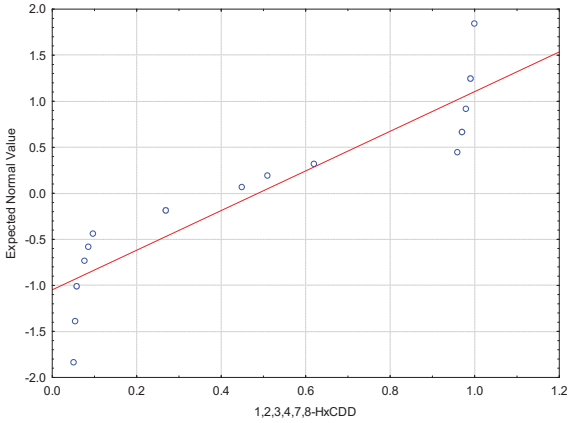
1,2,3,7,8,9-HxCDF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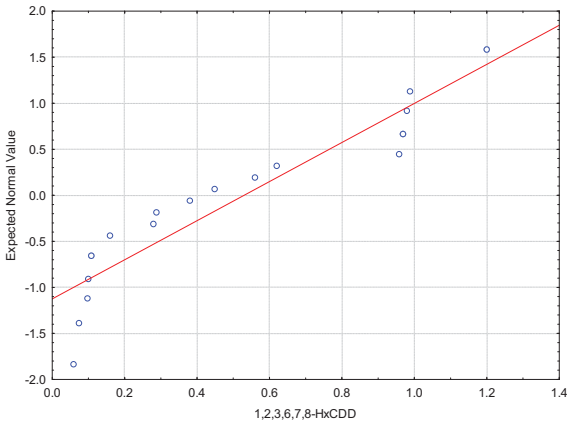
1,2,3,4,7,8-HxCDD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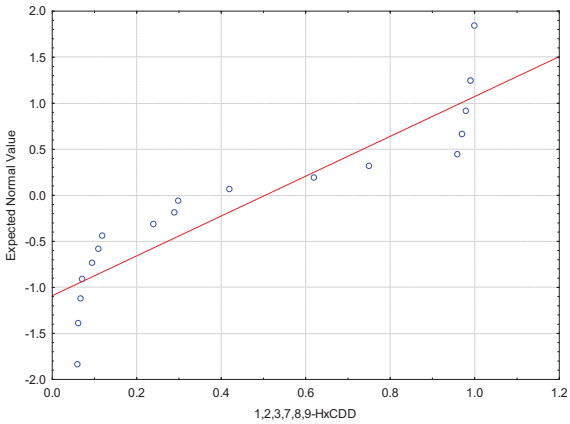
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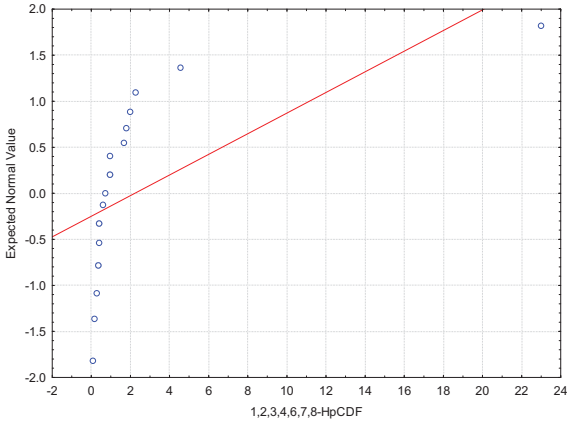
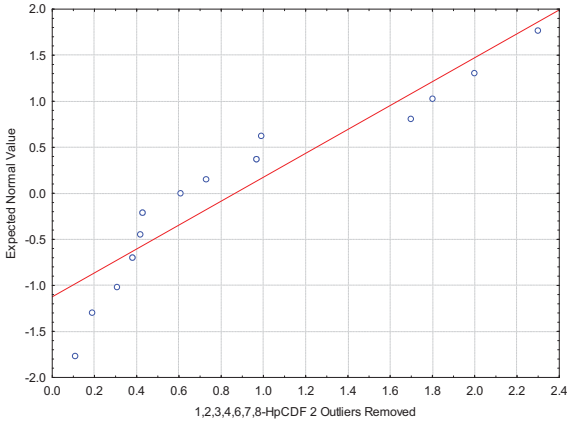
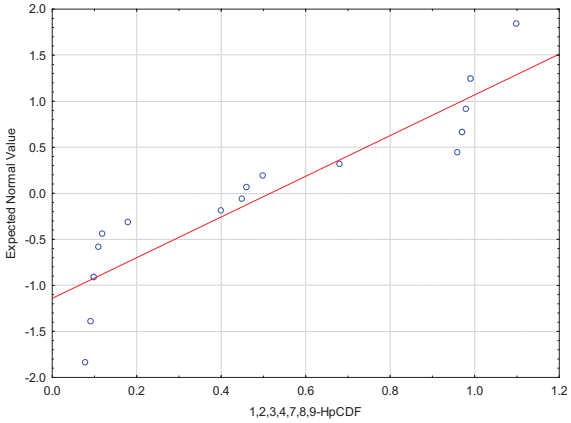
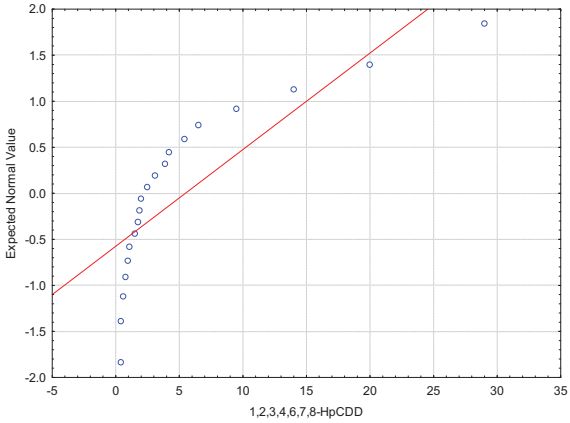

Expected Normal Value
1,2,3,4,6,7,8-HpCDF


Expected Normal Value
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed


Expected Normal Value
1,2,3,4,7,8,9-HpCDF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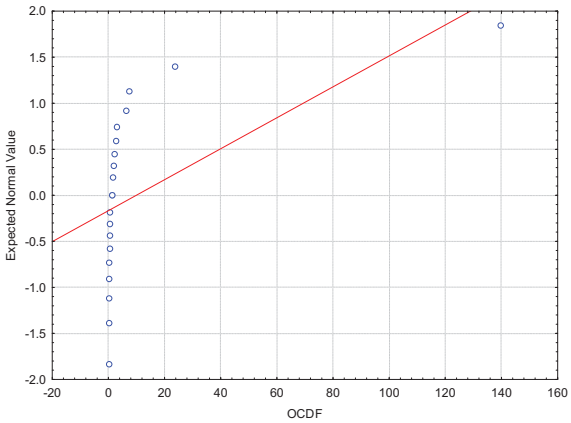
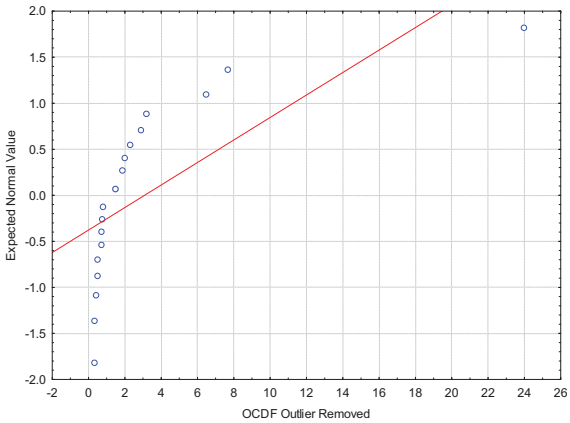
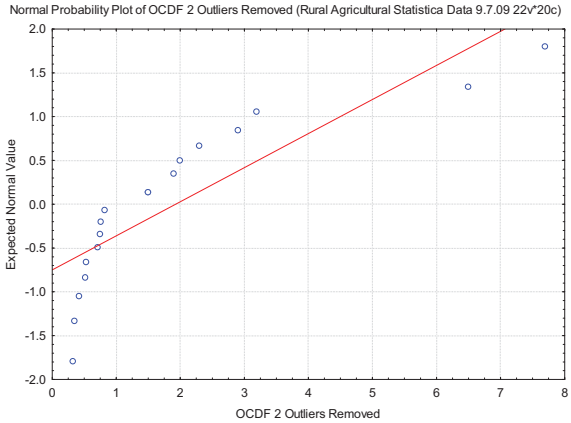
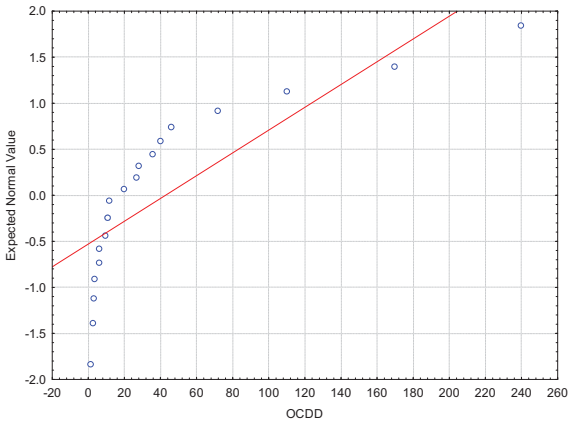
1,2,3,4,6,7,8-HpCDD


Expected Normal Value
OCDF


Expected Normal Value
OCDF Outlier Removed


Normal Probability Plot of OCDF 2 Outliers Removed (Rural Agricultural Statistica Data 9.7.09 22v*20c)
Expected Normal Value
OCDF 2 Outliers Removed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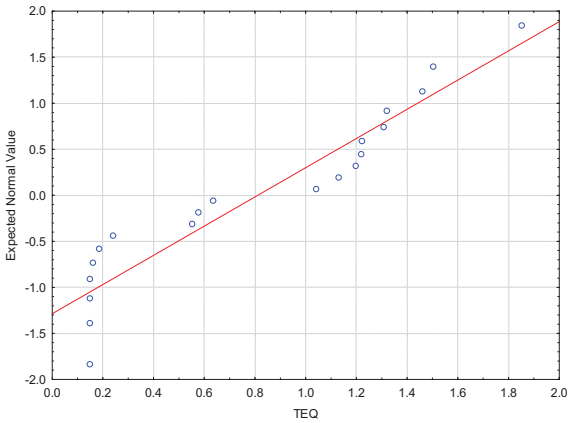
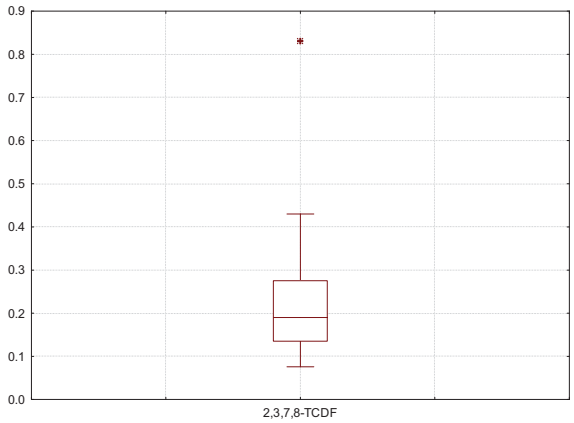
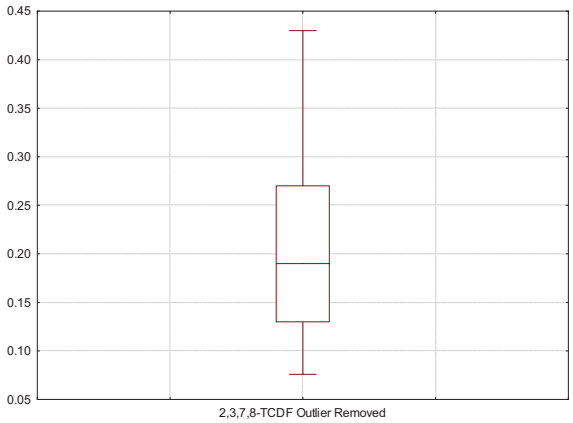
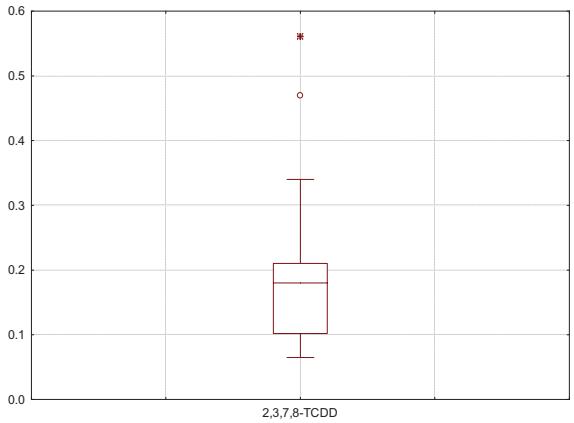
OCDD


Expected Normal Value
TEQ

Rural Forested Plots


0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2,3,7,8-TCDF


0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
2,3,7,8-TCDF Outlier Removed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0.5
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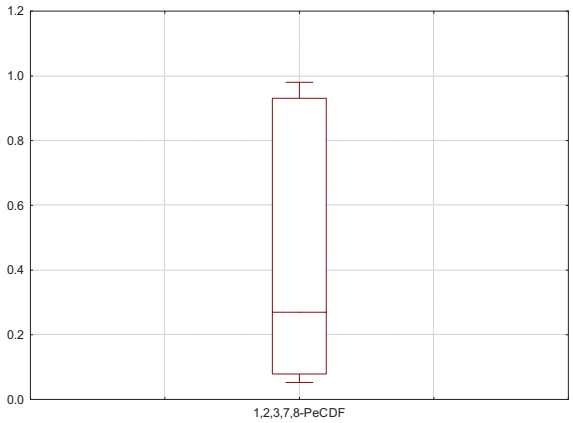
0.3
0.2
0.1
0.0
2,3,7,8-TCDD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0.8
0.6
0.4
0.2
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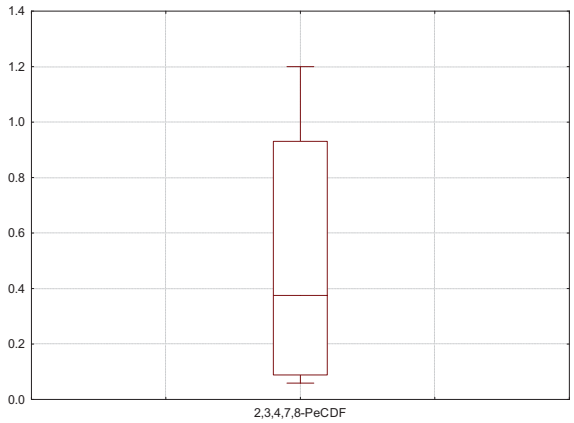
1,2,3,7,8-PeCDF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1.0
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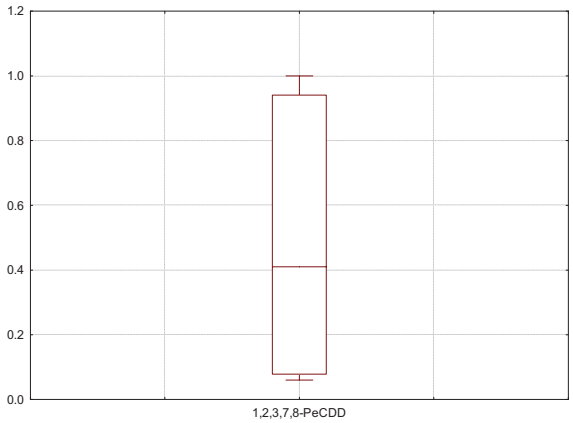
0.6
0.4
0.2
0.0
2,3,4,7,8-PeCDF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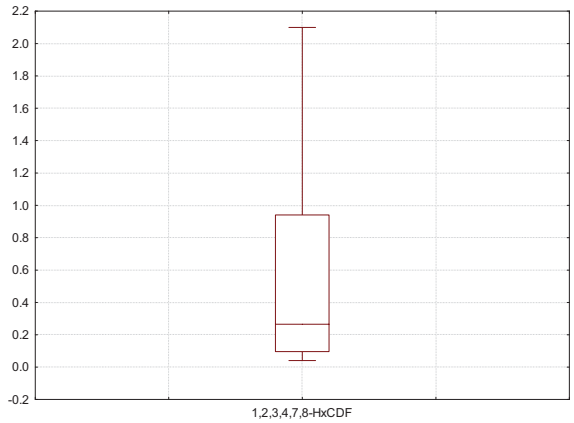
0.6
0.4
0.2
0.0
1,2,3,7,8-PeCDD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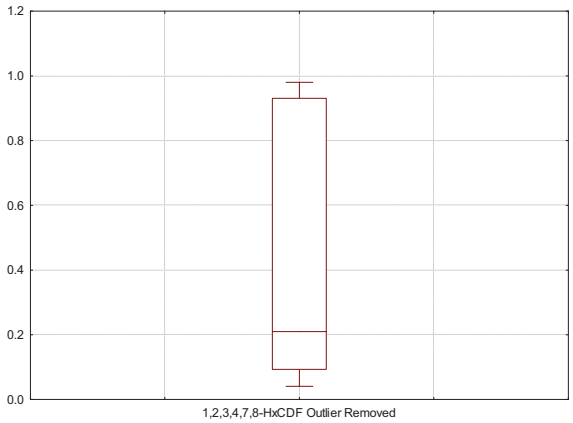
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
1,2,3,4,7,8-HxCDF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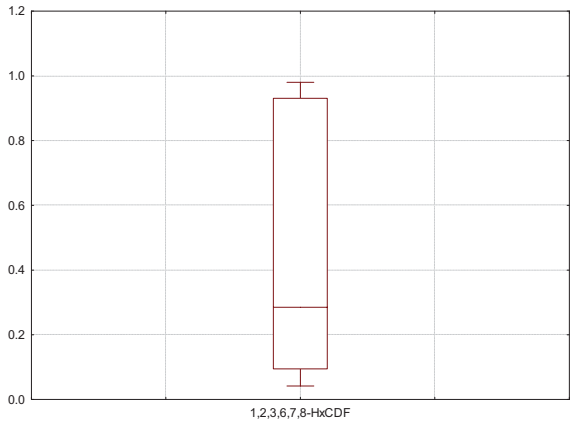
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8-HxCDF Outlier Removed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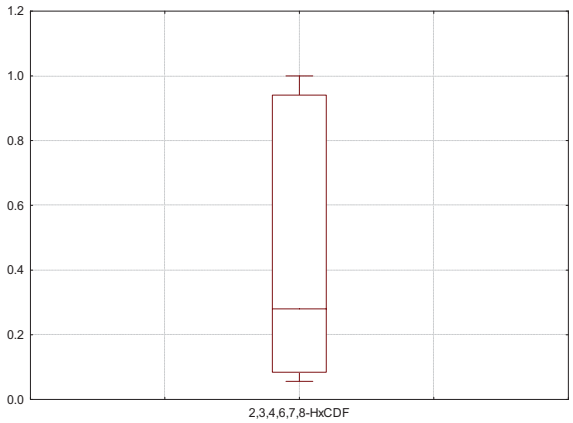
0.6
0.4
0.2
0.0
1,2,3,6,7,8-HxCDF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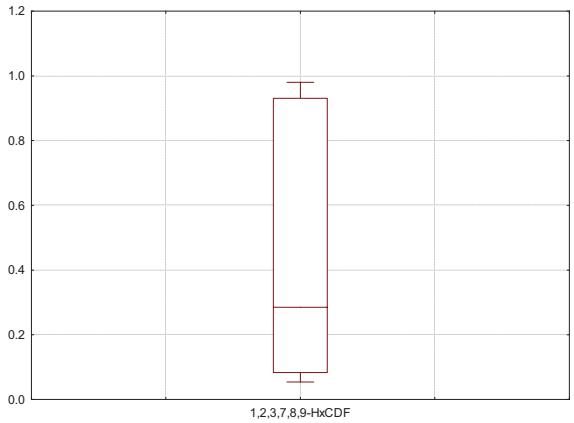
2,3,4,6,7,8-HxCDF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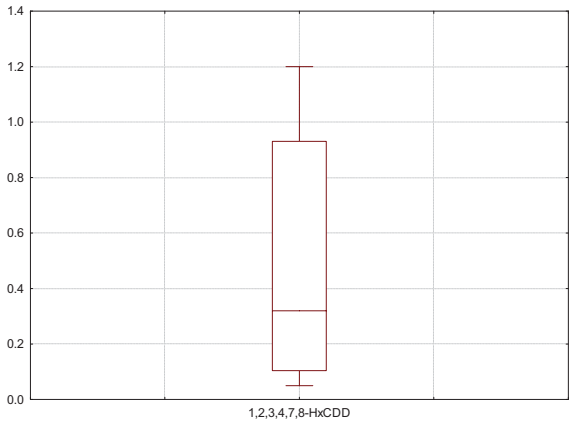
1,2,3,7,8,9-HxCDF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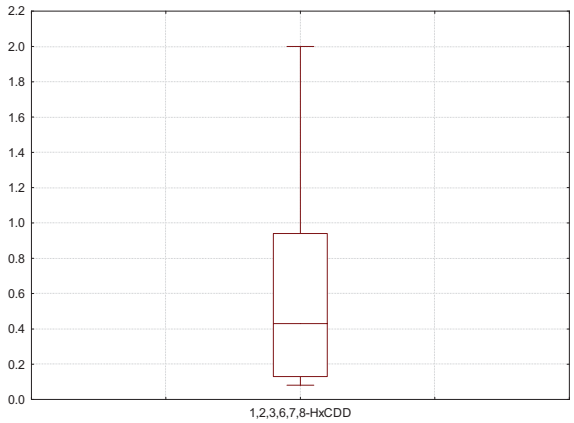
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8-HxCDD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1.6
1.4
1.2
1.0
0.8
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0.4
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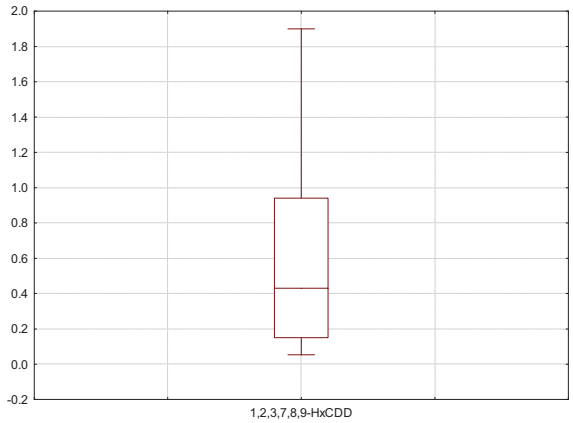
0.0
1,2,3,6,7,8-HxCDD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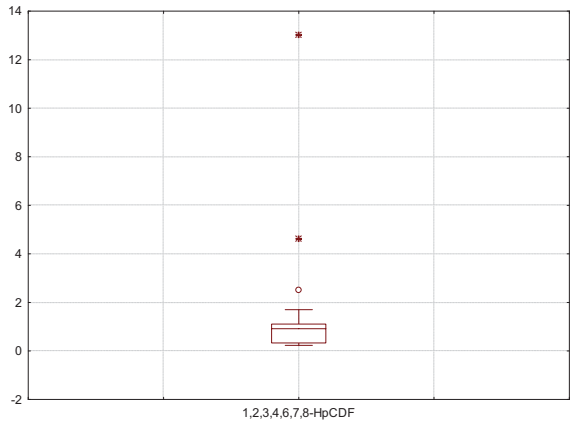
0.6
0.4
0.2
0.0
-0.2
1,2,3,7,8,9-HxCDD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12
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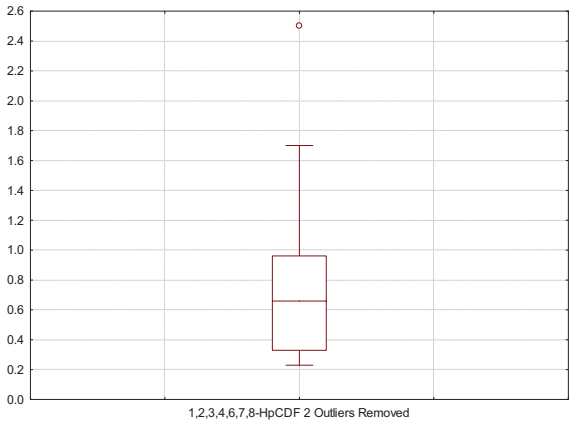
8
6
4
2
0
-2
1,2,3,4,6,7,8-HpCDF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2.4
2.2
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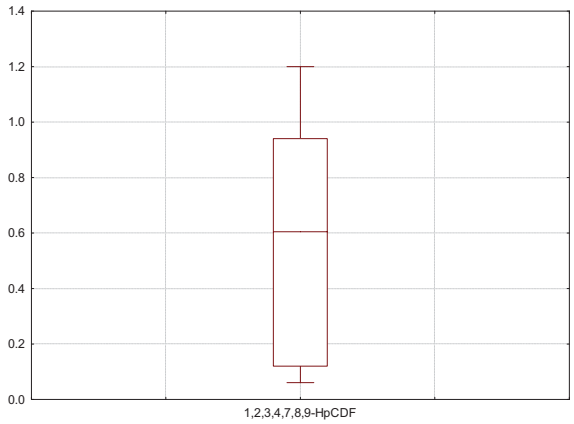
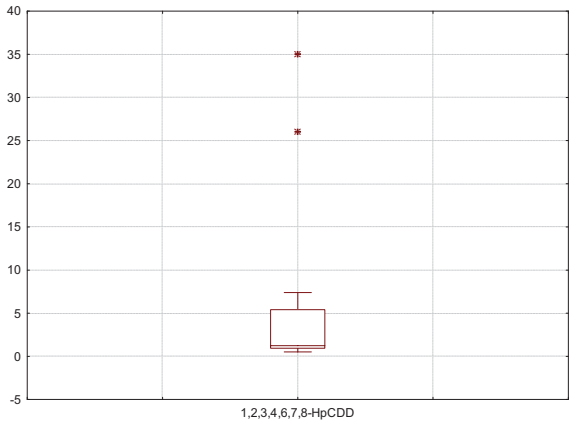
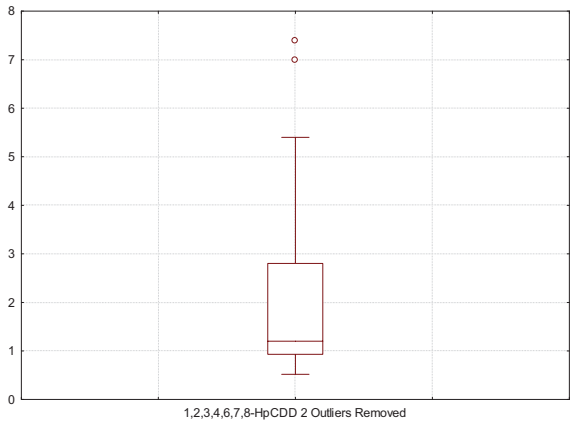
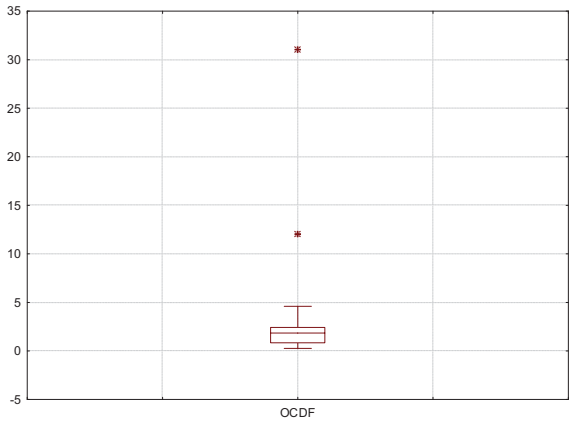
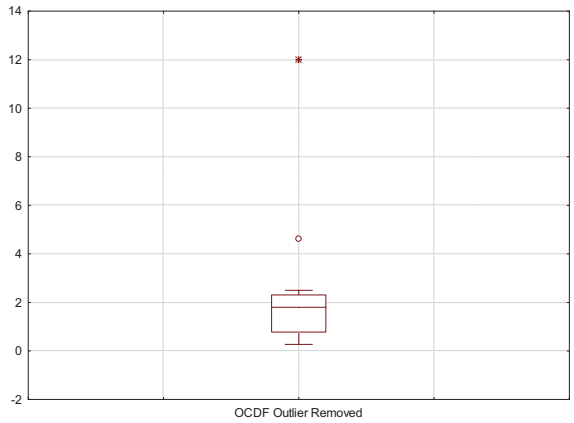
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed


1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8,9-HpCDF


40
35
30
25
20
15
10
5
0
-5
1,2,3,4,6,7,8-HpCDD


8
7
6
5
4
3
2
1
0
1,2,3,4,6,7,8-HpCDD 2 Outliers Removed


35
30
25
20
15
10
5
0
-5
OCDF


14
12
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6
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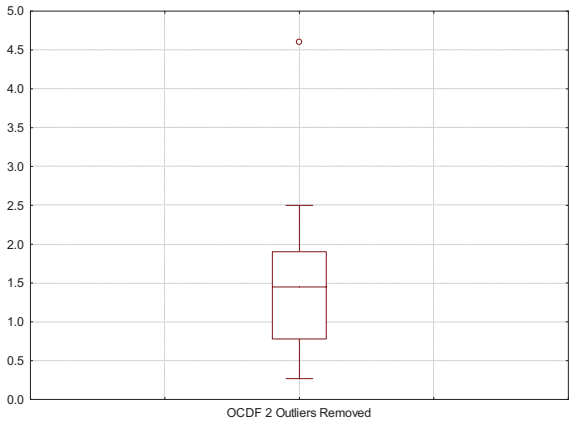
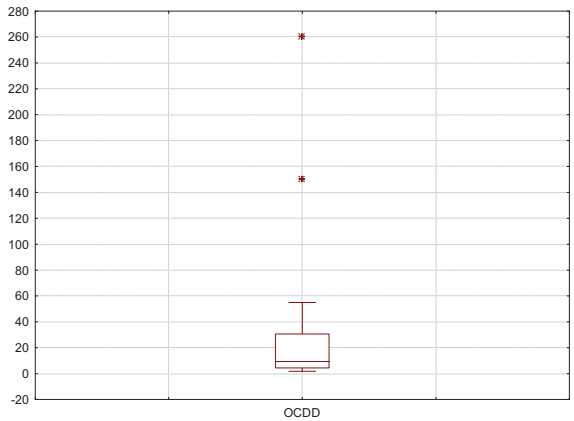
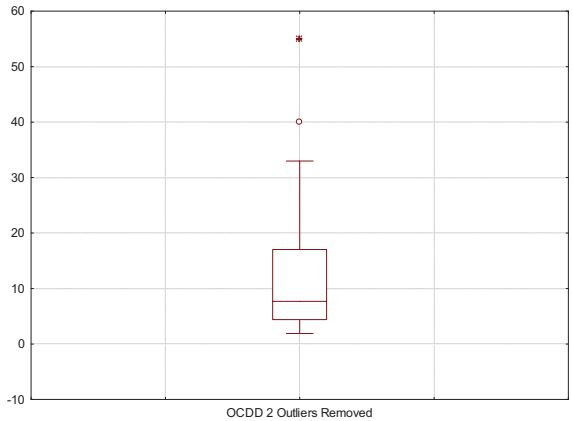
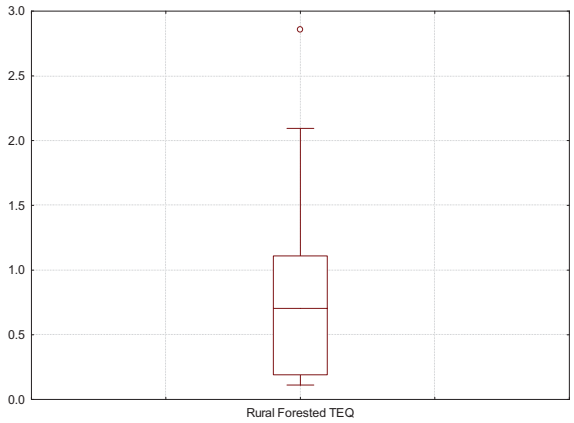
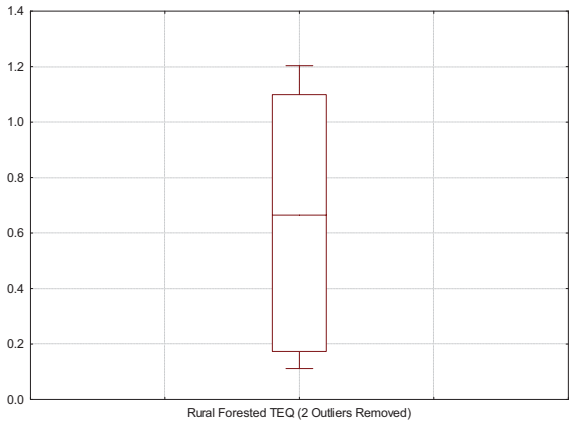
2
0
-2
OCDF Outlier Removed

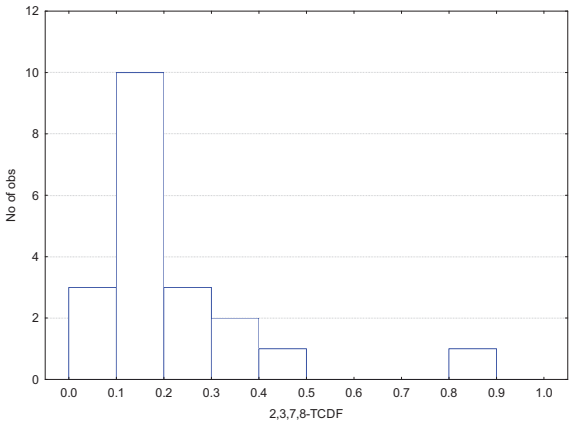

5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
OCDF 2 Outliers Removed

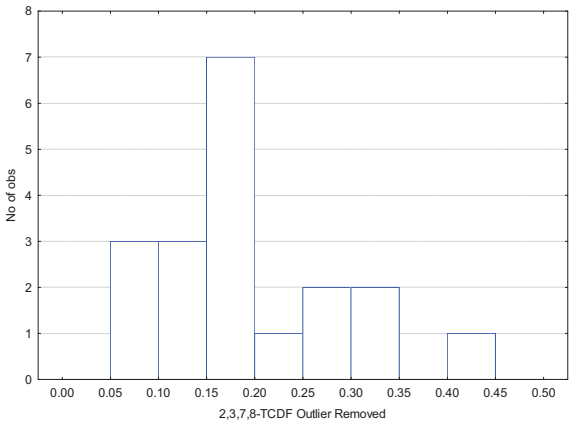

280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
OCDD

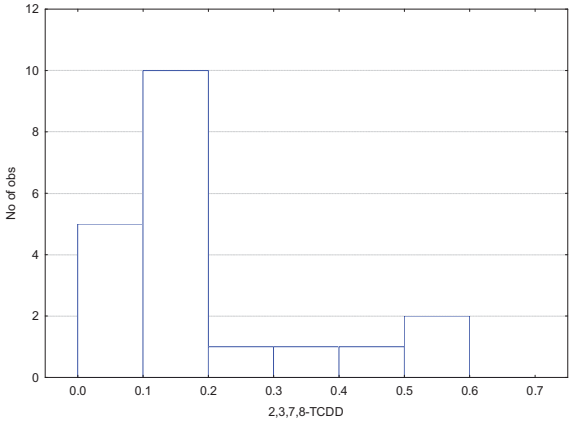

60
50
40
30
20
10
0
-10
OCDD 2 Outliers Removed

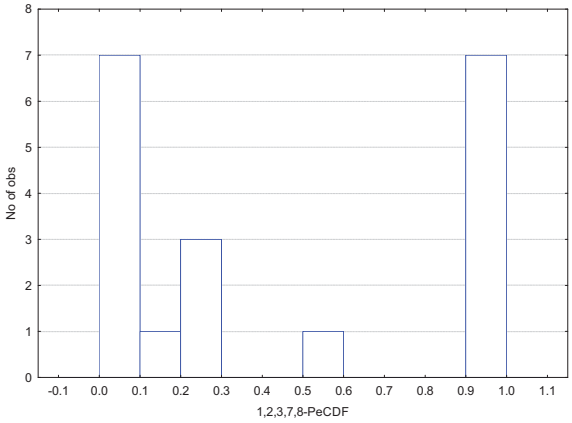

3.0
2.5
2.0
1.5
1.0
0.5
0.0
Rural Forested TEQ

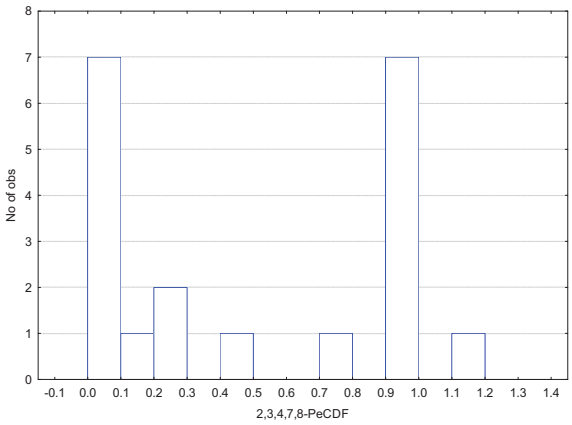

1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Rural Forested TEQ (2 Outliers Removed)

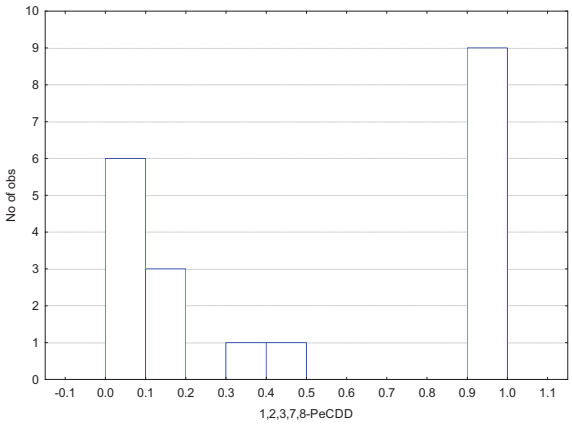

No of obs
2,3,7,8-TCDF

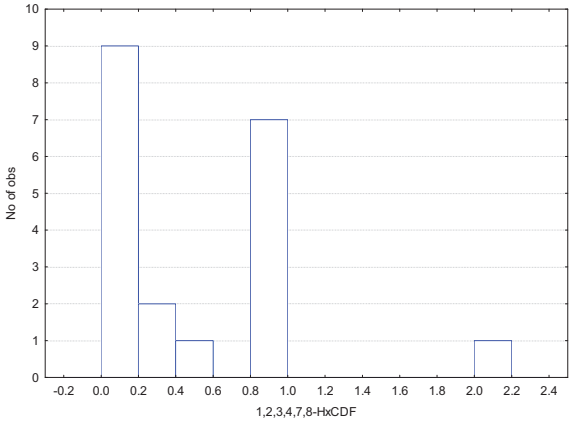

No of obs
2,3,7,8-TCDF Outlier Removed

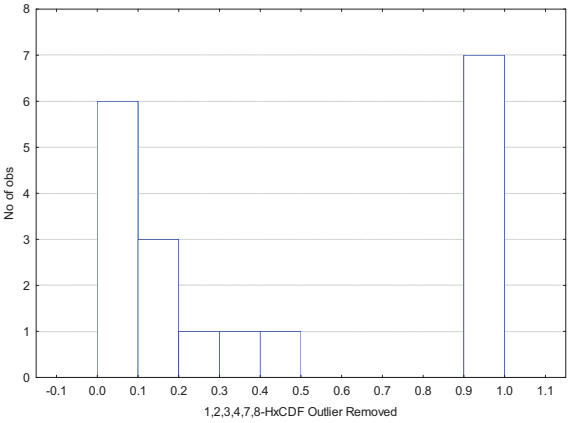

No of obs
2,3,7,8-TCDD

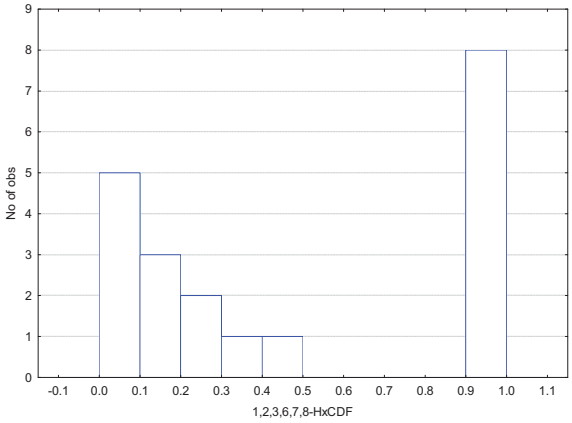

No of obs
1,2,3,7,8-PeCDF

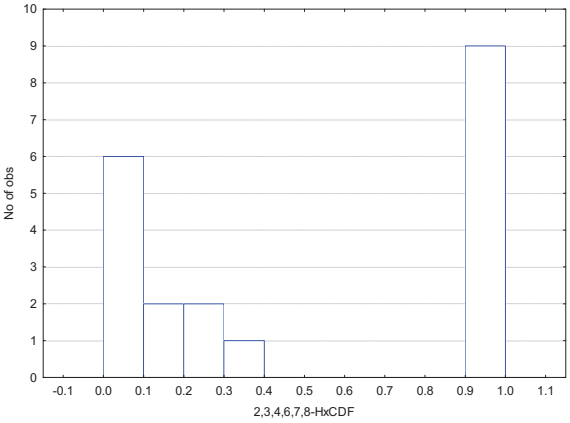

No of obs
2,3,4,7,8-PeCDF

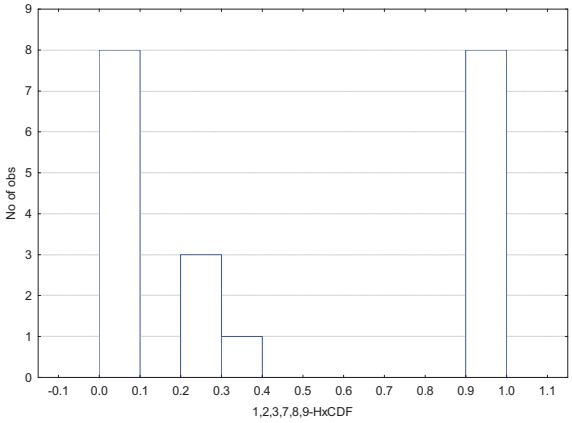

No of obs
1,2,3,7,8-PeCDD

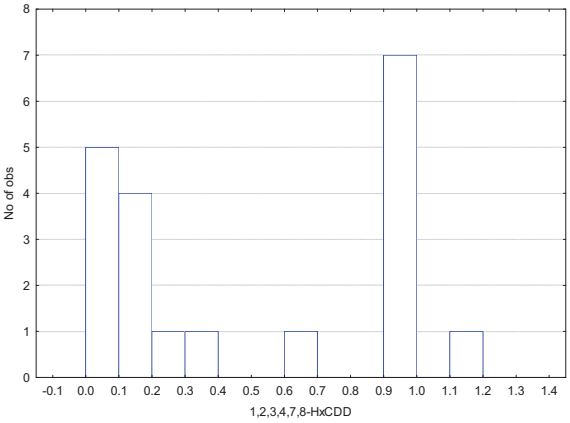

No of obs
1,2,3,4,7,8-HxCDF

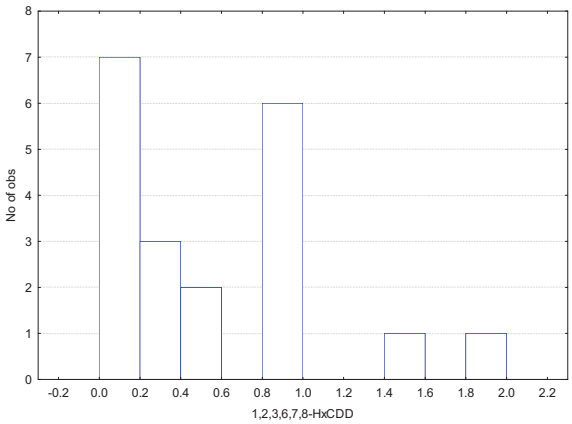

No of obs
1,2,3,4,7,8-HxCDF Outlier Removed

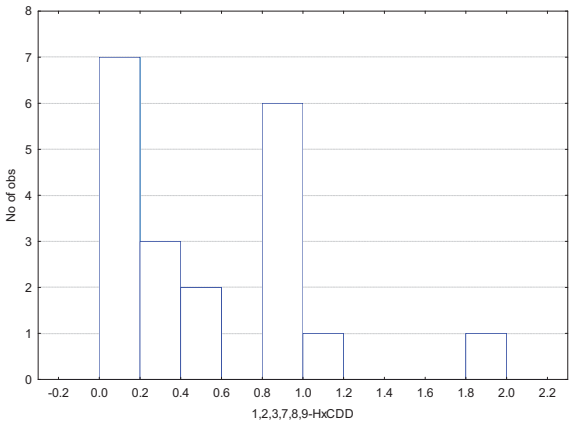

No of obs
1,2,3,6,7,8-HxCDF

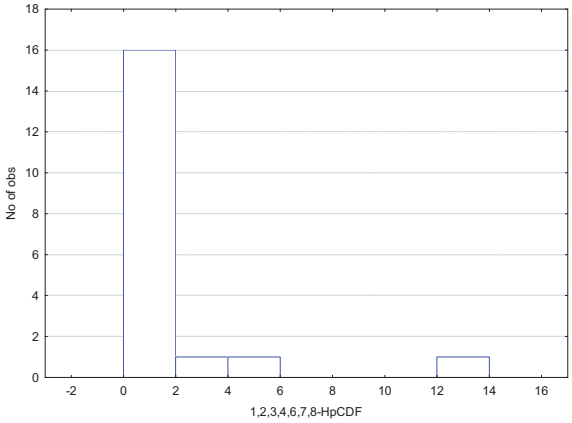

No of obs
2,3,4,6,7,8-HxCDF

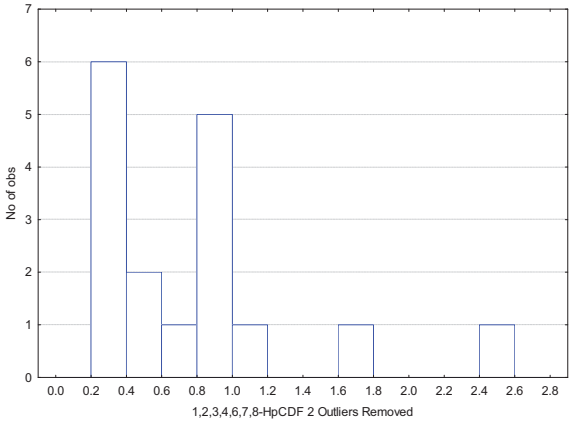

No of obs
1,2,3,7,8,9-HxCDF

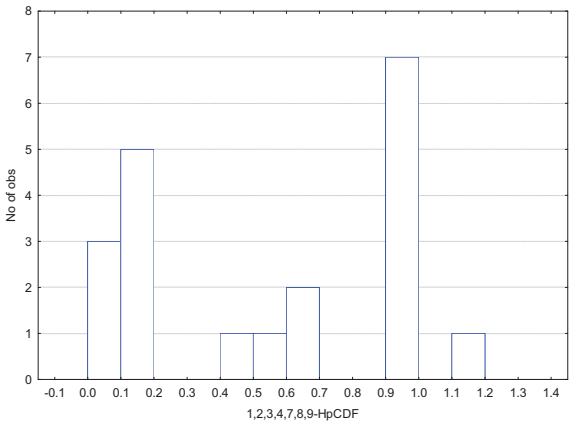

No of obs
1,2,3,4,7,8-HxCDD

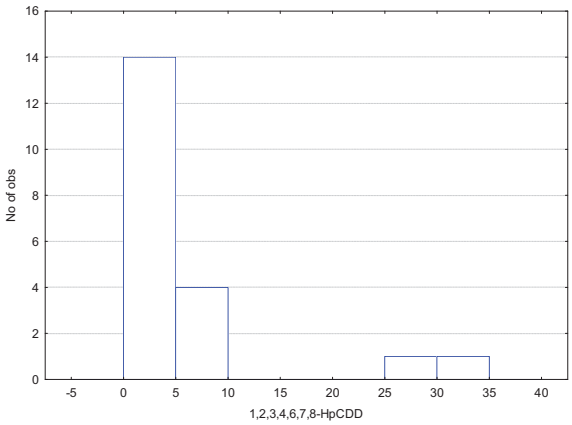

No of obs
1,2,3,6,7,8-HxCDD

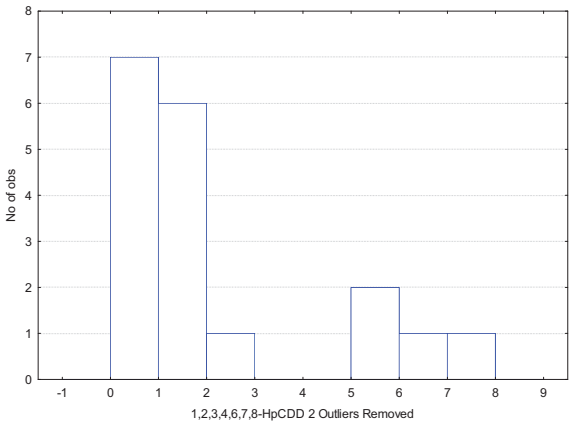

No of obs
1,2,3,7,8,9-HxCDD

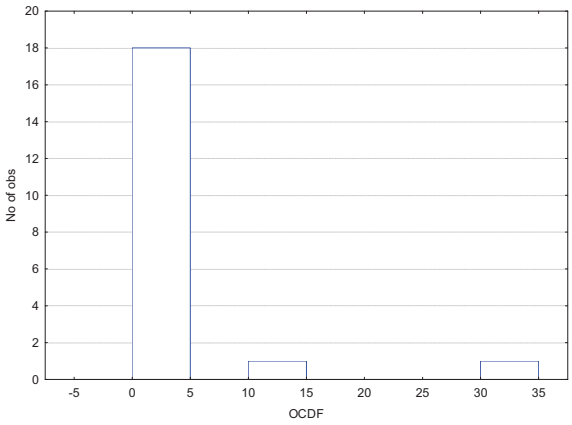

No of obs
1,2,3,4,6,7,8-HpCDF

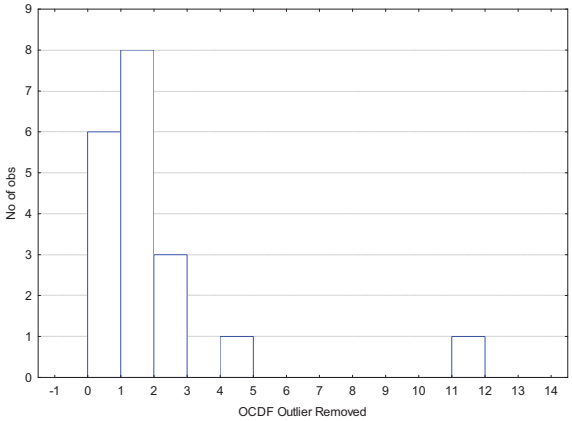

No of obs
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed

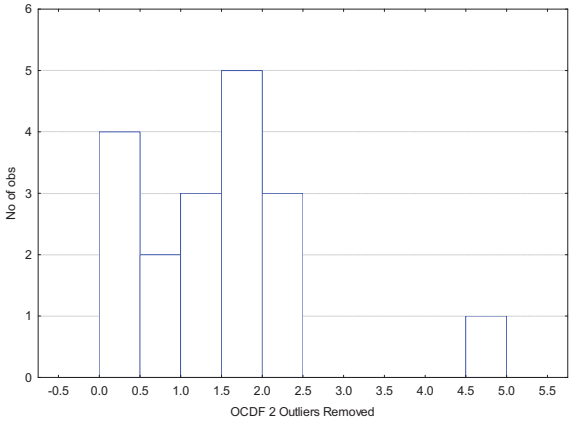

No of obs
1,2,3,4,7,8,9-HpCDF

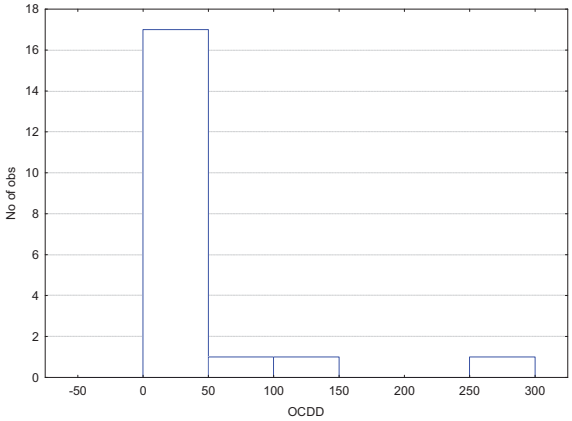

No of obs
1,2,3,4,6,7,8-HpCDD

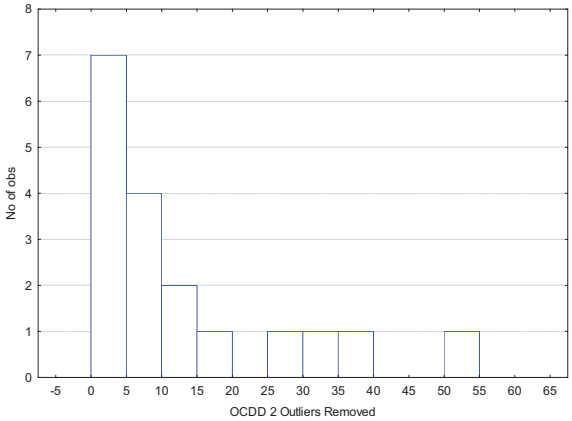

No of obs
1,2,3,4,6,7,8-HpCDD 2 Outliers Removed

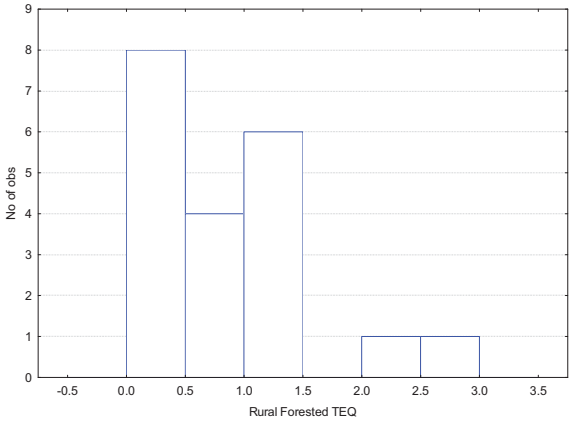

No of obs
OCDF

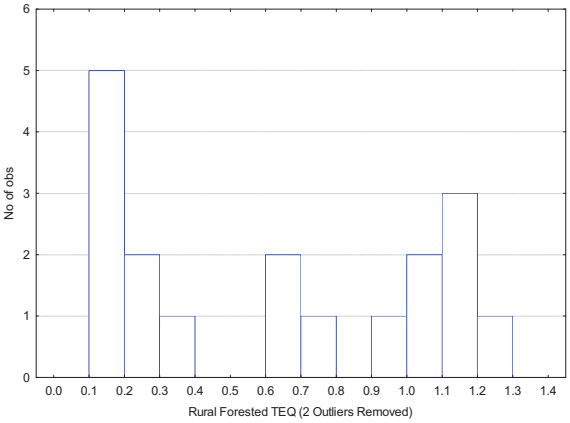

No of obs
OCDF Outlier Removed

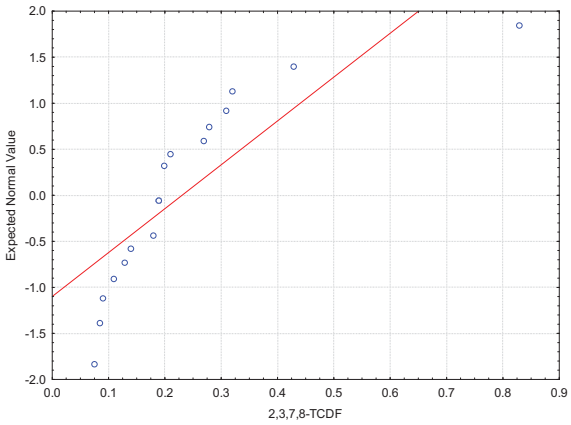

No of obs
OCDF 2 Outliers Removed

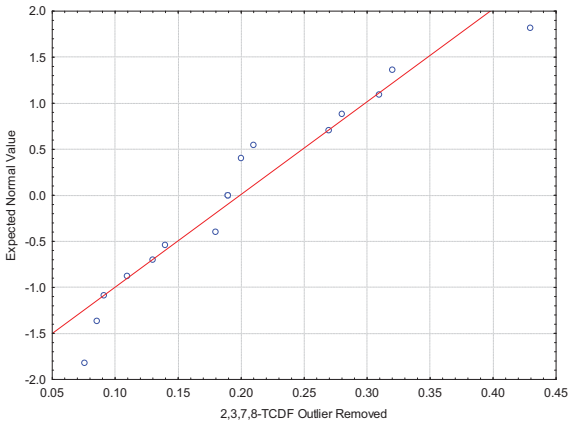

No of obs
OCDD

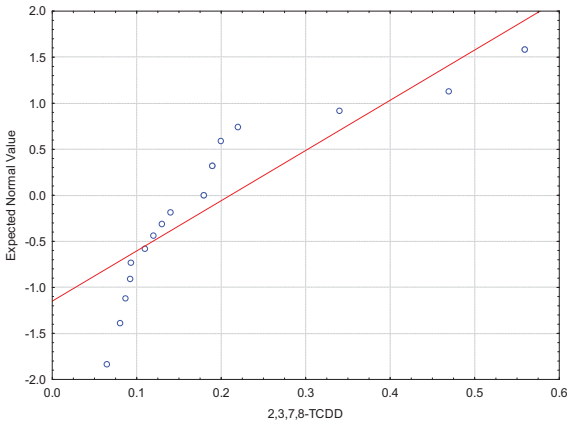

No of obs
OCDD 2 Outliers Removed

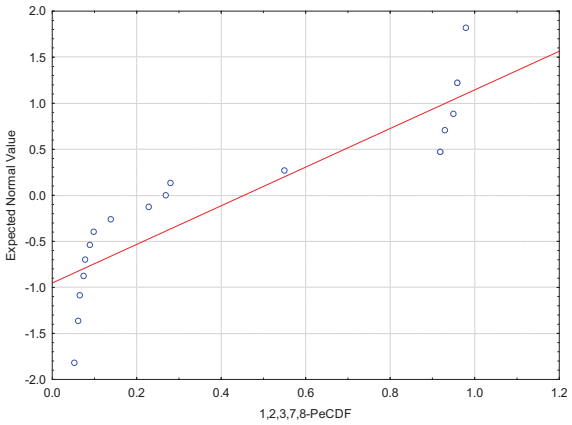

No of obs
Rural Forested TEQ

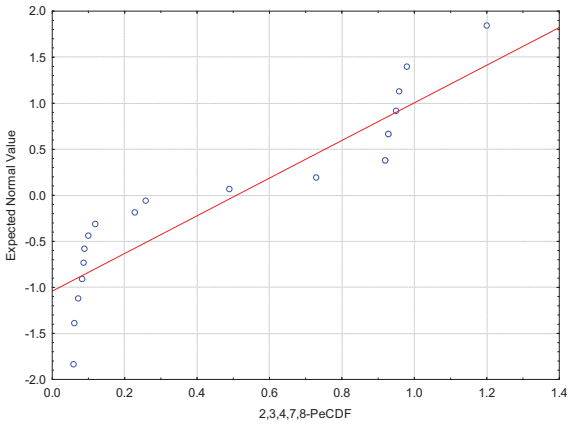

No of obs
Rural Forested TEQ (2 Outliers Removed)

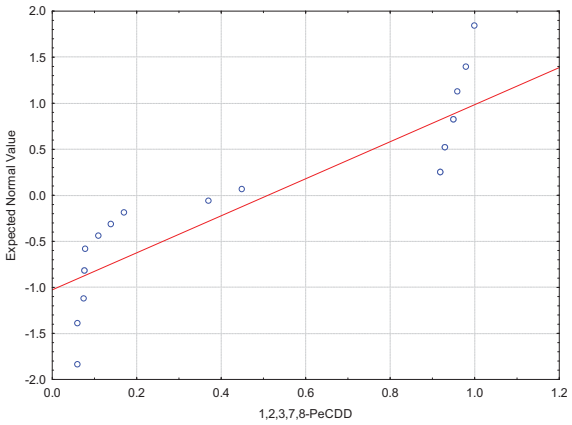

Expected Normal Value
2,3,7,8-TCDF

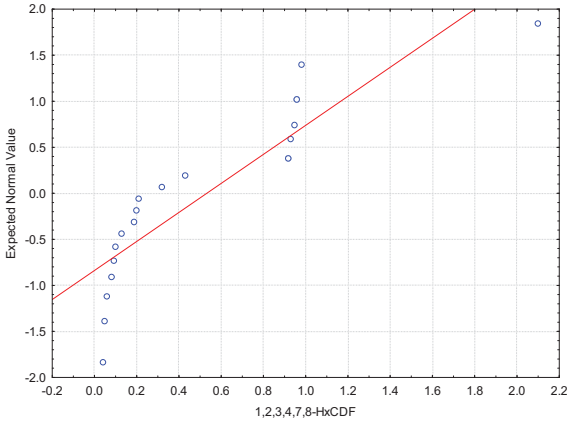

Expected Normal Value
2,3,7,8-TCDF Outlier Removed

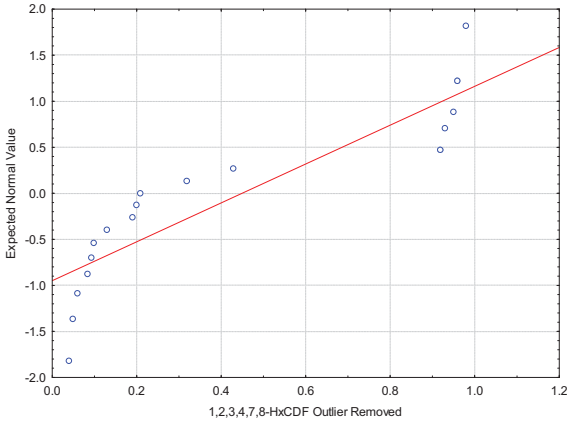

Expected Normal Value
2,3,7,8-TCDD

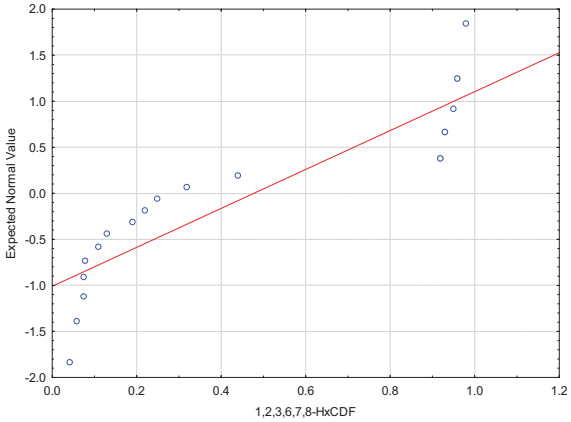

Expected Normal Value
1,2,3,7,8-PeCDF

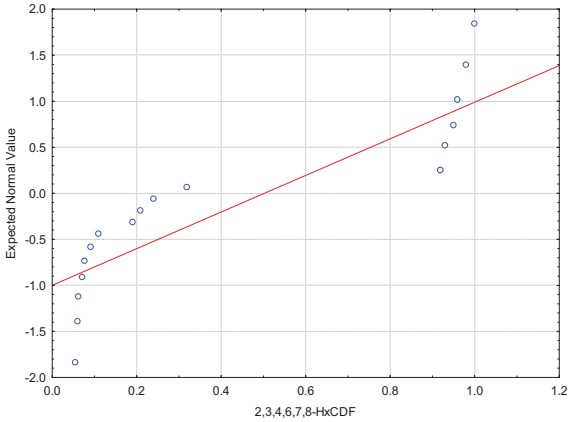

Expected Normal Value
2,3,4,7,8-PeCDF

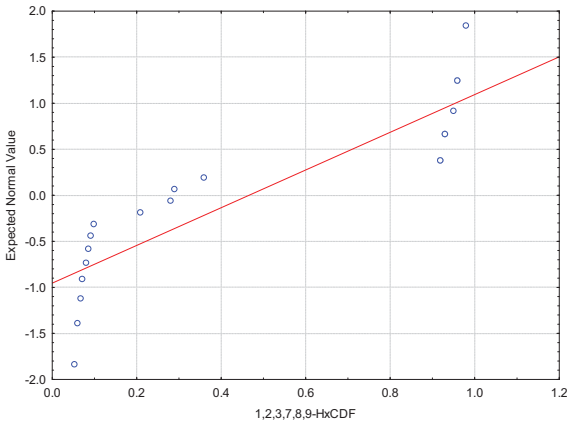

Expected Normal Value
1,2,3,7,8-PeCDD

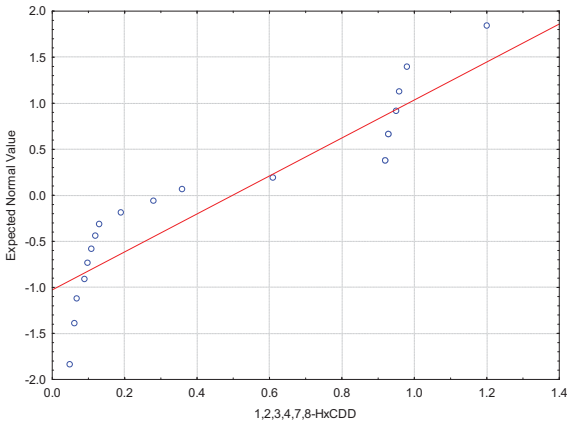

Expected Normal Value
1,2,3,4,7,8-HxCDF

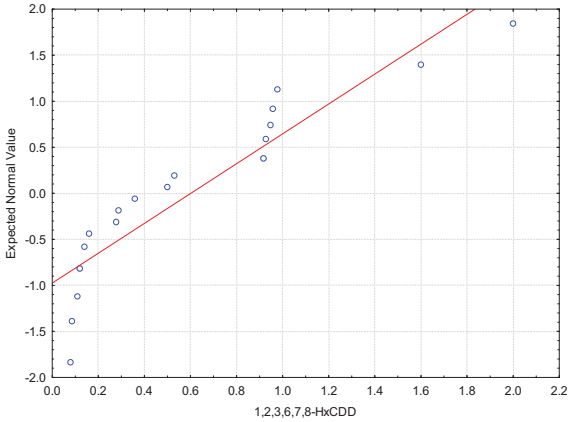

Expected Normal Value
1,2,3,4,7,8-HxCDF Outlier Removed

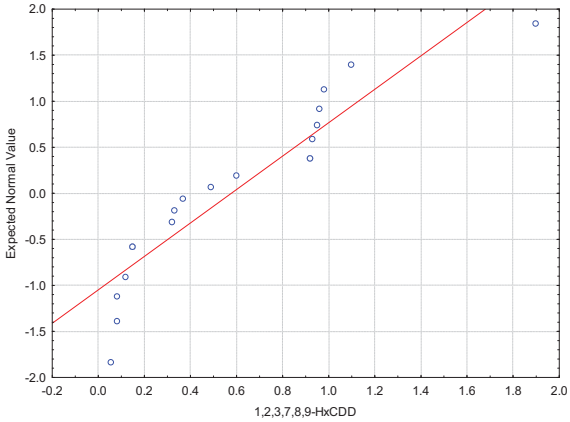

Expected Normal Value
1,2,3,6,7,8-HxCDF

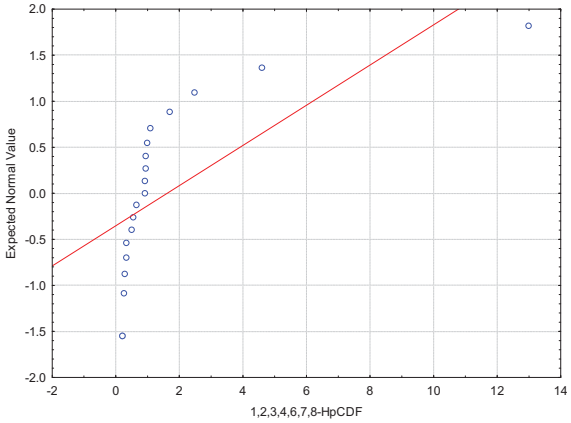

Expected Normal Value
2,3,4,6,7,8-HxCDF

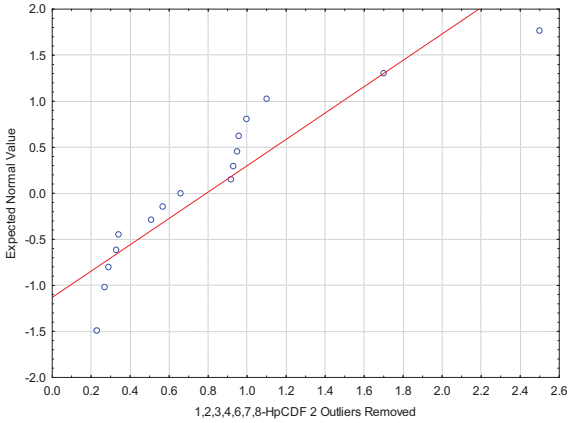

Expected Normal Value
1,2,3,7,8,9-HxCDF

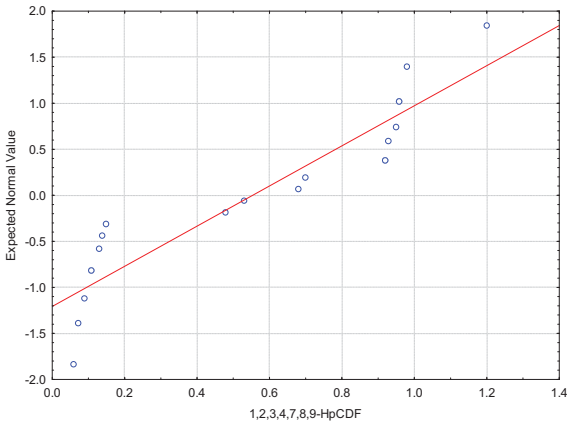

Expected Normal Value
1,2,3,4,7,8-HxCDD

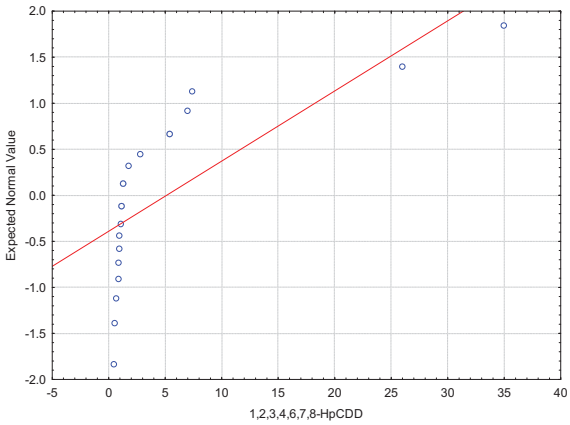

Expected Normal Value
1,2,3,6,7,8-HxCDD

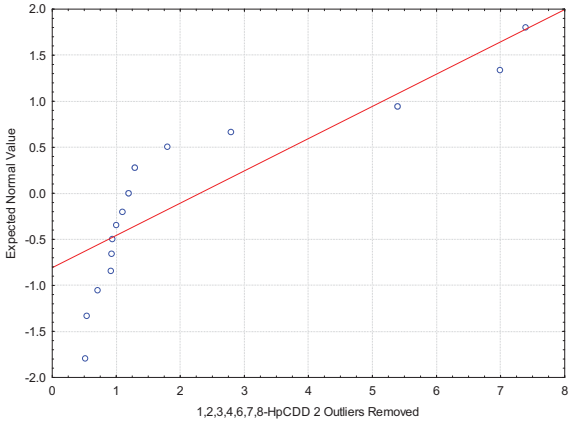

Expected Normal Value
1,2,3,7,8,9-HxCDD

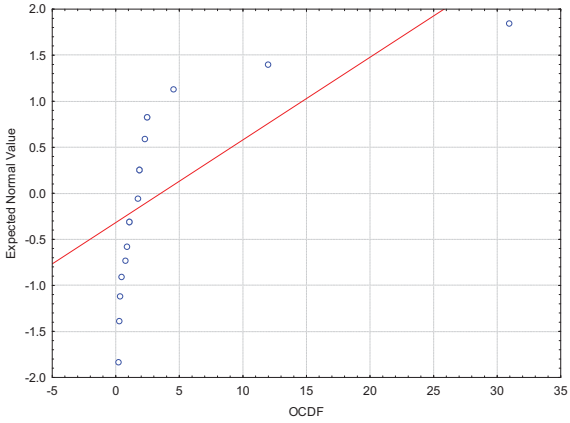

Expected Normal Value
1,2,3,4,6,7,8-HpCDF

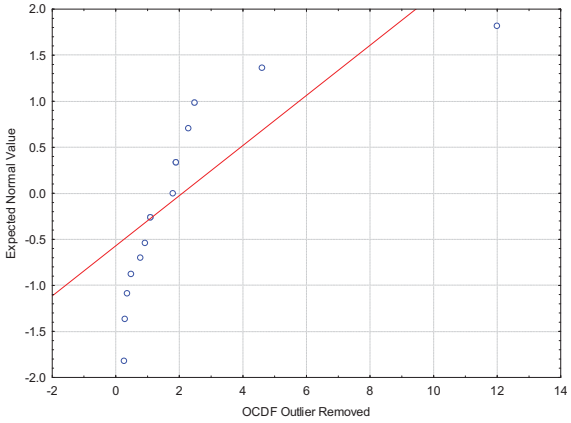

Expected Normal Value
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed

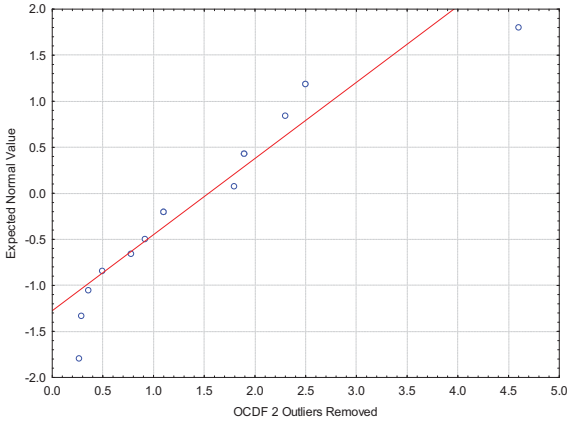

Expected Normal Value
1,2,3,4,7,8,9-HpCDF

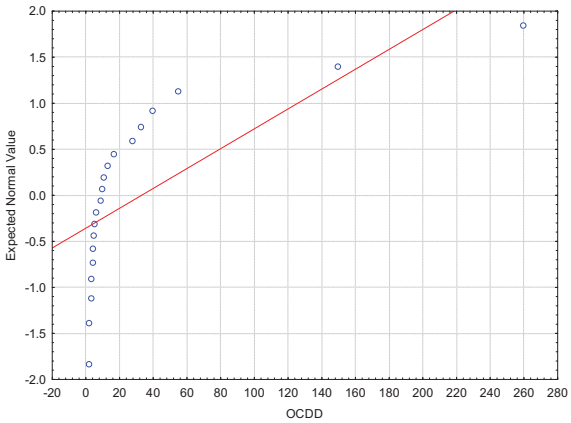

Expected Normal Value
1,2,3,4,6,7,8-HpCDD

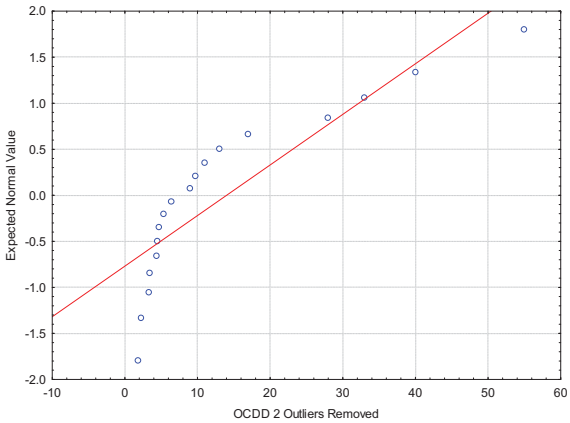

Expected Normal Value
1,2,3,4,6,7,8-HpCDD 2 Outliers Removed

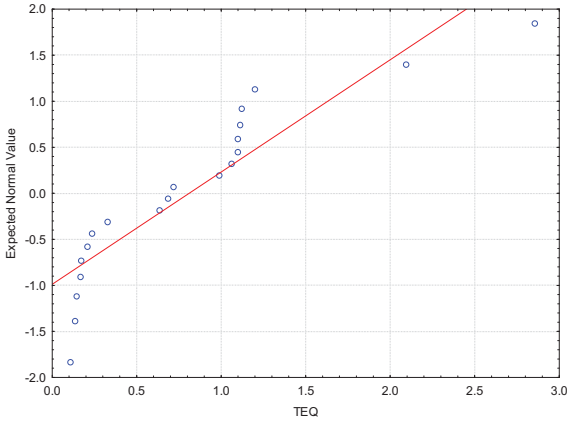

Expected Normal Value
OCDF

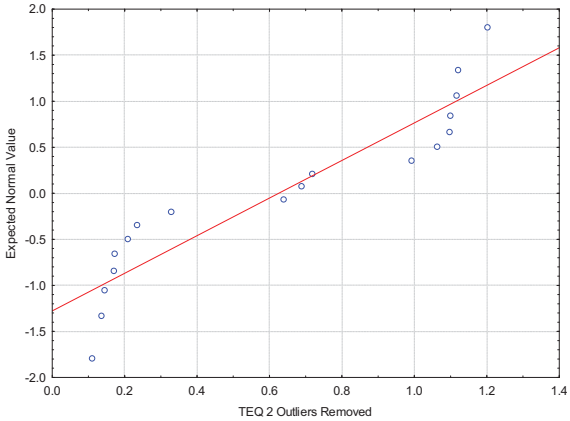

Expected Normal Value
OCDF Outlier Removed


Expected Normal Value
OCDF 2 Outliers Removed

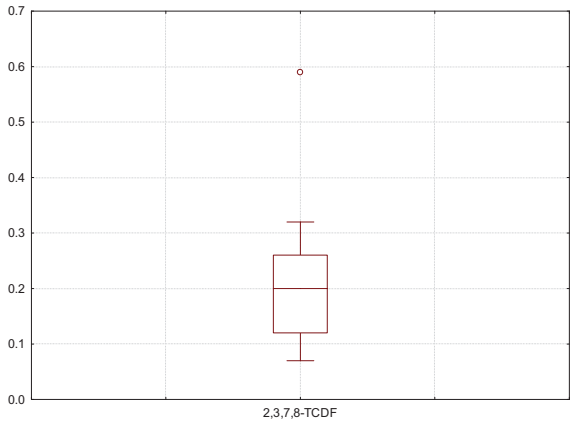

Expected Normal Value
OCDD

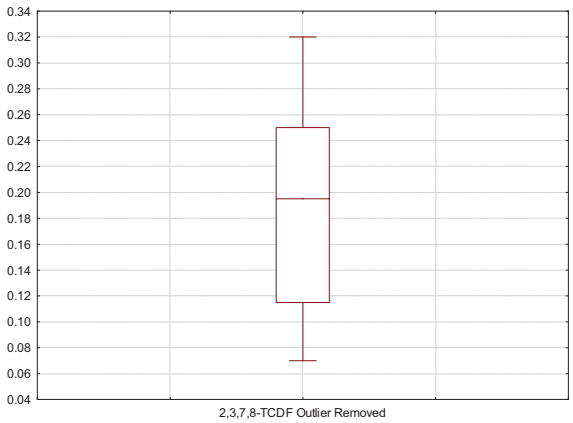

Expected Normal Value
OCDD 2 Outliers Removed

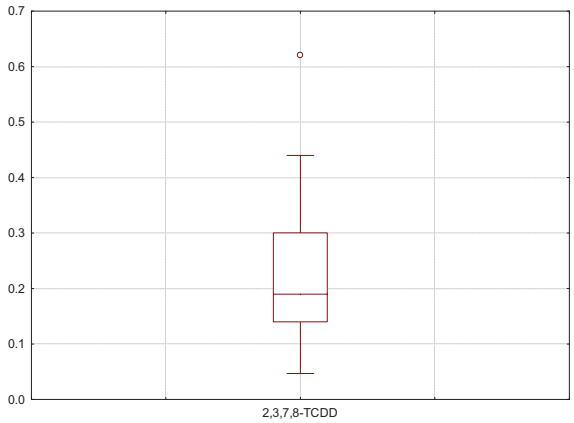

Expected Normal Value
TEQ
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.5
1.0
1.5
2.0
2.5
3.0

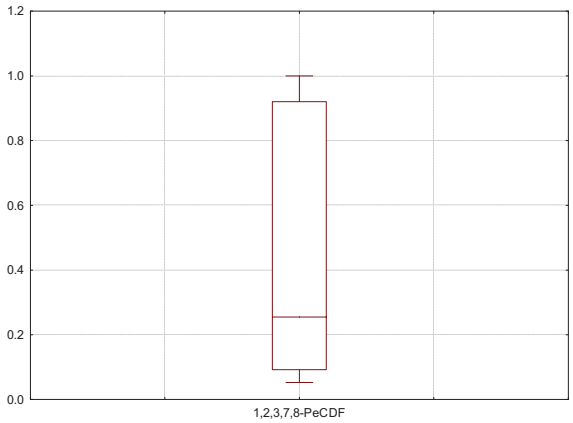

Expected Normal Value
TEQ 2 Outliers Removed
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4

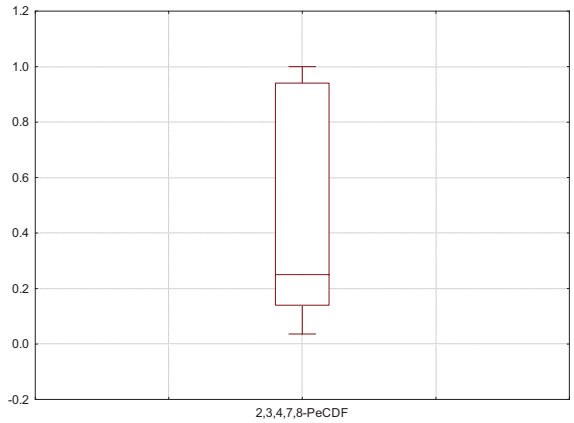
Rural Open Spaces Plots

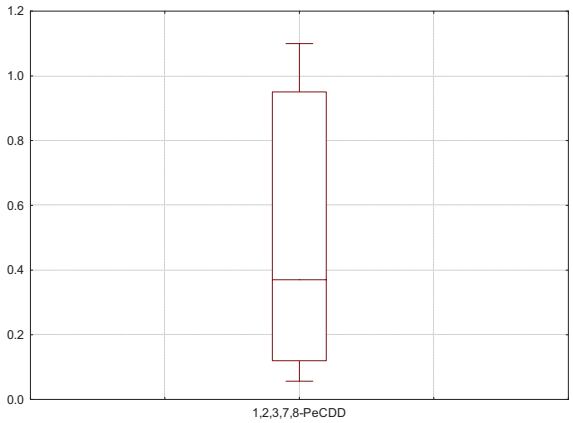

0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2,3,7,8-TCDF

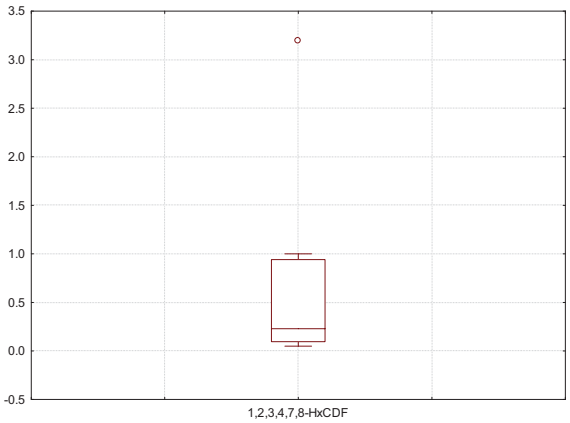

0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
2,3,7,8-TCDF Outlier Removed

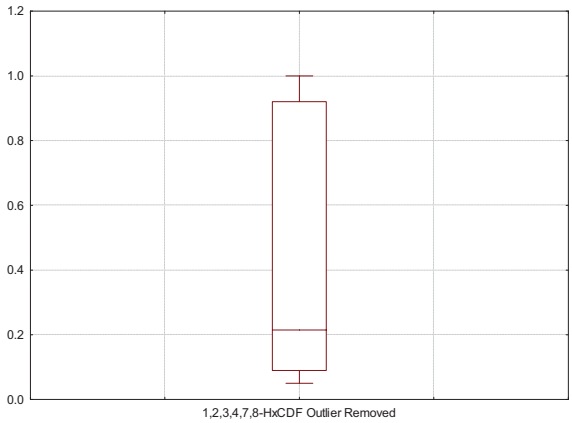

0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2,3,7,8-TCDD

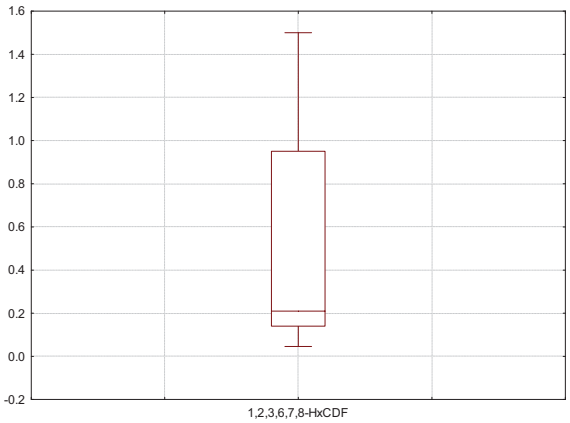

1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,7,8-PeCDF

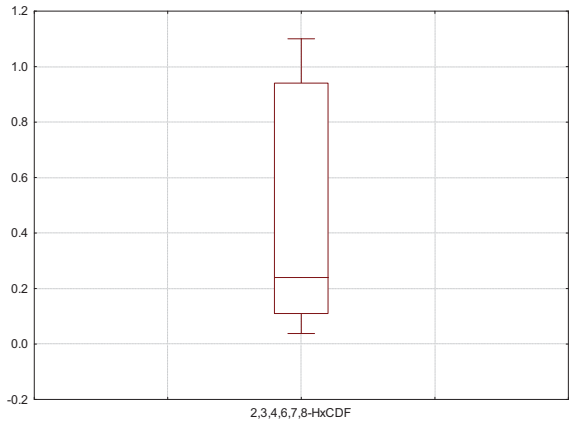

1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
2,3,4,7,8-PeCDF

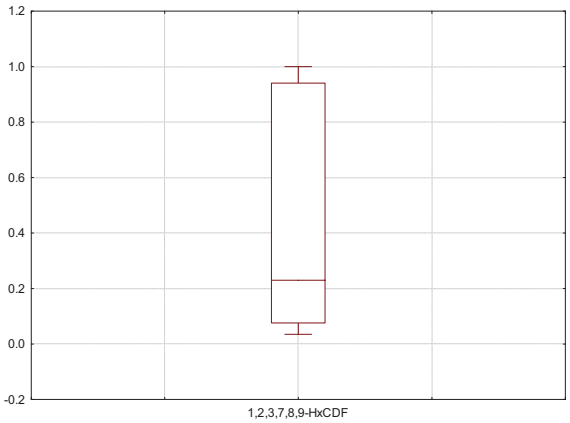

1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,7,8-PeCDD

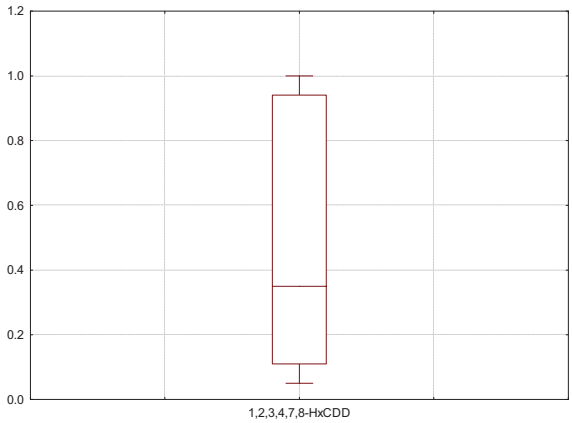

3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
1,2,3,4,7,8-HxCDF

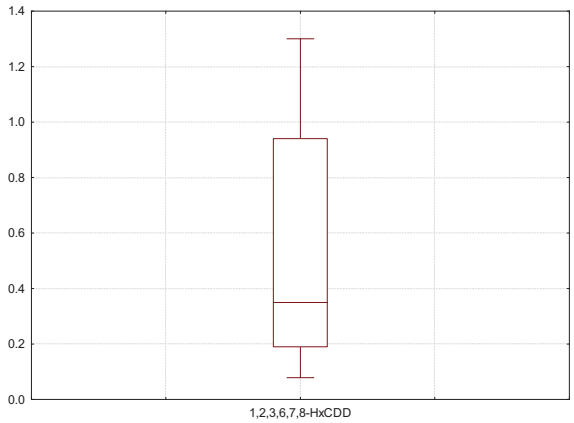

1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8-HxCDF Outlier Removed

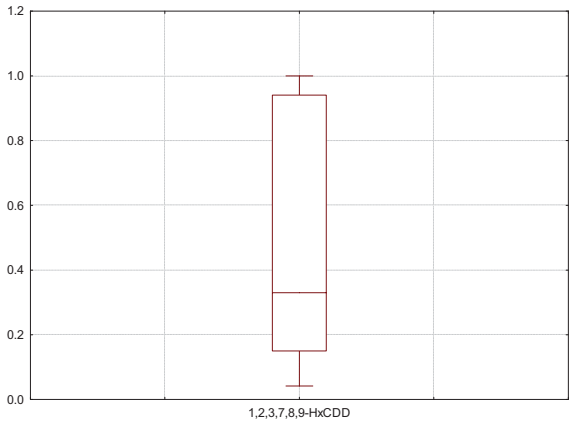

1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
1,2,3,6,7,8-HxCDF

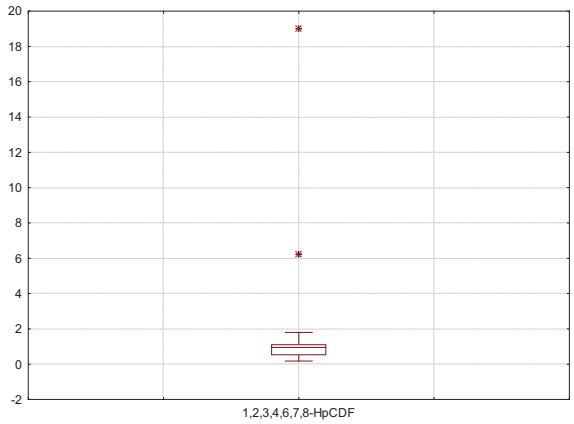

1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
2,3,4,6,7,8-HxCDF

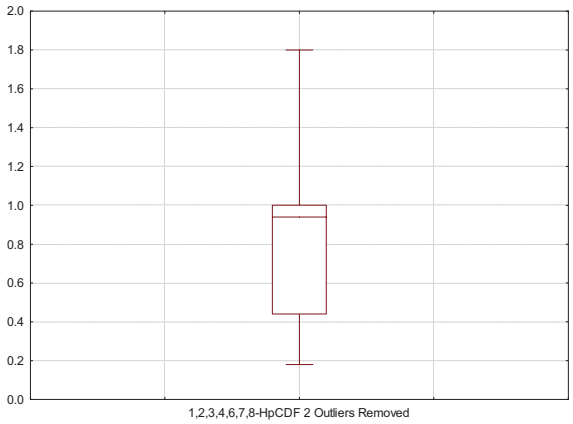

1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
1,2,3,7,8,9-HxCDF

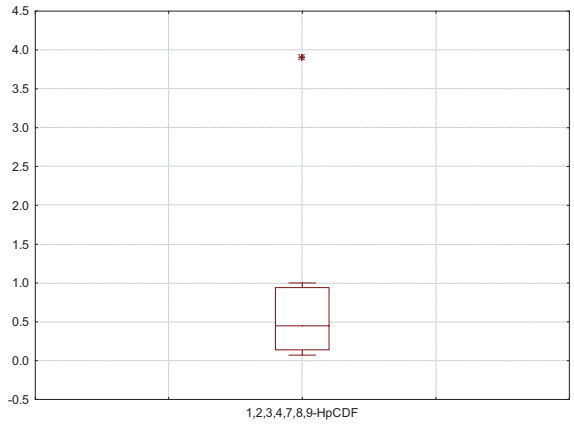

1.2
1.0
0.8
0.6
0.4
0.2
0.0
1,2,3,4,7,8-HxCDD

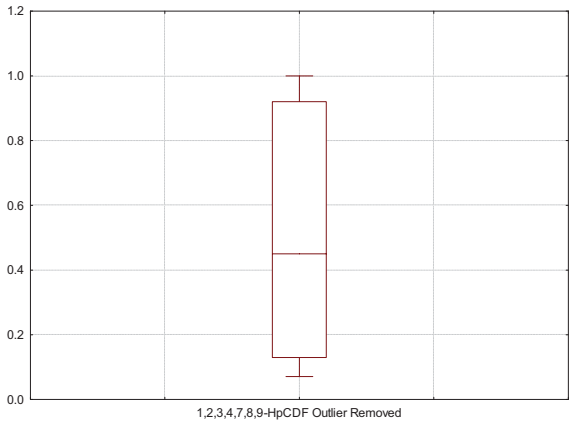

1,2,3,6,7,8-HxCDD

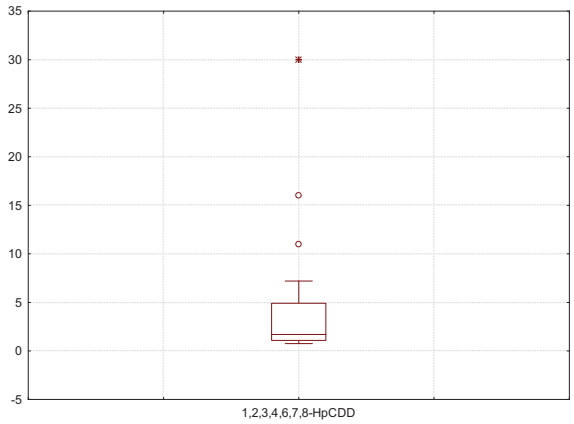

1,2,3,7,8,9-HxCDD

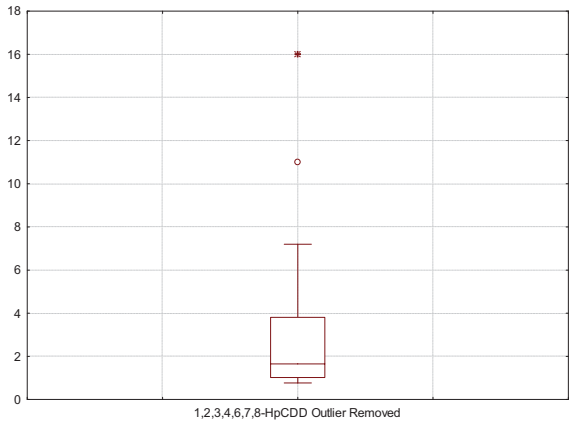

1,2,3,4,6,7,8-HpCDF

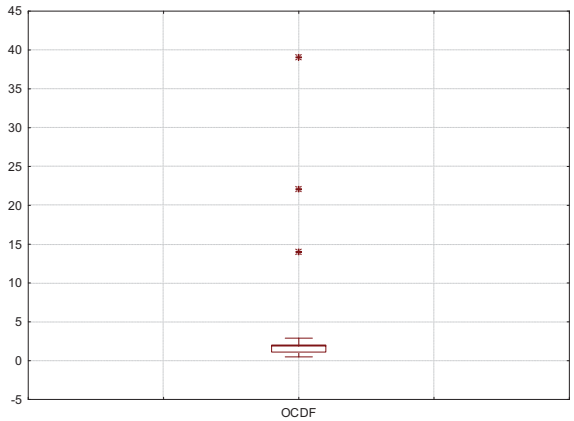

1,2,3,4,6,7,8-HpCDF 2 Outliers Removed

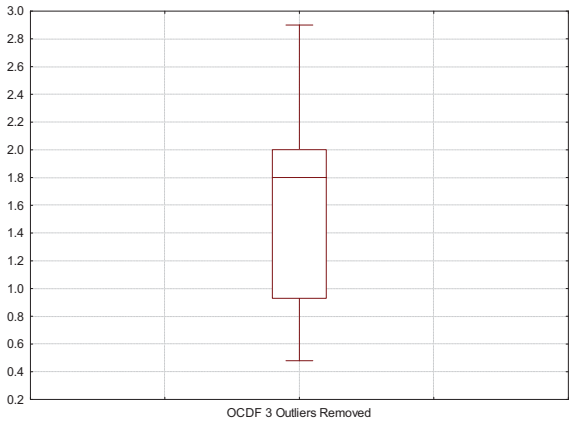

1,2,3,4,7,8,9-HpCDF

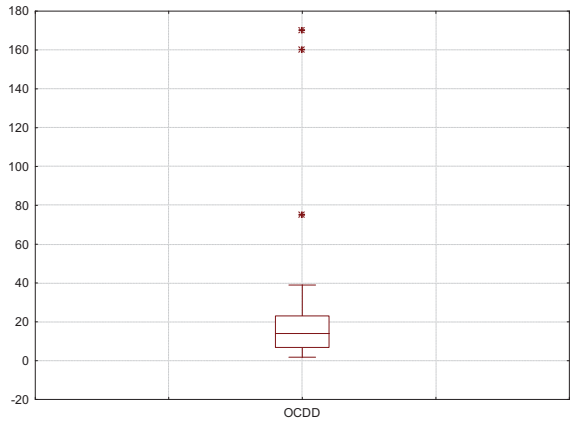

1,2,3,4,7,8,9-HpCDF Outlier Removed

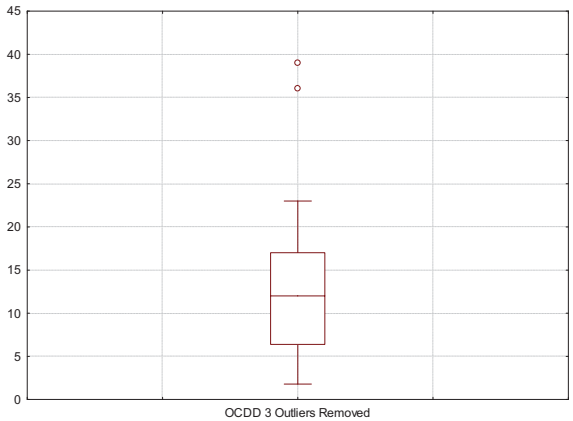

35
30
25
20
15
10
5
0
-5
1,2,3,4,6,7,8-HpCDD

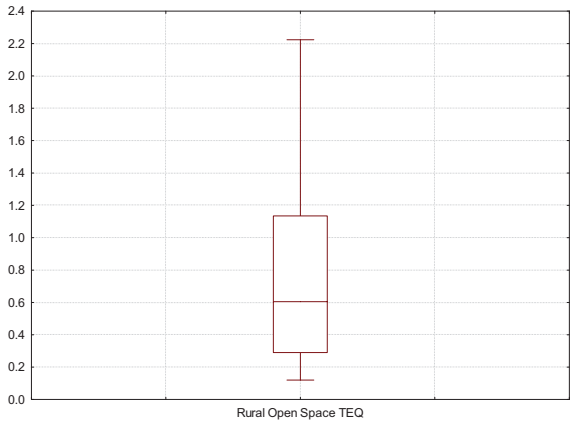

18
16
14
12
10
8
6
4
2
0
1,2,3,4,6,7,8-HpCDD Outlier Removed

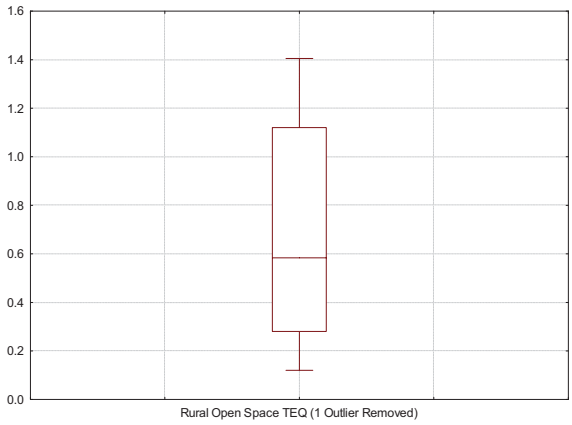

45
40
35
30
25
20
15
10
5
0
-5
OCDF

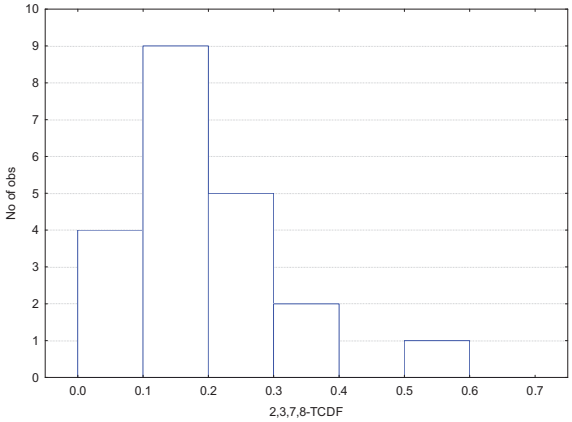

3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
OCDF 3 Outliers Removed

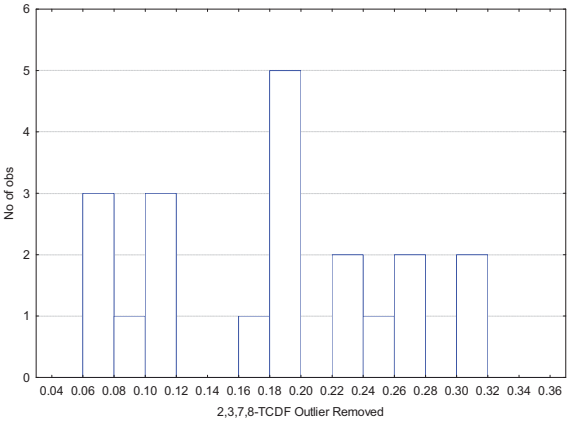

180
160
140
120
100
80
60
40
20
0
-20
OCDD

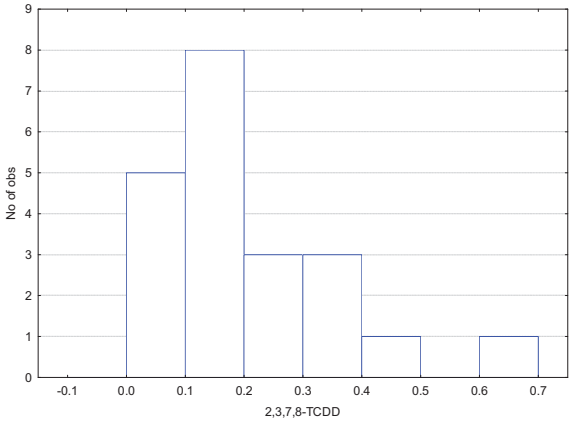

45
40
35
30
25
20
15
10
5
0
OCDD 3 Outliers Removed

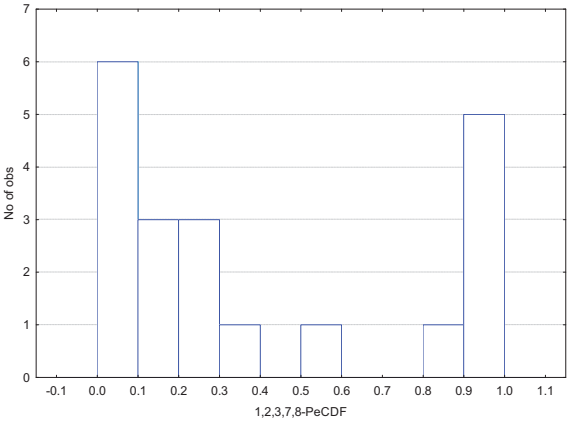

2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Rural Open Space TEQ

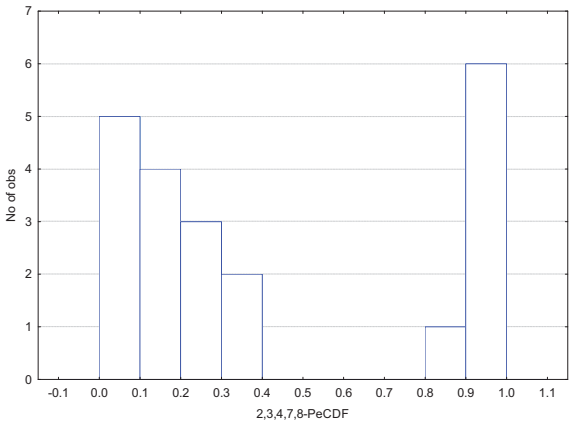

1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Rural Open Space TEQ (1 Outlier Removed)

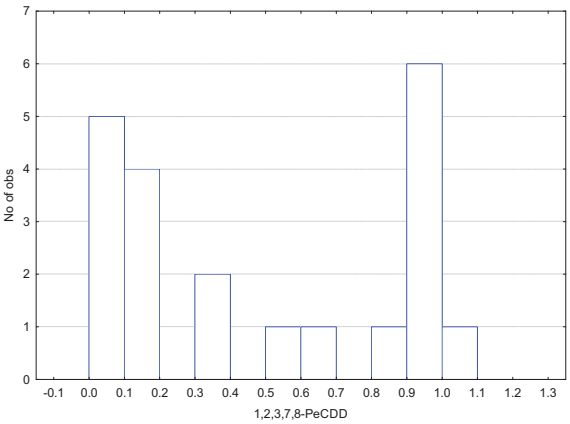

No of obs
2,3,7,8-TCDF

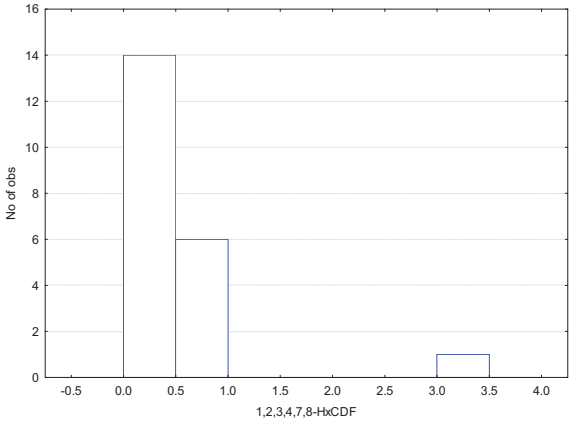

No of obs
2,3,7,8-TCDF Outlier Removed

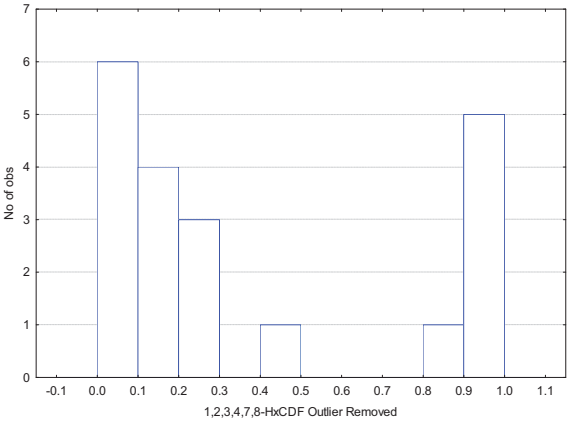

No of obs
2,3,7,8-TCDD

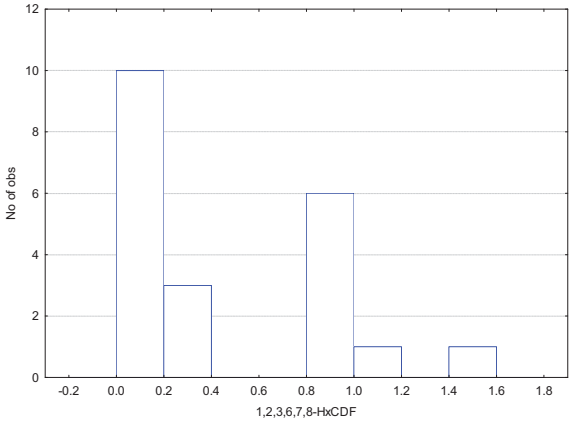

No of obs
1,2,3,7,8-PeCDF

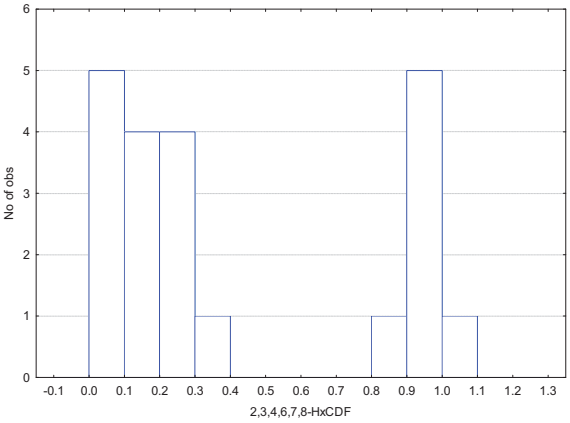

No of obs
2,3,4,7,8-PeCDF

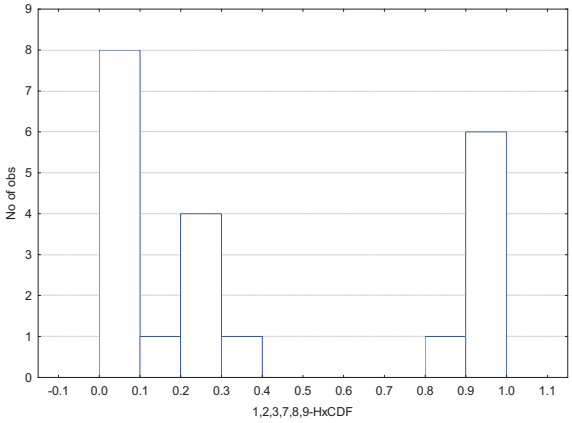

No of obs
1,2,3,7,8-PeCDD

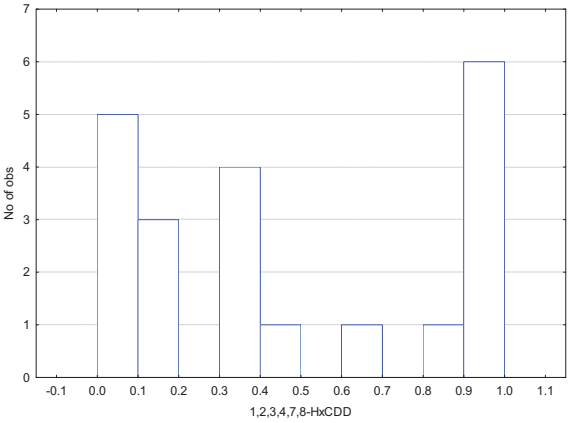

No of obs
1,2,3,4,7,8-HxCDF

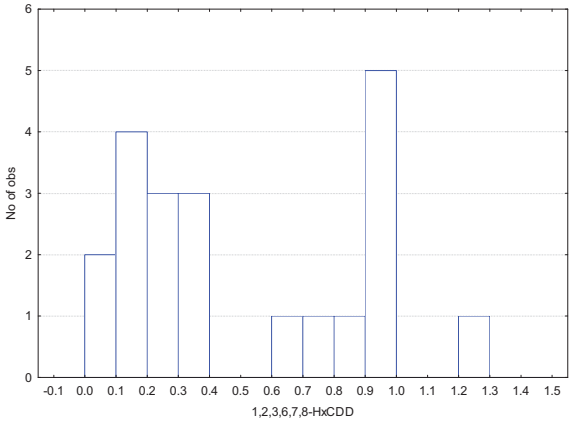

No of obs
1,2,3,4,7,8-HxCDF Outlier Removed

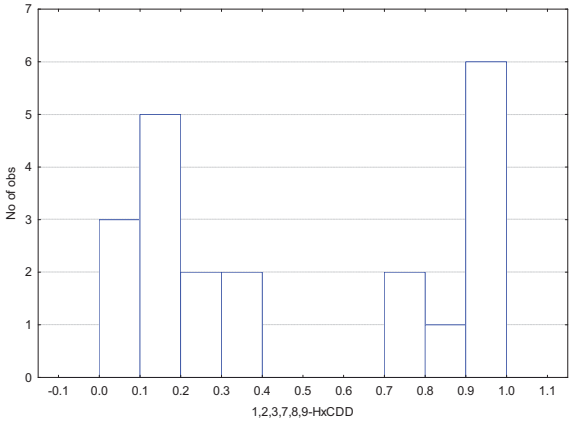

No of obs
1,2,3,6,7,8-HxCDF

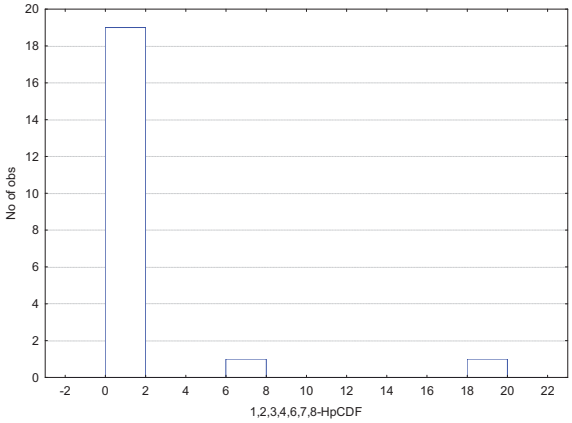

No of obs
2,3,4,6,7,8-HxCDF

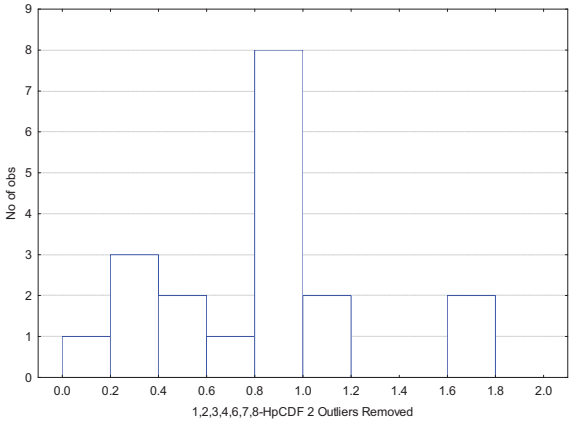

No of obs
1,2,3,7,8,9-HxCDF

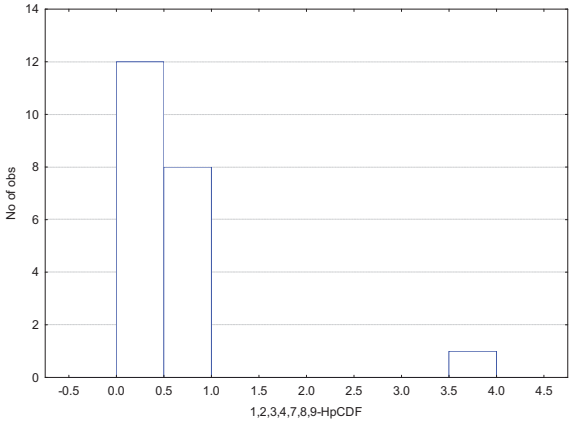

No of obs
1,2,3,4,7,8-HxCDD

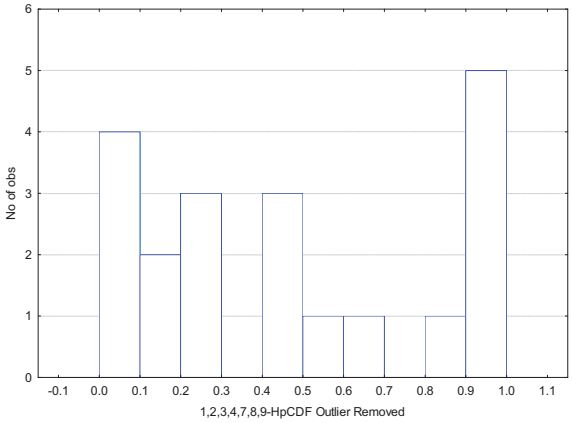

No of obs
1,2,3,6,7,8-HxCDD

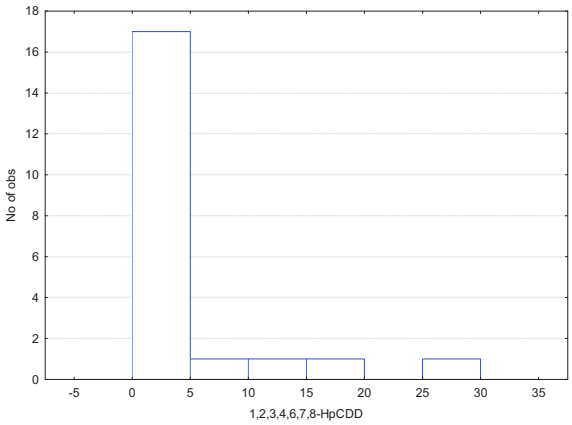

No of obs
1,2,3,7,8,9-HxCDD

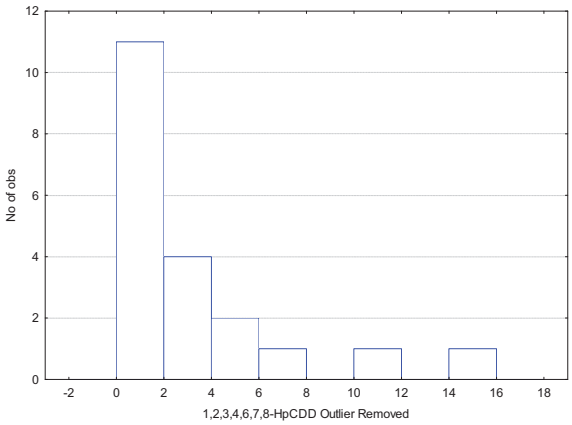

No of obs
1,2,3,4,6,7,8-HpCDF

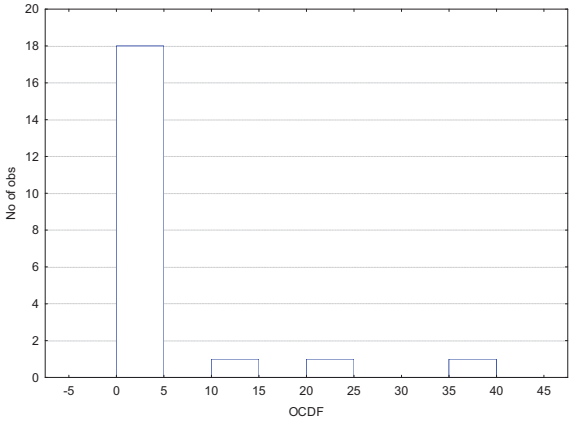

No of obs
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed

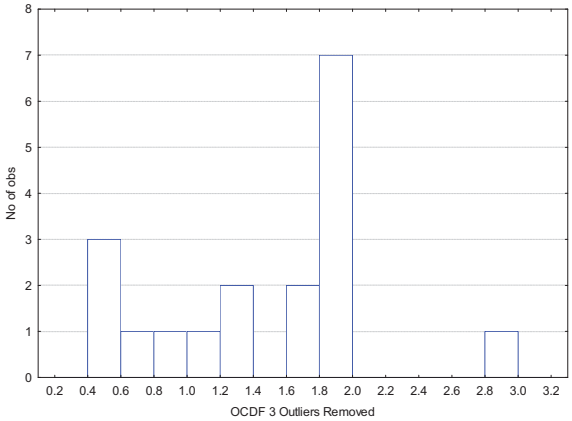

No of obs
1,2,3,4,7,8,9-HpCDF

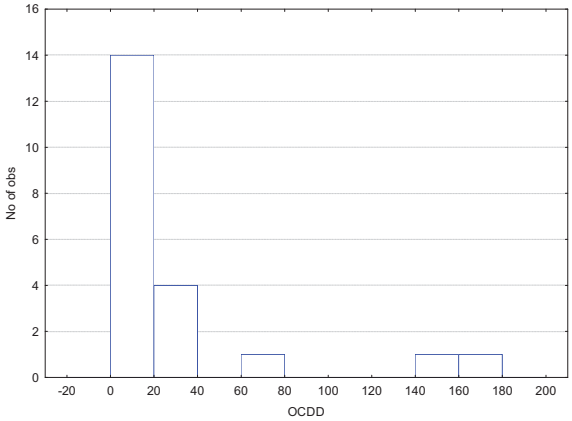

No of obs
1,2,3,4,7,8,9-HpCDF Outlier Removed

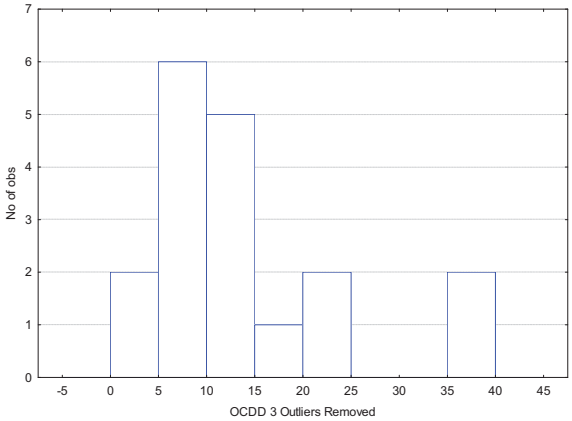

No of obs
1,2,3,4,6,7,8-HpCDD

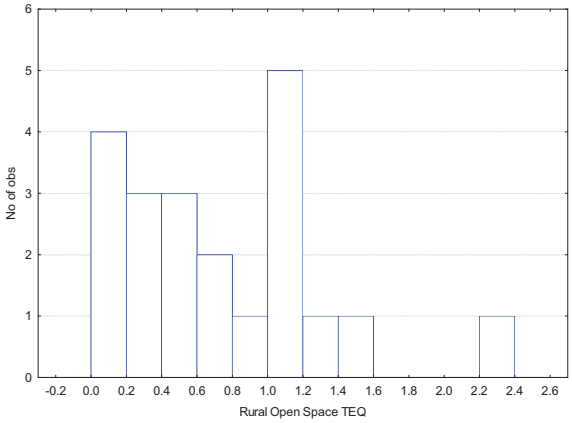

No of obs
1,2,3,4,6,7,8-HpCDD Outlier Removed

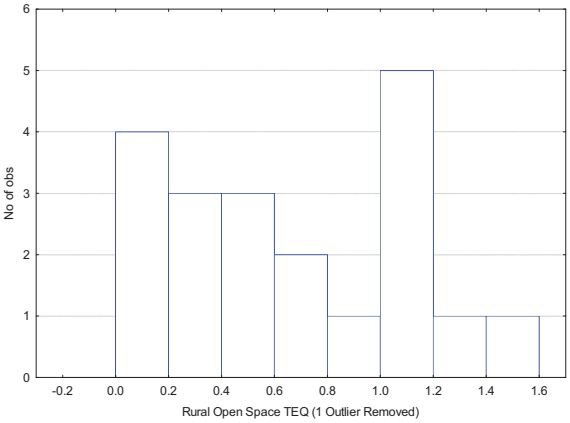

No of obs
OCDF

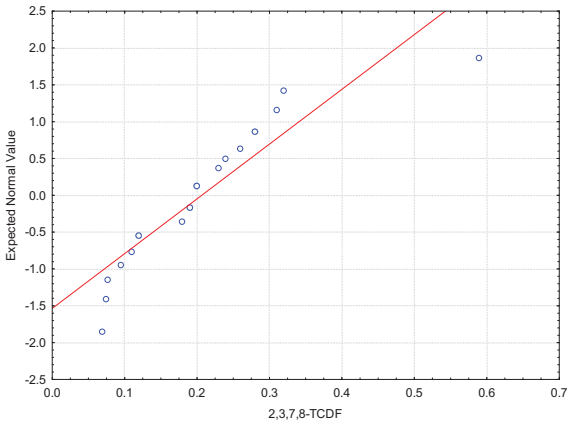

No of obs
OCDF 3 Outliers Removed

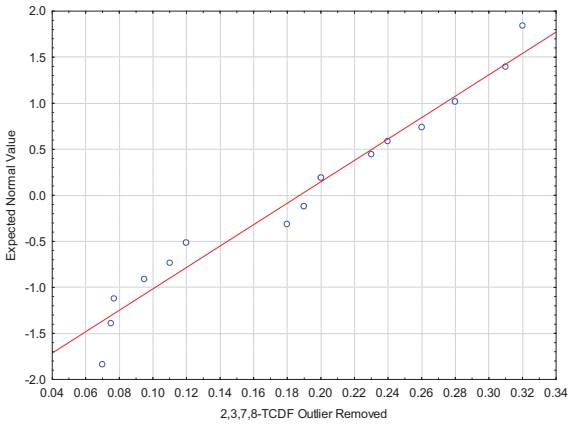

No of obs
OCDD

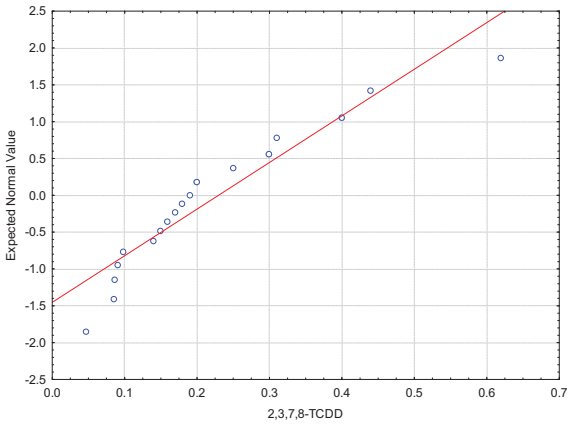

No of obs
OCDD 3 Outliers Removed

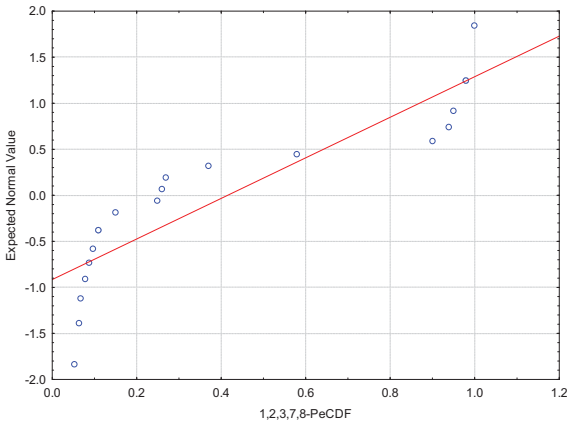

No of obs
0
1
2
3
4
5
6
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
Rural Open Space TEQ

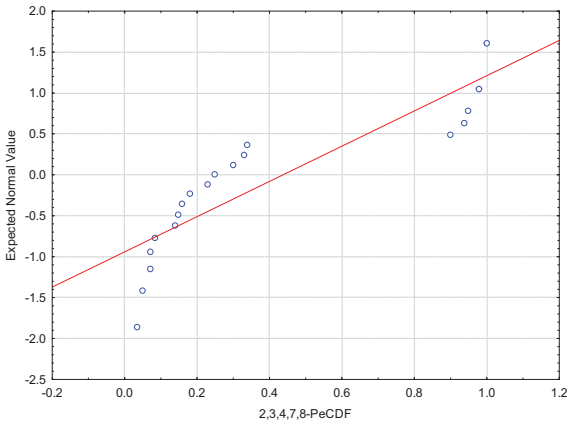

No of obs
0
1
2
3
4
5
6
-0.2
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
Rural Open Space TEQ (1 Outlier Removed)

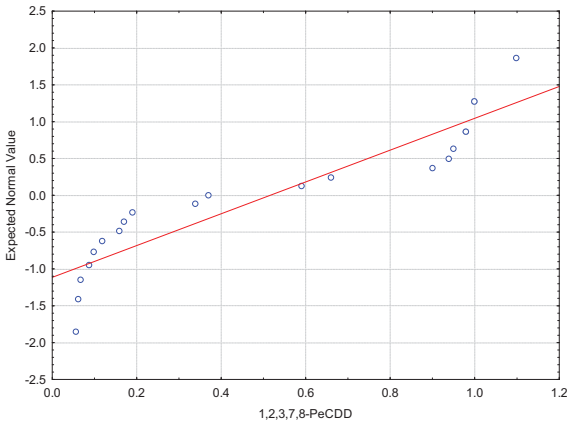

Expected Normal Value
2,3,7,8-TCDF

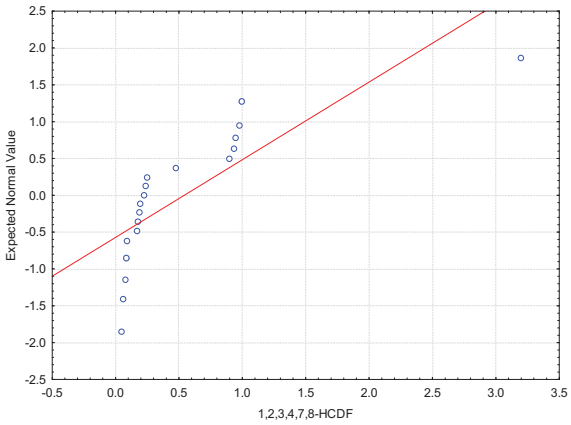

Expected Normal Value
2,3,7,8-TCDF Outlier Removed

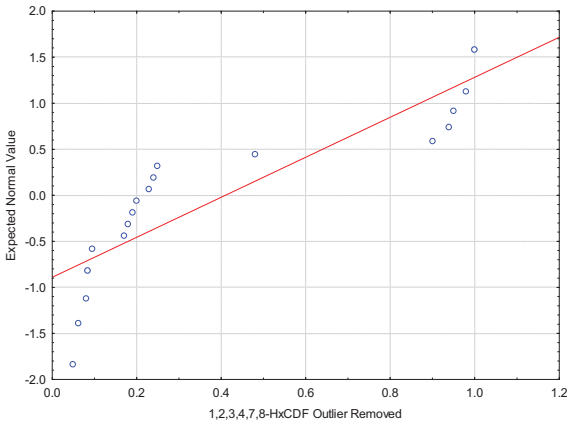

Expected Normal Value
2,3,7,8-TCDD

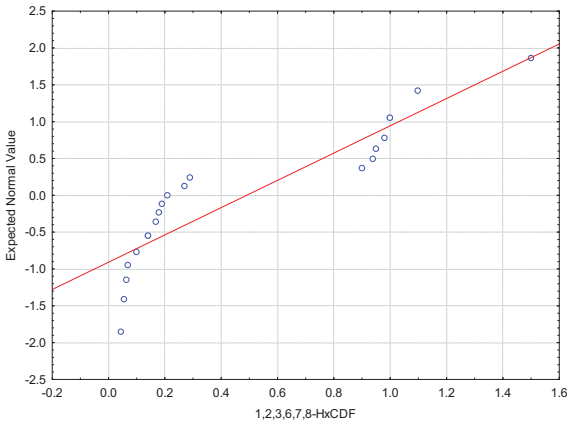

Expected Normal Value
1,2,3,7,8-PeCDF

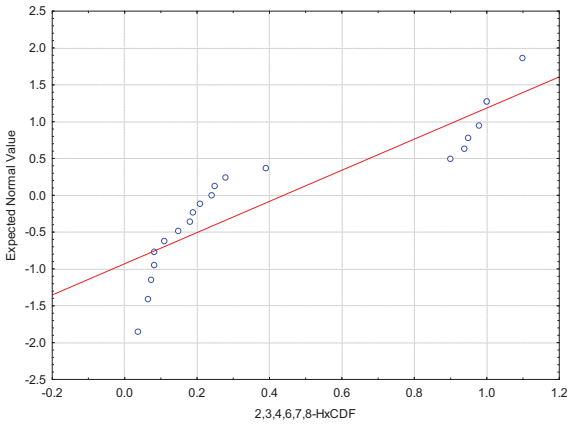

Expected Normal Value
2,3,4,7,8-PeCDF

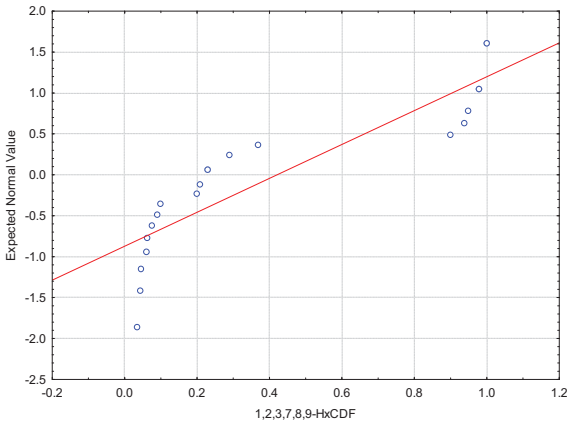

Expected Normal Value
1,2,3,7,8-PeCDD

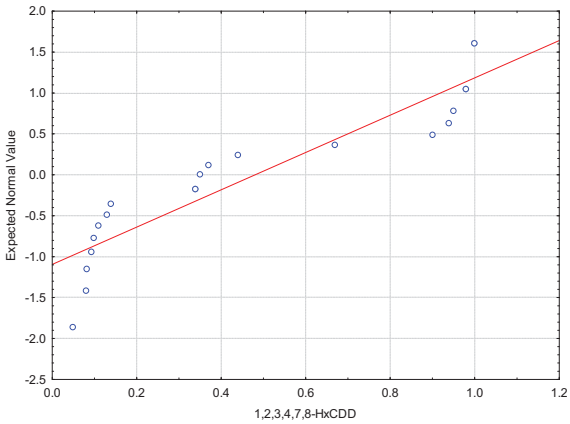

Expected Normal Value
1,2,3,4,7,8-HCDF

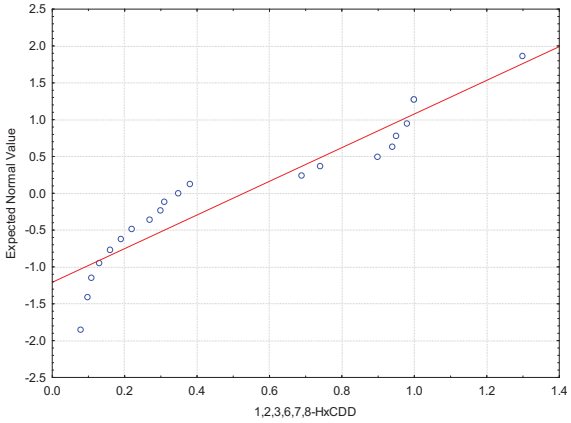

Expected Normal Value
1,2,3,4,7,8-HxCDF Outlier Removed

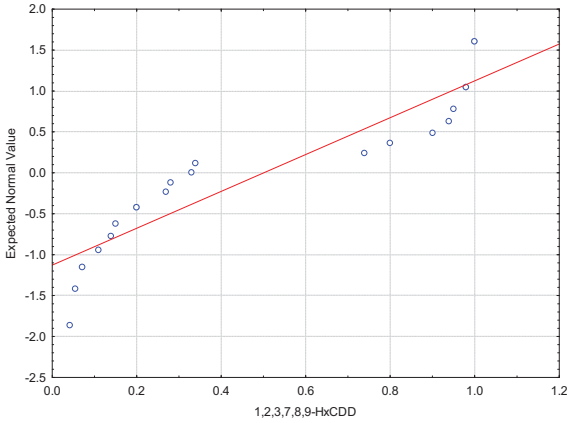

Expected Normal Value
1,2,3,6,7,8-HxCDF

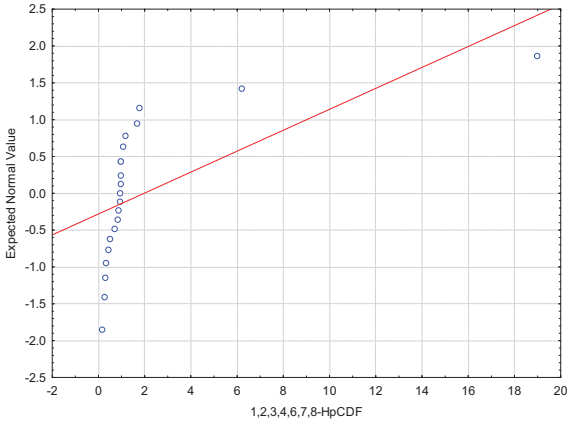

Expected Normal Value
2,3,4,6,7,8-HxCDF

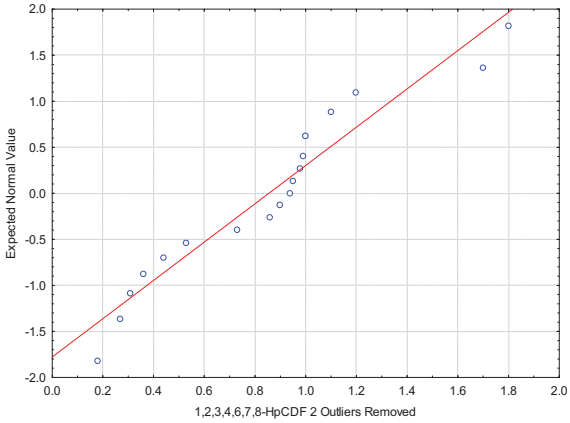

Expected Normal Value
1,2,3,7,8,9-HxCDF

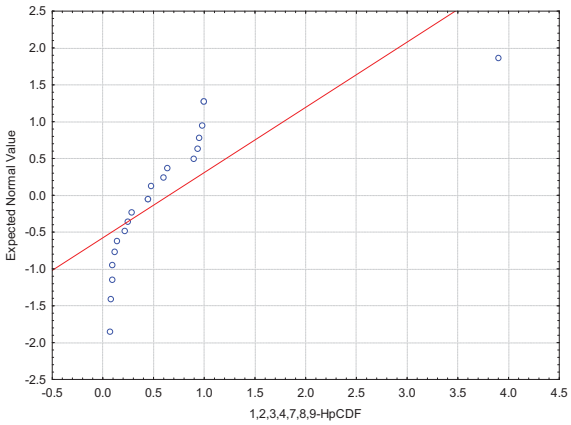

Expected Normal Value
1,2,3,4,7,8-HxCDD

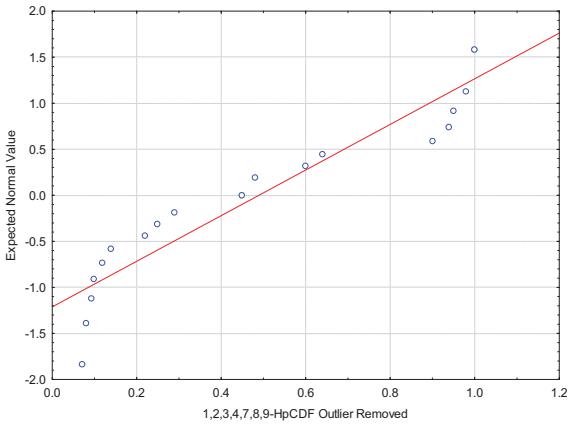

Expected Normal Value
1,2,3,6,7,8-HxCDD

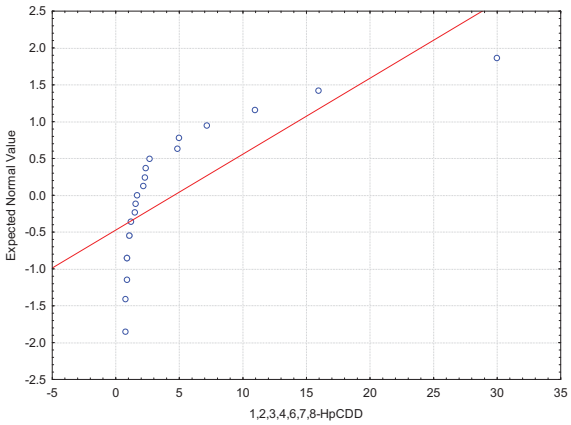

Expected Normal Value
1,2,3,7,8,9-HxCDD

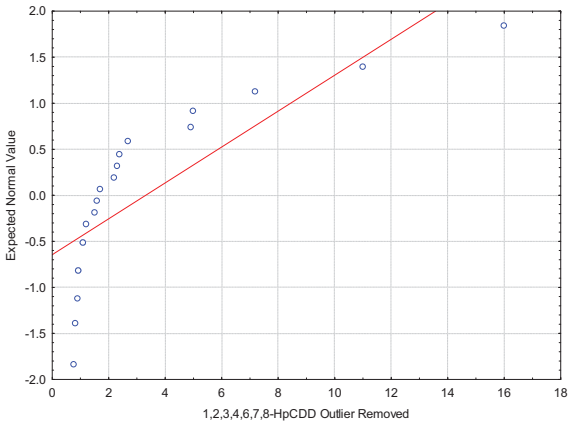

Expected Normal Value
1,2,3,4,6,7,8-HpCDF

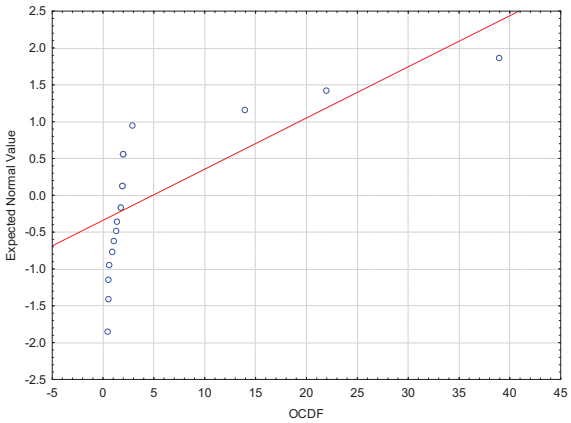

Expected Normal Value
1,2,3,4,6,7,8-HpCDF 2 Outliers Removed

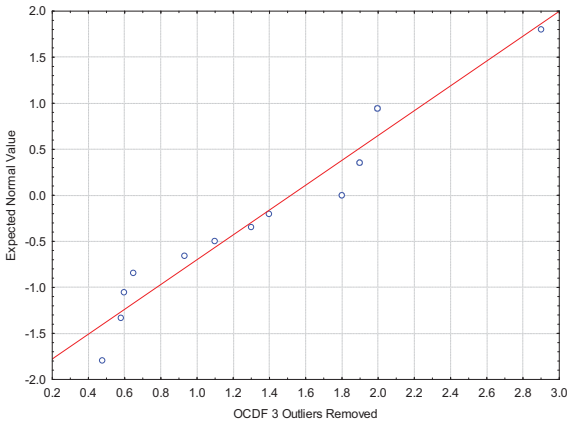

Expected Normal Value
1,2,3,4,7,8,9-HpCDF

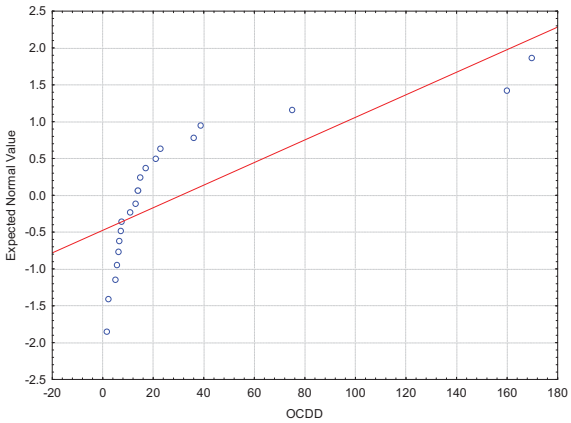

Expected Normal Value
1,2,3,4,7,8,9-HpCDF Outlier Removed

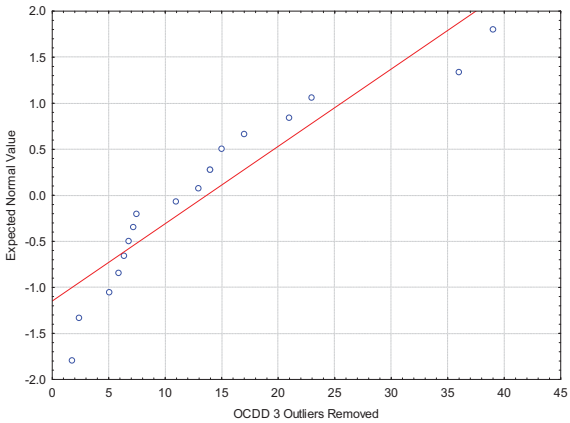

Expected Normal Value
1,2,3,4,6,7,8-HpCDD

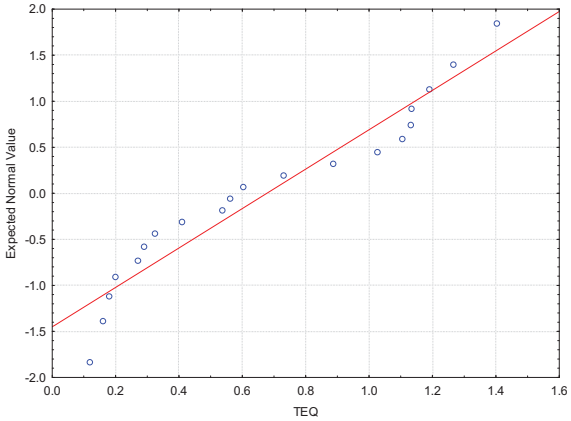

Expected Normal Value
1,2,3,4,6,7,8-HpCDD Outlier Removed

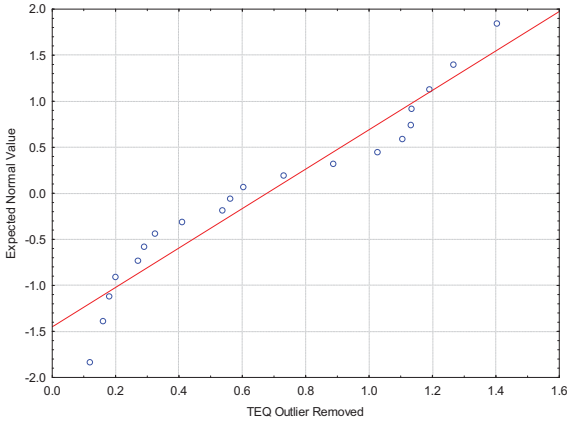

Expected Normal Value
OCDF


Expected Normal Value
OCDF 3 Outliers Removed


Expected Normal Value
OCDD


Expected Normal Value
OCDD 3 Outliers Removed


Expected Normal Value
TEQ
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6


Expected Normal Value
TEQ Outlier Removed
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6