

# Test Group Summary Report

## C71 Pesticides in Cannabis

### March 2026 PT Round

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**Issued: May 8, 2026**

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## 1.0 The Proficiency Testing Report

The Proficiency Testing Report consists of two parts.

- *PTC Proficiency Testing Report*: This report contains participant-specific data and other confidential information. This report is emailed to participants at the end of the PT round.
- *Test Group Summary Report*: A Test Group Summary Report is created for each quantified test group at the end of the PT round. These reports contain more detailed information on the round than is found in the participant-specific PTC Proficiency Testing Report. These reports do not contain any confidential information and are made available on the PTC web site.

## 2.0 Definitions

The participant-specific PTC Proficiency Testing Report contains some terms that new participants may not be familiar with.

<i>Code</i> :	The registration code that is unique to each analyte that a participant is registered for.
<i>App</i> :	If a participant is accredited by CALA, this three-digit number is the appendix number that the accredited method is assigned to.
<i>N</i> :	The number of participants results that were used to calculate the summary statistics. This excludes qualified data (e.g., <) and any results that were flagged as outliers.
<i>Assigned</i> :	The Assigned Value is the robust mean of the reported results, outliers excluded. This is often referred to as the “target” value.
<i>±u</i> :	The uncertainty of the assigned value.
<i>Reported</i> :	The result reported by the participant.
<i>s</i> :	The Standard Deviation of Proficiency Assessment (SDPA). This value is used to determine the acceptance limits for the PT evaluation.
<i>z-Score</i> :	A value assigned to each reported result that is a measure of the degree to which it deviates from the Assigned Value.
<i>Score</i> :	The composite score of the four results reported for each analyte. It is normalized to a score out of 100.
<i>Bias</i> :	A flag assigned if bias is detected using the re-scaled z-score procedure.

## 3.0 Scoring System

Participant performance is evaluated for each proficiency testing sample by a quantitative method that is consistent with ISO/IEC 17043 – *Conformity assessment- General requirements for the competence of proficiency testing providers*, the *International Harmonized Protocol for Proficiency Testing of (Chemical) Analytical Laboratories* (2006), and ISO 13528:2015 *Statistical methods for use in proficiency testing by interlaboratory comparisons*.

The following is a brief description of the evaluation procedure used by PTC. The detailed evaluation procedure is described in PROC09 – PT Evaluation *Procedure*, which is available on the PTC website ([www.PTCCanada.org](http://www.PTCCanada.org)).

### 3.1 HOMOGENEITY AND STABILITY ASSESSMENT

Homogeneity and stability are assessed using participant data. Regression analysis is performed on reported result against order of sample production (Homogeneity) and reported result against date of analysis (Stability). If the slope is significantly different than zero for either then the Standard Deviation of Proficiency Assessment (s) is increased to minimize the impact.

### 3.2 THE Z SCORE

A "z-score" is calculated for each reported result as follows:

$$z - Score = \frac{(x - \bar{X})}{SDPA} \quad \text{where: } \begin{array}{l} x = \text{participant result;} \\ \bar{X} = \text{the Assigned Value;} \\ SDPA = \text{the Standard Deviation for Proficiency Assessment.} \end{array}$$

The assigned value  $\bar{X}$  is generally estimated from the inter-laboratory Robust mean after outliers due to obvious gross errors (e.g., reported in wrong units) have been removed.

The Standard Deviation for Proficiency Assessment, s, is determined as follows:

- The inter-laboratory Robust standard deviation ( $Stdev_{rob}$ ) is calculated using reported results, obvious outliers removed;
- The regression equation standard deviation ( $Stdev_{reg}$ ) is estimated from regression equations derived from previous studies (see PROC11- *PT Regression Equations* for details);
- The SDPA is the higher of  $Stdev_{rob}$  and  $Stdev_{reg}$ ;
- When a laboratory reports its detection limit, s will be estimated using a pooled variance procedure that uses both the inter-laboratory data and the reported detection limit.

### 3.2 COMPOSITE (PT) SCORE

Since each PT round involves four or two separate samples of distinct concentration for each test, it is necessary to calculate a composite PT score for each test to determine overall performance. The composite score is calculated by first averaging the absolute z-scores for the four results and then calculating a final score as  $100 + (-15 \times \text{avg } |z|)$ .

Acceptable PT Scores equal or exceed 70.

### 3.3 IDENTIFYING BIAS

The proficiency testing report provides flags for bias. These are determined using the re-scaled z-score procedure.

$$RSZ = \frac{\sum z}{\sqrt{N}} \quad \text{where } \begin{array}{l} z = \text{the z- score} \\ N = \text{the number of samples} \end{array}$$

Flags are assigned for each test group/parameter combination as follows:

$$RSZ \geq -2 \text{ and } \leq 2 \text{ no flag assigned}$$

RSZ > 2	H (High)
RSZ > 3	VH (Very High)
RSZ < -2	L (LOW)
RSZ < -3	VL (Very Low)

### 3.4 DEVIATIONS FROM EVALUATION PROCEDURE

Other than changes to the Standard Deviation of Proficiency Assessment due to homogeneity or stability flags, any deviation from the published evaluation procedure is described on the cover page(s) of the final *PTC Proficiency Testing Report*.

## 4.0 PT Round Specific Data Summary

The following pages provide more detailed information about the PT round indicated in the cover page of this report than is found in the participant-specific PTC Proficiency Testing Report. The graphical representations and the statistical summaries are based upon the data after outliers have been removed.

### 4.1 SUMMARY STATISTICS

In addition to some of the statistics found in the customer reports, this table includes additional summary statistics such as Median, different measures of dispersion, the number of outliers removed, the number of results in the Questionable range ( $|z|$  between 2 and 3) and the Unacceptable range ( $z > 3$ ), and whether a data set was flagged for Homogeneity or Stability. This section also includes sorted scatter plots of the data for each sample.

### 4.2 z - SCORE PLOTS

The z-scores for each sample are ranked in increasing order and plotted. When the data is normally distributed, the plot should show a slight sigmoidal curve, with an equal number of points above zero as below. Each bar in these plots is colour-coded to indicate the analytical method used by the participant.

### 4.3 KERNEL DENSITY PLOTS

Kernel density plots are generated for each data set. These plots are a graphical way to represent the overall data distribution and are used to visualize possible deviations from normality and unimodality.

### 4.4 STABILITY AND HOMOGENEITY PLOTS

Plots of reported result against analysis date, and reported result against order of bottling are displayed, along with the regression line. These regression analyses are used to determine if the SDPA should be adjusted due to homogeneity or stability.

### 4.5 BOX-AND-WHISKER PLOTS

Box-and-Whisker plots are another way to display the distribution of the data. The box denotes the first and third quartile and the whiskers are the 5<sup>th</sup> and 95<sup>th</sup> percentile.

### 4.6 HISTORIC COMPARISON PLOT

The Historic Comparison Plot is a plot of robust mean against robust standard deviation for the previous ten PT rounds as well as the current PT round. This plot can be used to identify possible changes in the sample formulation.

## Acephate

### Summary Statistics

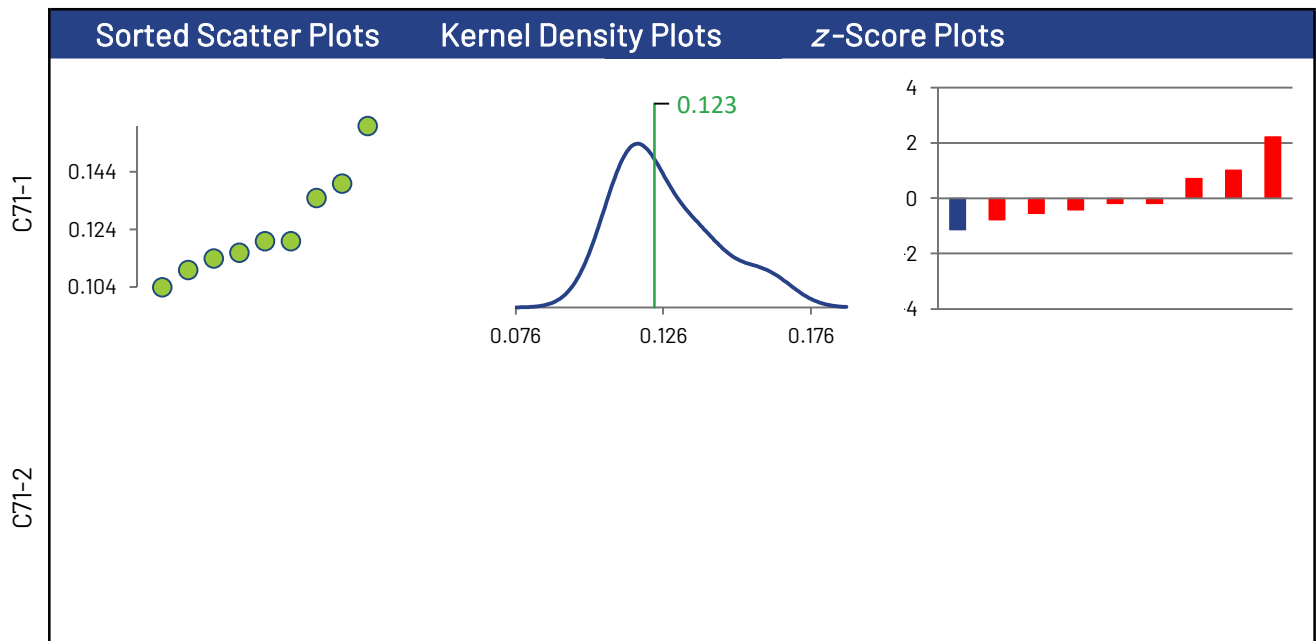
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.120			
Robust Mean µg/g	0.123			
Uncertainty of the Assigned Value µg/g	0.00696			
Robust Standard Deviation µg/g	0.0167			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.0167			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	1	0	0	0
Failure Rate %*	11.1			

### Methods Used

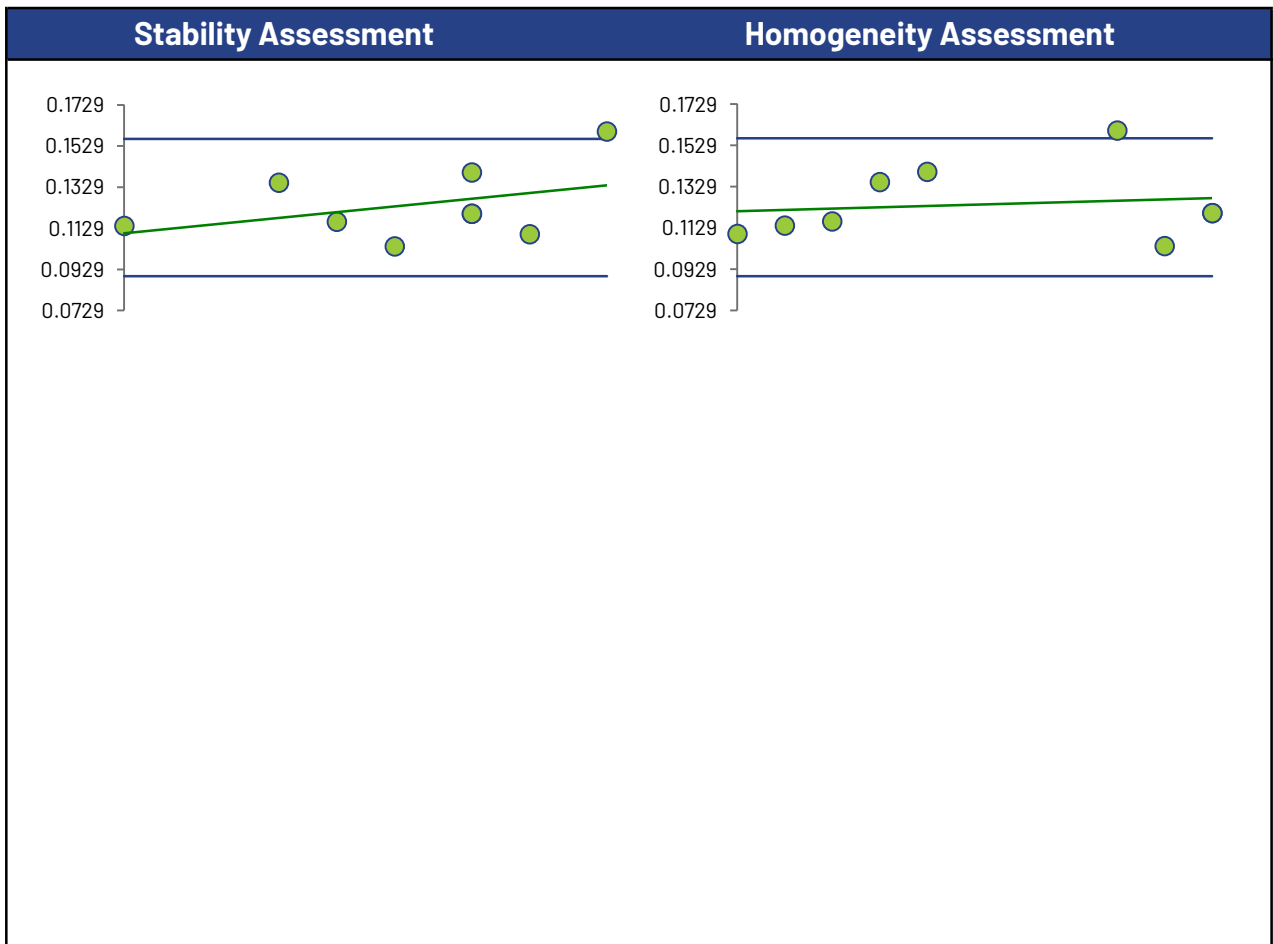
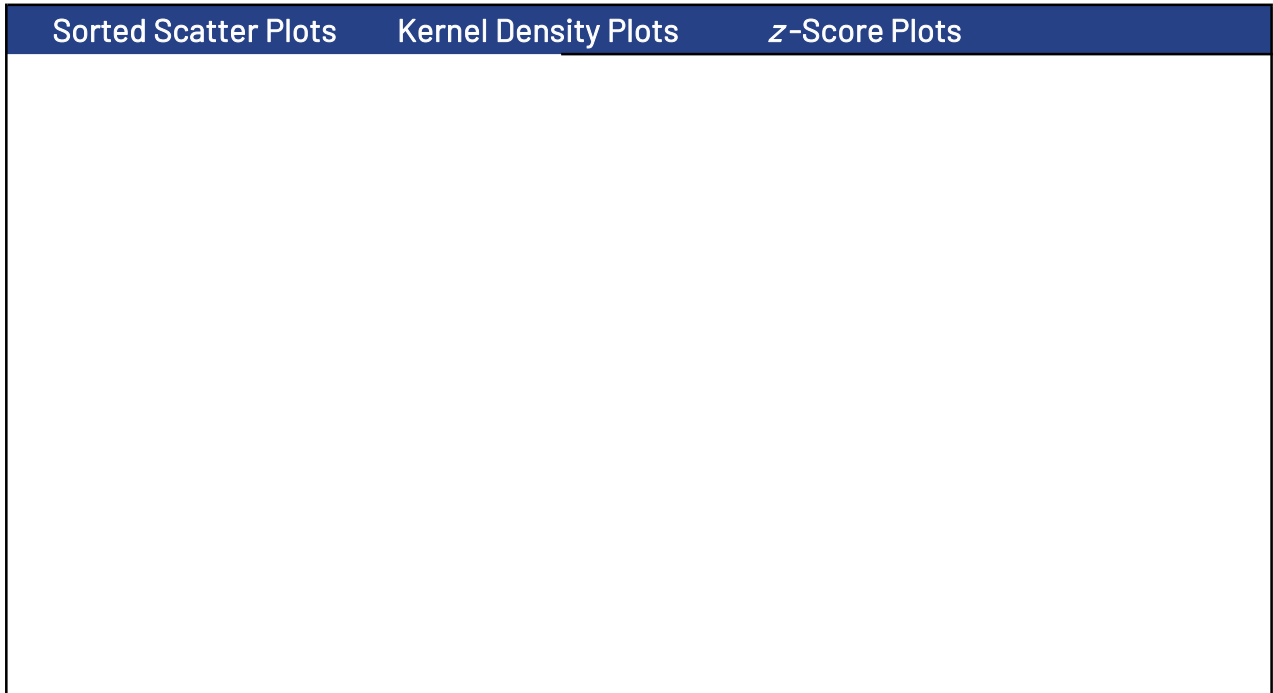
Method	C71-1	C71-2	C71-3	C71-4
LC/MS (Blue)	1	0	0	0
LC-MS/MS (Red)	8	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

## Acephate





### Aldicarb

#### Summary Statistics

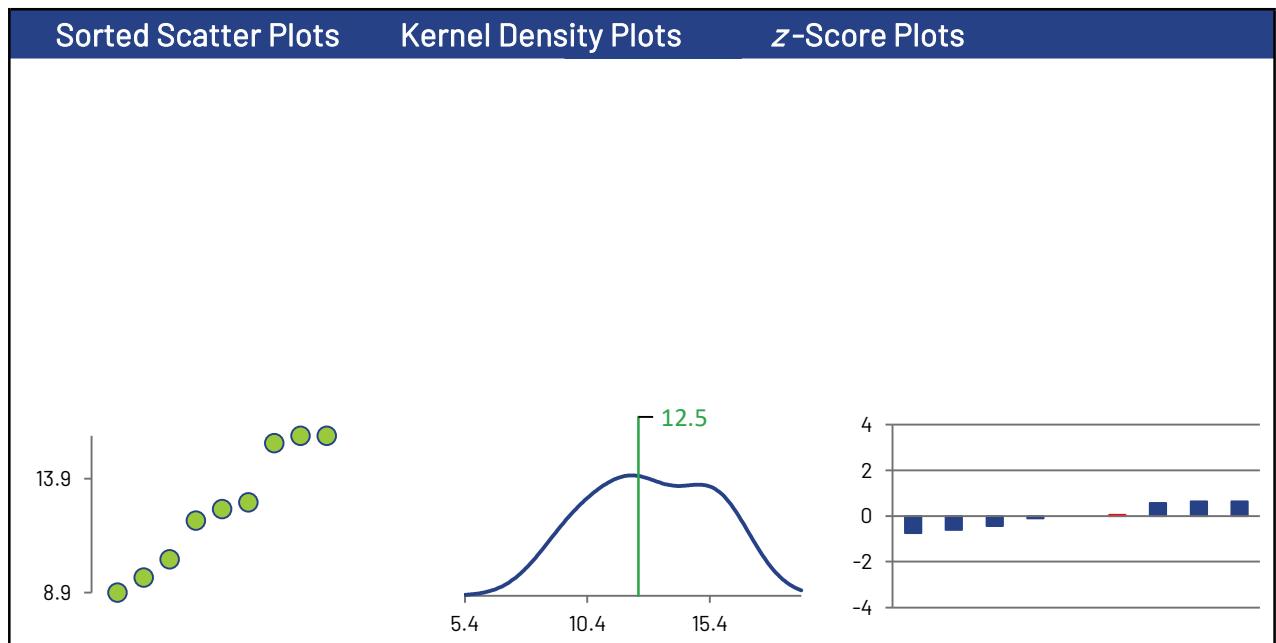
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		12.5		
Robust Mean µg/g		12.5		
Uncertainty of the Assigned Value µg/g		1.26		
Robust Standard Deviation µg/g		3.02		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag		<b>Homogeneity</b>		
Standard Deviation Used (SDPA) µg/g		4.96		
Flagged Outliers	1	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

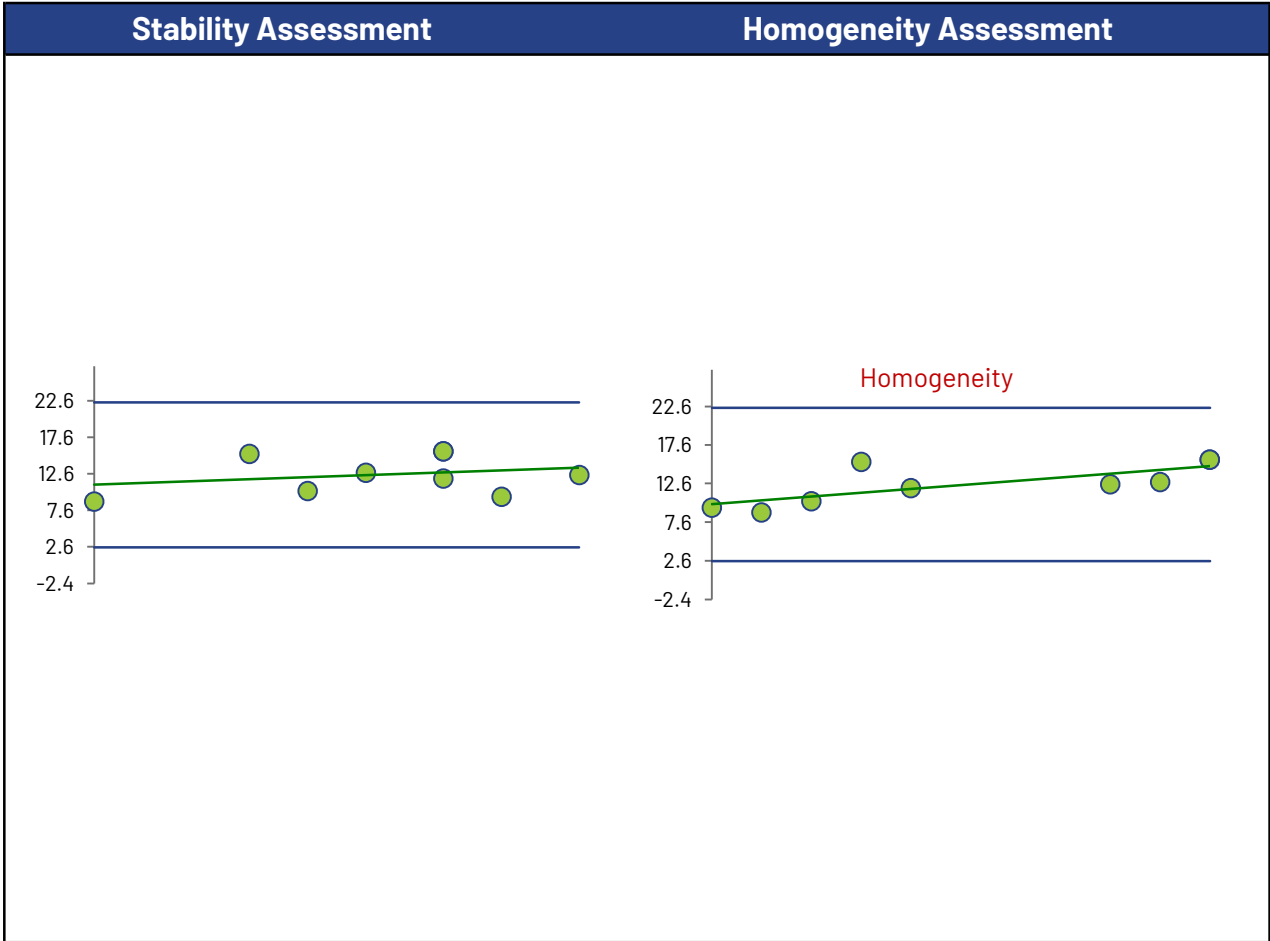
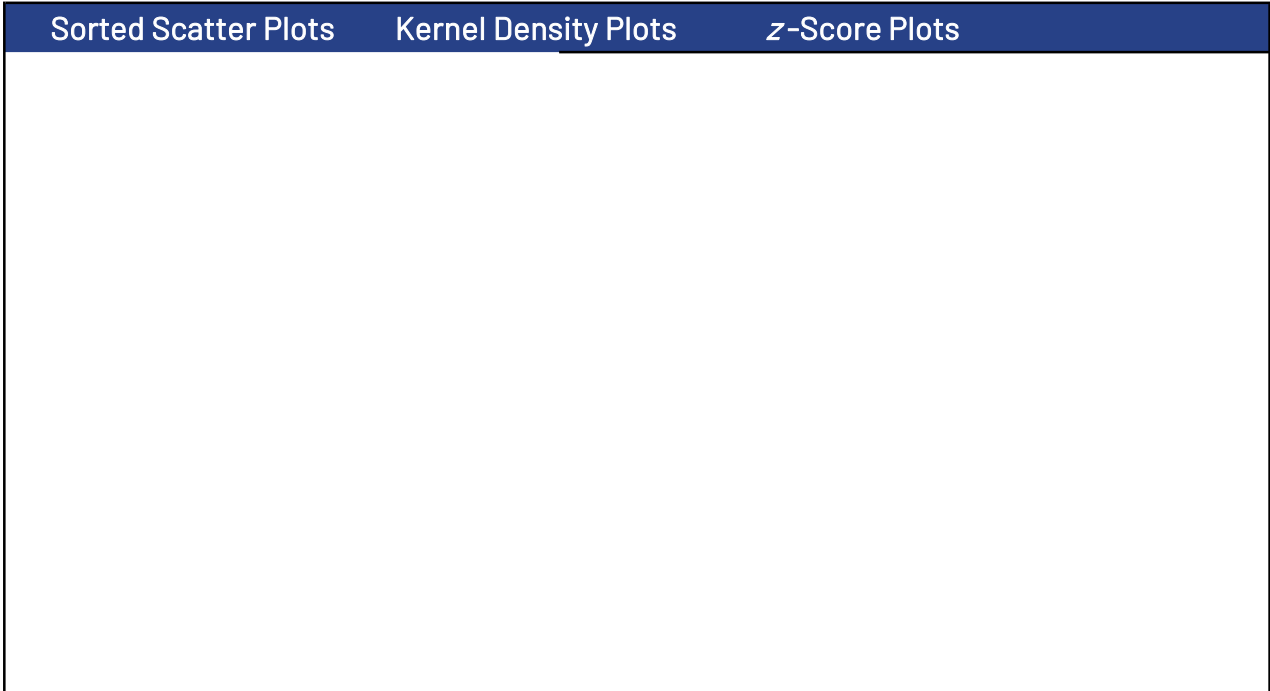
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



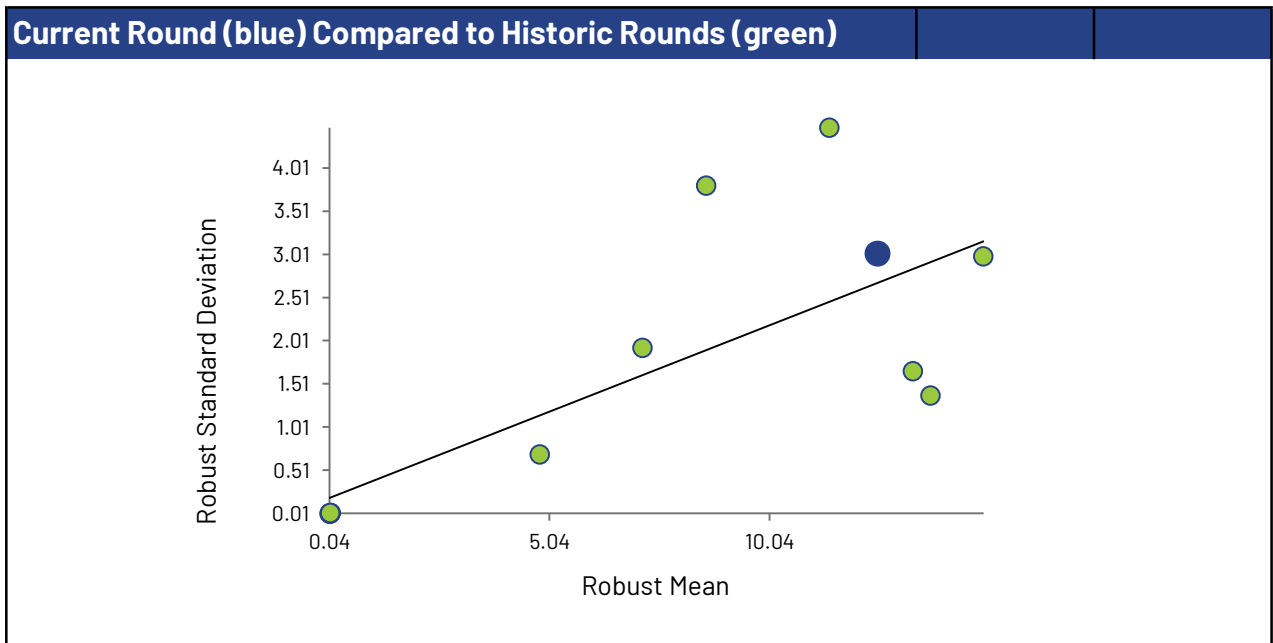
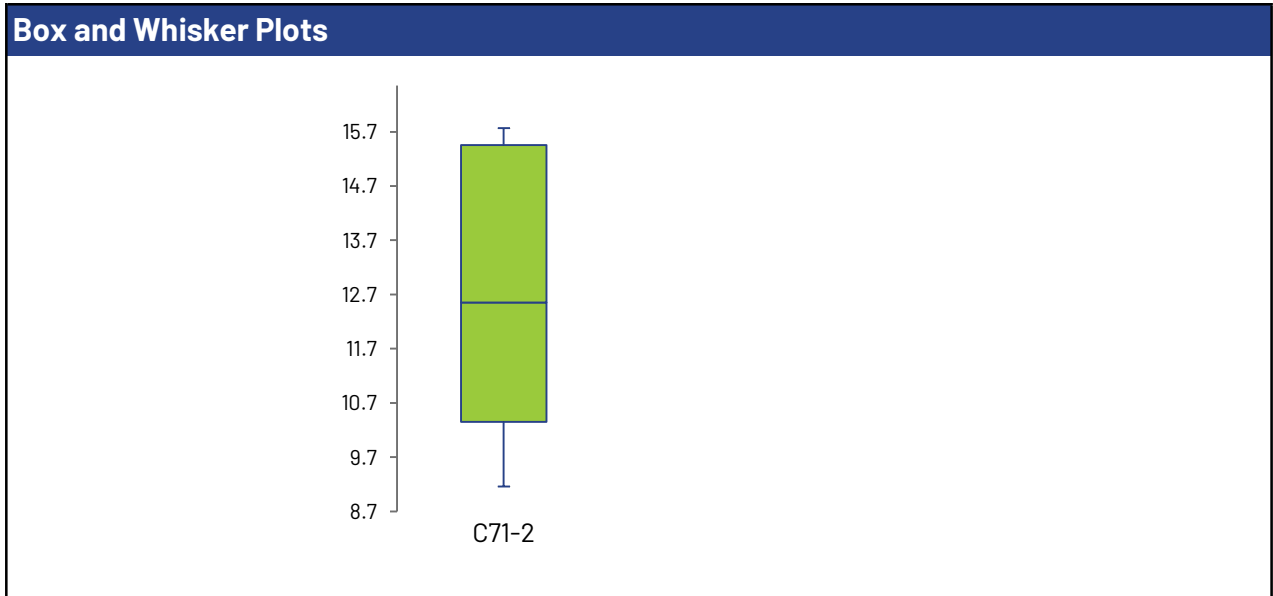
\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Aldicarb



### Aldicarb

	Stability Assessment	Homogeneity Assessment
C71-4		
	<p>Stability assessments are regression analysis of reported result against date of analysis.</p> <p>Homogeneity assessments are regression analysis of reported result against bottling order.</p>	



## Azoxystrobin

### Summary Statistics

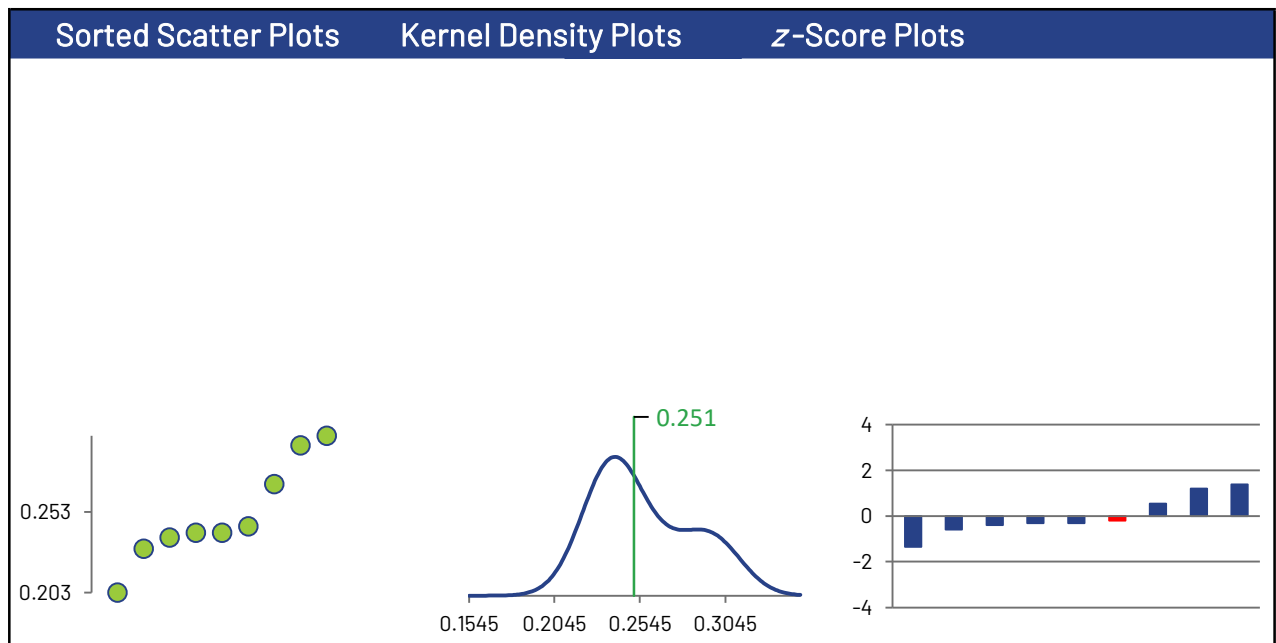
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.240		
Robust Mean µg/g		0.251		
Uncertainty of the Assigned Value µg/g		0.0148		
Robust Standard Deviation µg/g		0.0355		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0355		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

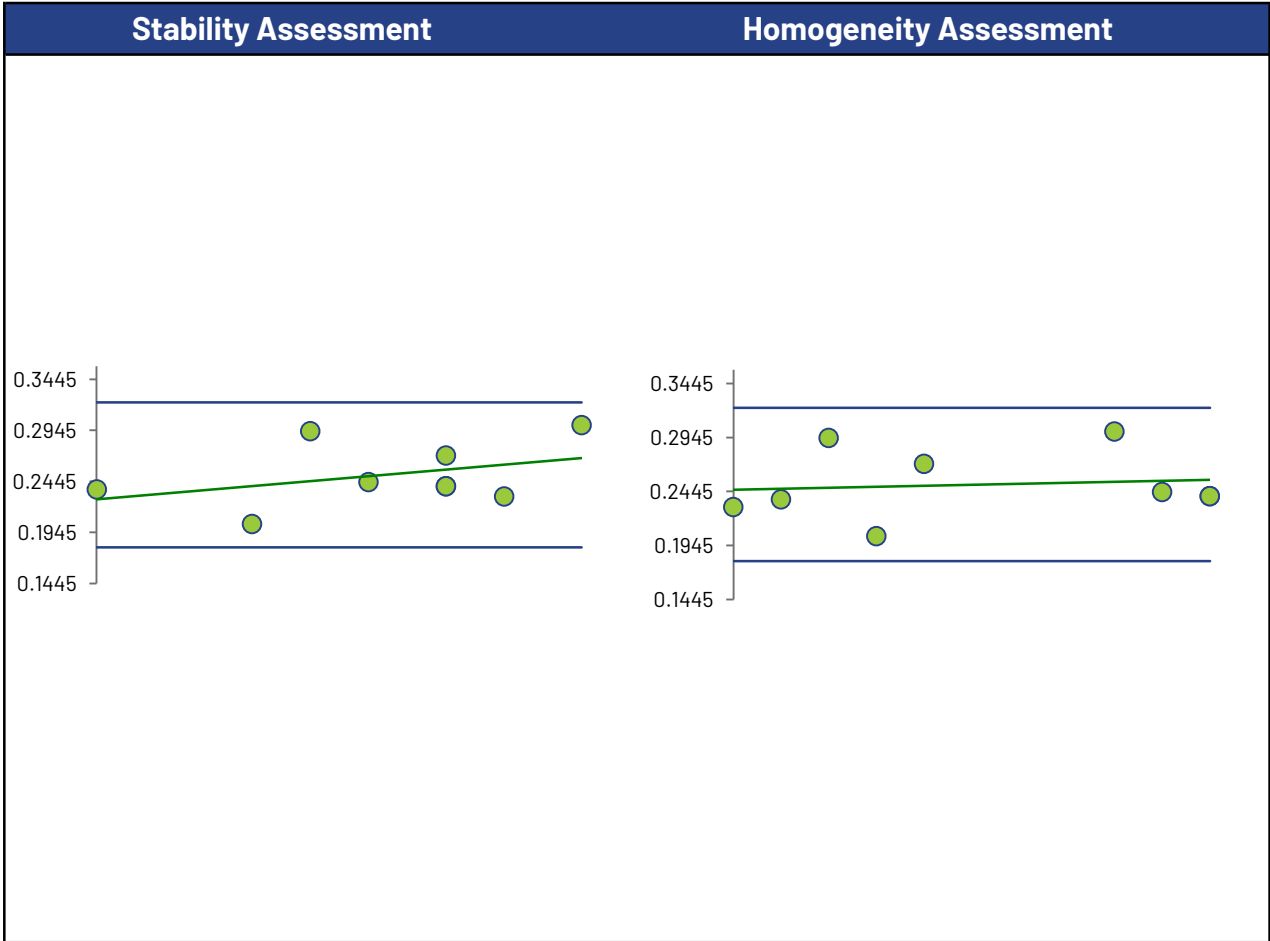
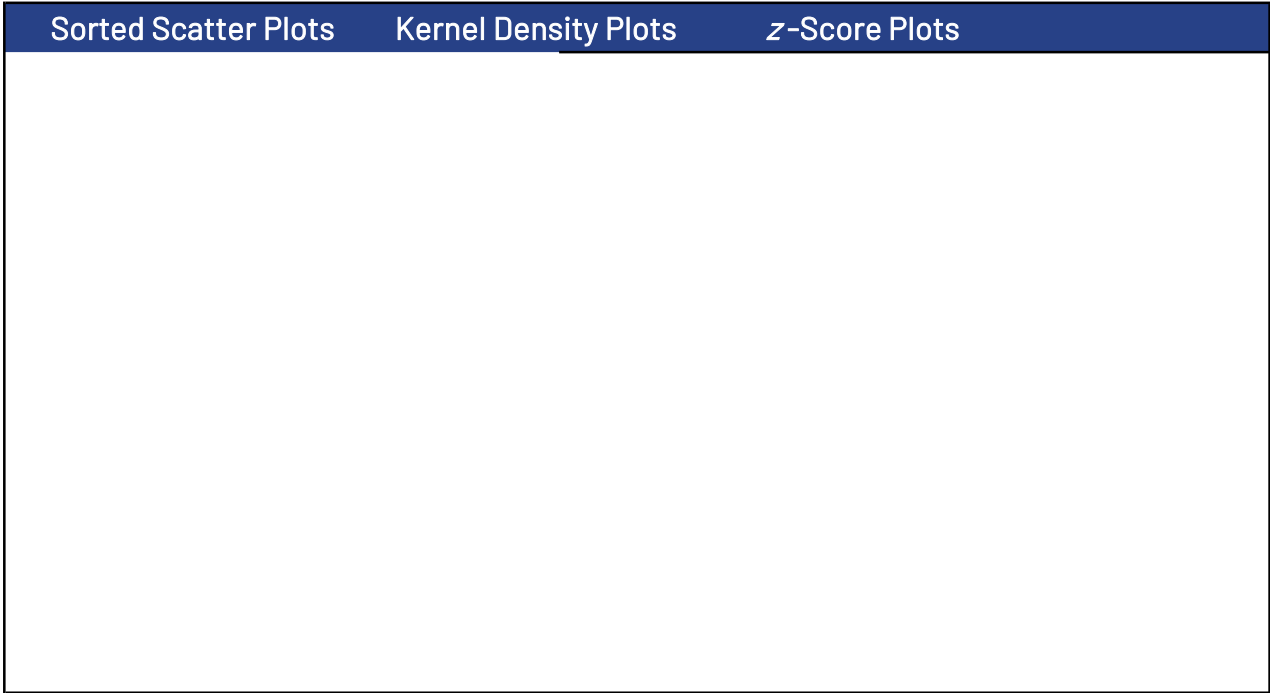
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

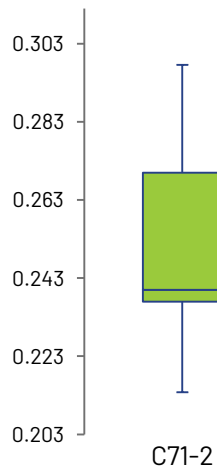
# Azoxystrobin



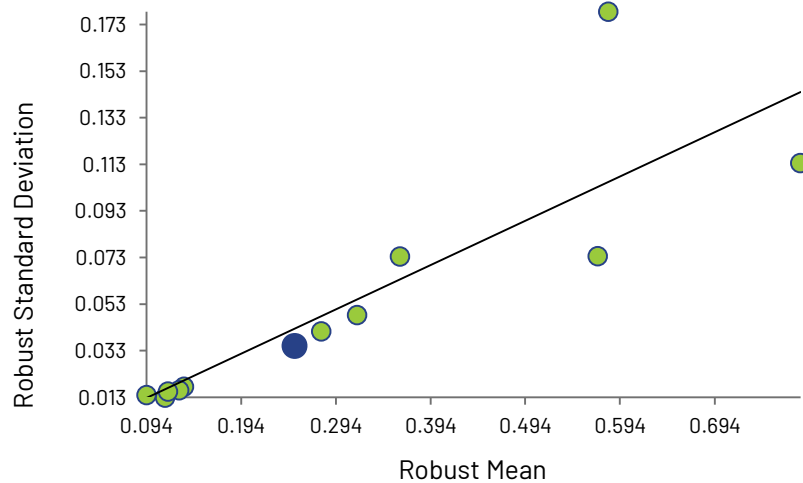
## Azoxystrobin

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Bifenazate

### Summary Statistics

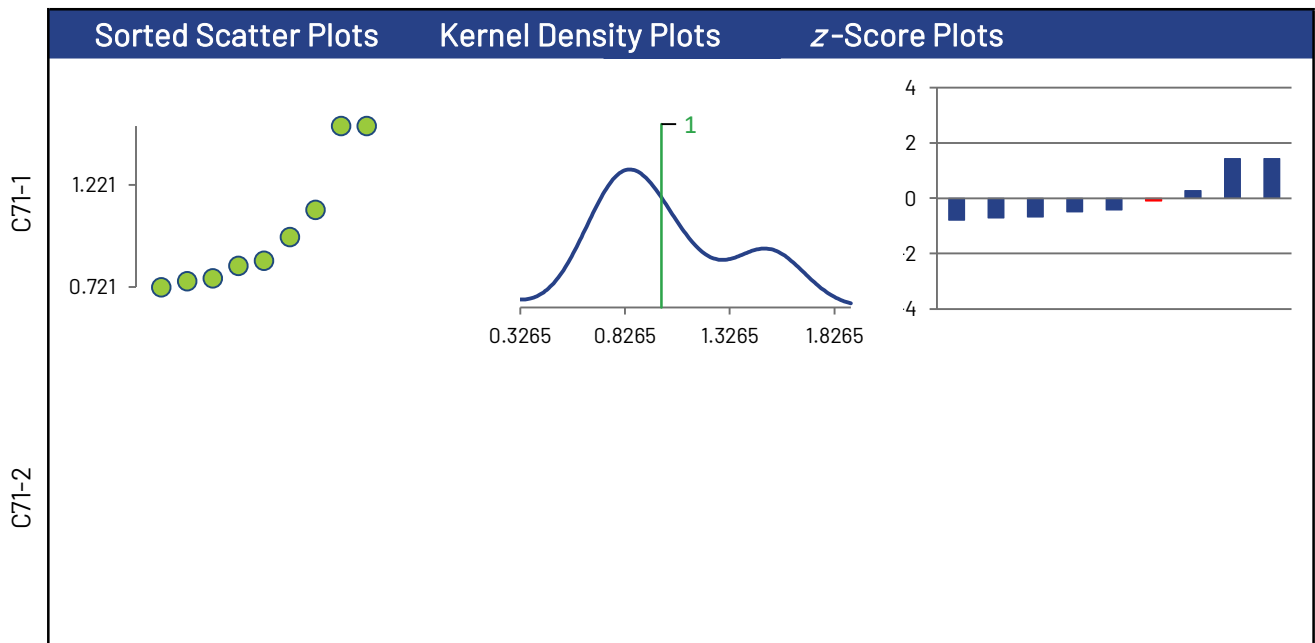
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.850			
Robust Mean µg/g	1.00			
Uncertainty of the Assigned Value µg/g	0.148			
Robust Standard Deviation µg/g	0.354			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.354			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

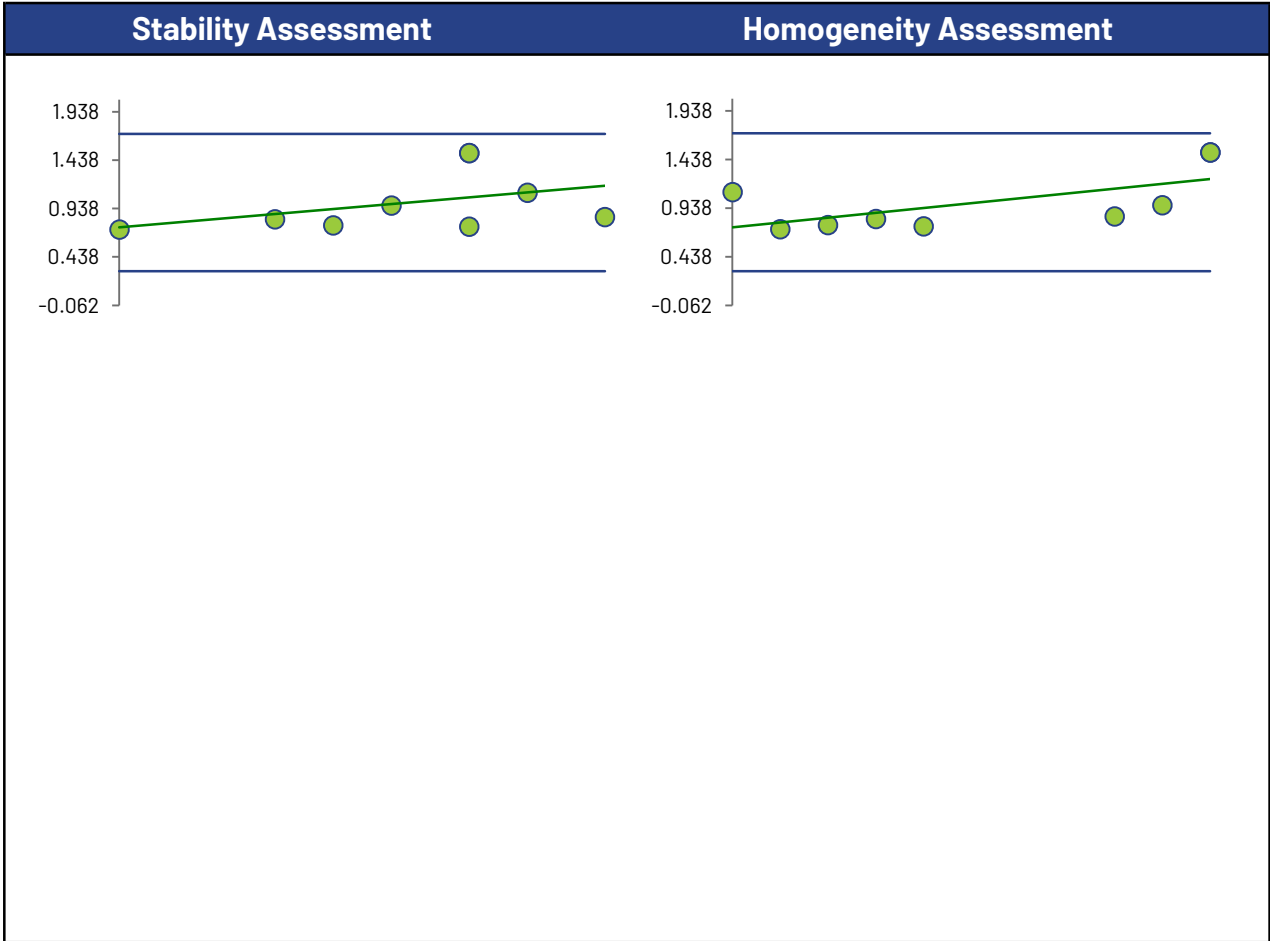
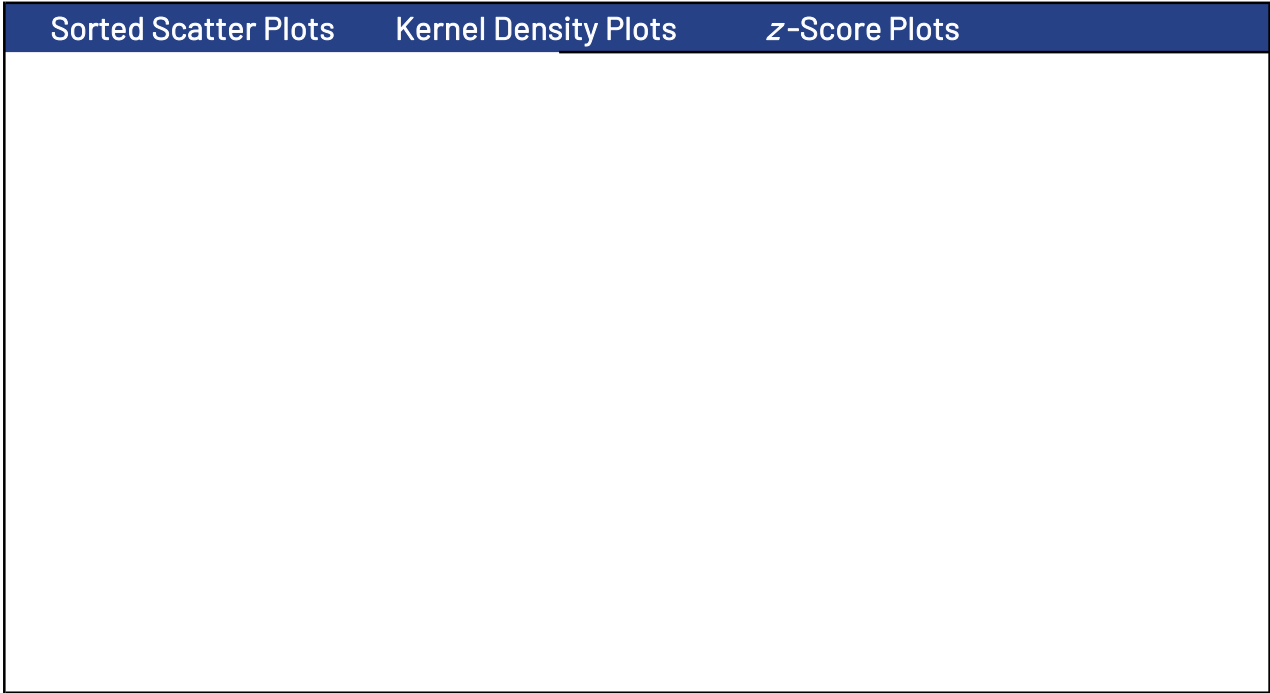
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

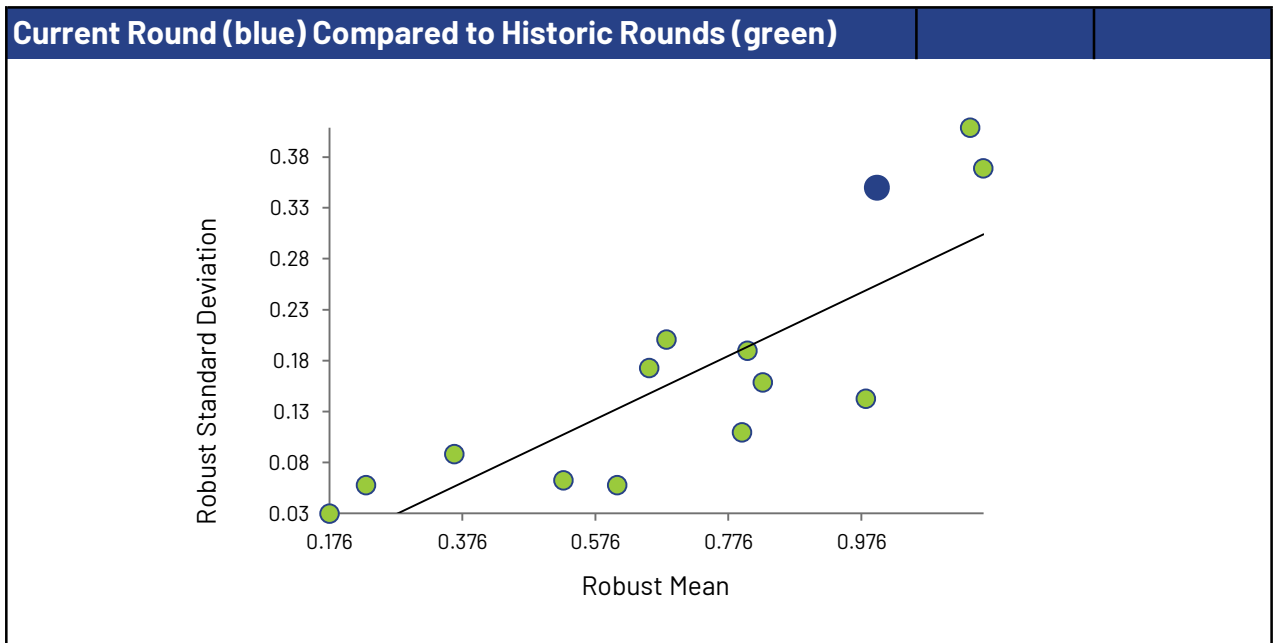
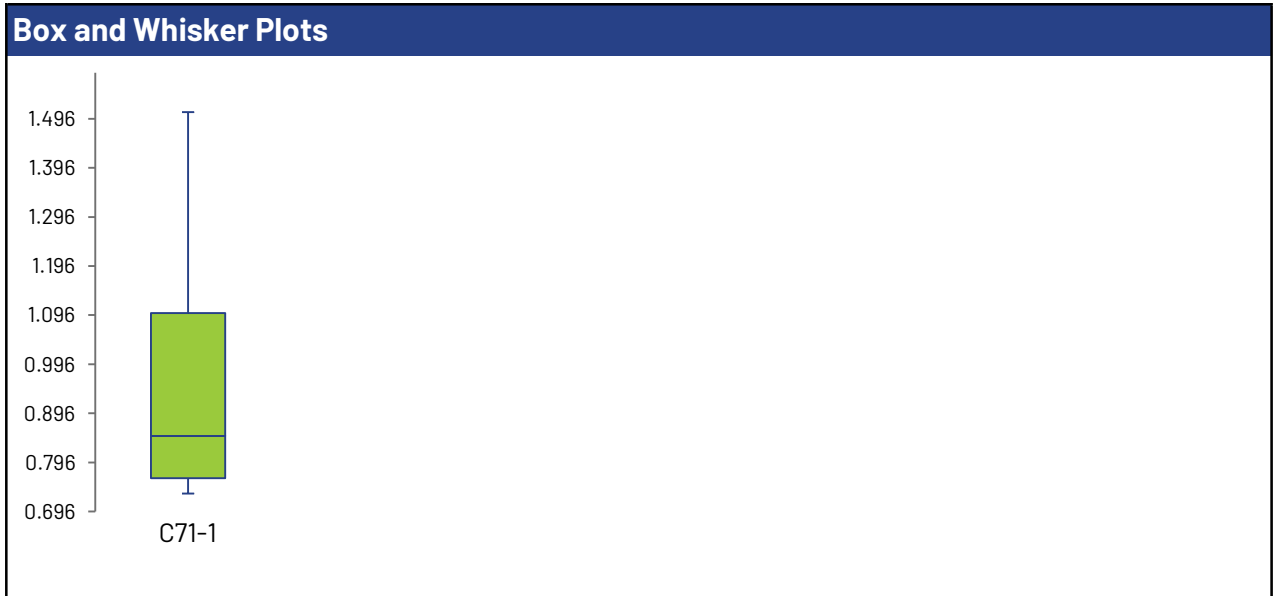
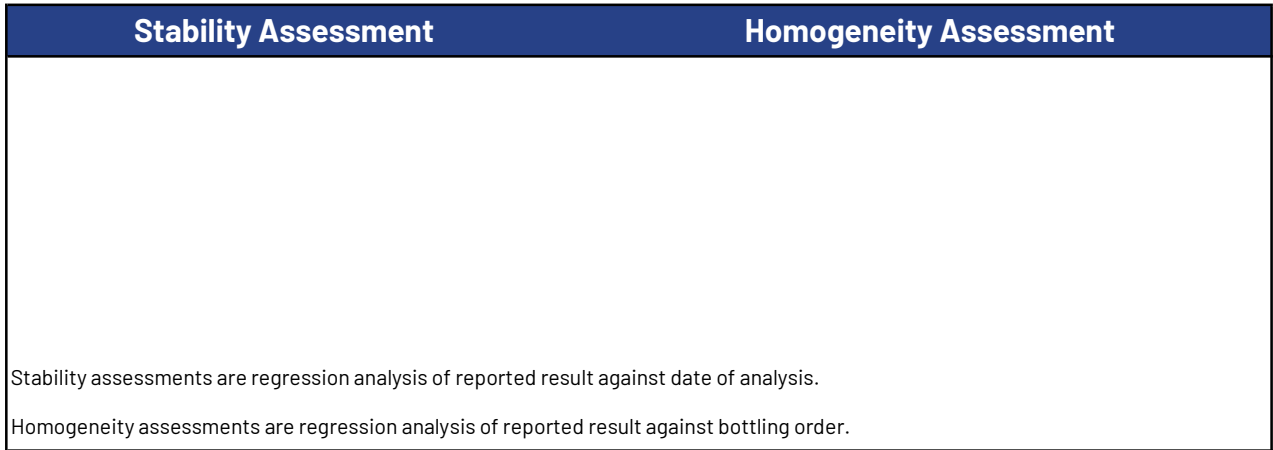


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Bifenazate



## Bifenazate



### Boscalid

#### Summary Statistics

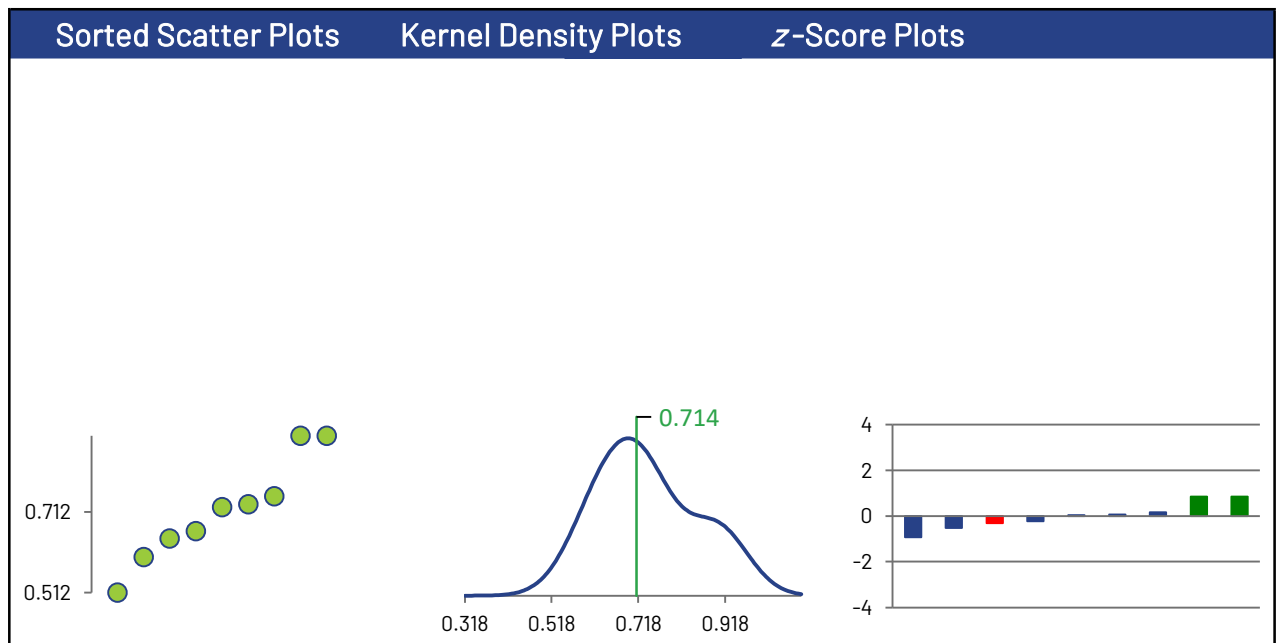
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.723		
Robust Mean µg/g		0.714		
Uncertainty of the Assigned Value µg/g		0.0608		
Robust Standard Deviation µg/g		0.146		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag		<b>Homogeneity</b>		
Standard Deviation Used (SDPA) µg/g		0.218		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

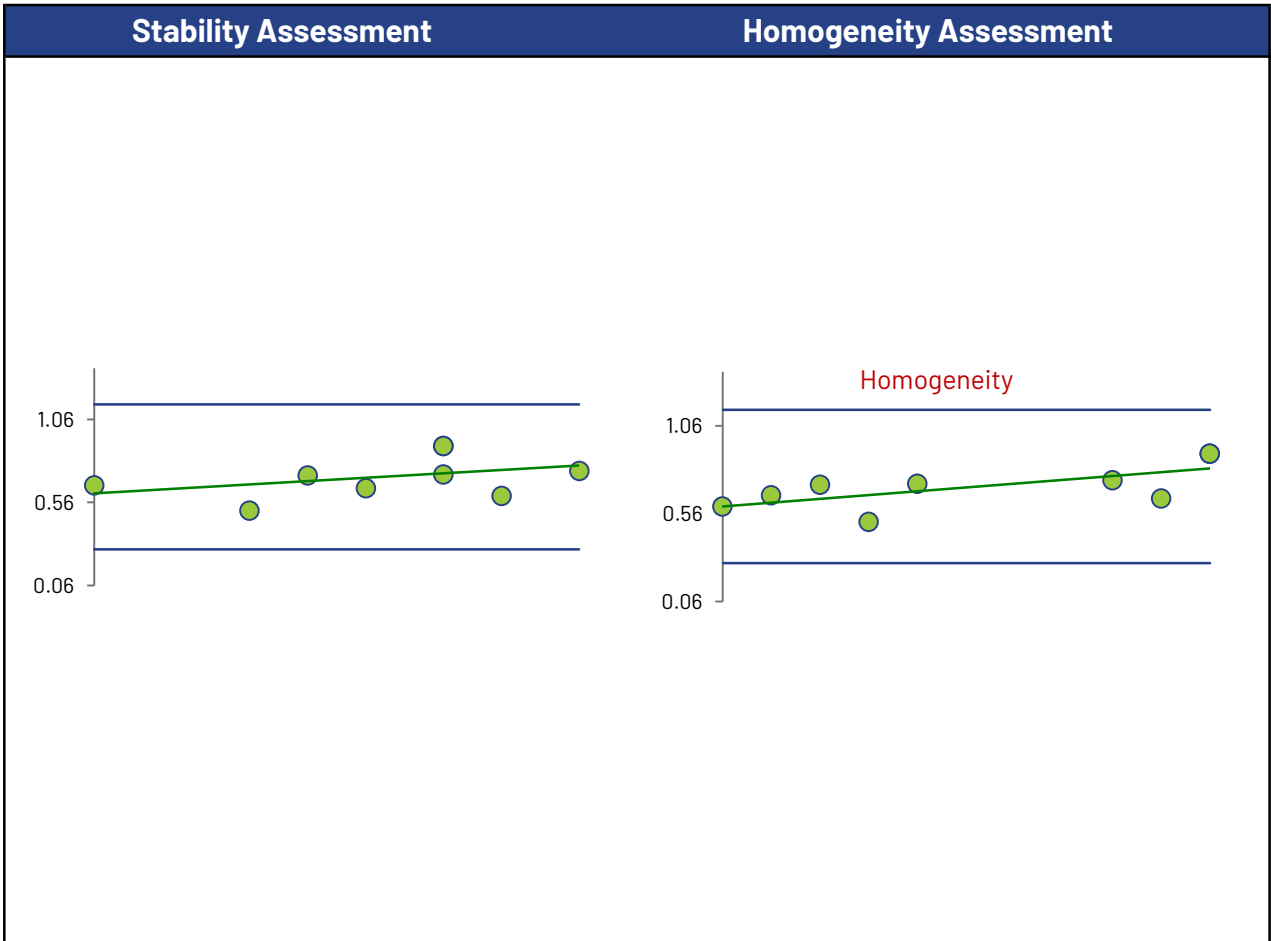
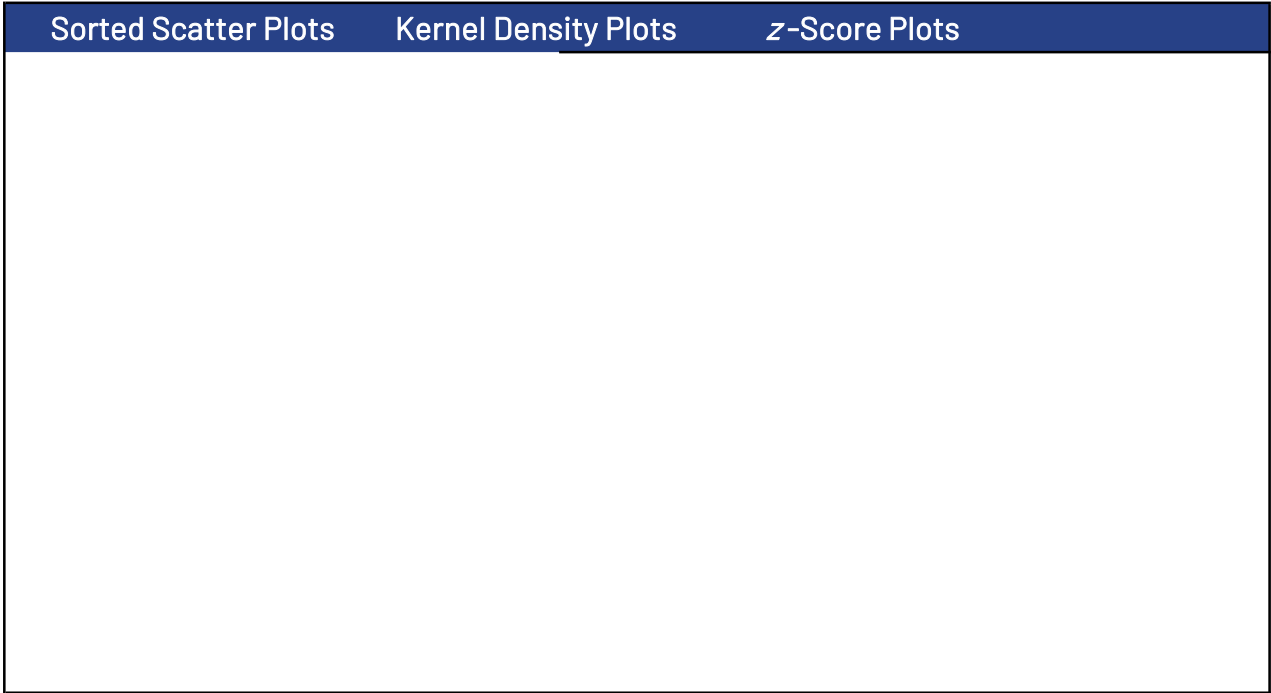
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	6	0	0
LC/MS (Red)	0	1	0	0
GC/MS/MS (Green)	0	2	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

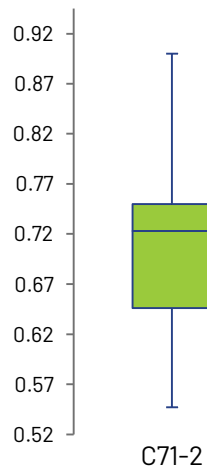
## Boscalid



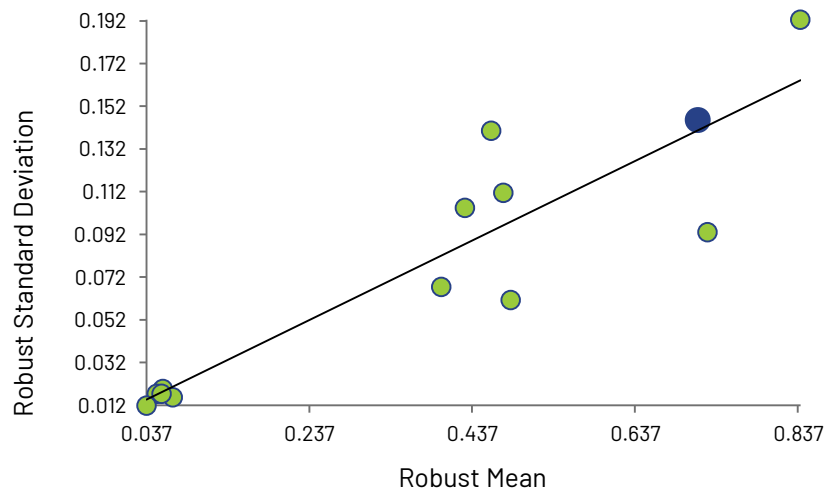
## Boscalid

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Carbaryl

### Summary Statistics

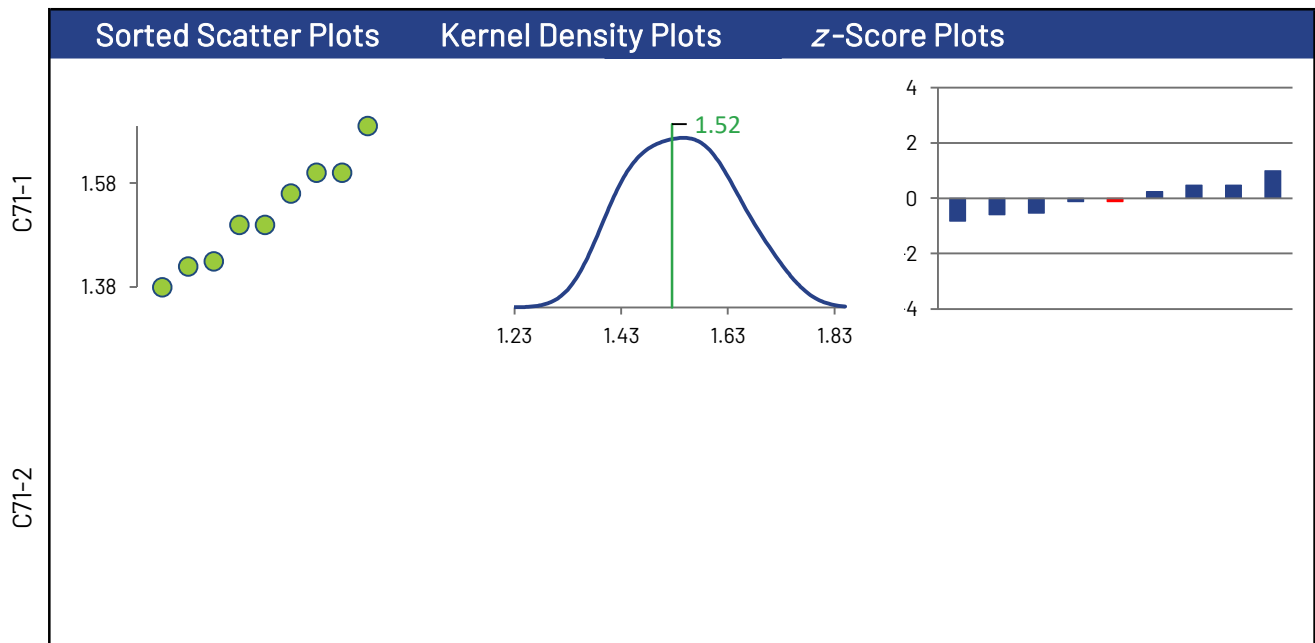
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	1.50			
Robust Mean µg/g	1.52			
Uncertainty of the Assigned Value µg/g	0.0479			
Robust Standard Deviation µg/g	0.115			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag	<b>Homogeneity</b>			
Standard Deviation Used (SDPA) µg/g	0.170			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

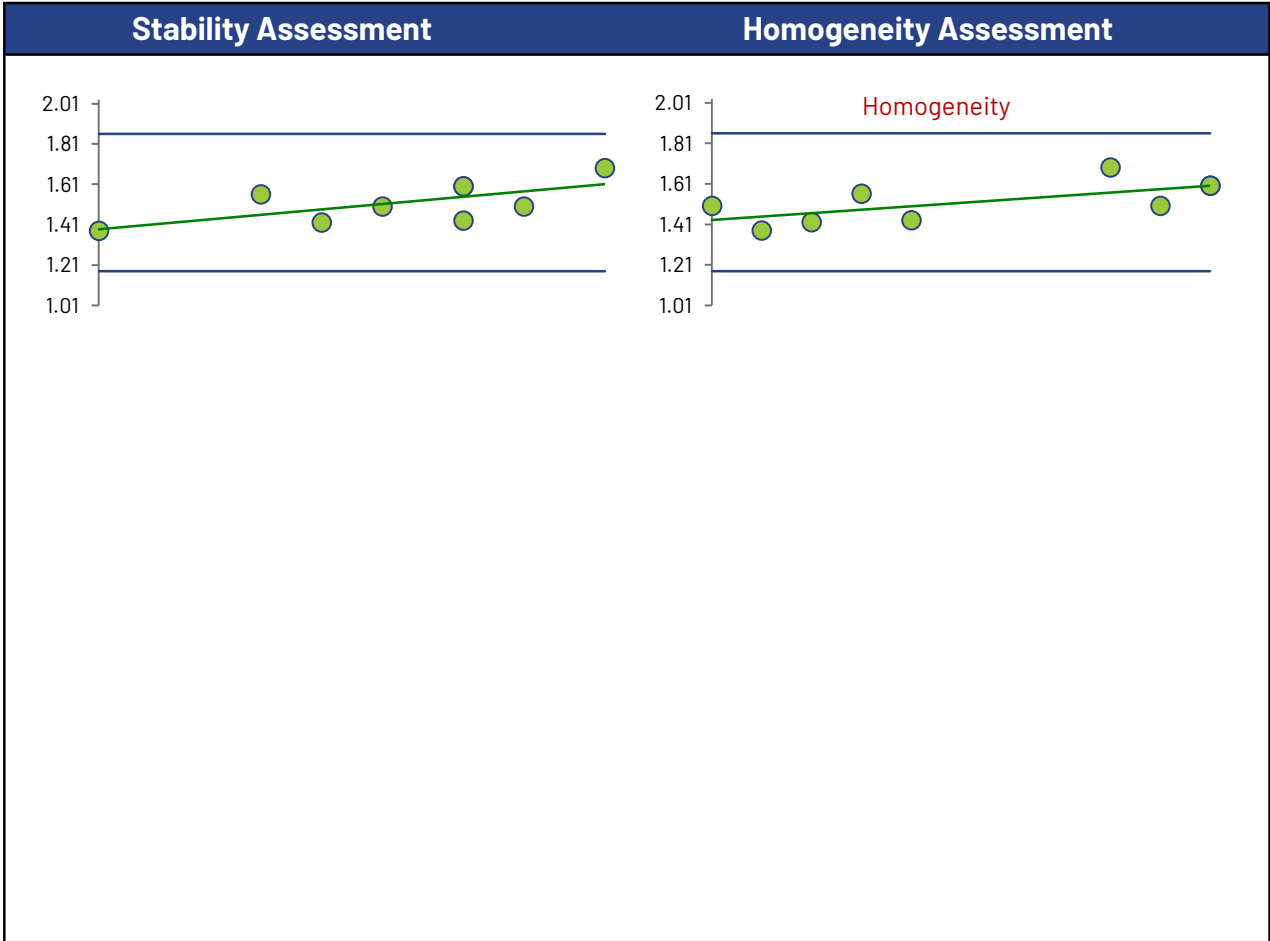
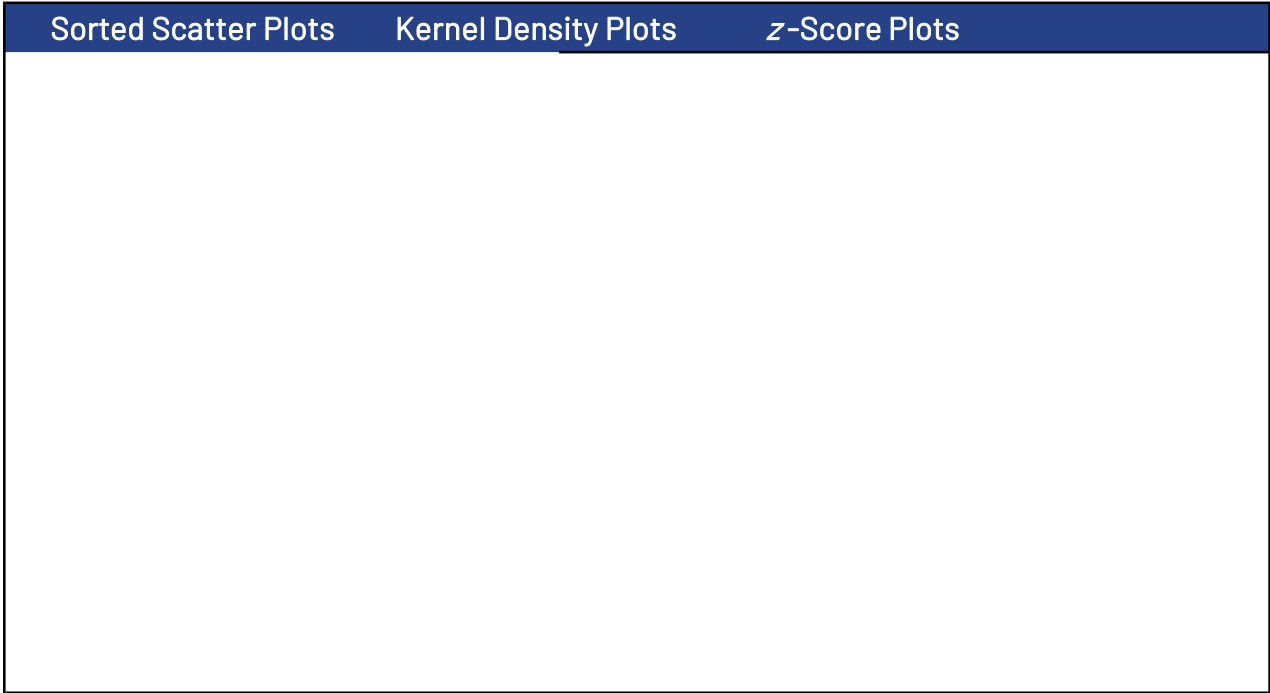
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

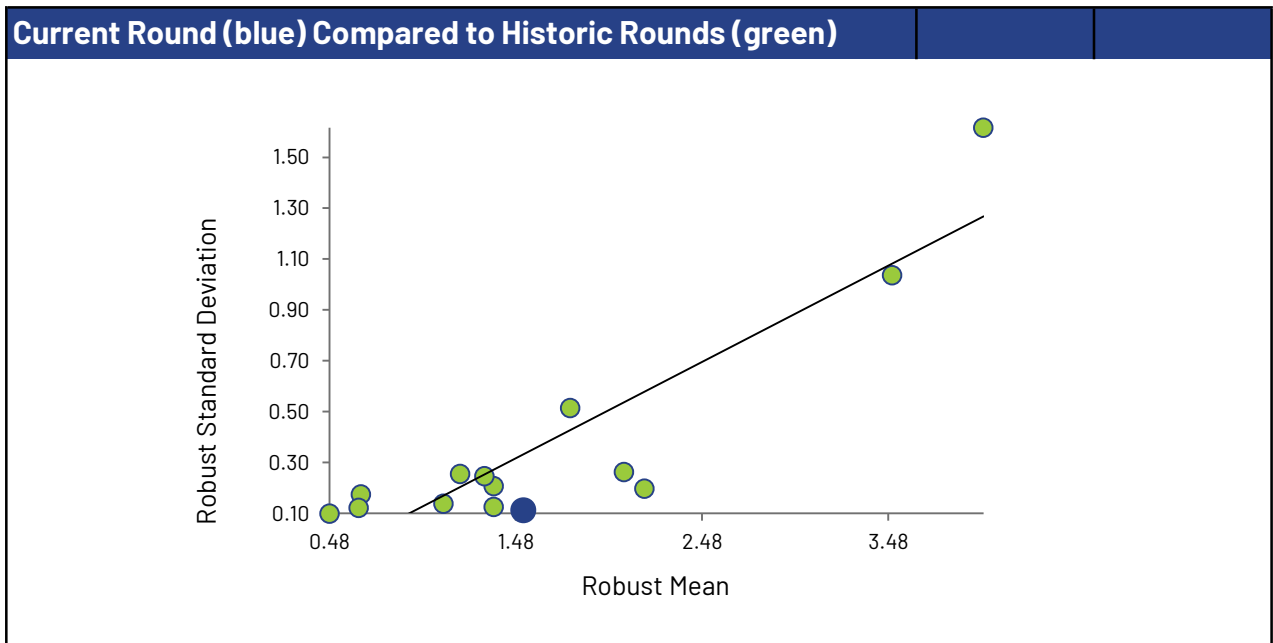
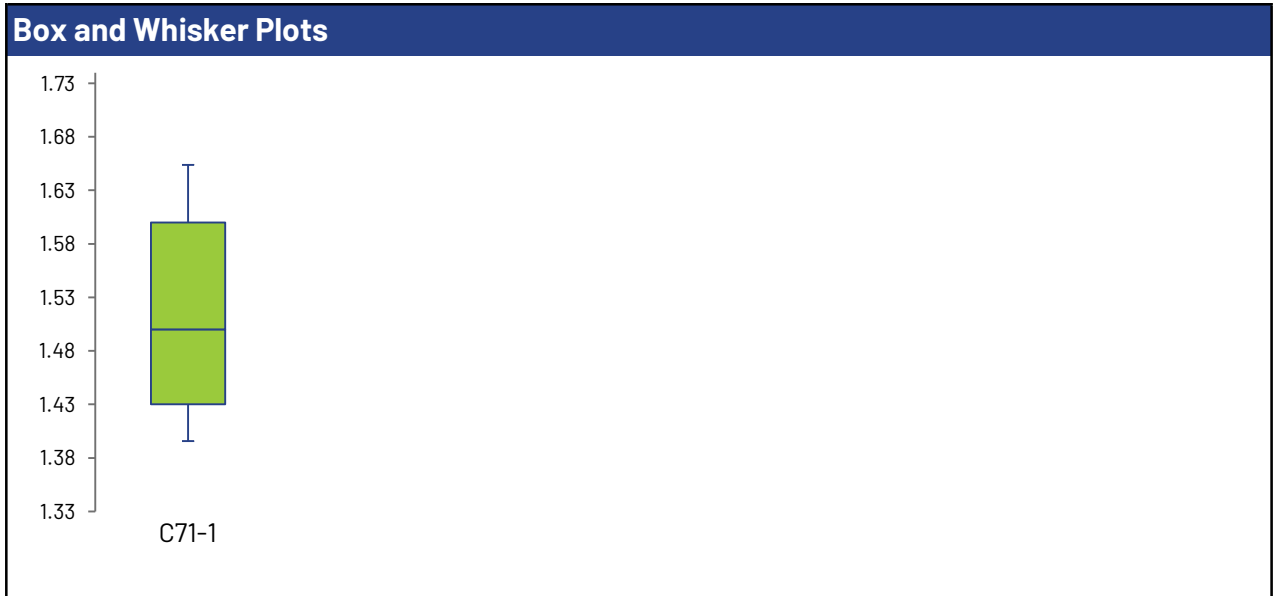
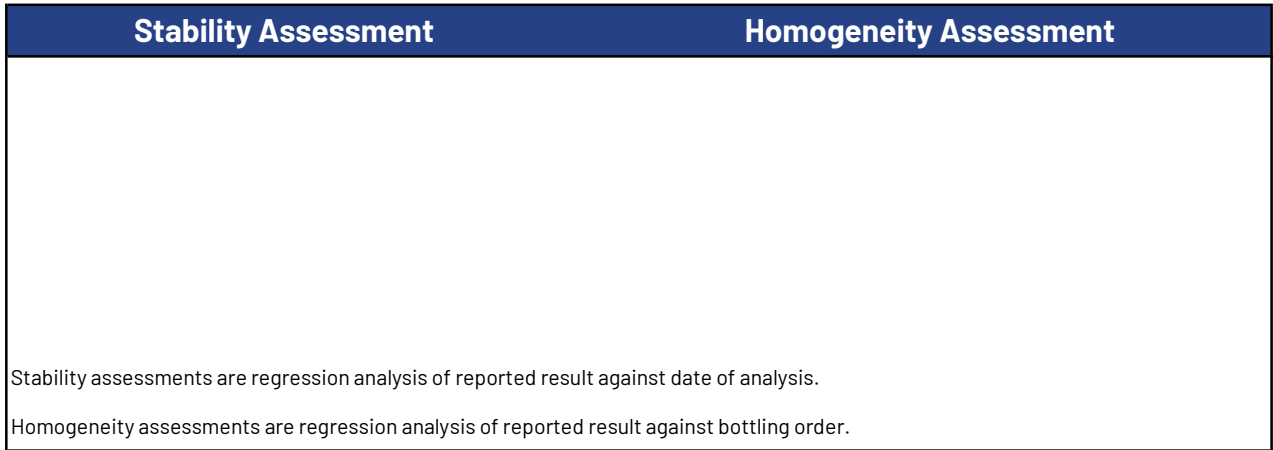


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Carbaryl



## Carbaryl



## Carbofuran

### Summary Statistics

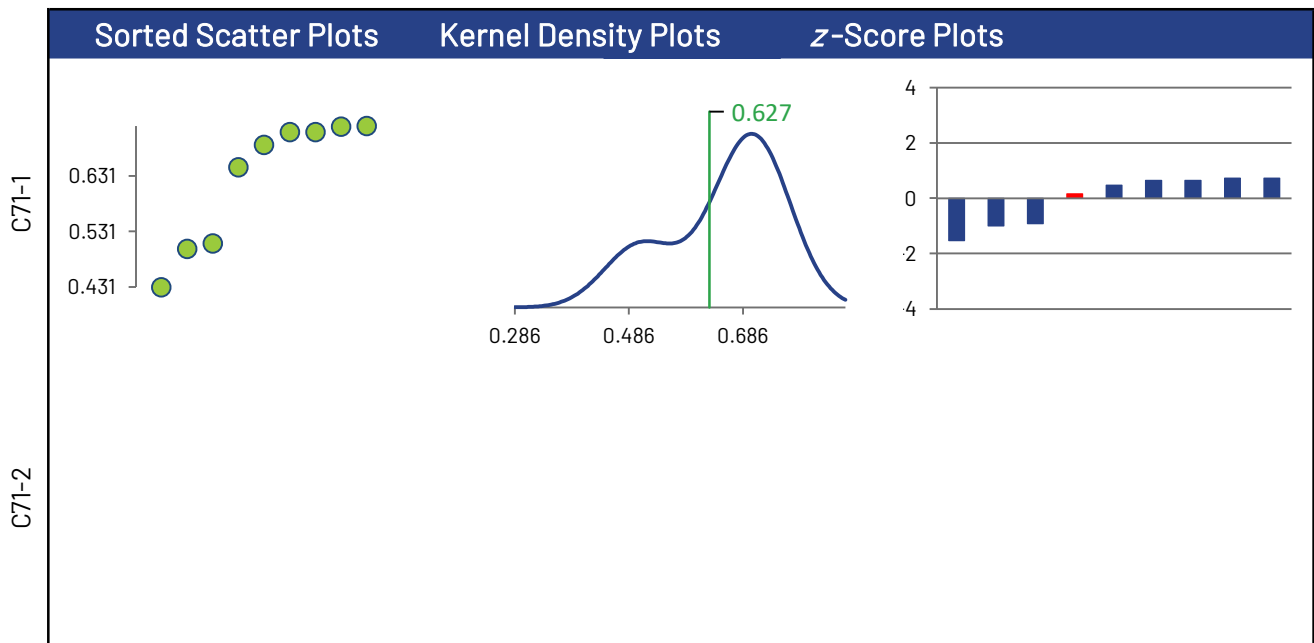
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.687			
Robust Mean µg/g	0.627			
Uncertainty of the Assigned Value µg/g	0.0533			
Robust Standard Deviation µg/g	0.128			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.128			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

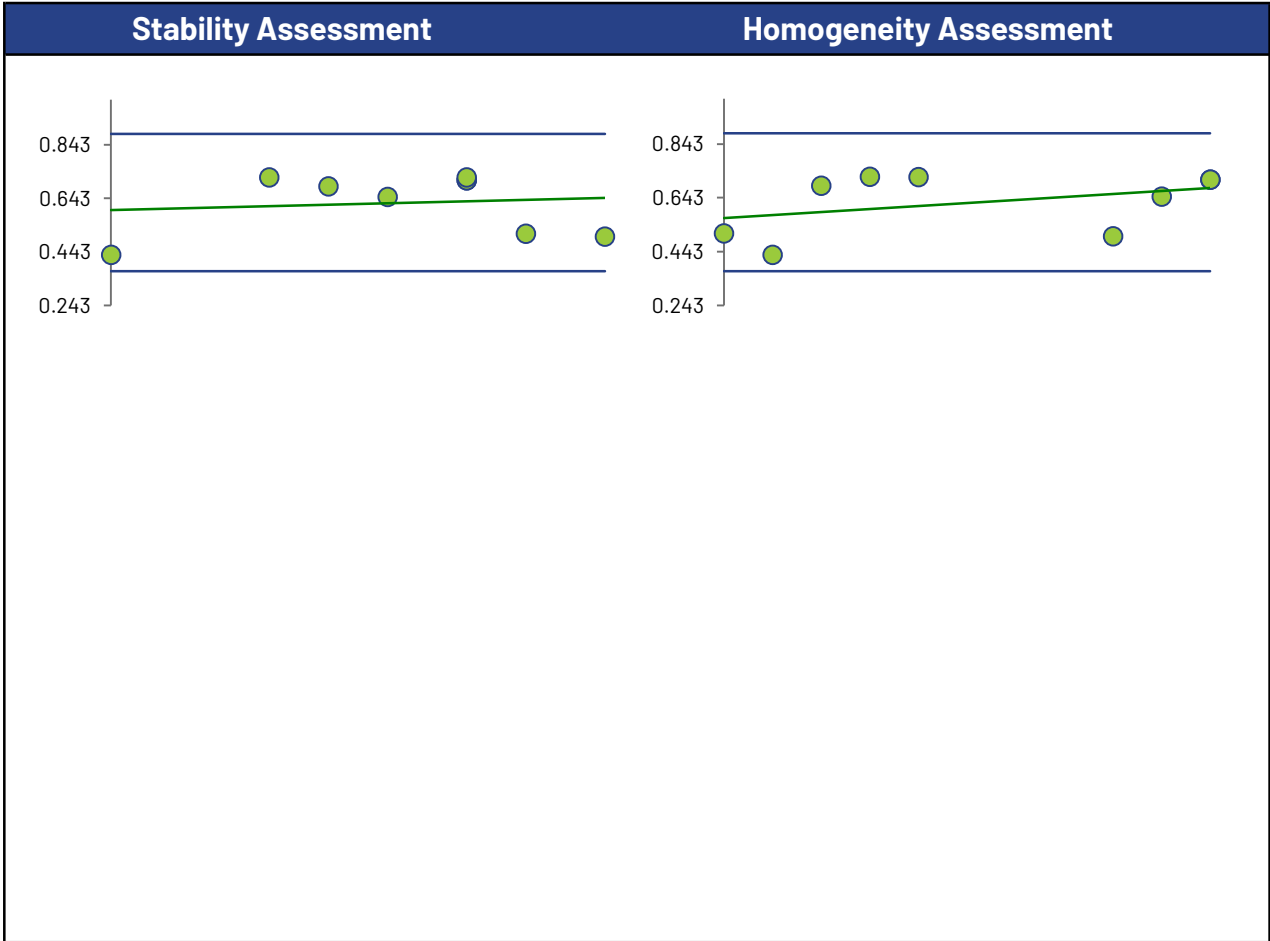
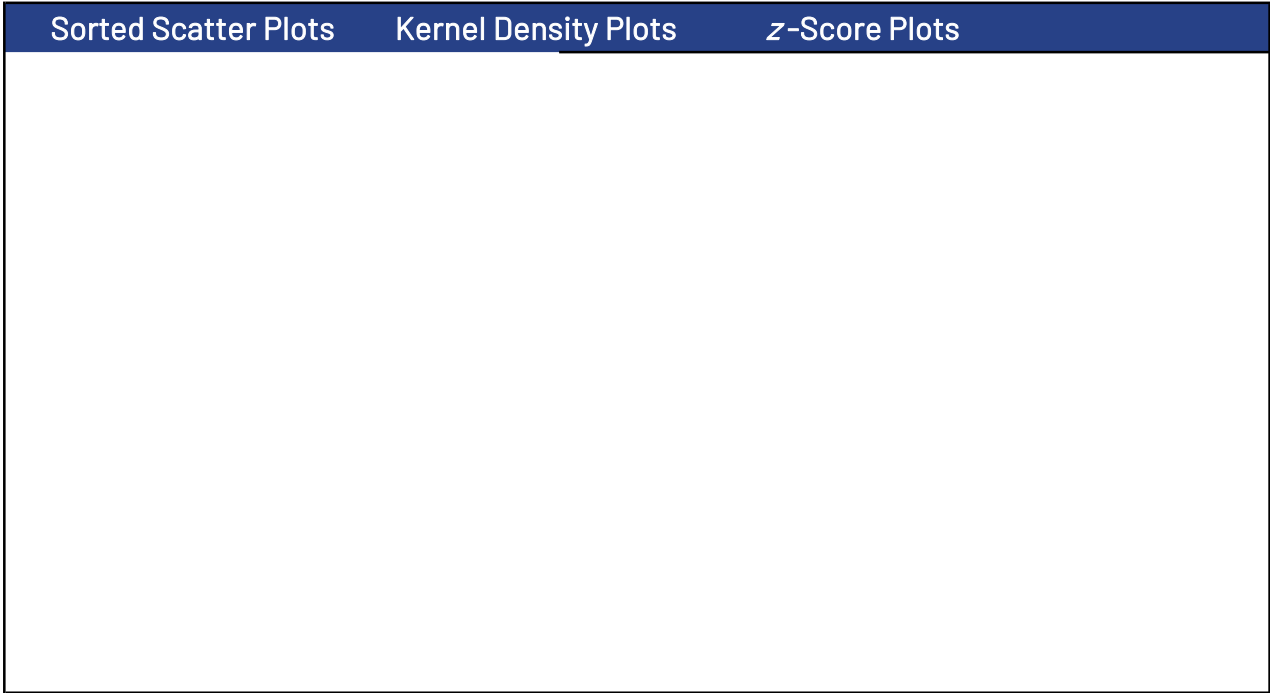
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

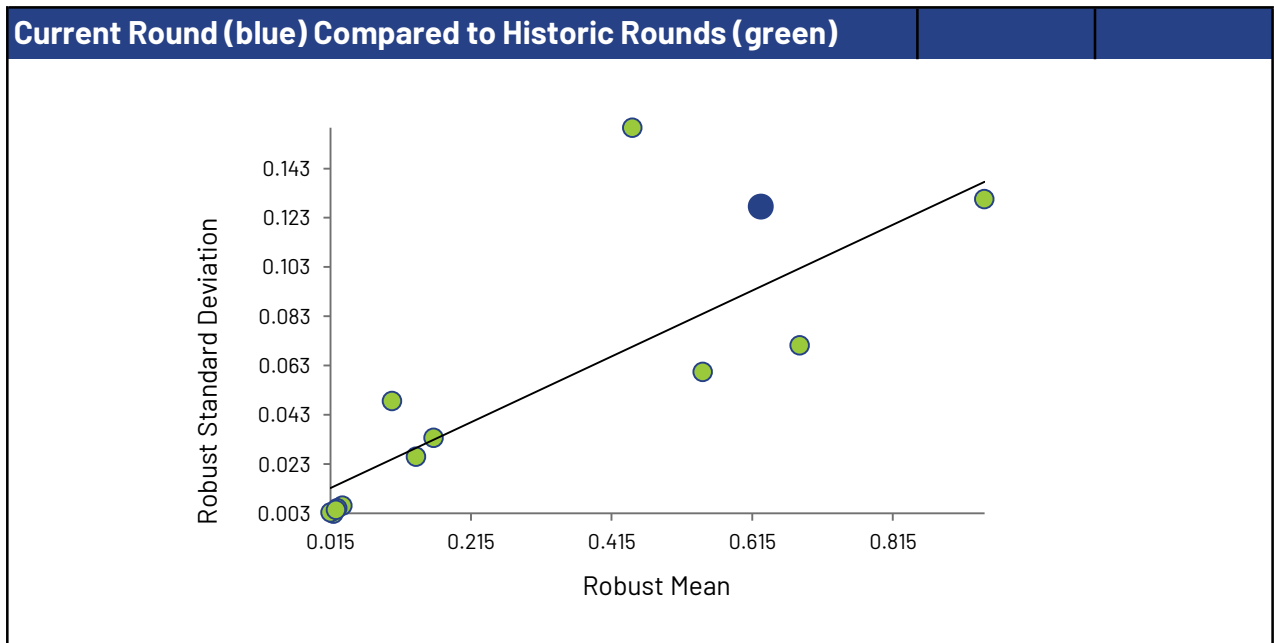
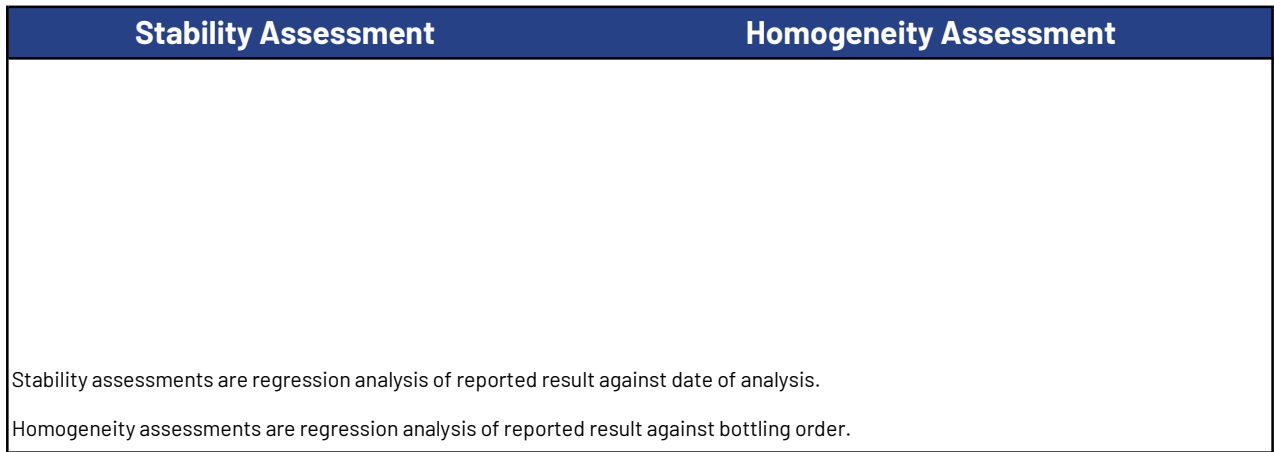


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Carbofuran



## Carbofuran



## Diazinon

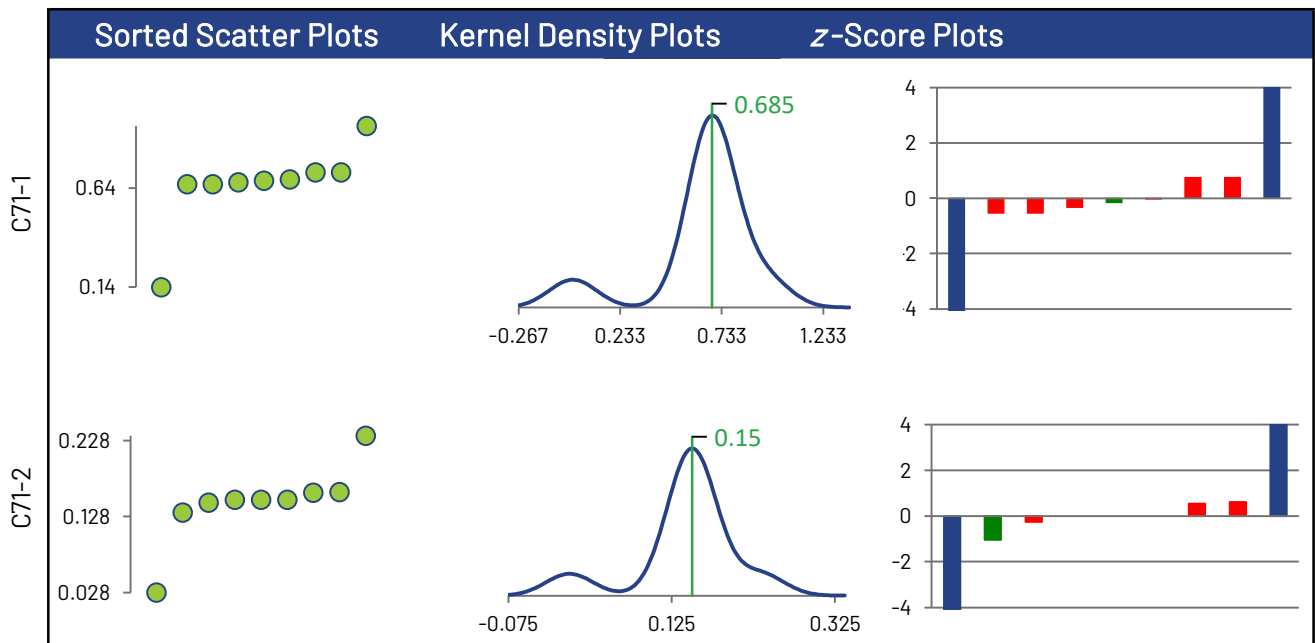
### Summary Statistics

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	9	0	0
Median µg/g	0.678	0.150		
Robust Mean µg/g	0.685	0.150		
Uncertainty of the Assigned Value µg/g	0.0195	0.00679		
Robust Standard Deviation µg/g	0.0468	0.0163		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.0468	0.0163		
Flagged Outliers	0	0	0	0
z >3.0	2	2	0	0
2< z <3	0	0	0	0
Failure Rate %*	11.1			

### Methods Used

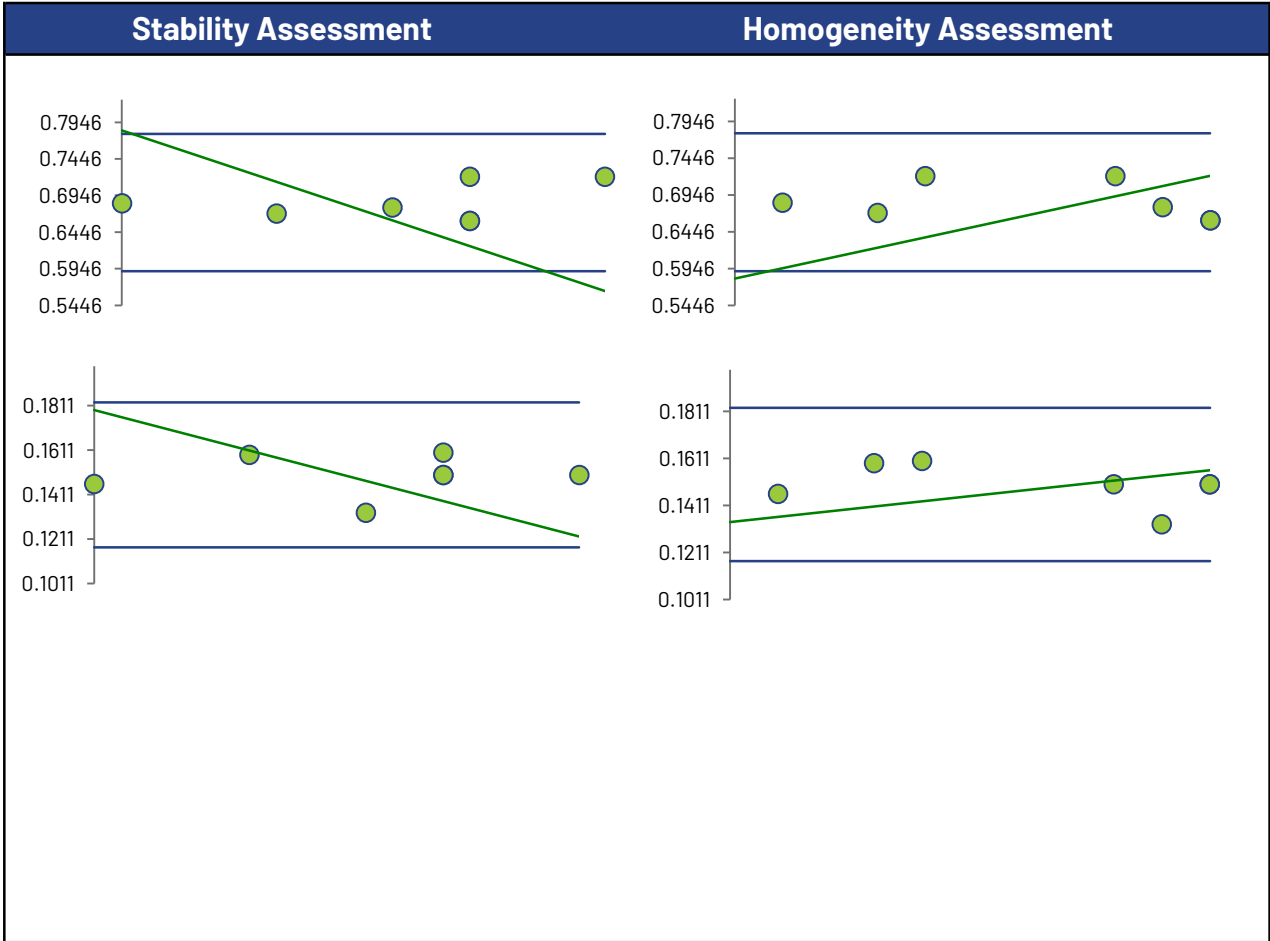
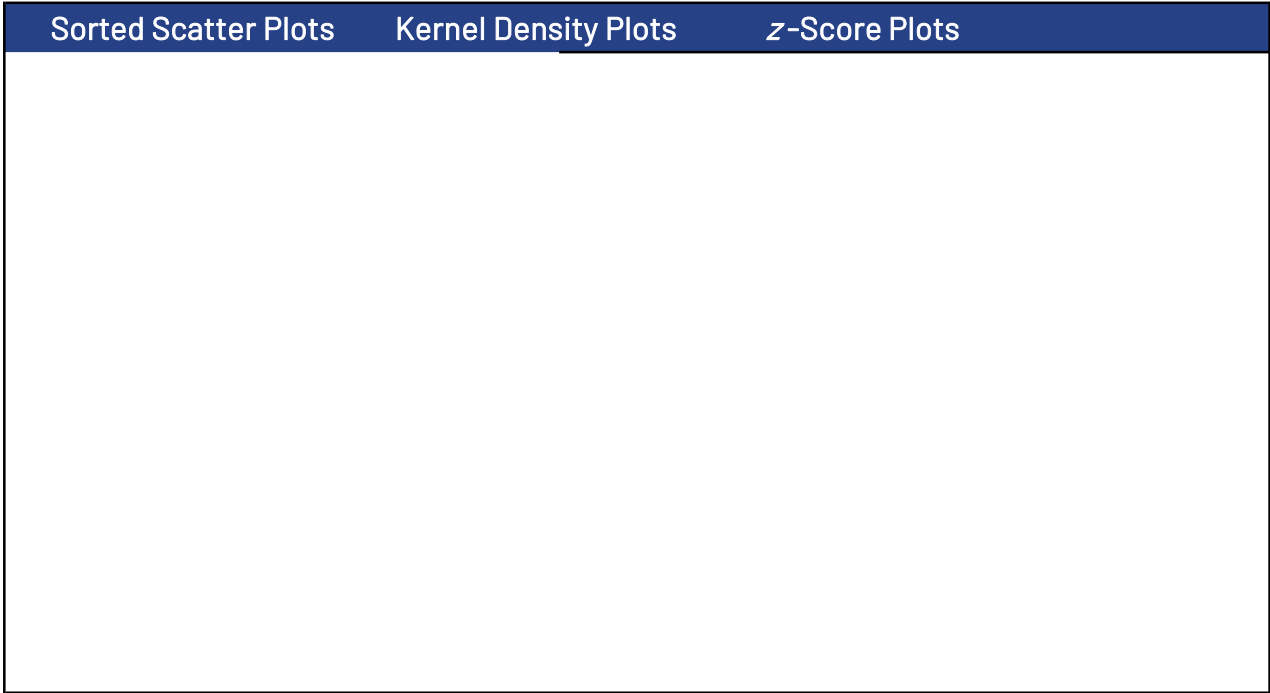
Method	C71-1	C71-2	C71-3	C71-4
GC/MS/MS (Blue)	2	2	0	0
LC-MS/MS (Red)	6	6	0	0
LC/MS (Green)	1	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

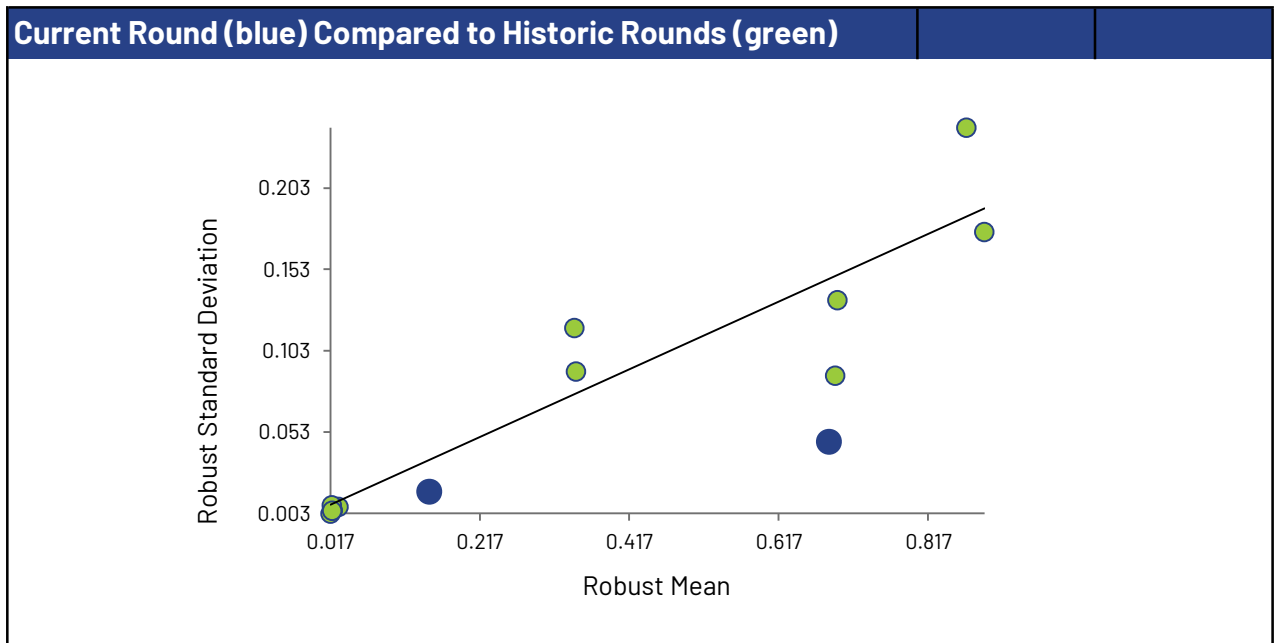
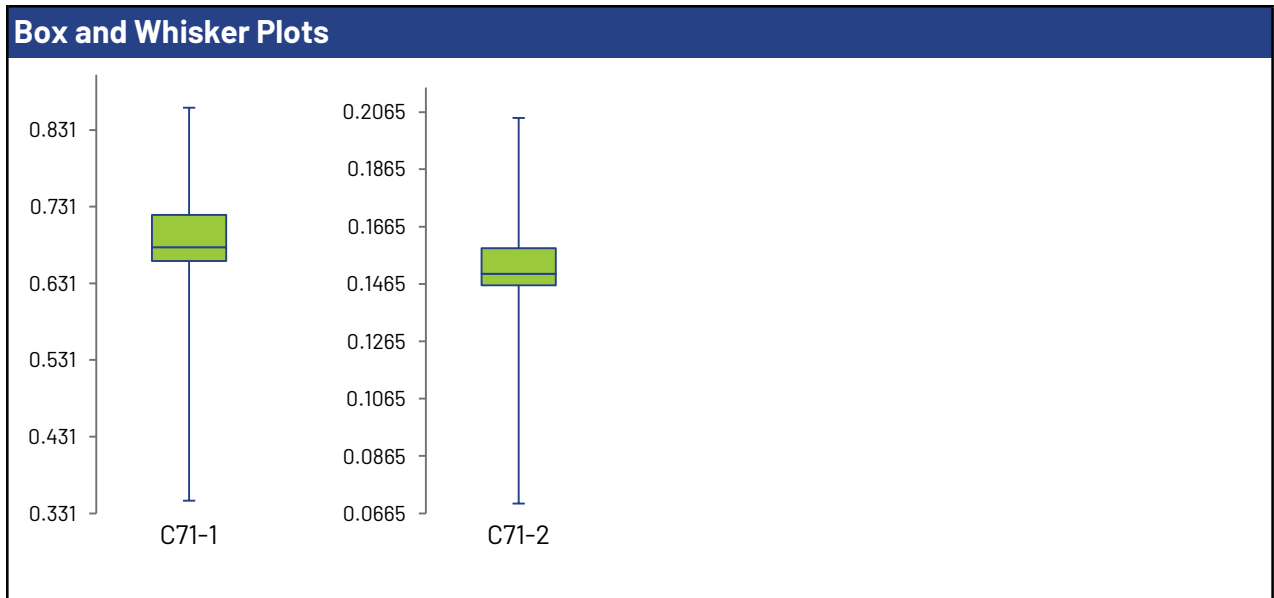
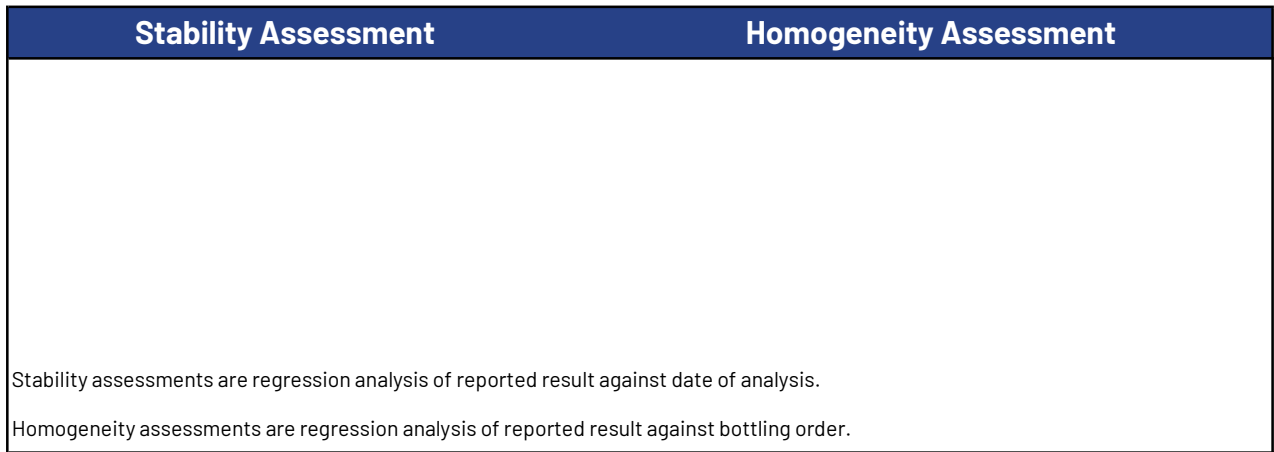


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Diazinon



## Diazinon



## Dichlorvos (DDVP)

### Summary Statistics

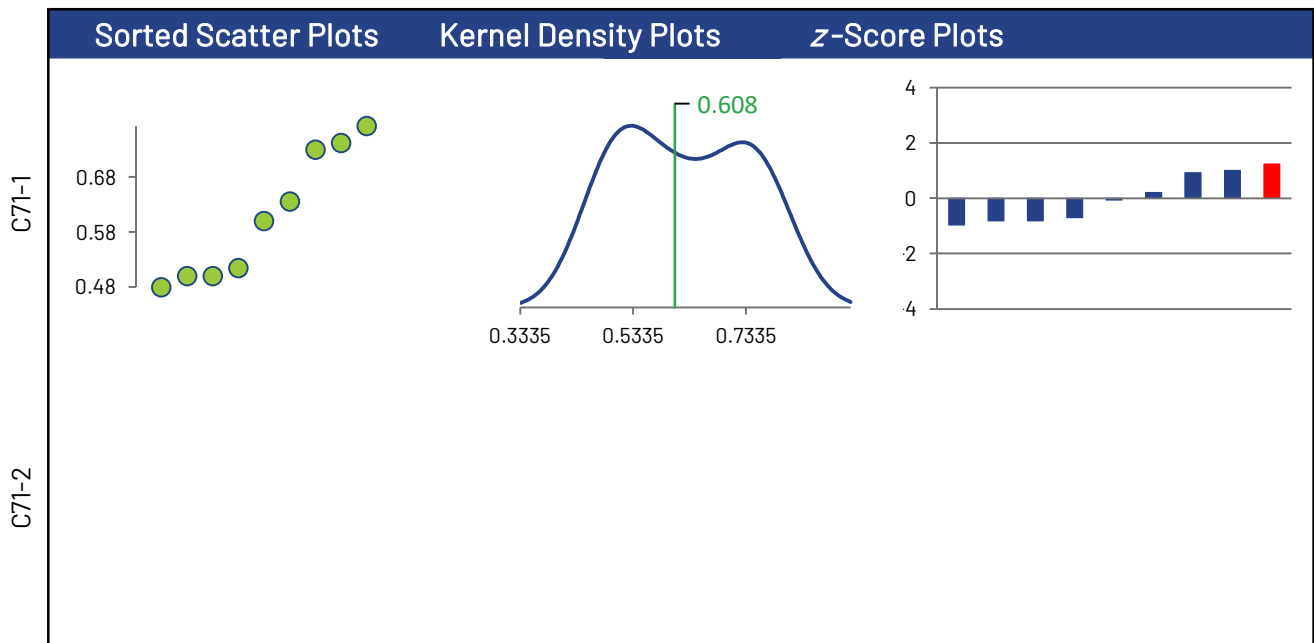
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.600			
Robust Mean µg/g	0.608			
Uncertainty of the Assigned Value µg/g	0.0554			
Robust Standard Deviation µg/g	0.133			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.133			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

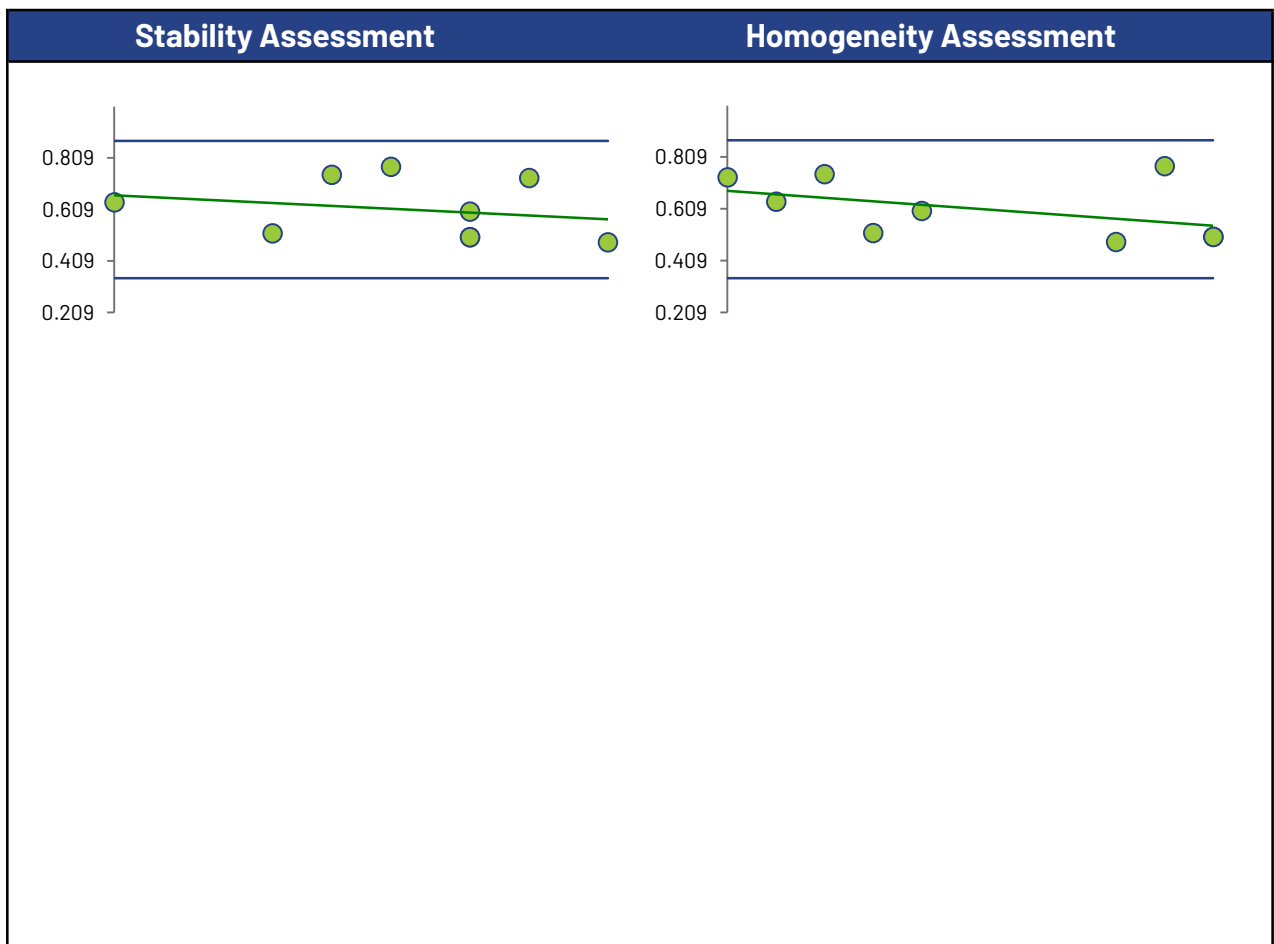
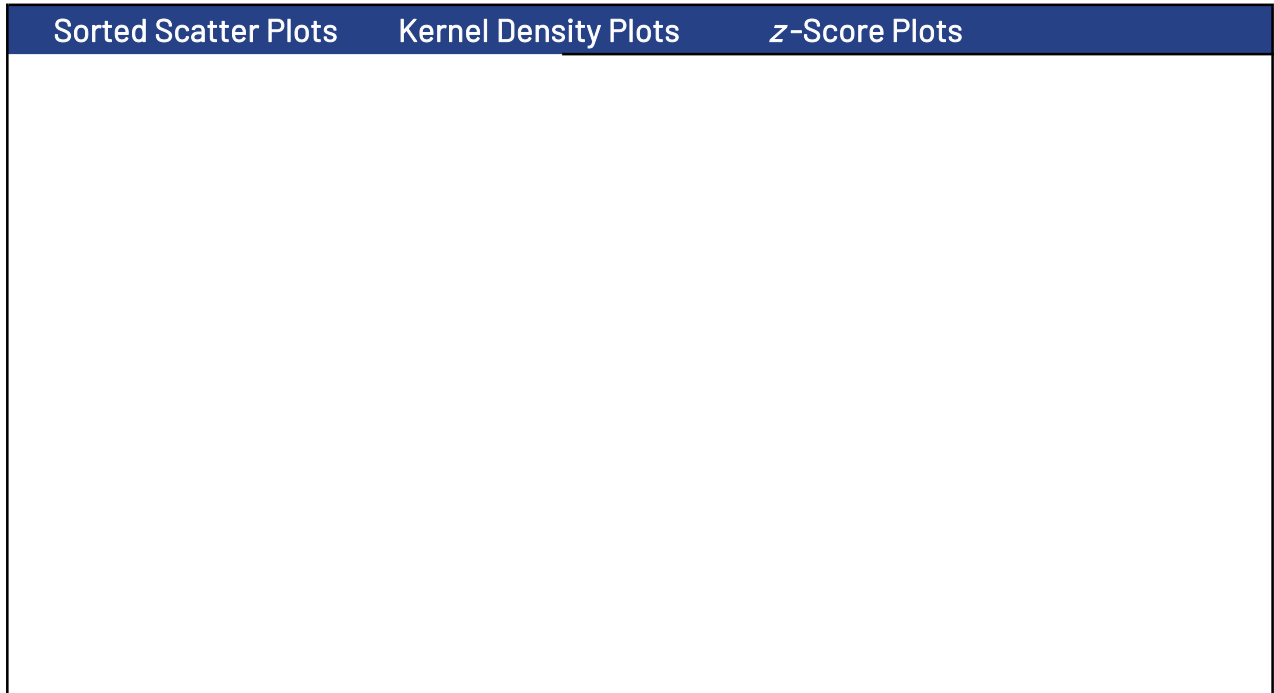
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

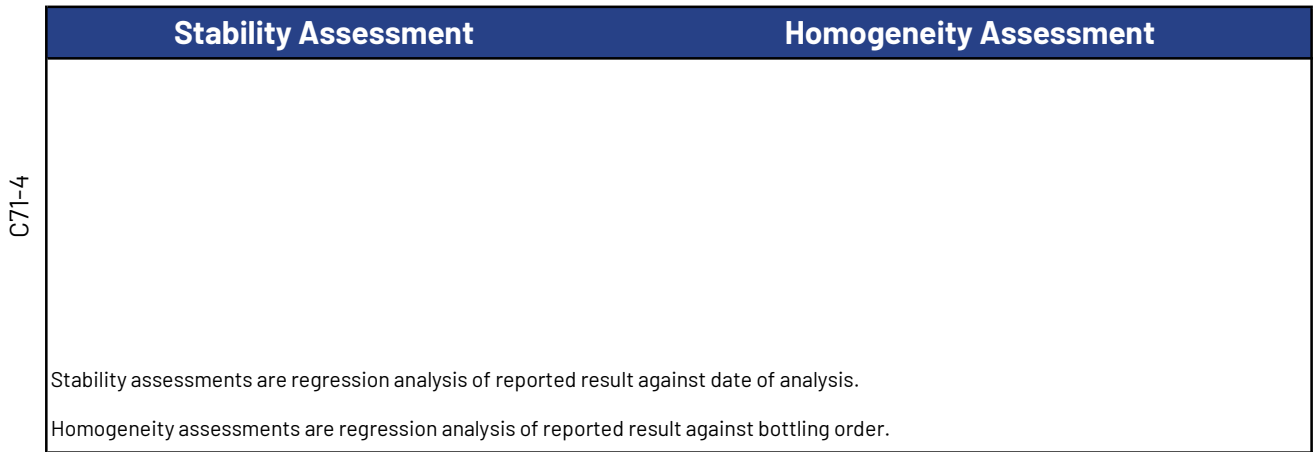


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

## Dichlorvos (DDVP)



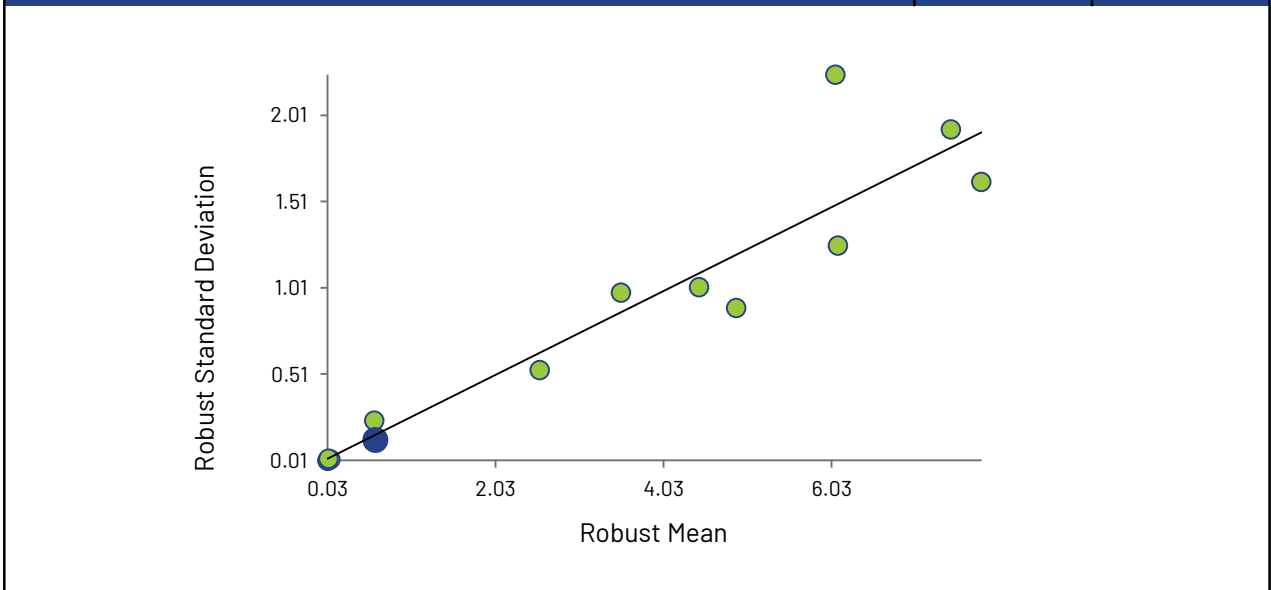
## Dichlorvos (DDVP)



### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Dimethoate

### Summary Statistics

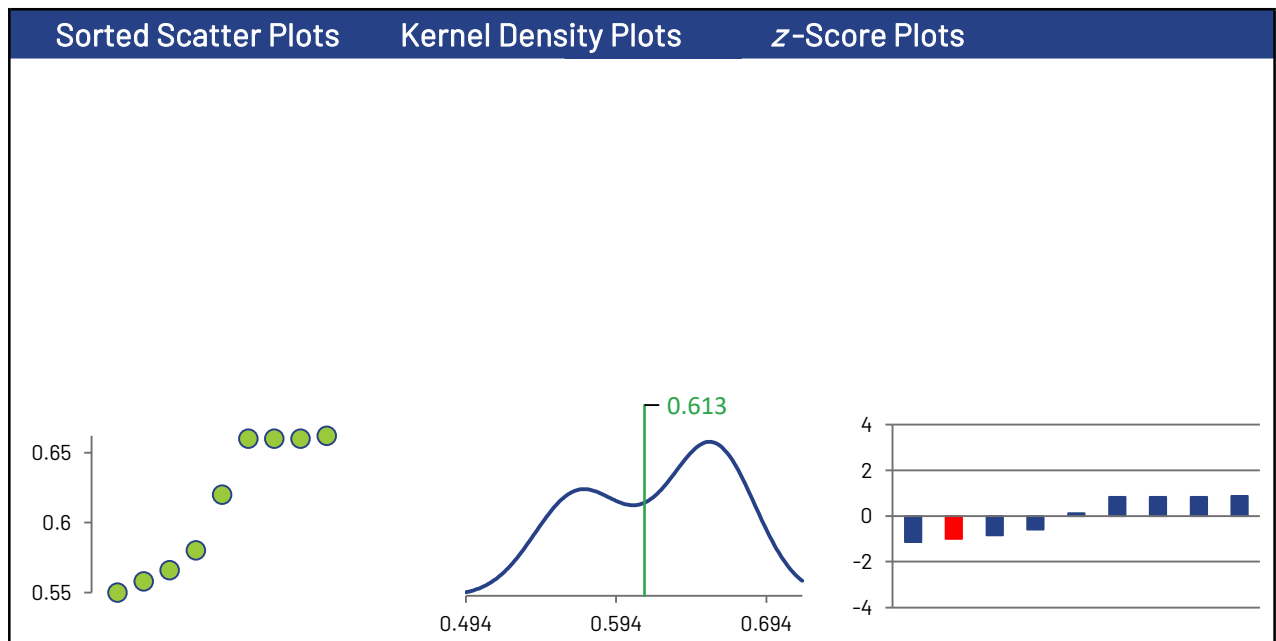
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.620		
Robust Mean µg/g		0.613		
Uncertainty of the Assigned Value µg/g		0.0233		
Robust Standard Deviation µg/g		0.0558		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0558		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

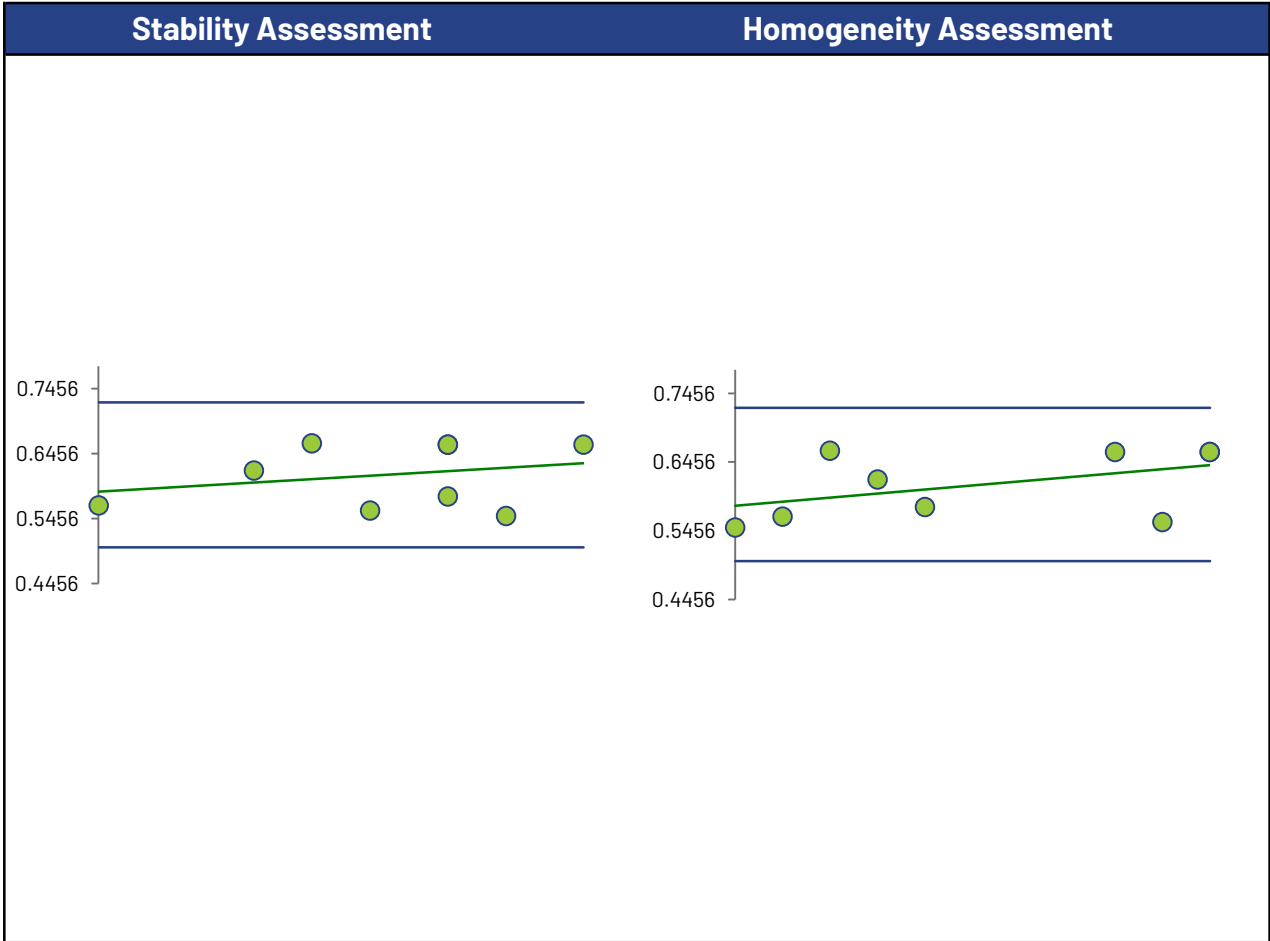
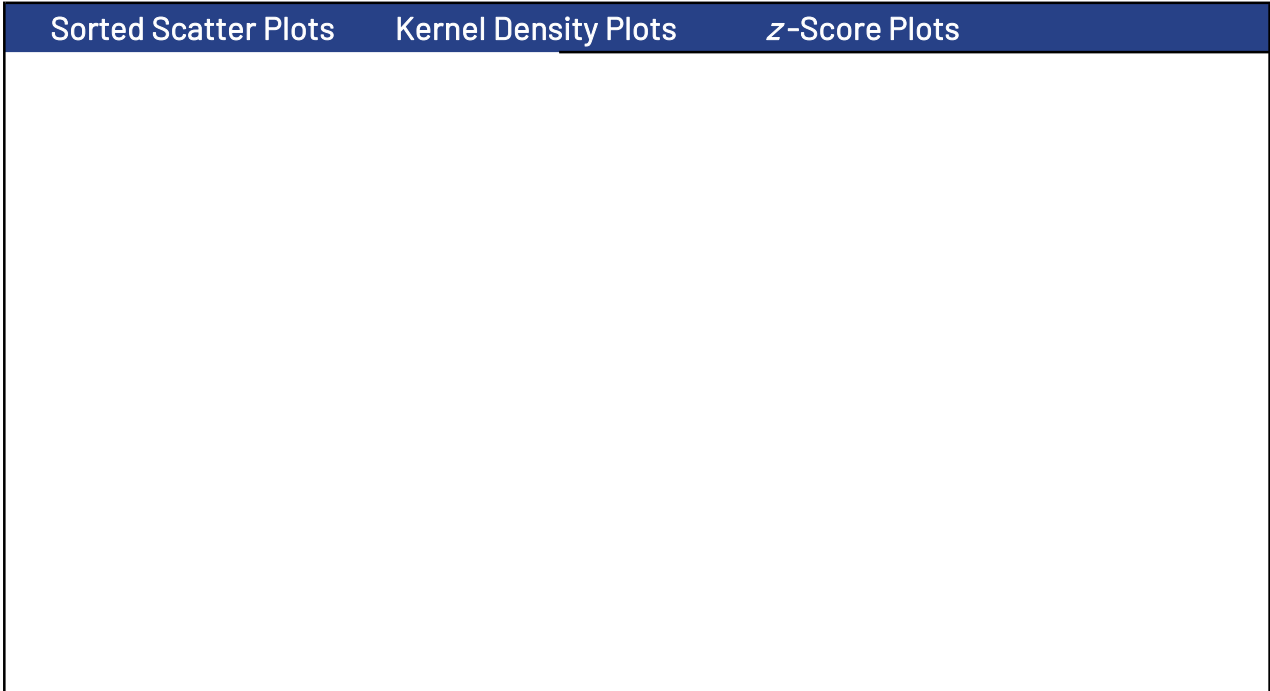
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

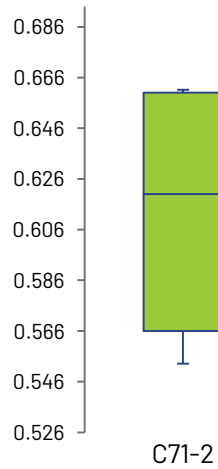
# Dimethoate



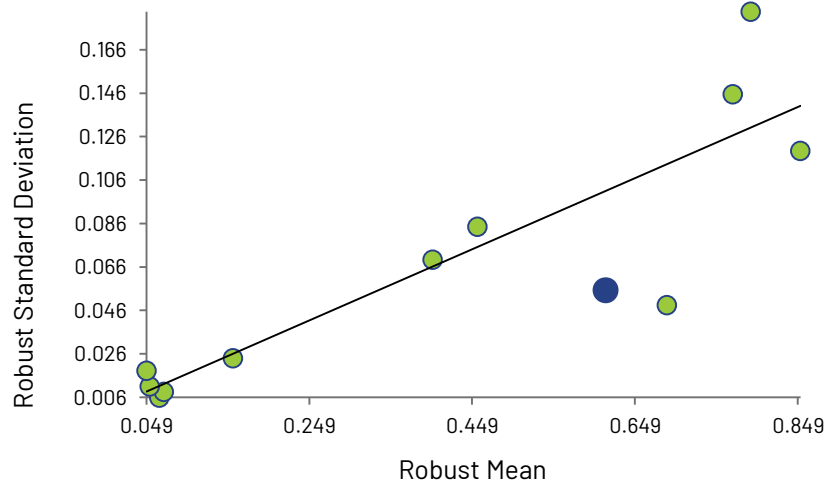
## Dimethoate

	Stability Assessment	Homogeneity Assessment
C71-4		
	<p>Stability assessments are regression analysis of reported result against date of analysis.</p> <p>Homogeneity assessments are regression analysis of reported result against bottling order.</p>	

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Ethoprophos

### Summary Statistics

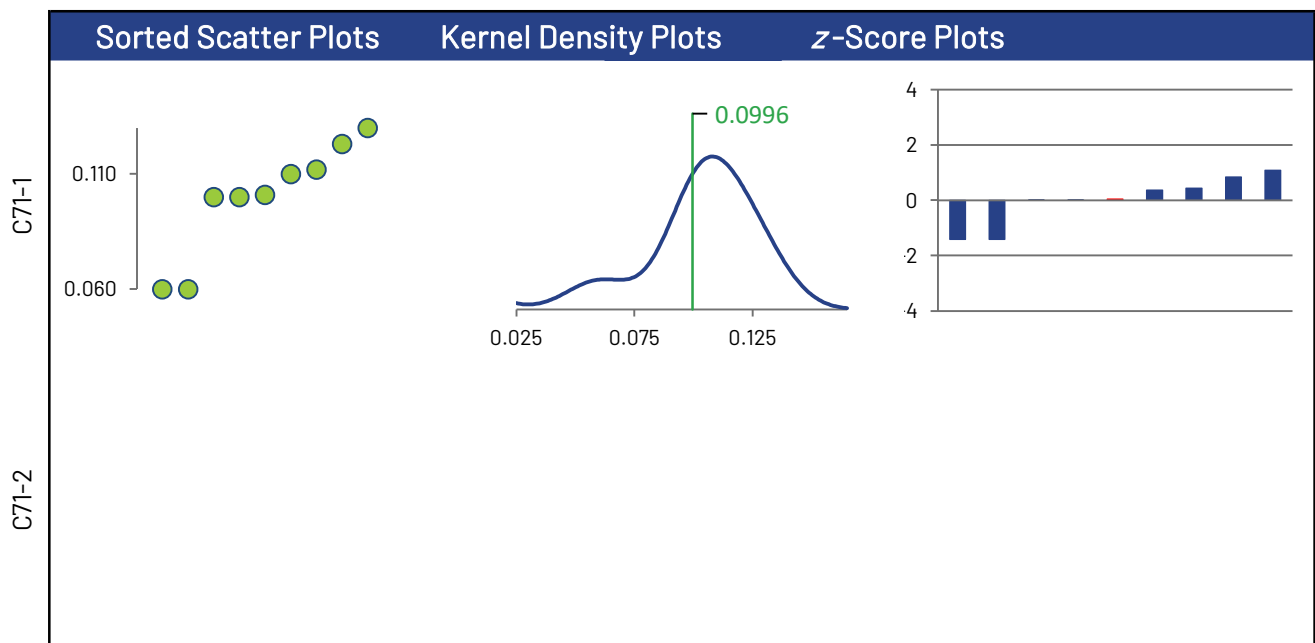
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.101			
Robust Mean µg/g	0.0996			
Uncertainty of the Assigned Value µg/g	0.0117			
Robust Standard Deviation µg/g	0.0280			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.0280			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

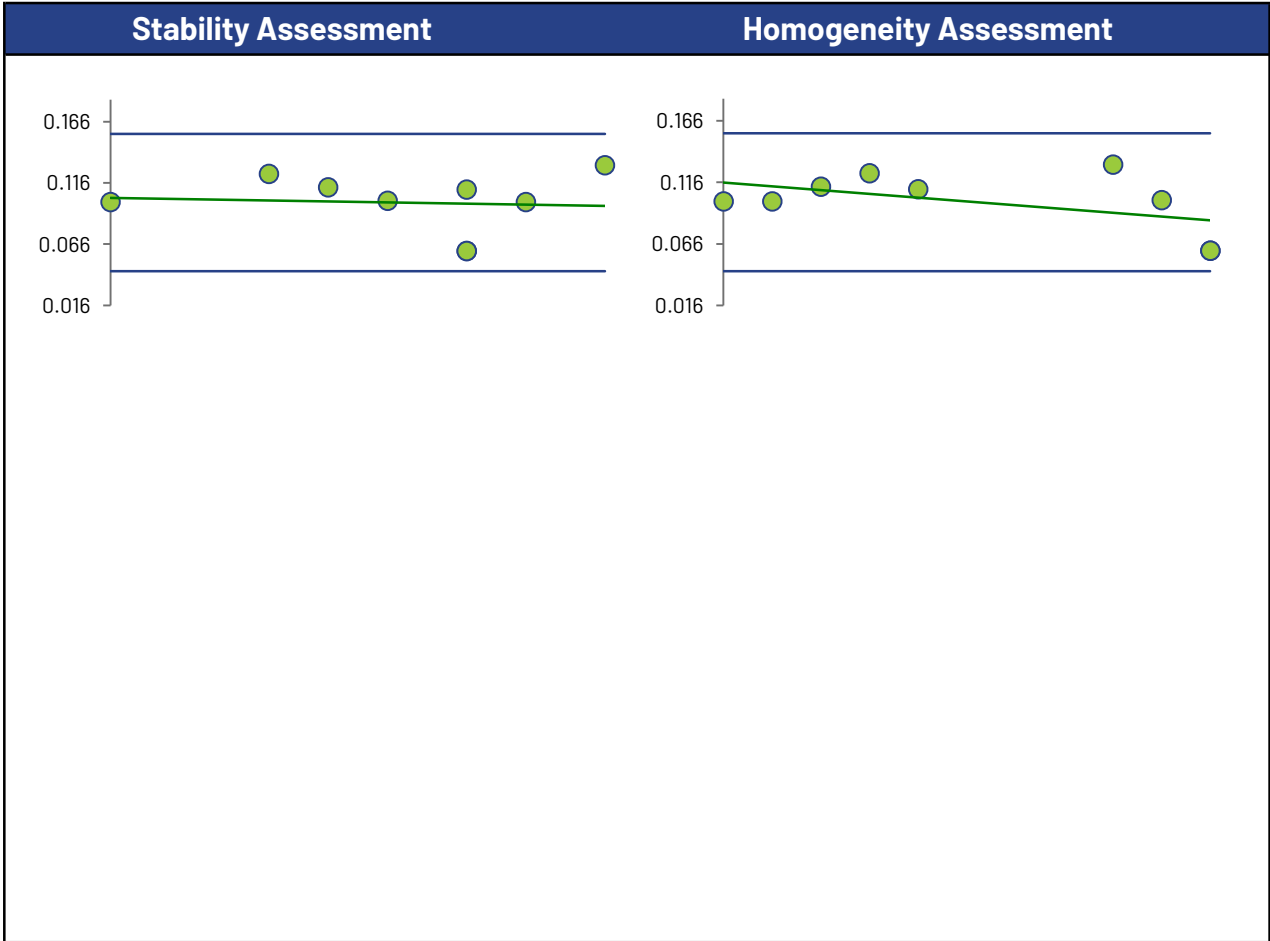
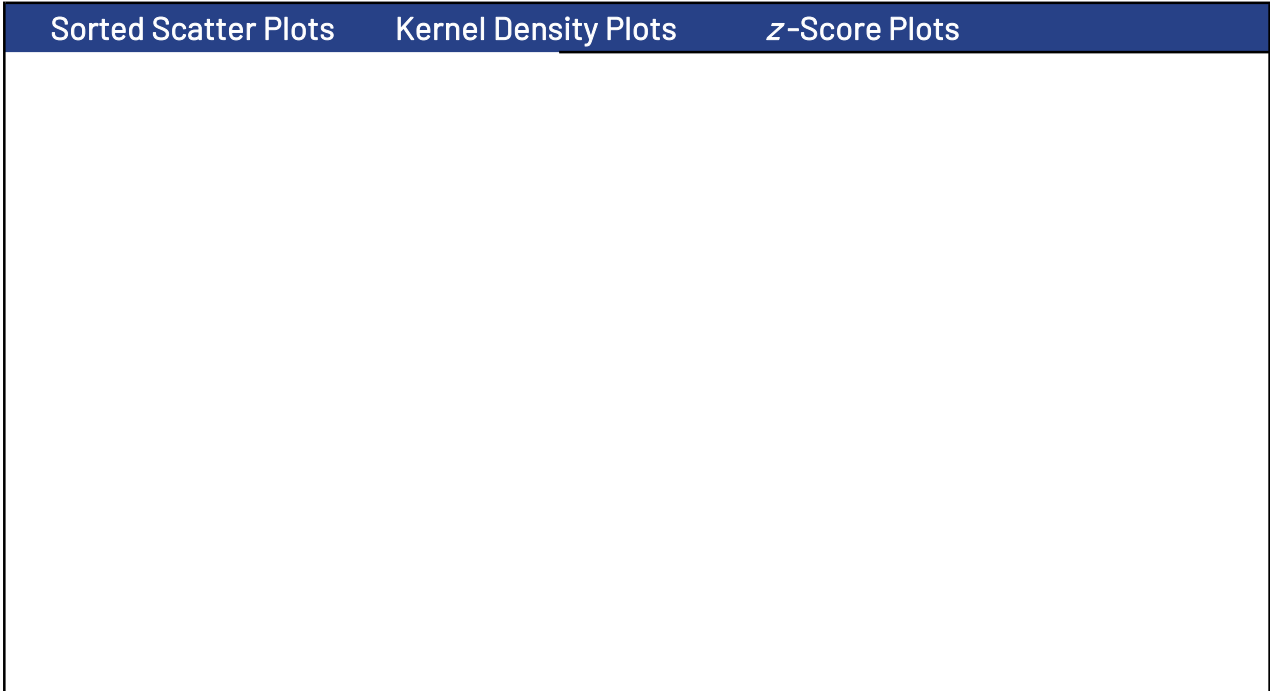
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

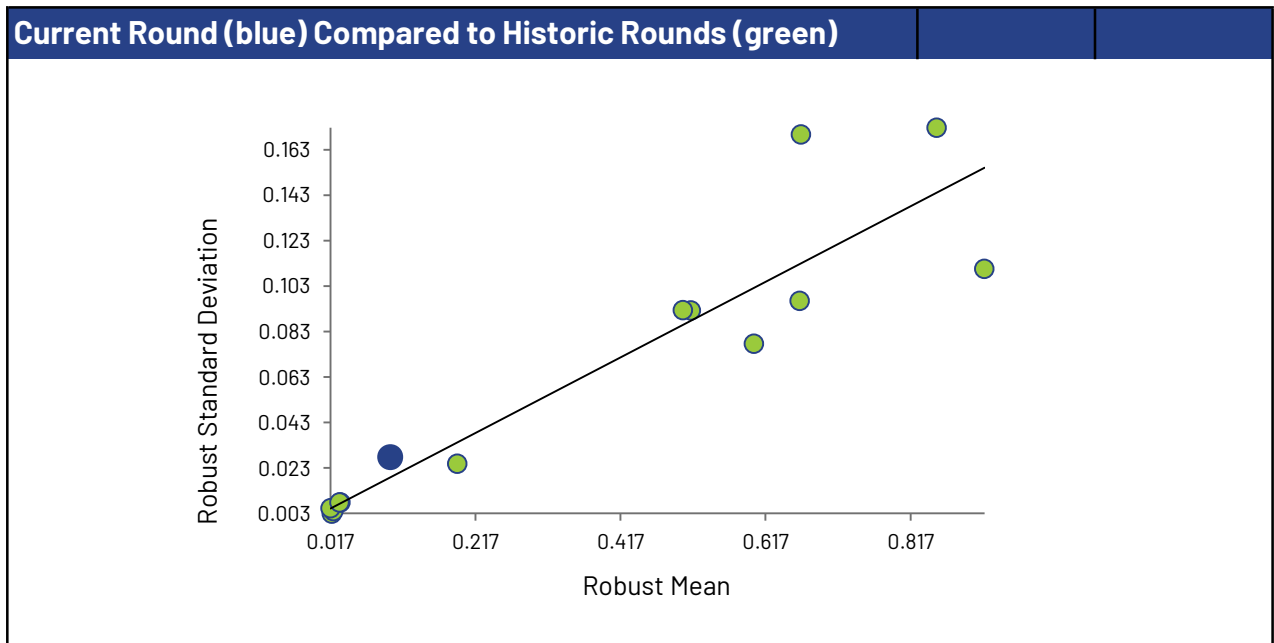
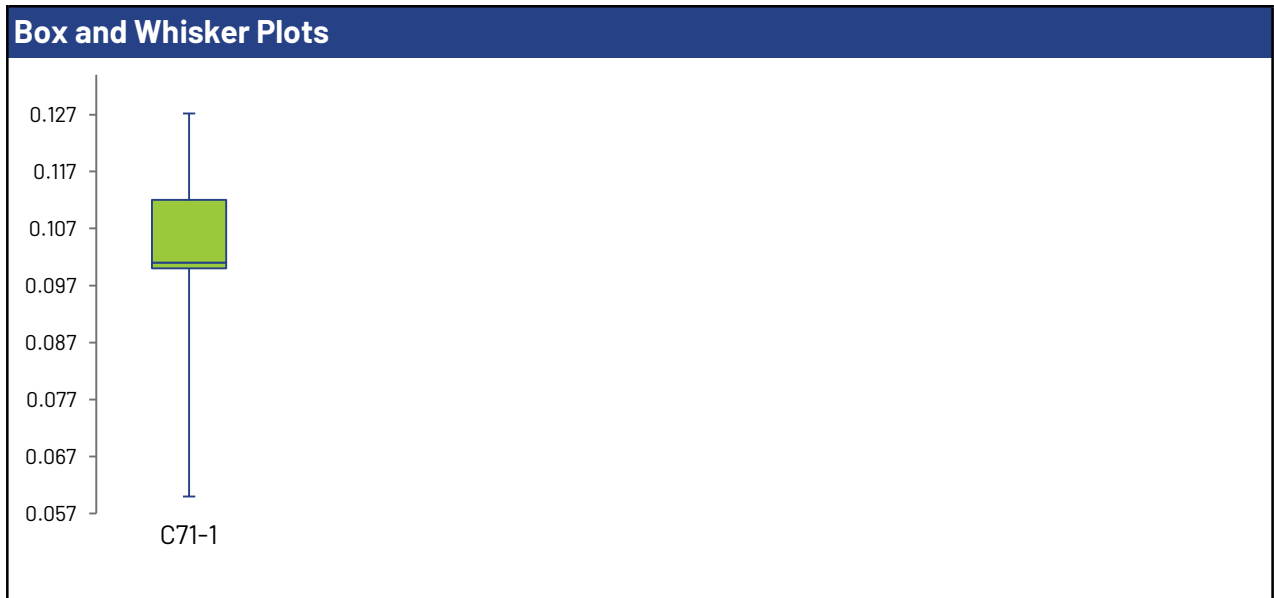
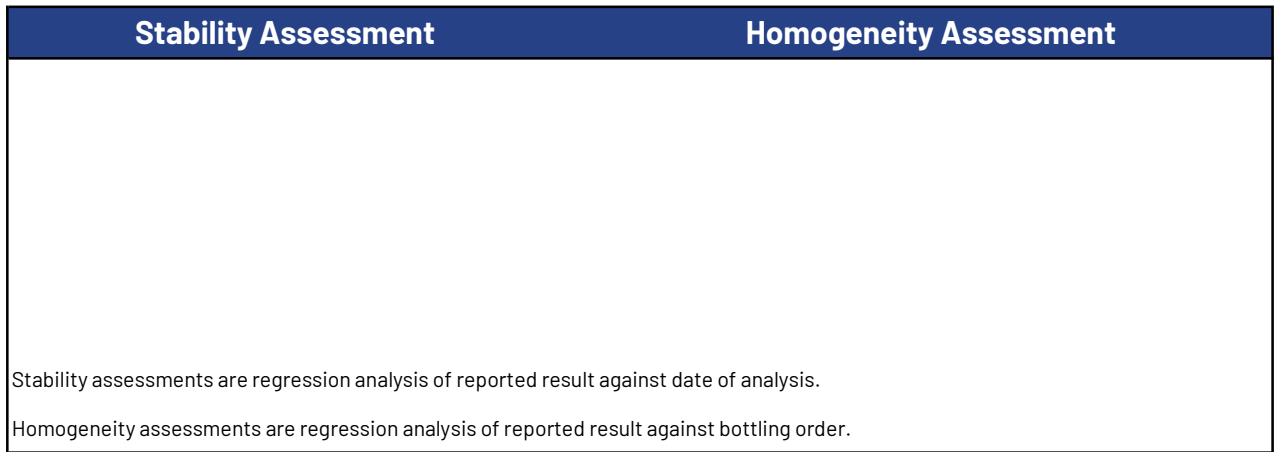


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Ethoprophos



## Ethoprophos



## Etoxazole

### Summary Statistics

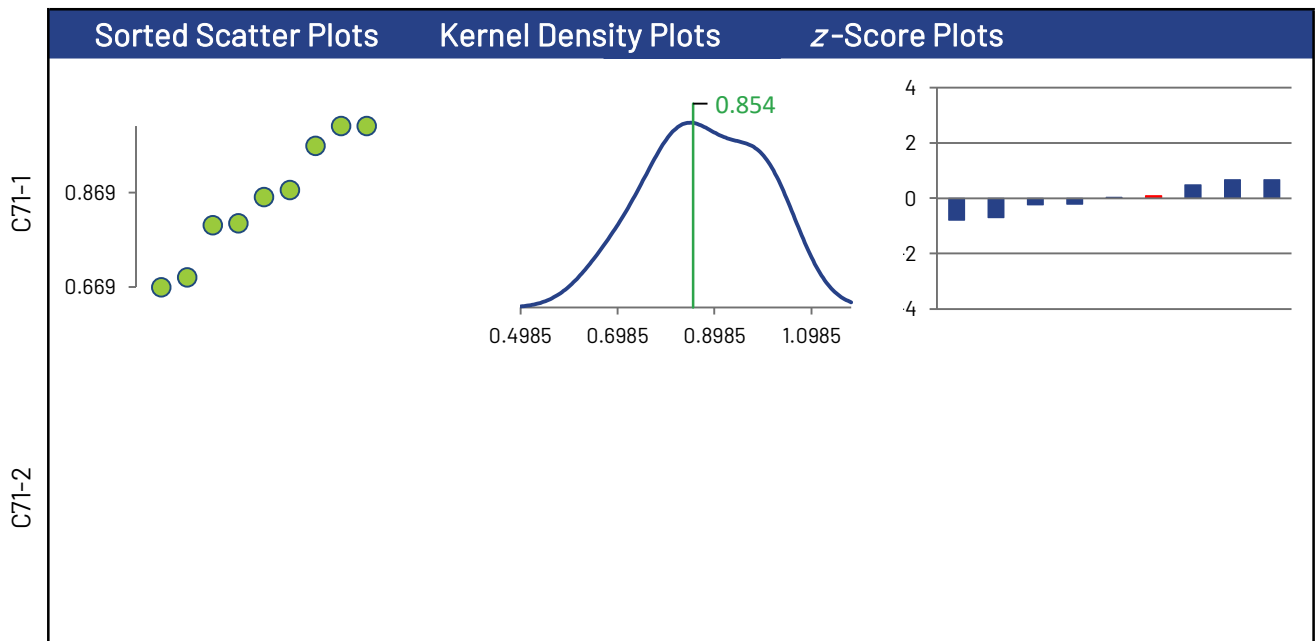
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.860			
Robust Mean µg/g	0.854			
Uncertainty of the Assigned Value µg/g	0.0600			
Robust Standard Deviation µg/g	0.144			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag	<b>Homogeneity</b>			
Standard Deviation Used (SDPA) µg/g	0.234			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

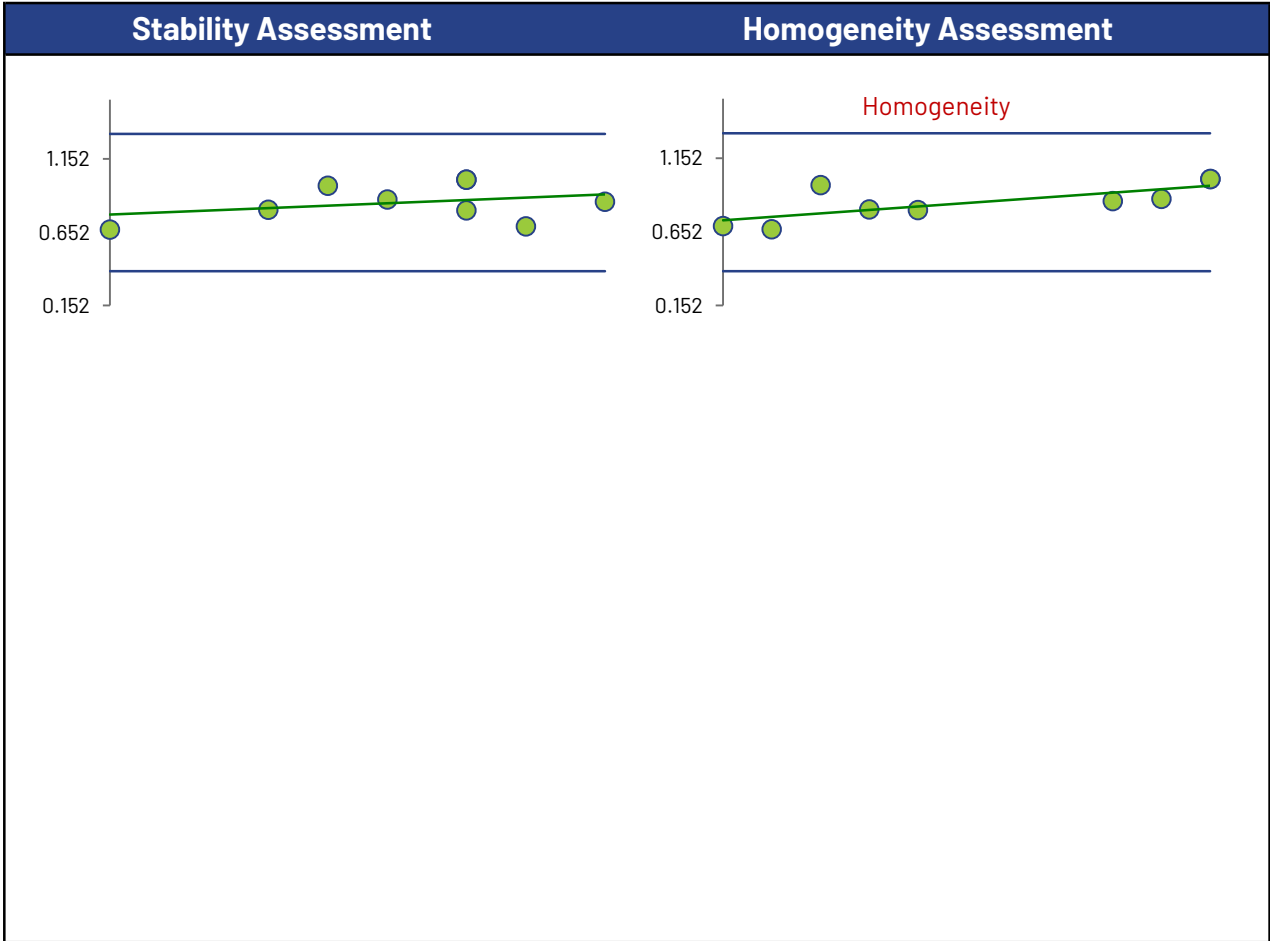
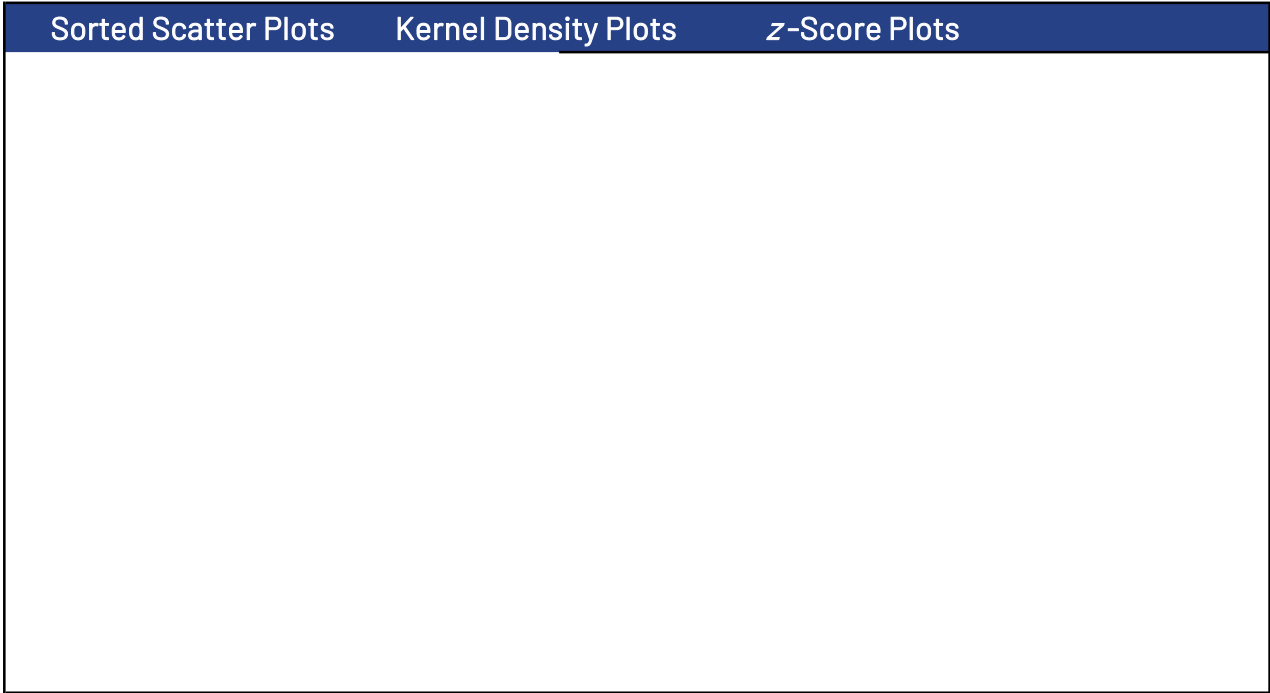
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

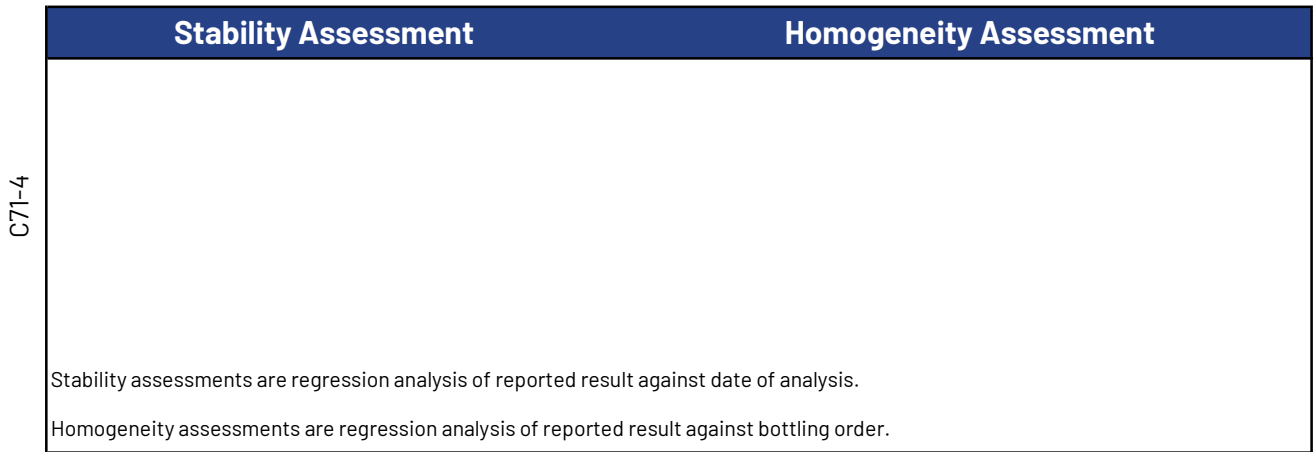


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

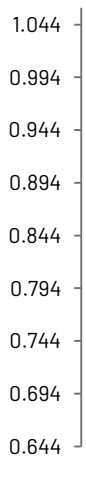
# Etoxazole



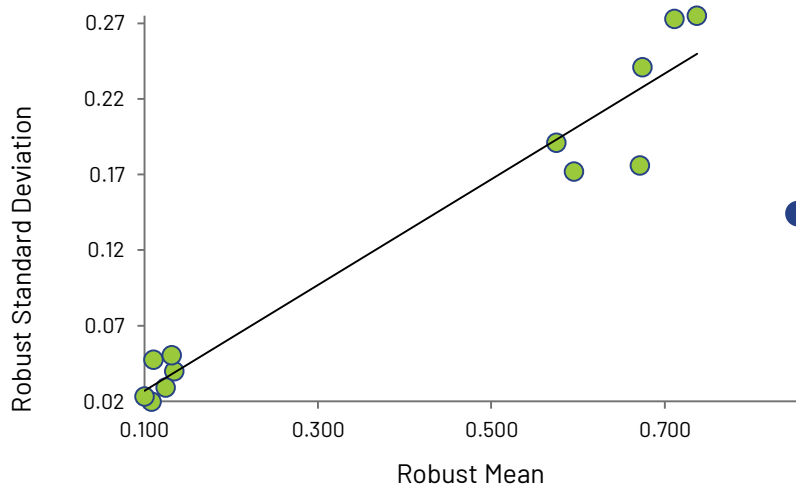
## Etoxazole



### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Fipronil

### Summary Statistics

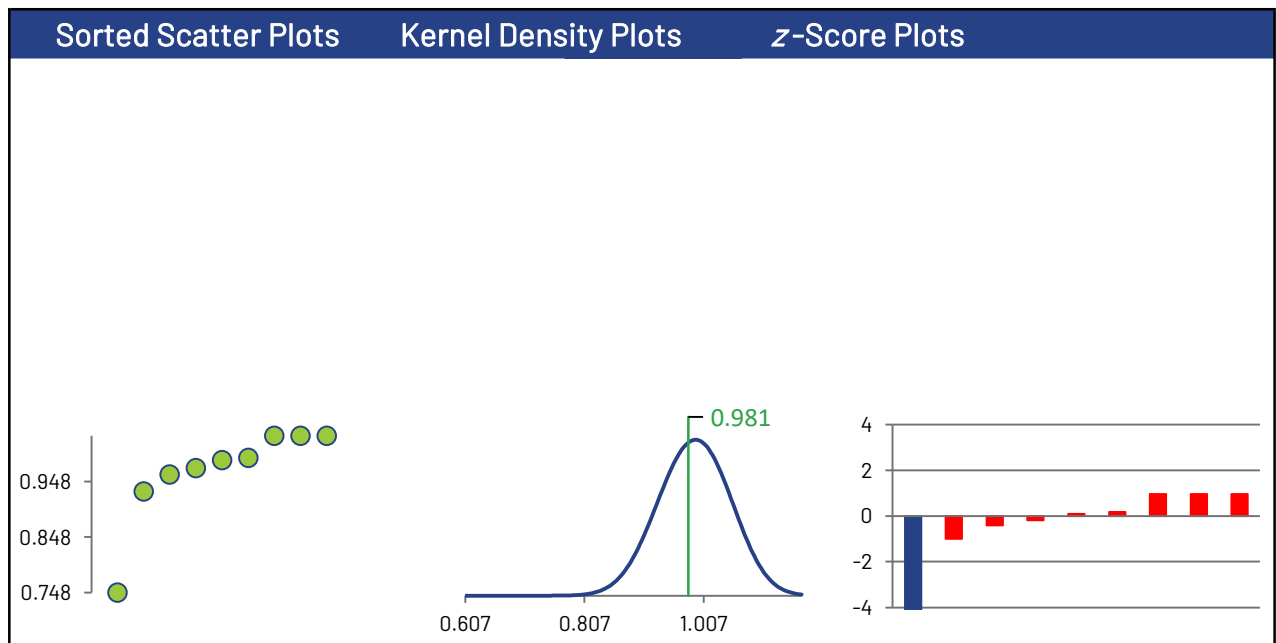
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.986		
Robust Mean µg/g		0.981		
Uncertainty of the Assigned Value µg/g		0.0213		
Robust Standard Deviation µg/g		0.0511		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0511		
Flagged Outliers	0	0	0	0
z >3.0	0	1	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

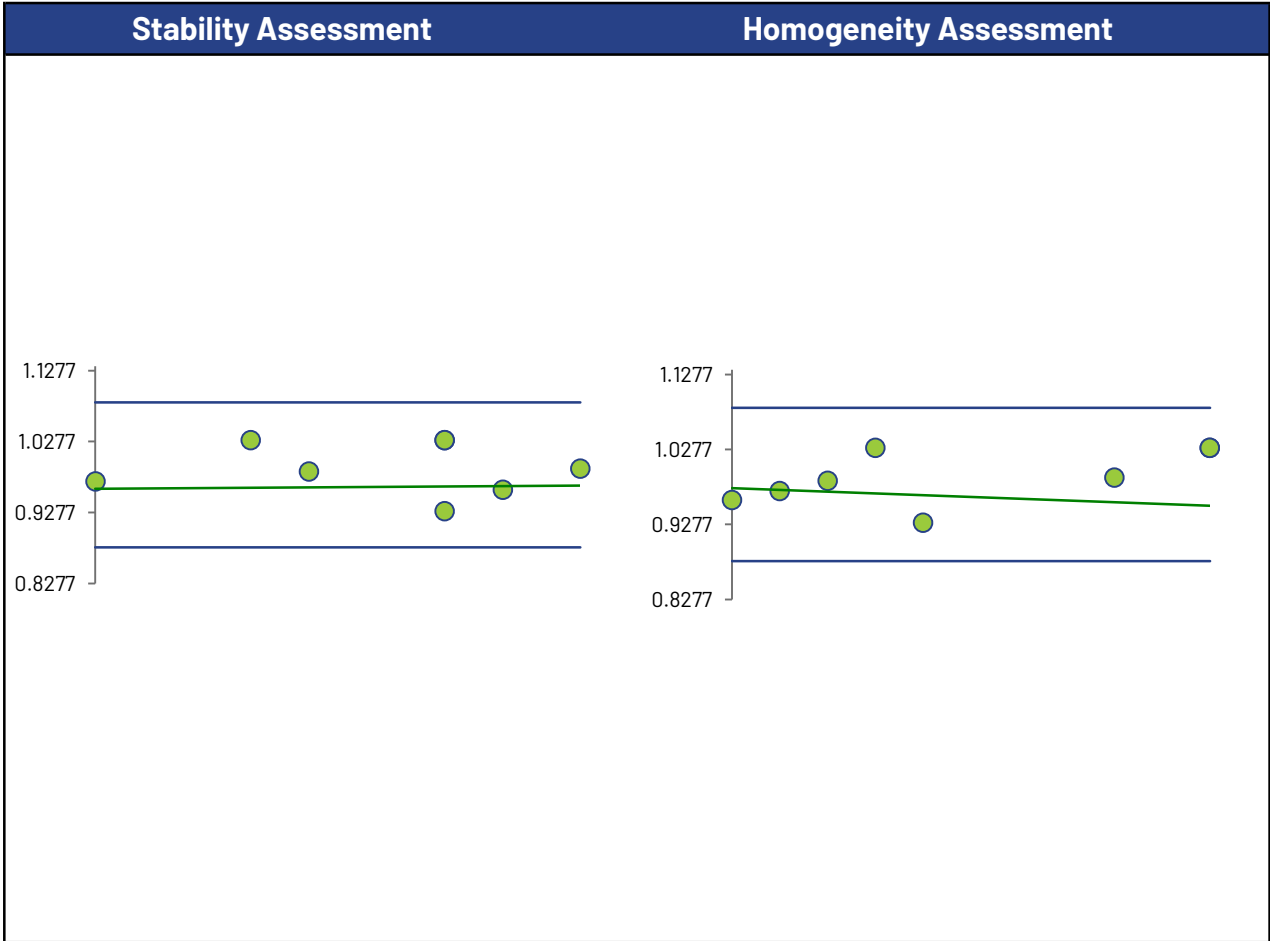
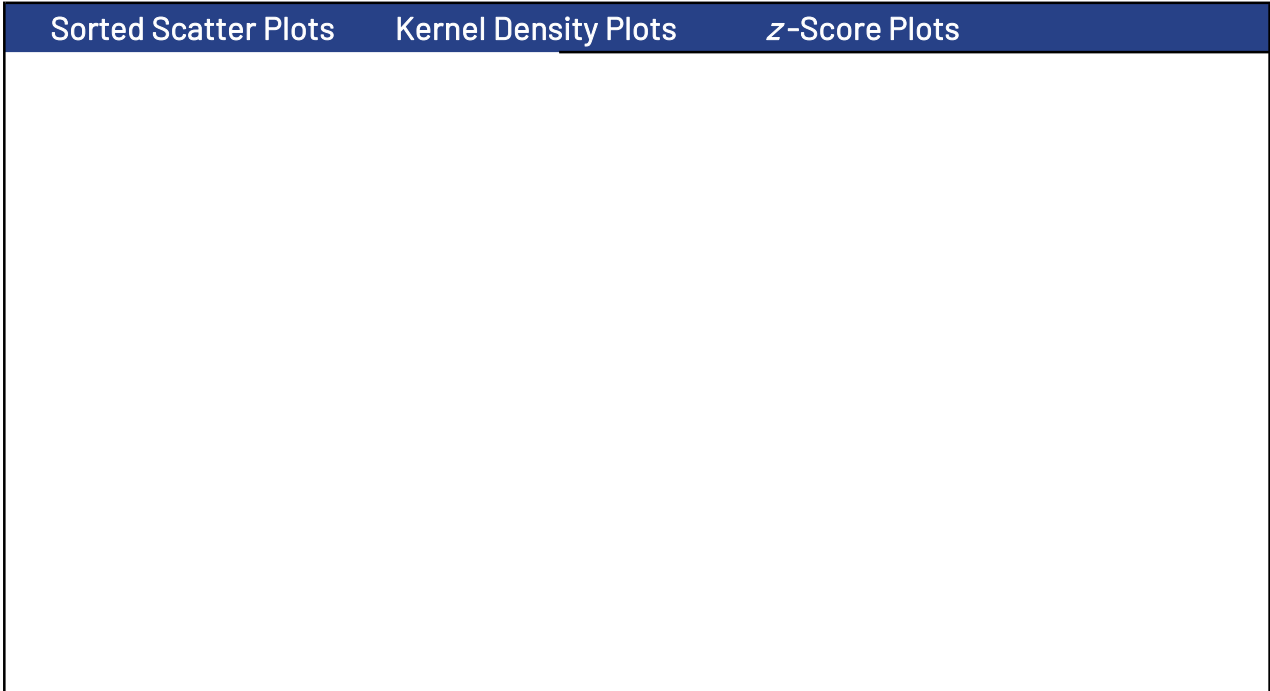
Method	C71-1	C71-2	C71-3	C71-4
LC/MS(Blue)	0	1	0	0
LC-MS/MS(Red)	0	8	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

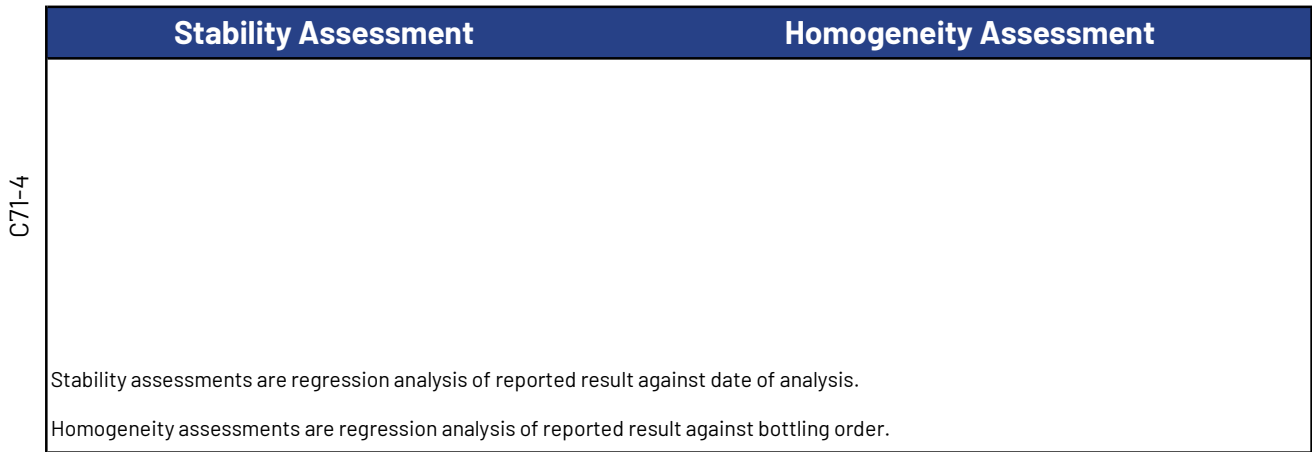


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

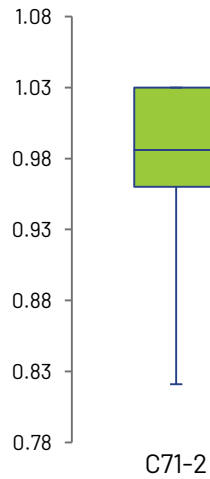
# Fipronil



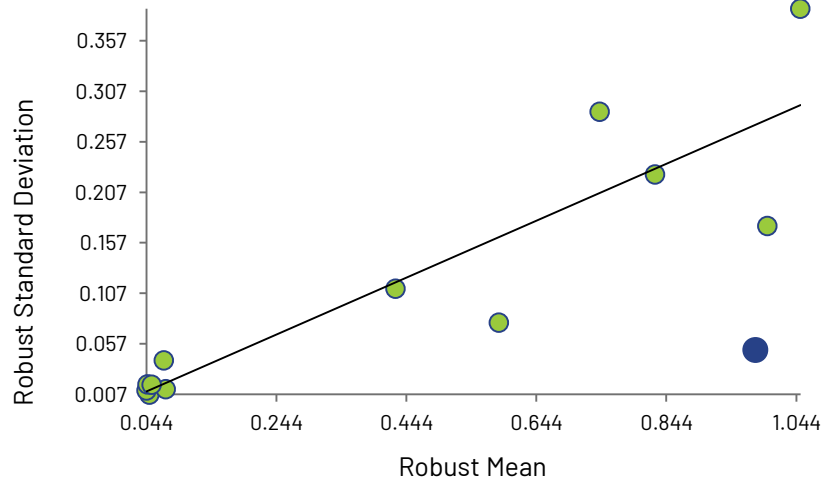
## Fipronil



### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Fludioxonil

### Summary Statistics

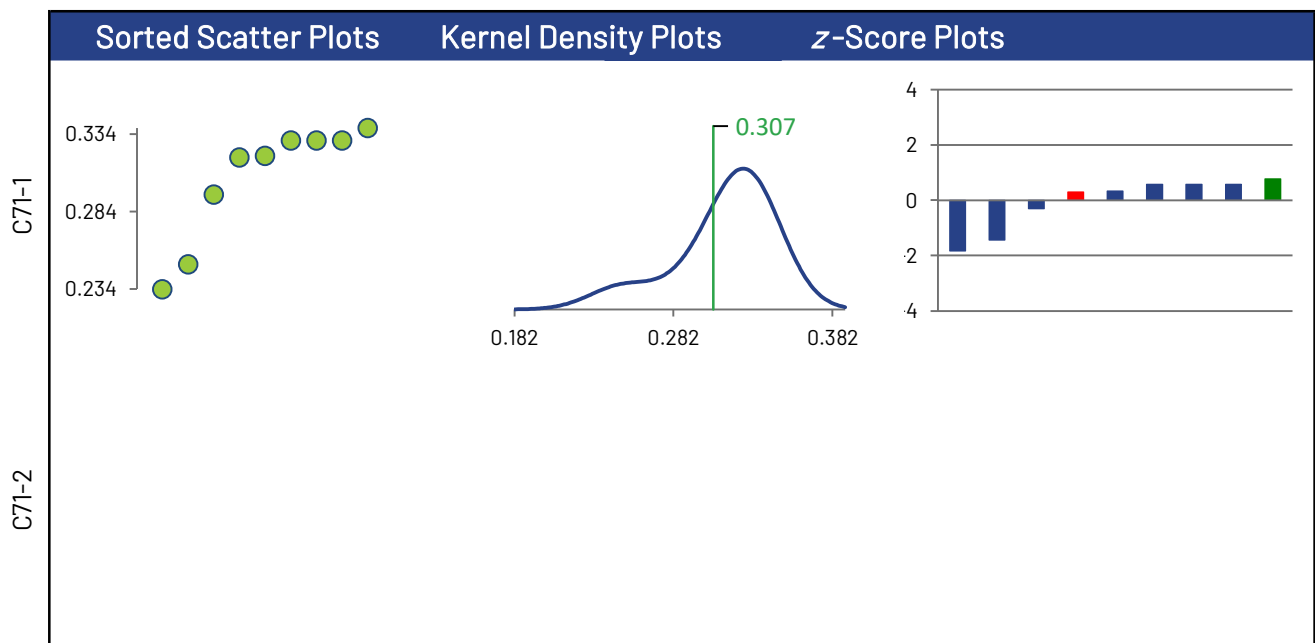
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.320			
Robust Mean µg/g	0.307			
Uncertainty of the Assigned Value µg/g	0.0166			
Robust Standard Deviation µg/g	0.0399			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.0399			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

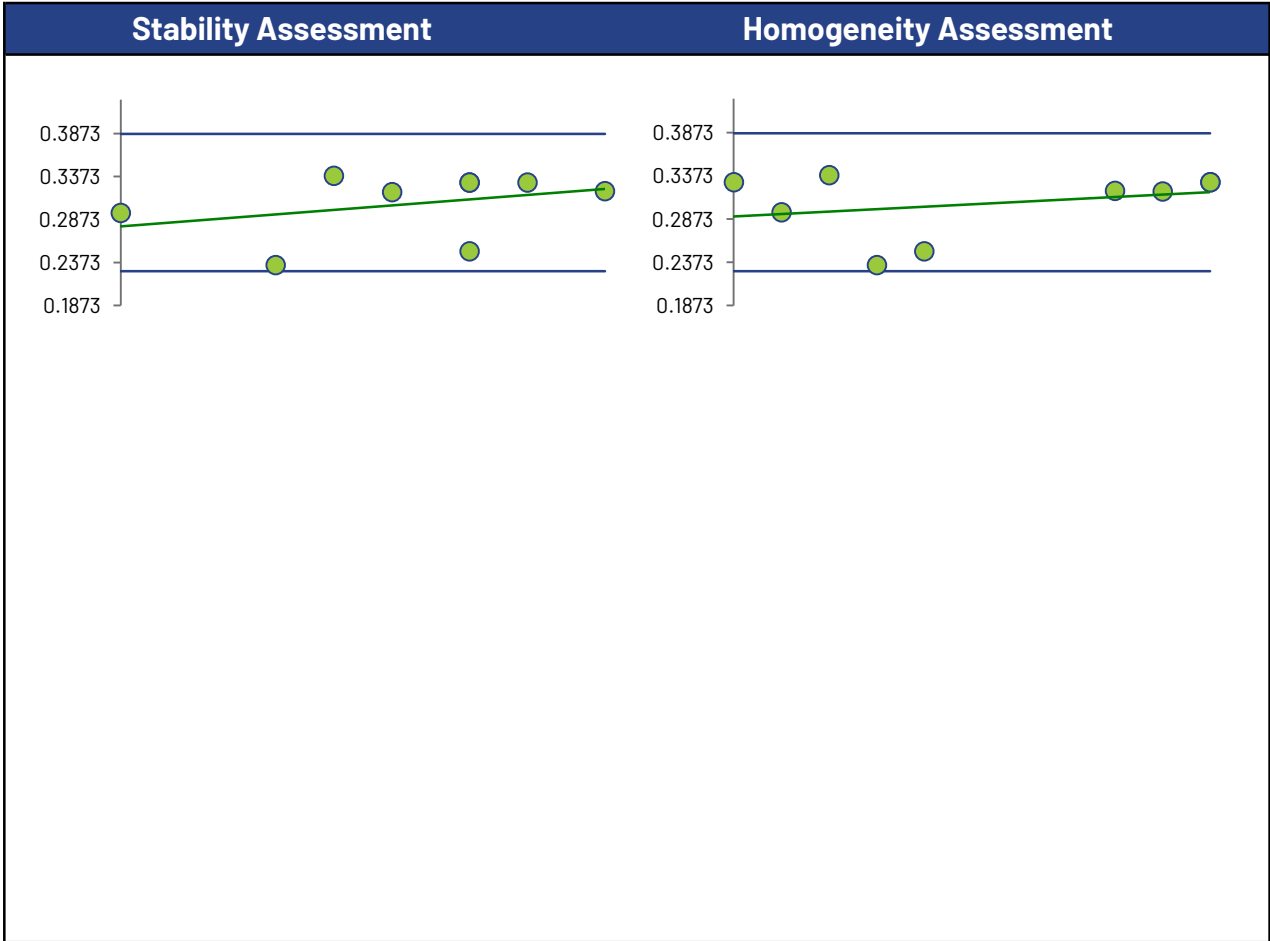
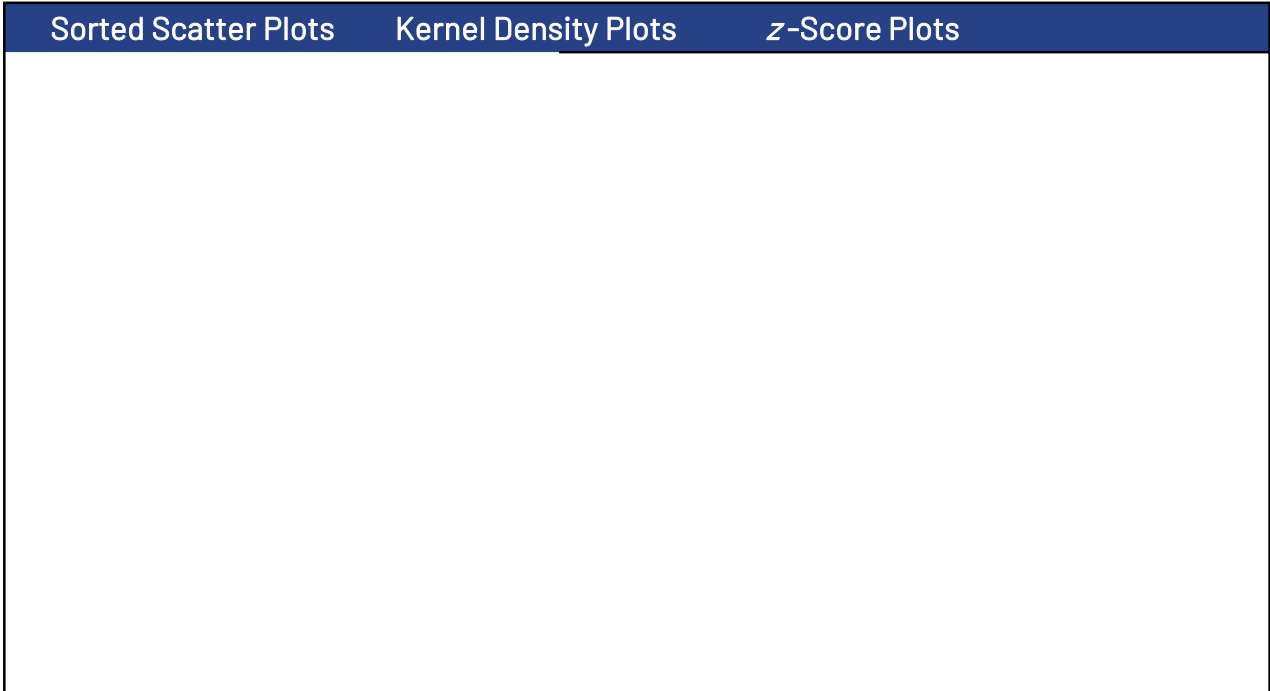
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	7	0	0	0
LC/MS (Red)	1	0	0	0
GC/MS/MS (Green)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

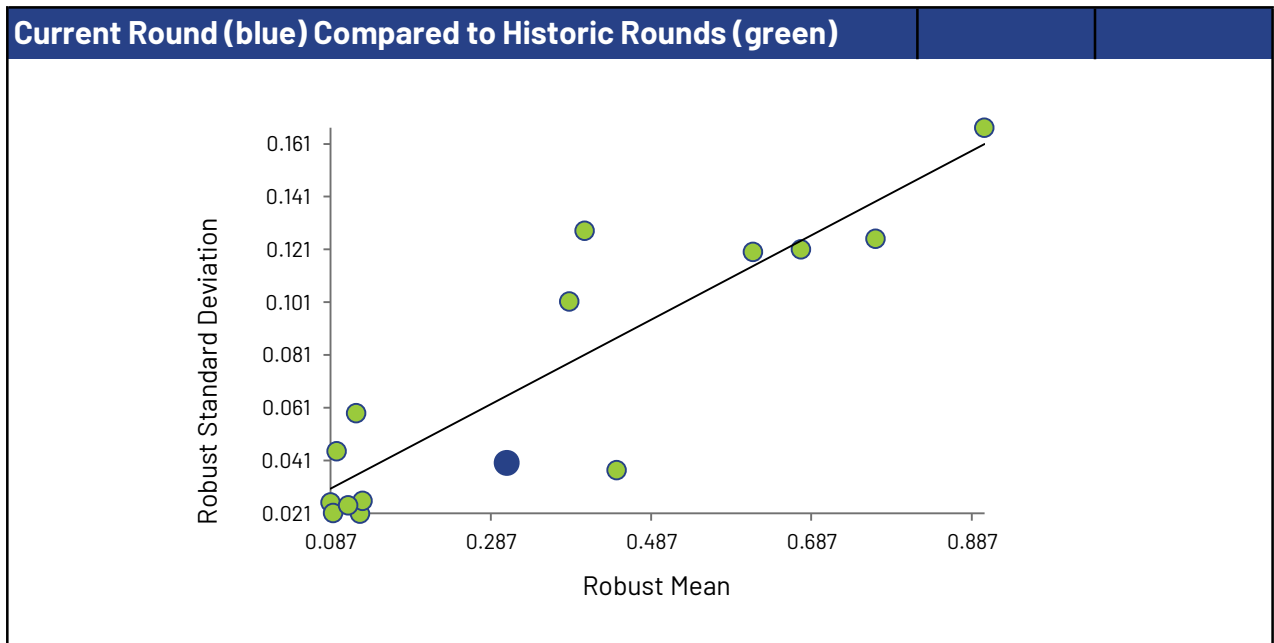
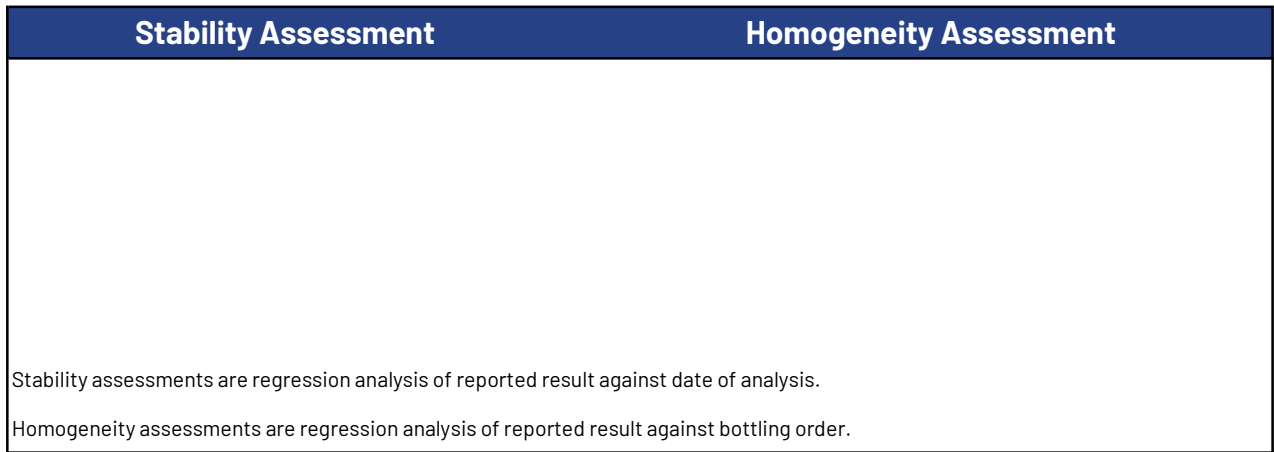


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Fludioxonil



## Fludioxonil



## Imidacloprid

### Summary Statistics

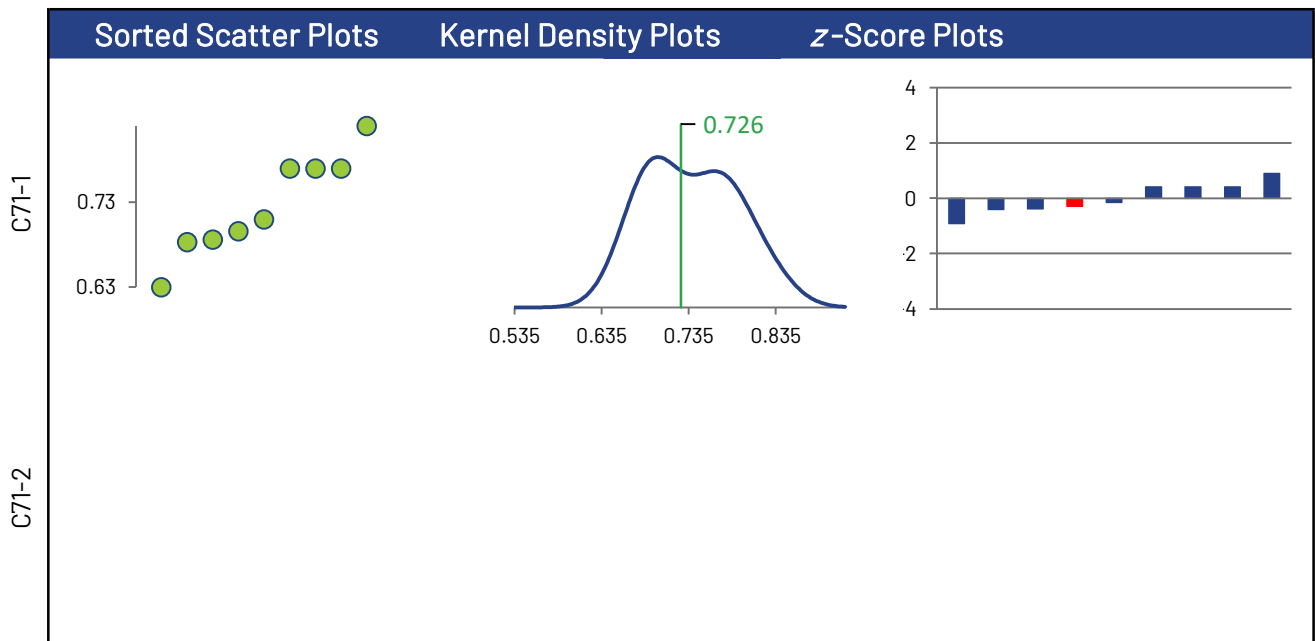
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.710			
Robust Mean µg/g	0.726			
Uncertainty of the Assigned Value µg/g	0.0282			
Robust Standard Deviation µg/g	0.0676			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag	<b>Homogeneity</b>			
Standard Deviation Used (SDPA) µg/g	0.105			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

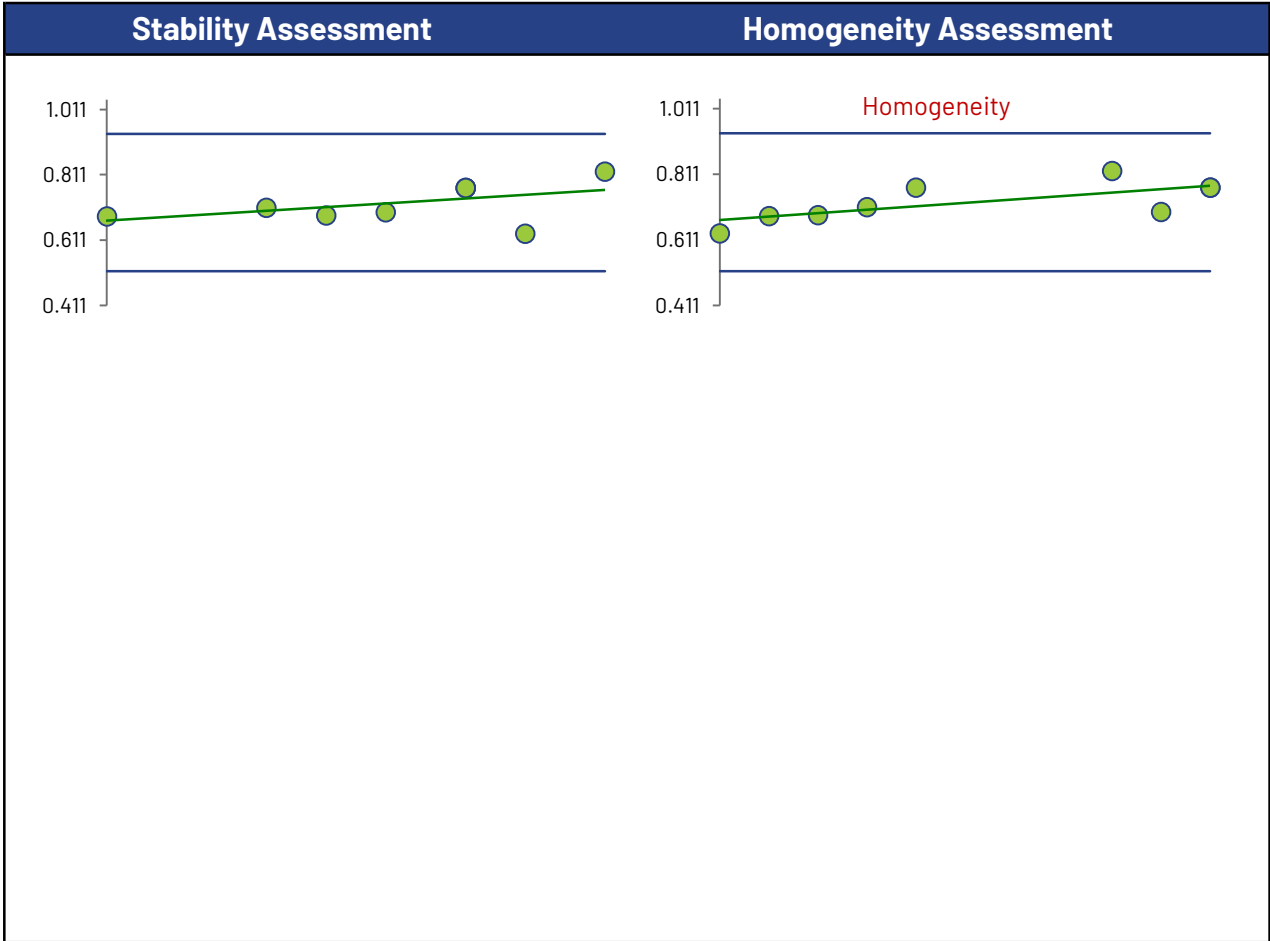
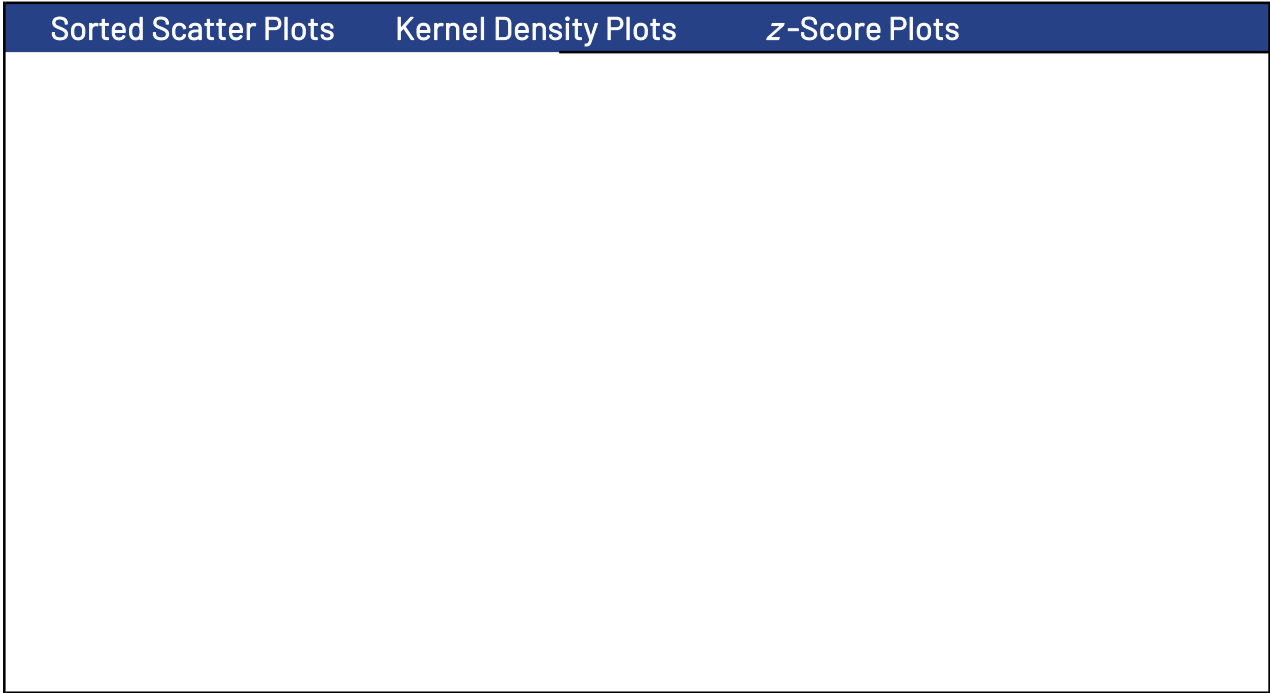
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Imidacloprid





## Malathion

### Summary Statistics

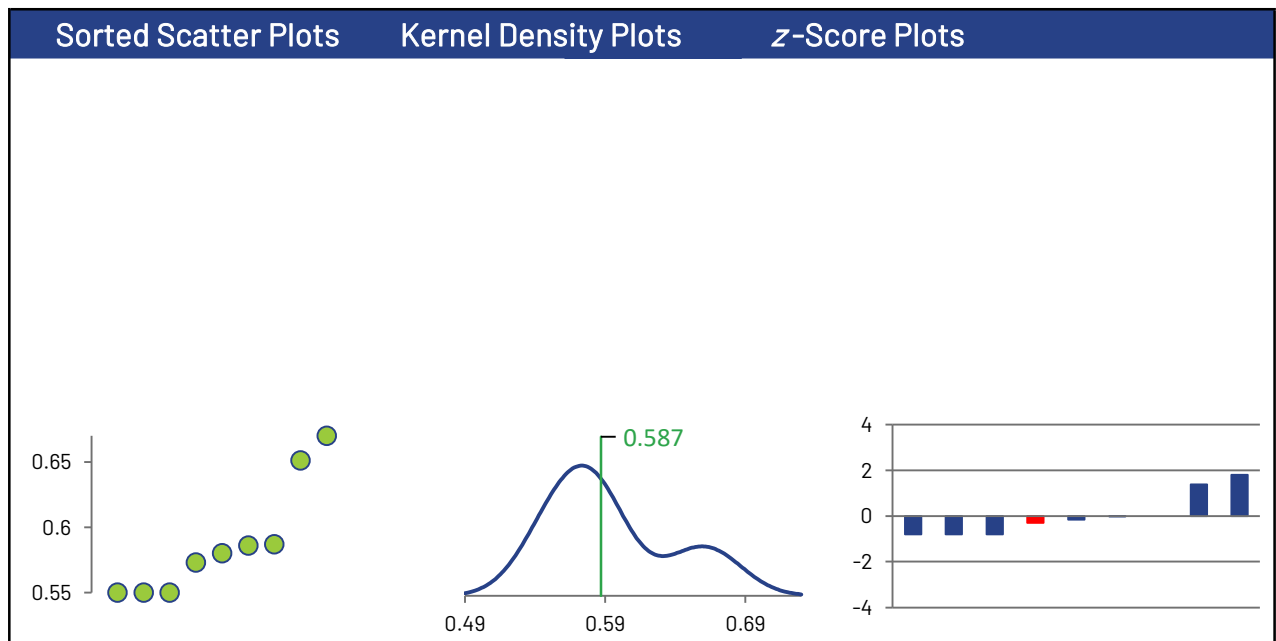
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.580		
Robust Mean µg/g		0.587		
Uncertainty of the Assigned Value µg/g		0.0192		
Robust Standard Deviation µg/g		0.0461		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0461		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

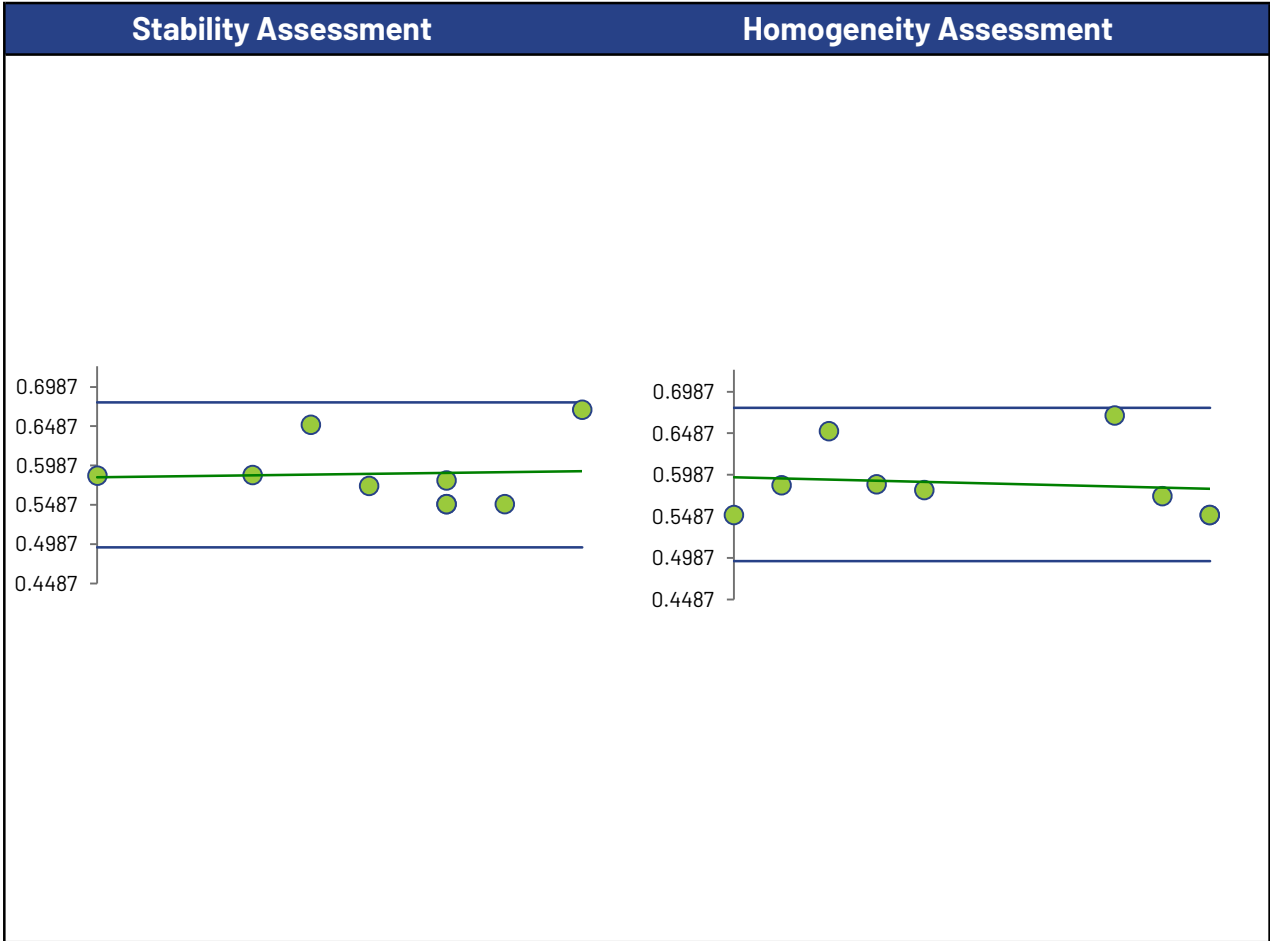
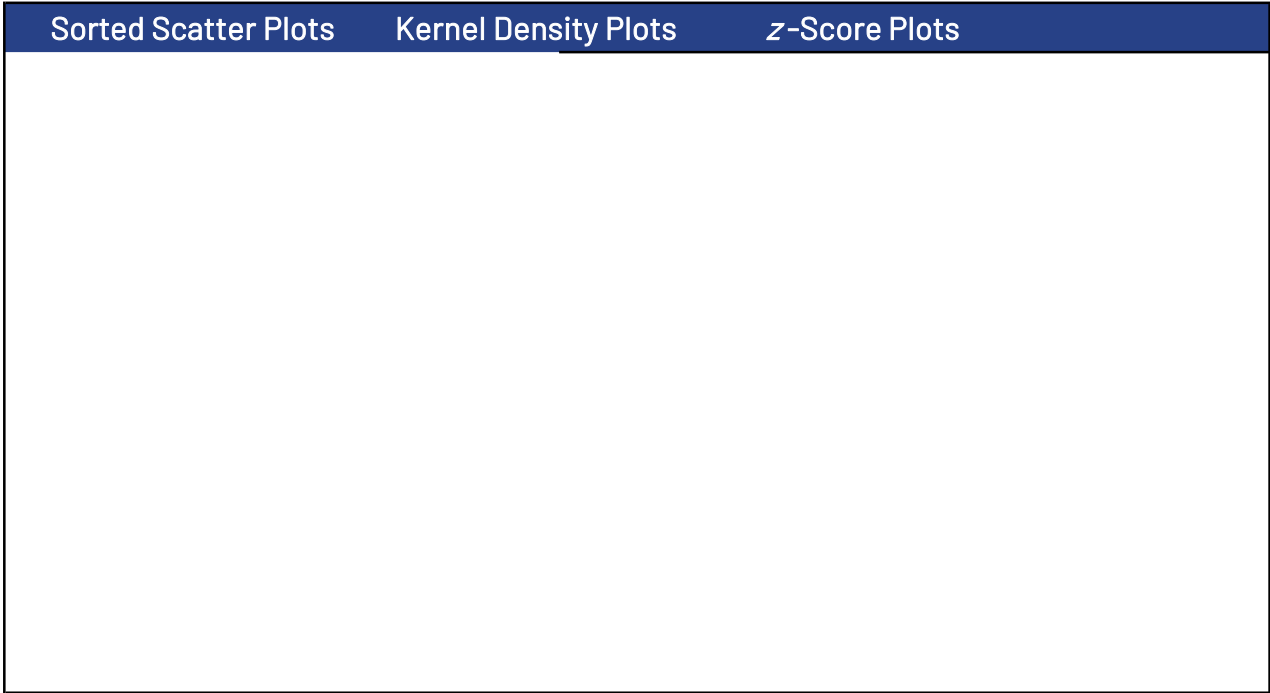
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

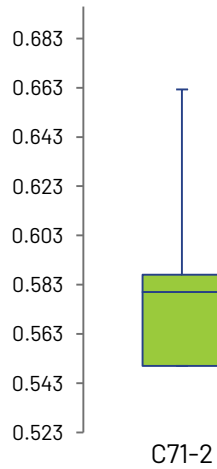
# Malathion



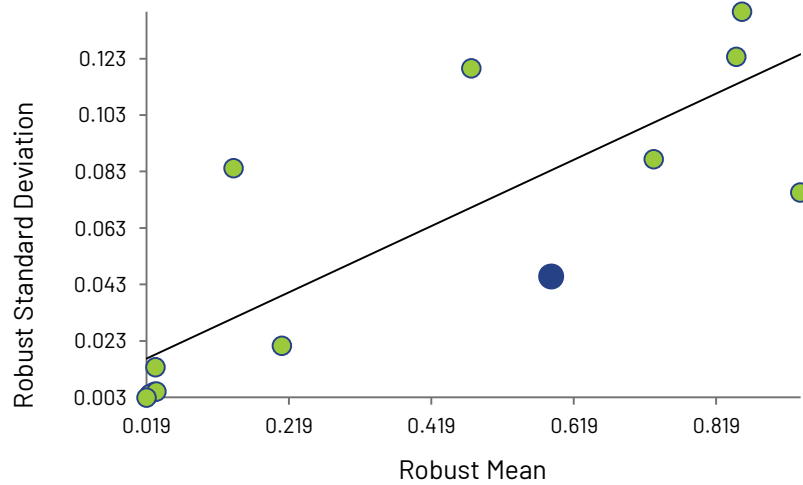
## Malathion

	Stability Assessment	Homogeneity Assessment
C71-4		
	<p>Stability assessments are regression analysis of reported result against date of analysis.</p> <p>Homogeneity assessments are regression analysis of reported result against bottling order.</p>	

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



### Metalaxyl

#### Summary Statistics

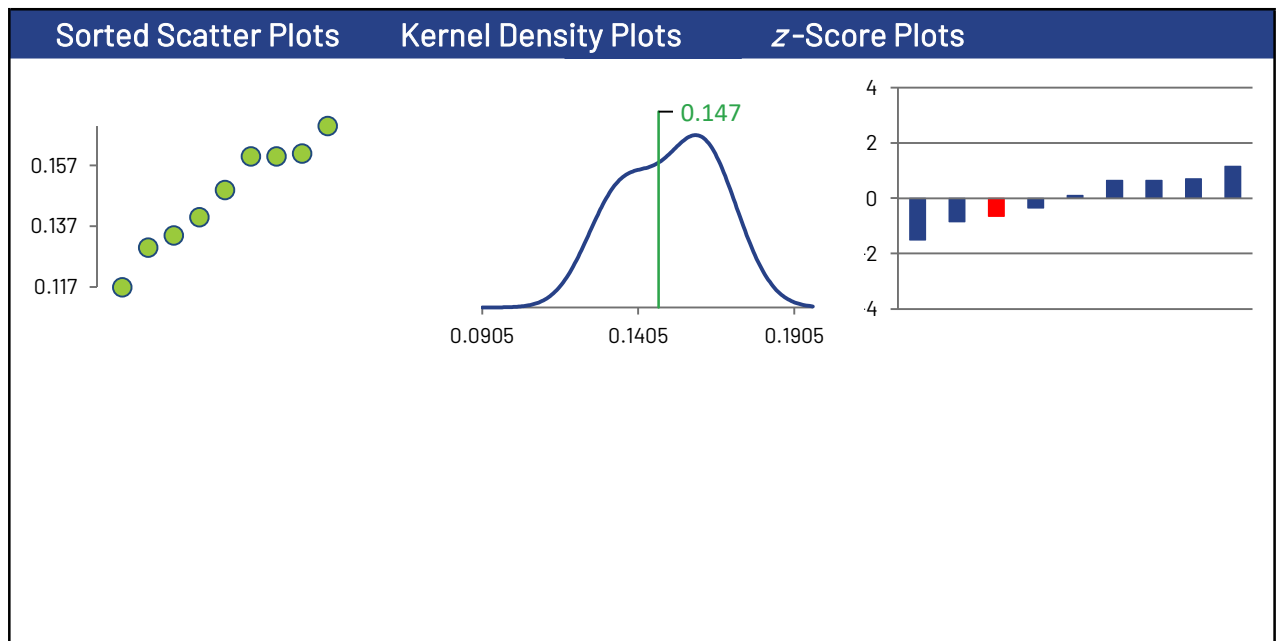
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	0.149			
Robust Mean µg/g	0.147			
Uncertainty of the Assigned Value µg/g	0.00829			
Robust Standard Deviation µg/g	0.0199			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.0199			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

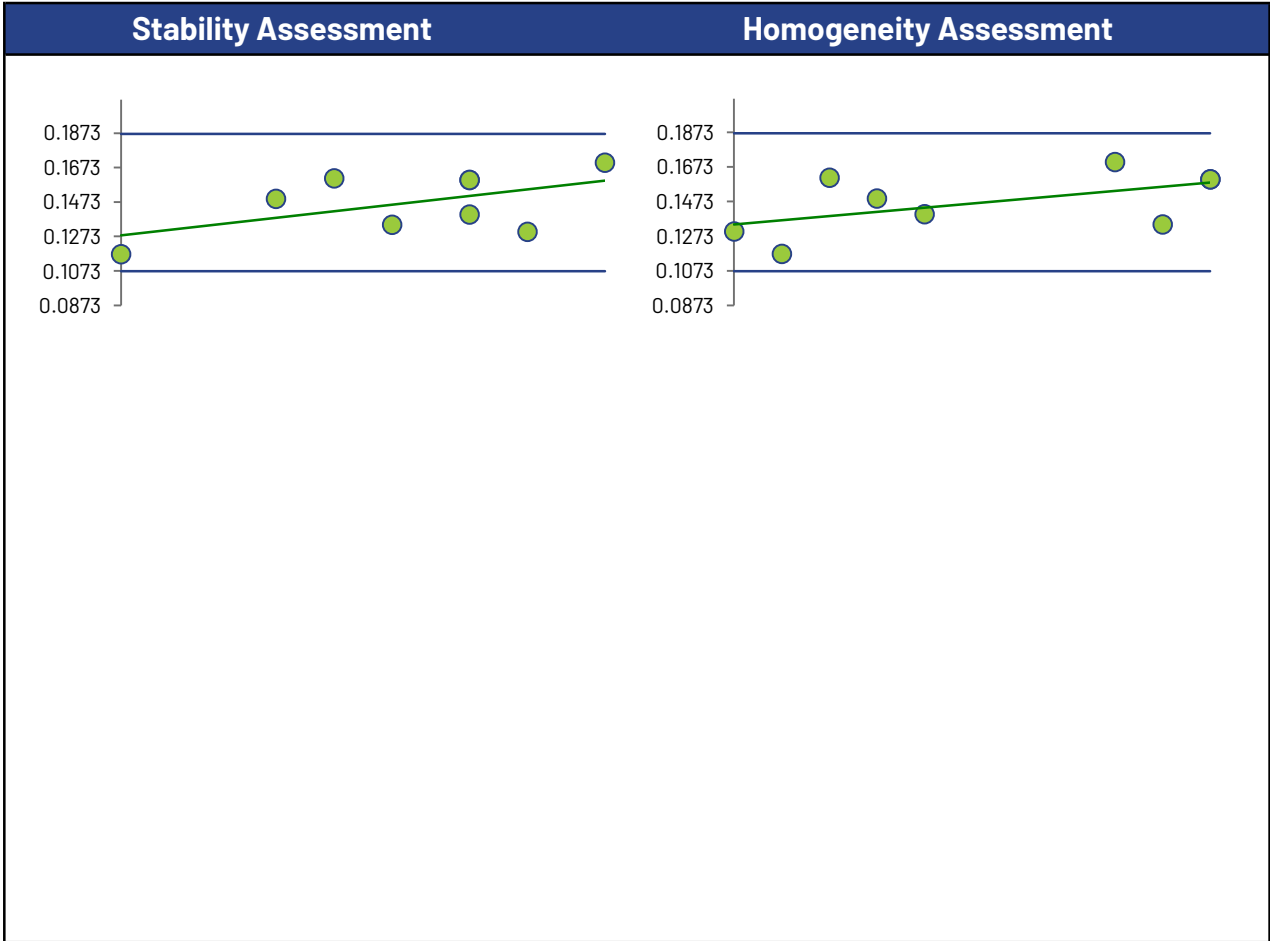
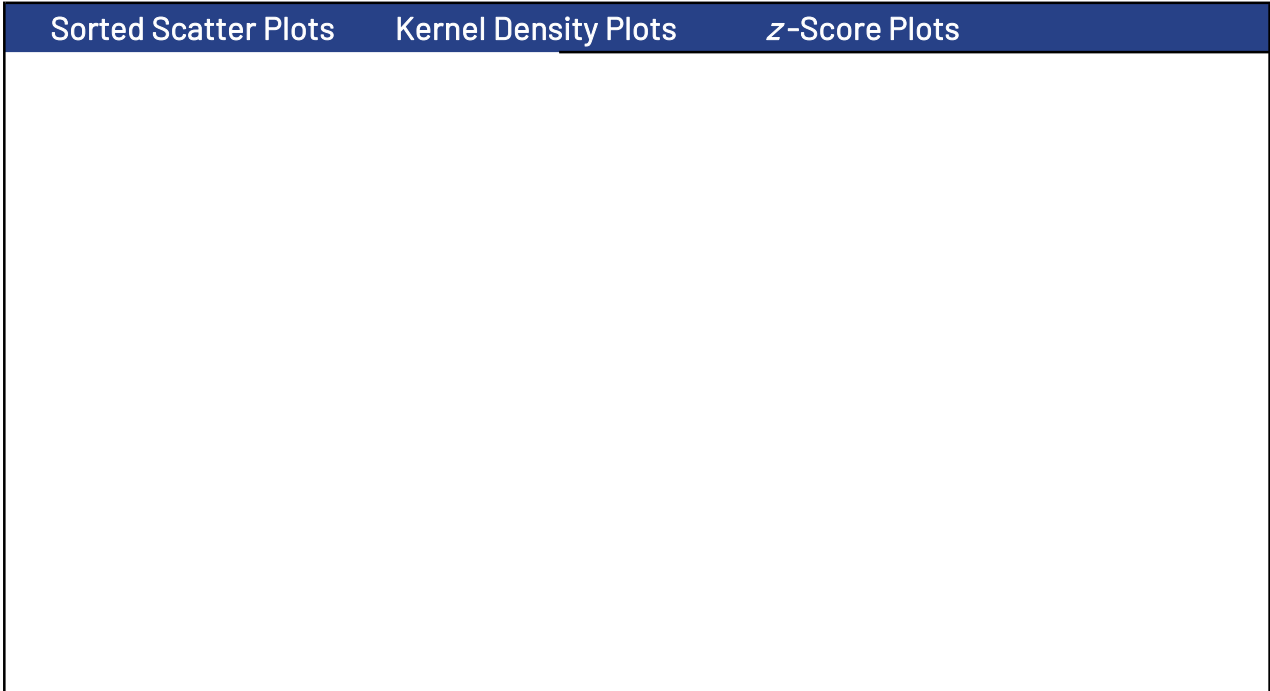
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



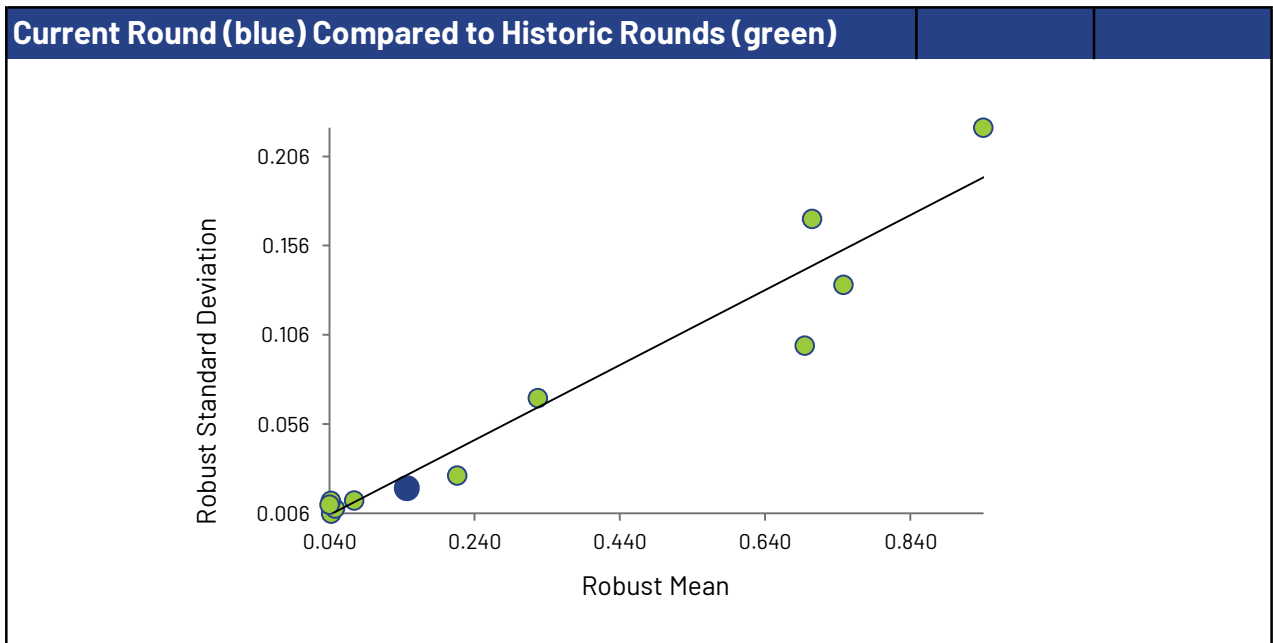
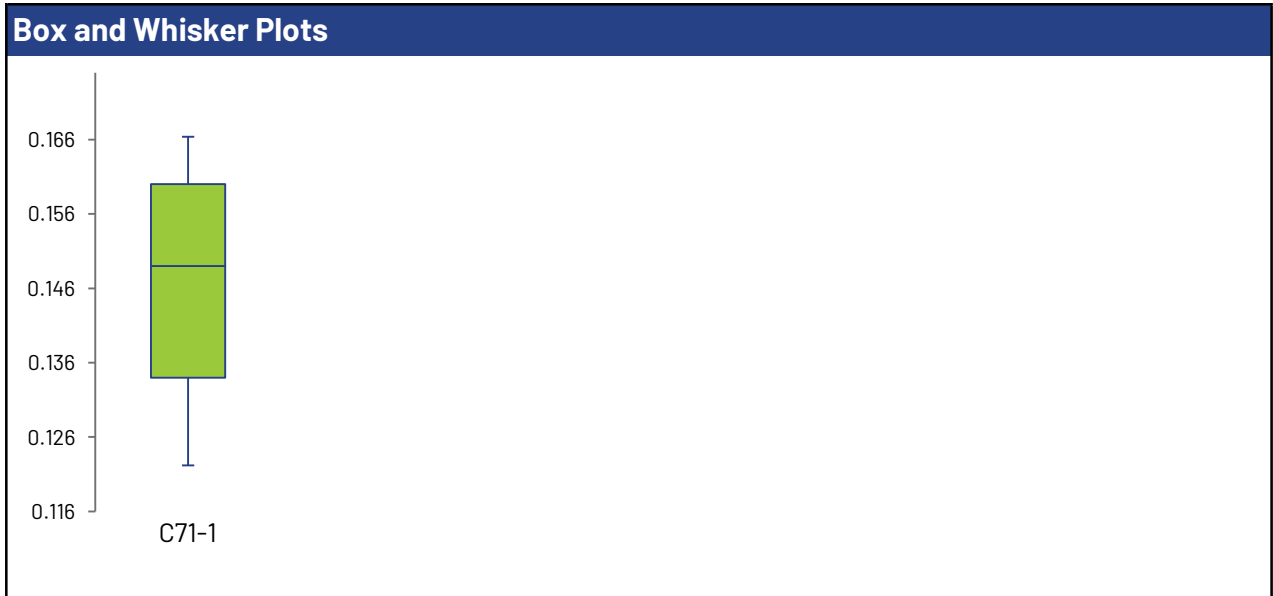
\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Metalaxyl



# Metalaxyl

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.



### Methiocarb

#### Summary Statistics

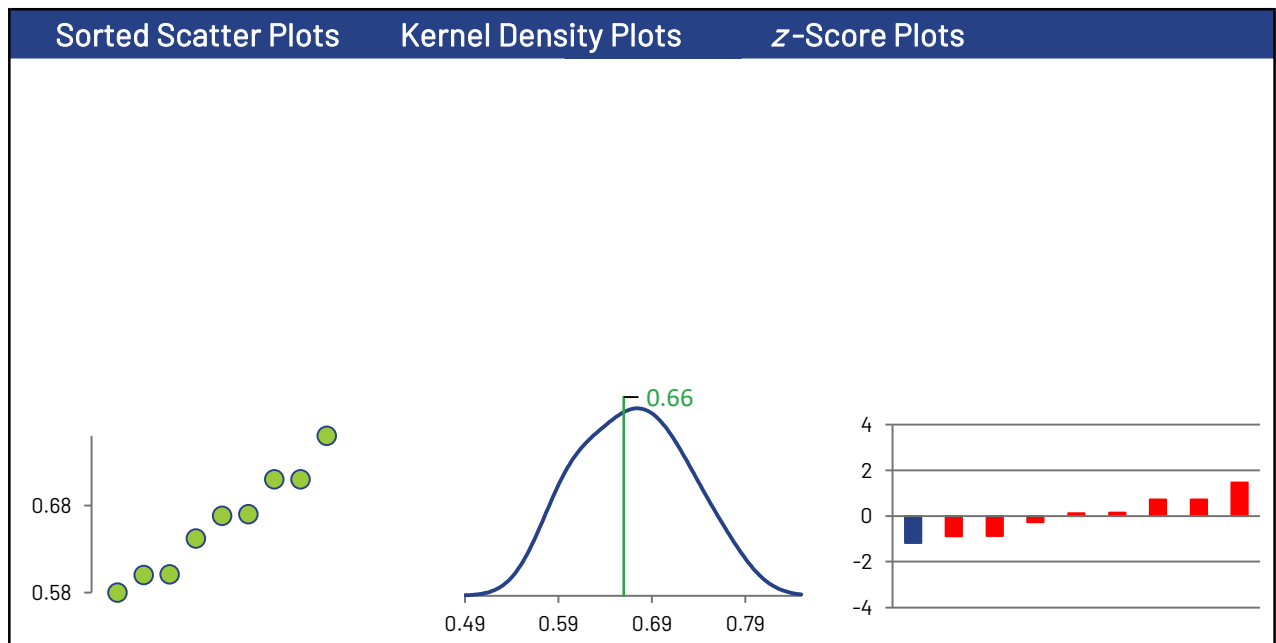
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.668		
Robust Mean µg/g		0.660		
Uncertainty of the Assigned Value µg/g		0.0284		
Robust Standard Deviation µg/g		0.0682		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0682		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

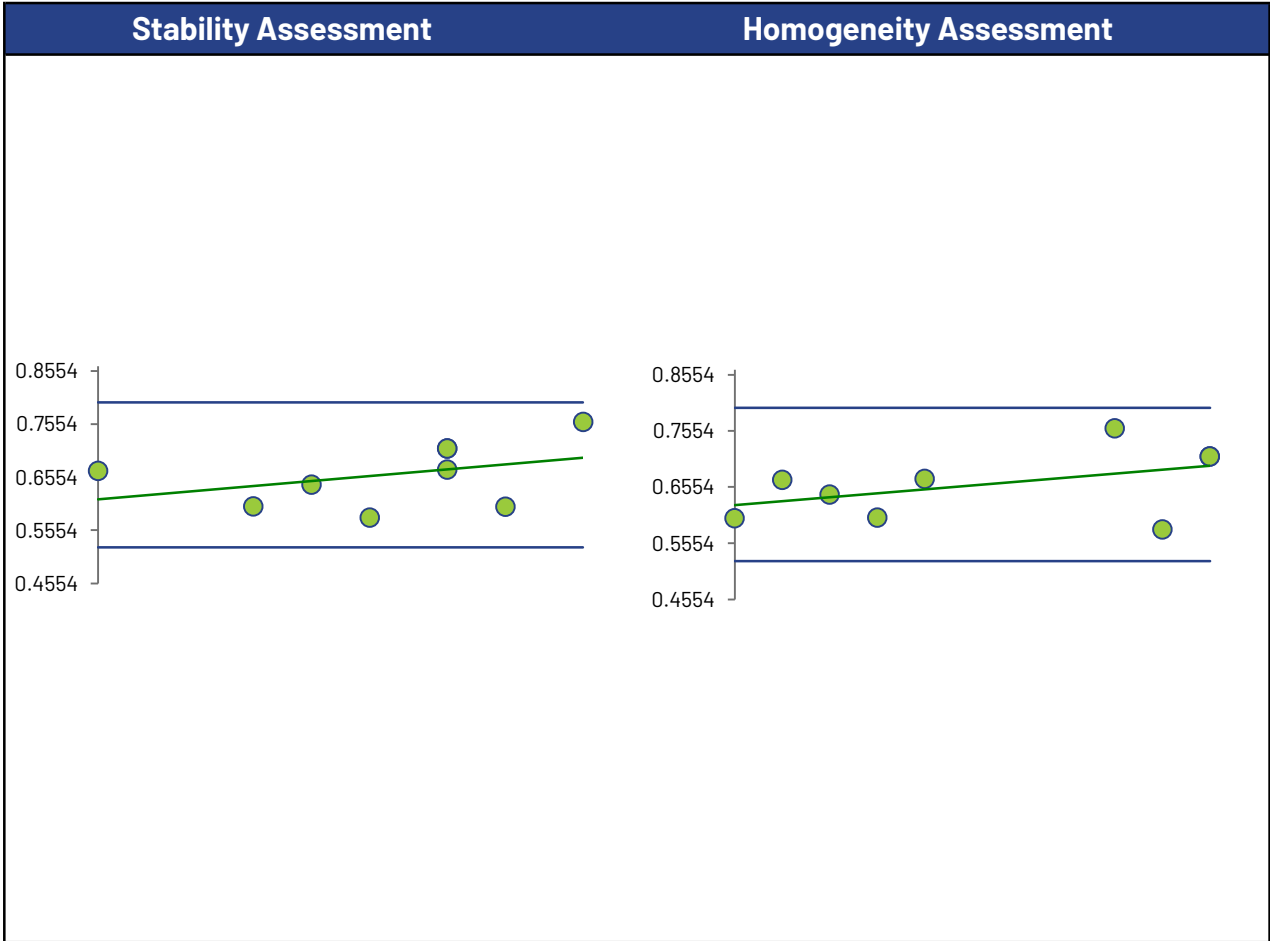
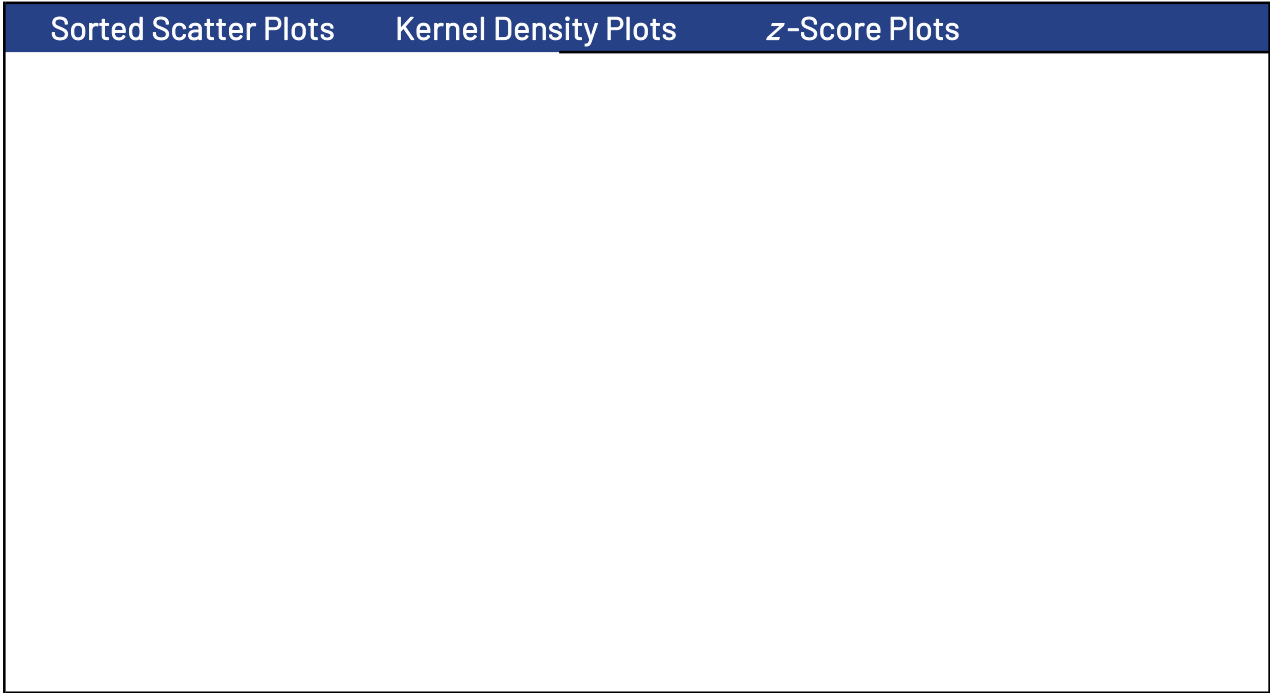
Method	C71-1	C71-2	C71-3	C71-4
LC/MS(Blue)	0	1	0	0
LC-MS/MS(Red)	0	8	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

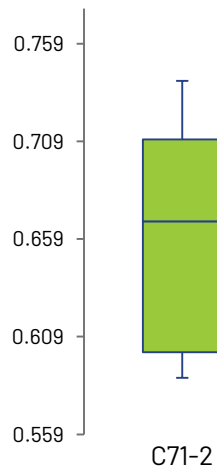
# Methiocarb



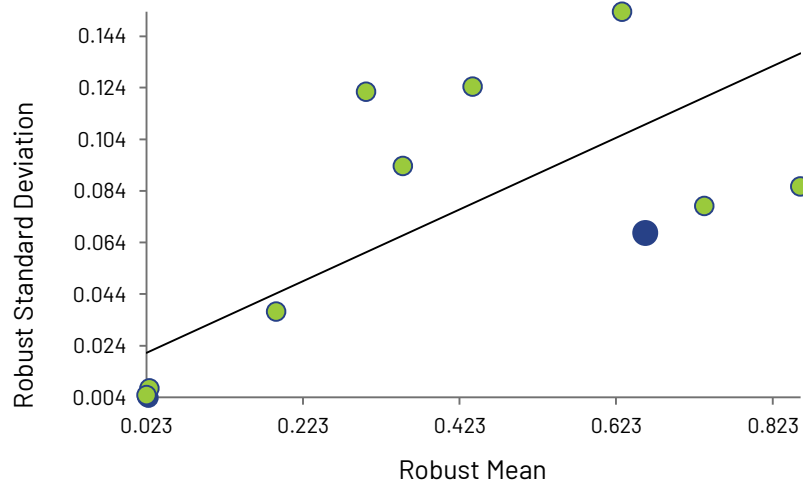
## Methiocarb

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Methomyl

### Summary Statistics

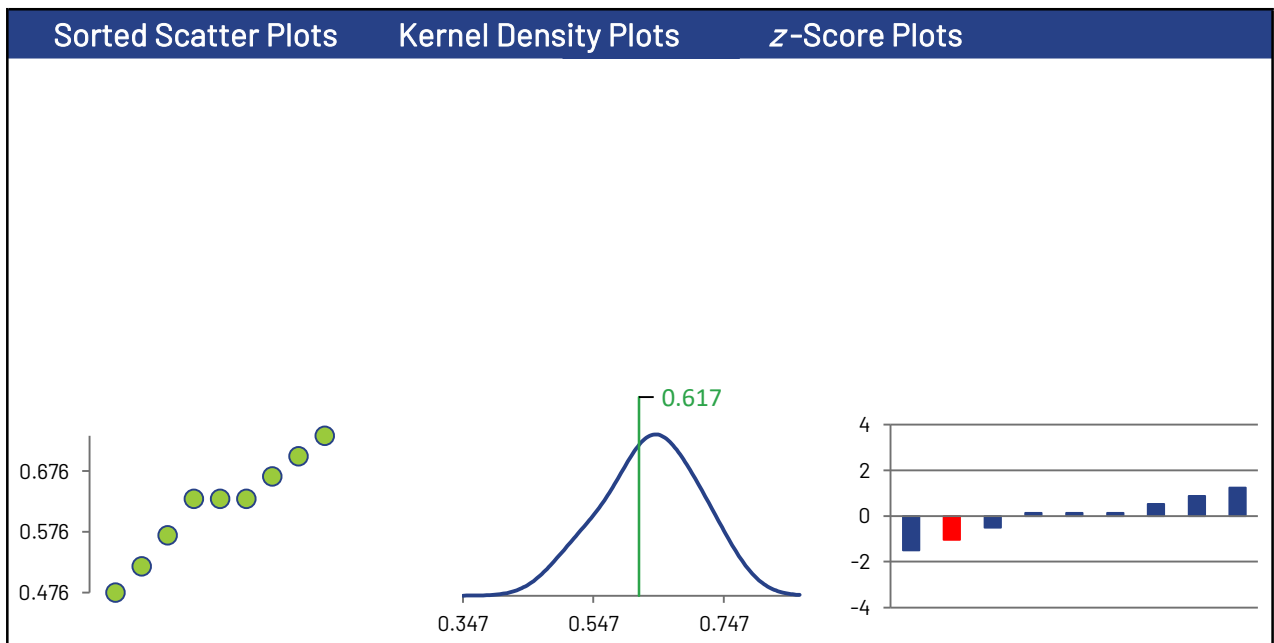
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.630		
Robust Mean µg/g		0.617		
Uncertainty of the Assigned Value µg/g		0.0393		
Robust Standard Deviation µg/g		0.0943		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0943		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

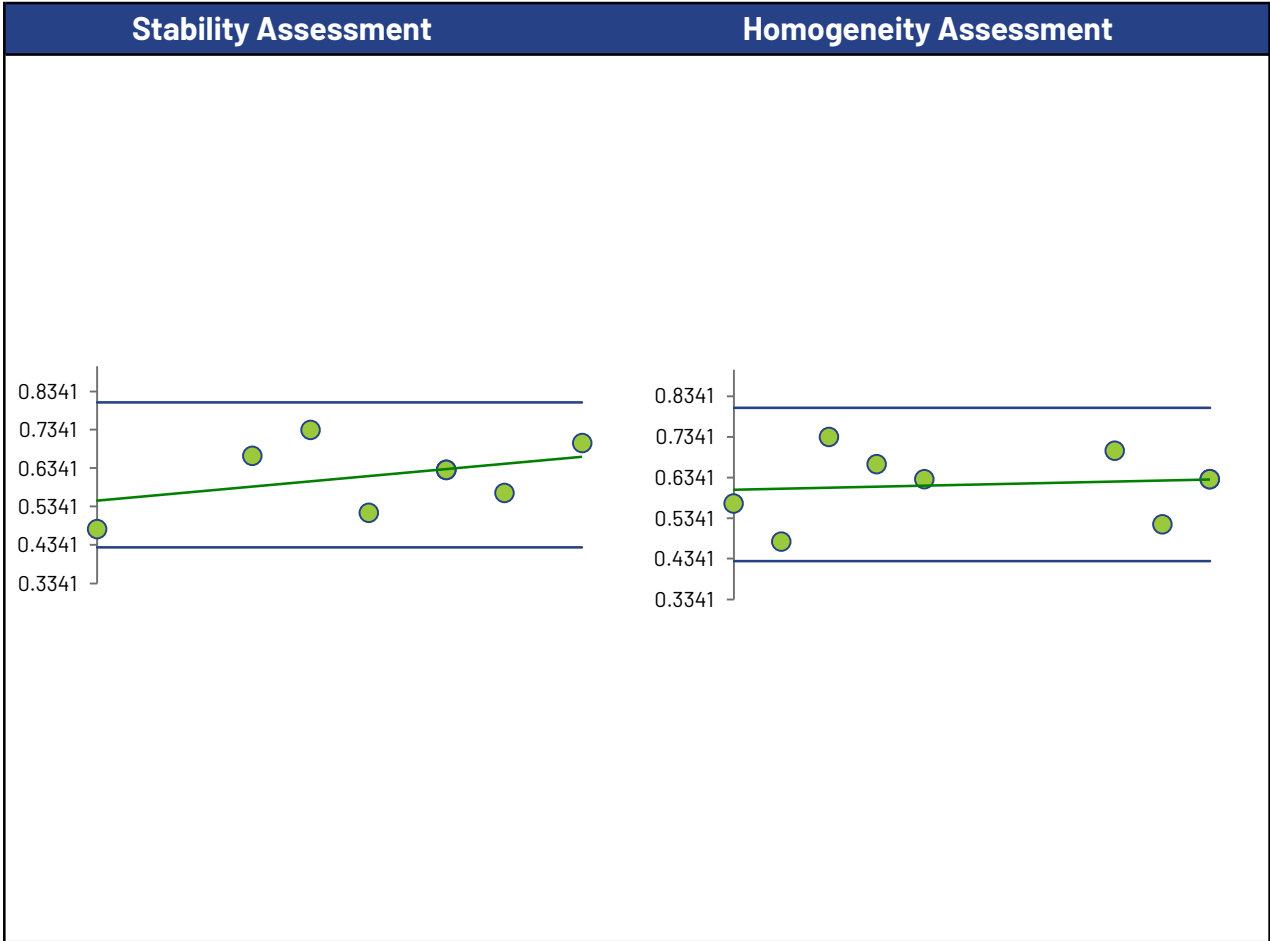
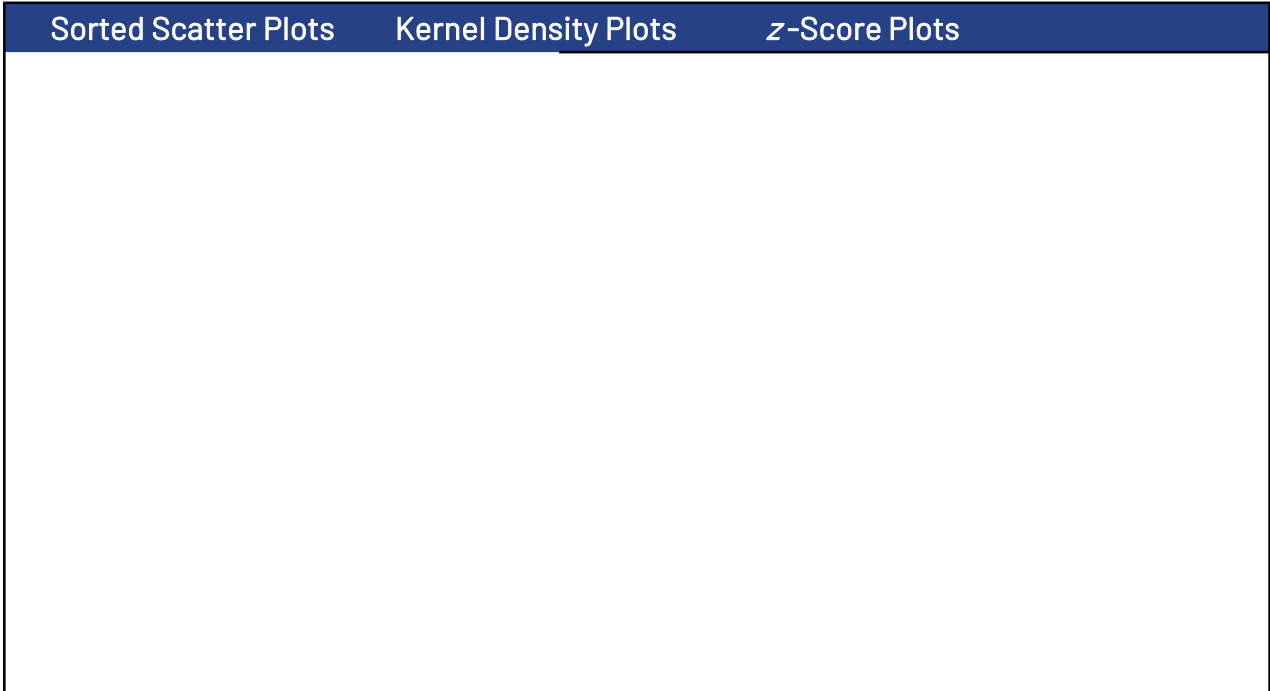
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

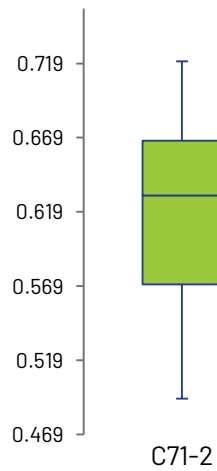
# Methomyl



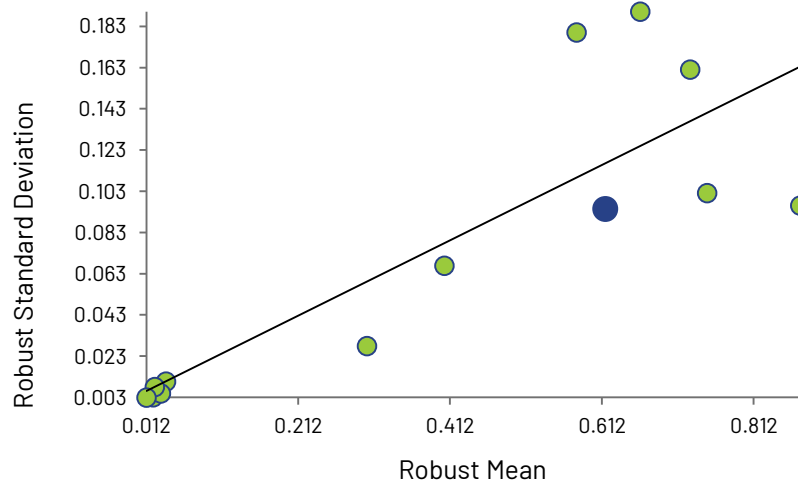
## Methomyl

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



### Myclobutanil

#### Summary Statistics

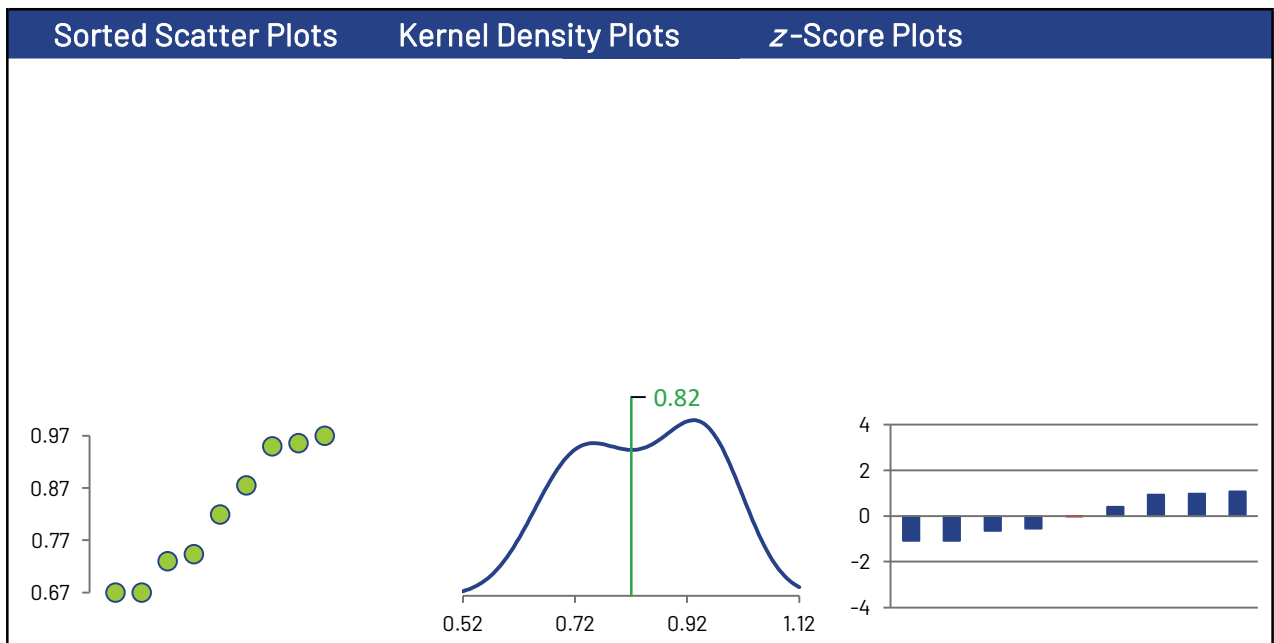
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.819		
Robust Mean µg/g		0.820		
Uncertainty of the Assigned Value µg/g		0.0579		
Robust Standard Deviation µg/g		0.139		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.139		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

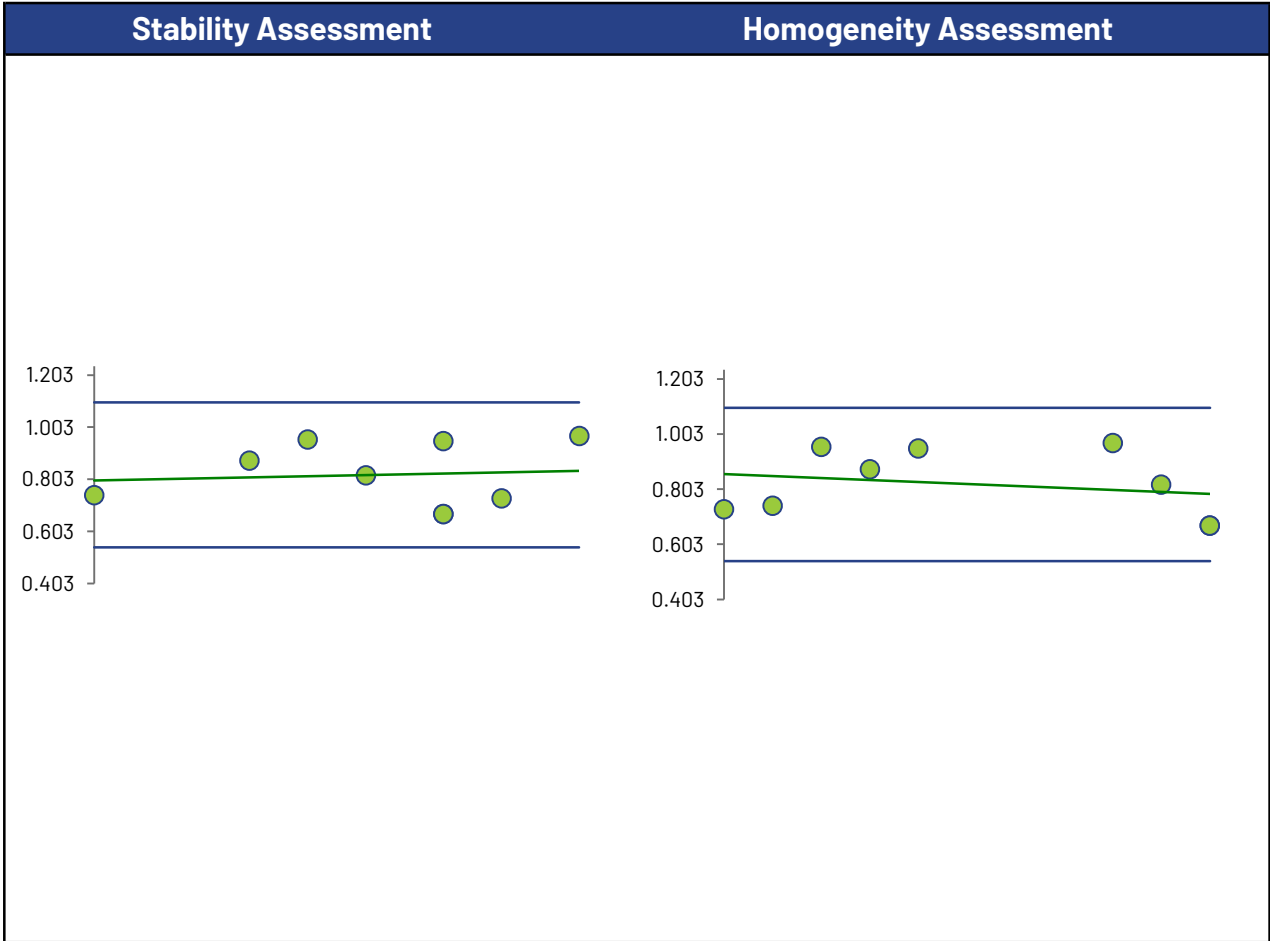
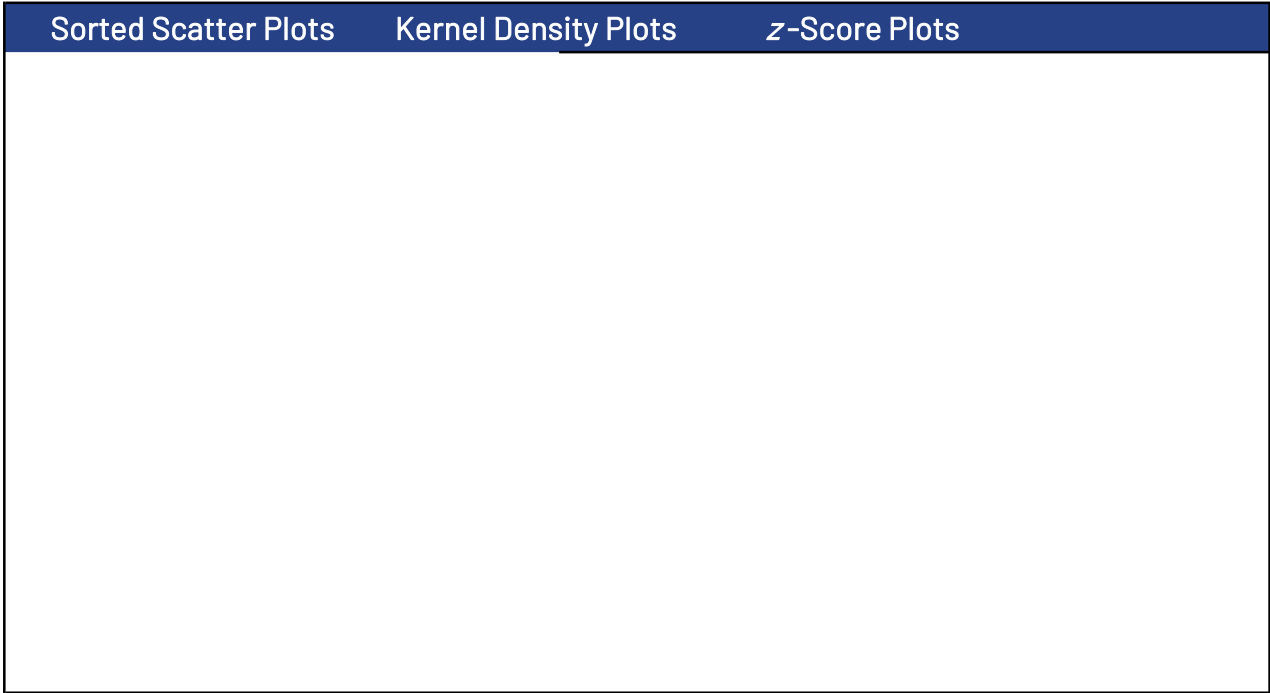
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



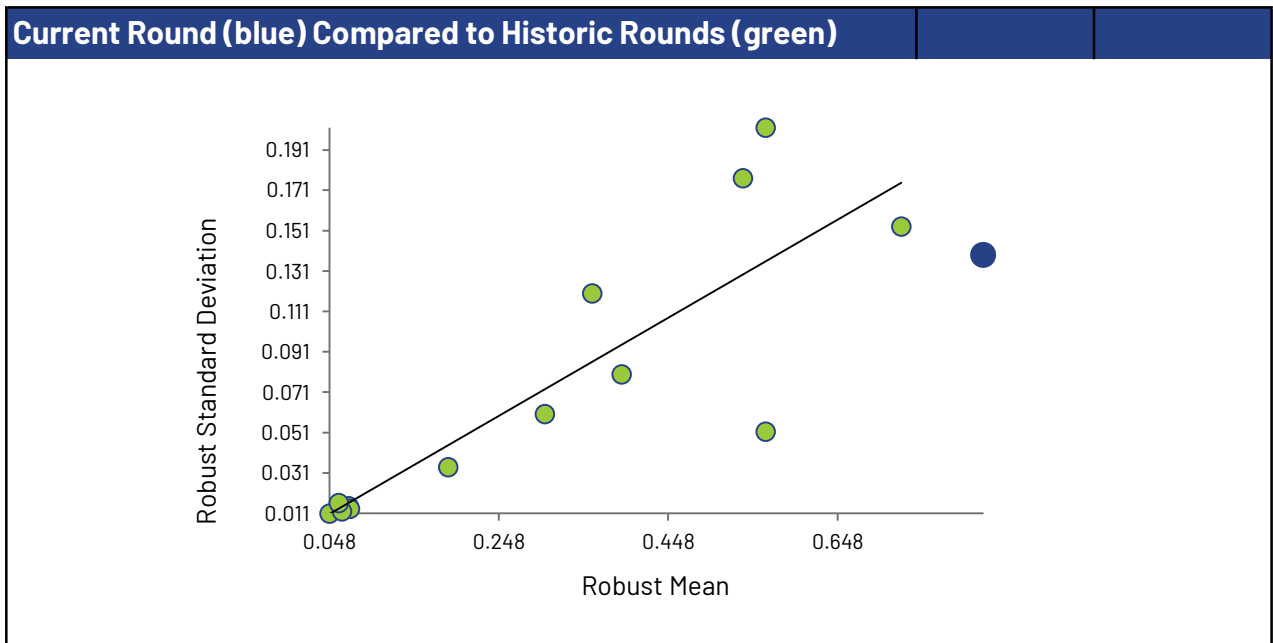
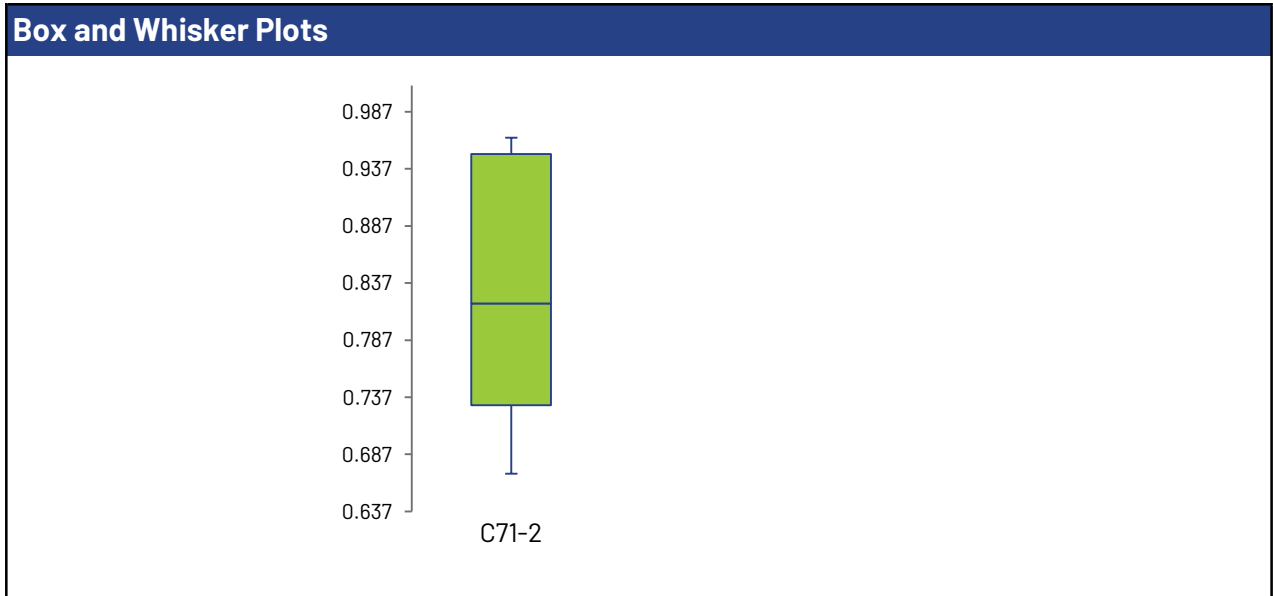
\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Myclobutanil



## Myclobutanil

	Stability Assessment	Homogeneity Assessment
C71-4		
	<p>Stability assessments are regression analysis of reported result against date of analysis.</p> <p>Homogeneity assessments are regression analysis of reported result against bottling order.</p>	



### Oxamyl

#### Summary Statistics

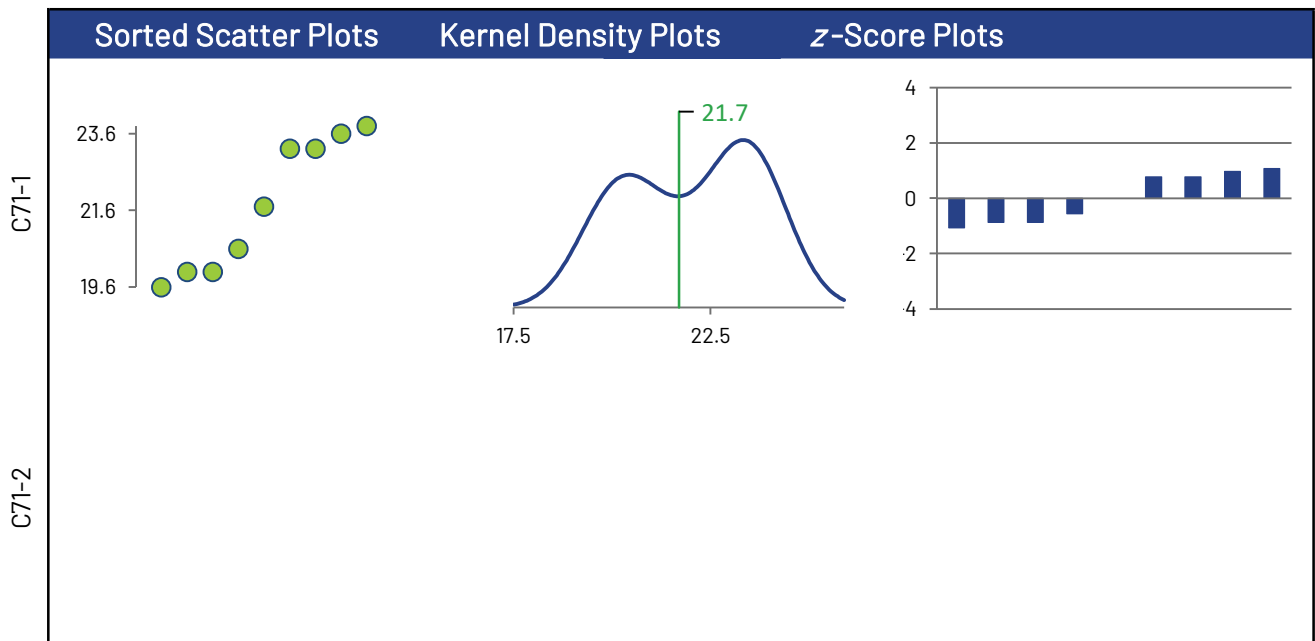
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	0	0	0
Median µg/g	21.7			
Robust Mean µg/g	21.7			
Uncertainty of the Assigned Value µg/g	0.817			
Robust Standard Deviation µg/g	1.96			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	1.96			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

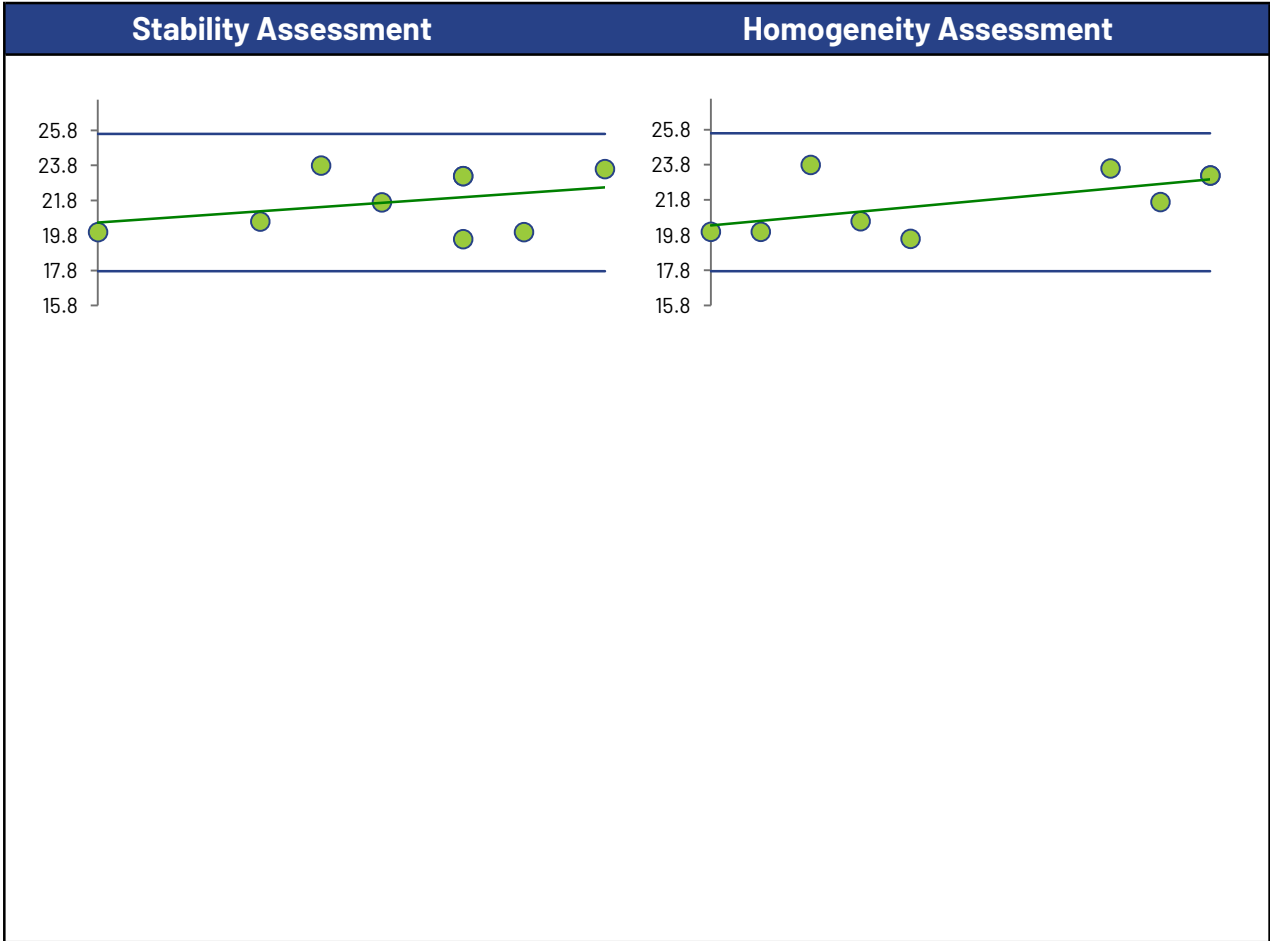
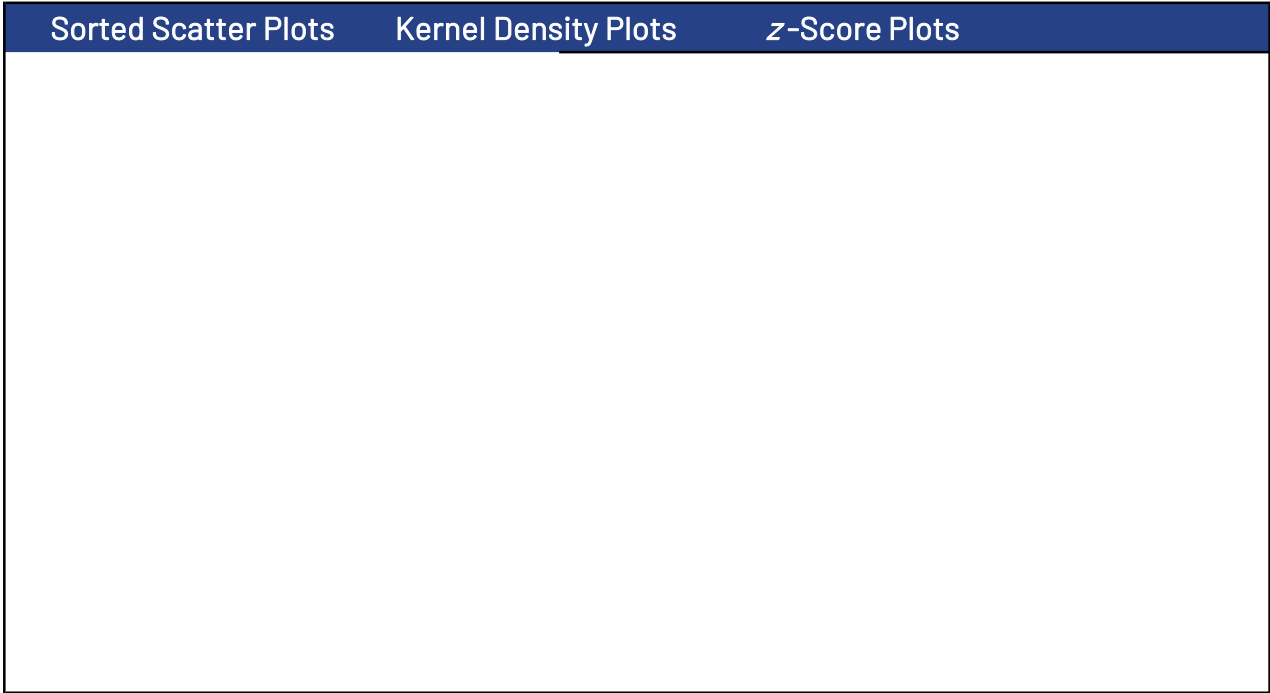
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



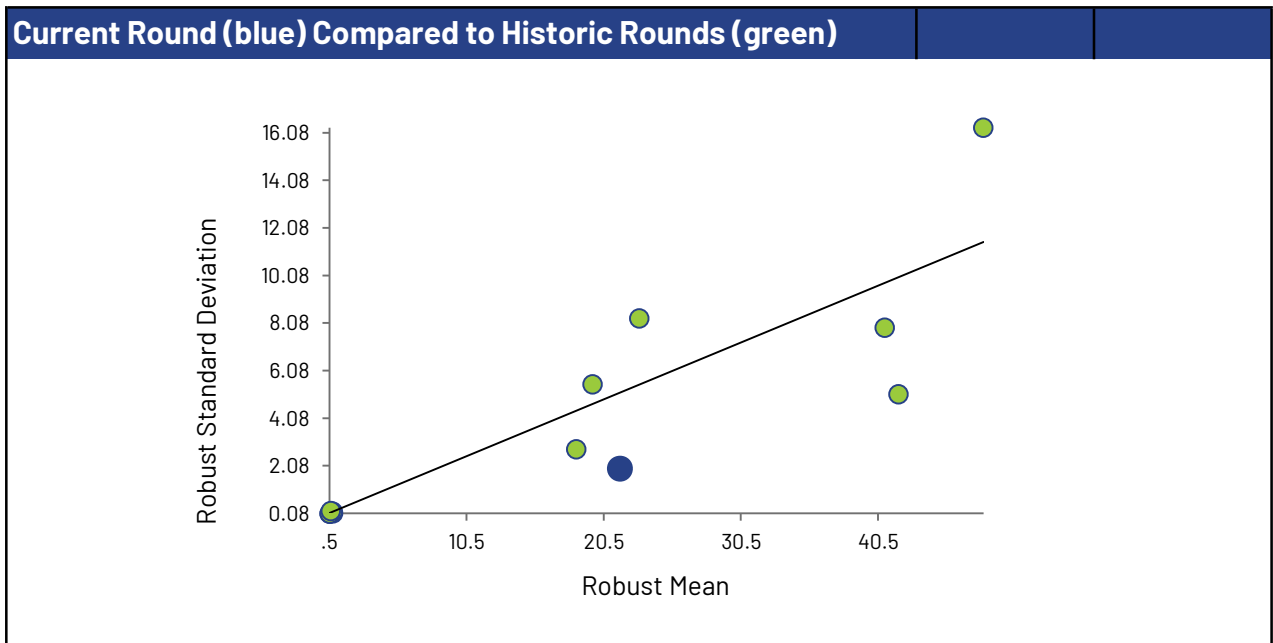
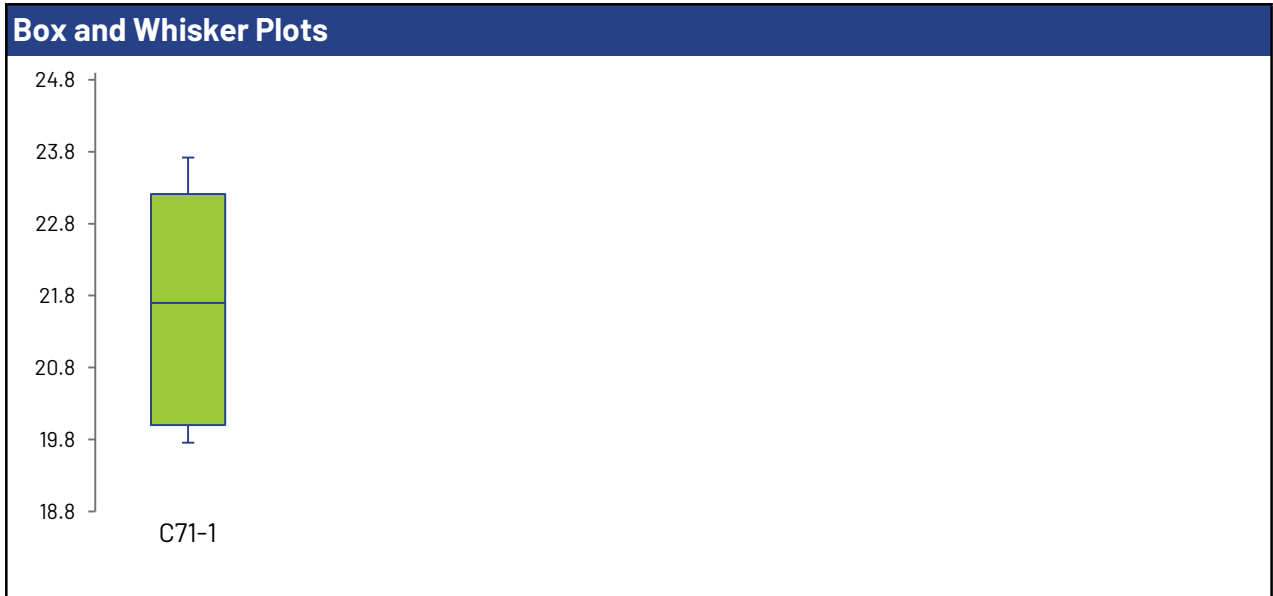
\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Oxamyl



# Oxamyl

Stability Assessment	Homogeneity Assessment
<div style="display: flex; justify-content: space-between; width: 100%;"> <span style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">C71-4</span> </div> <p style="text-align: center; margin-top: 20px;">Stability assessments are regression analysis of reported result against date of analysis. Homogeneity assessments are regression analysis of reported result against bottling order.</p>	



## Paclobutrazol

### Summary Statistics

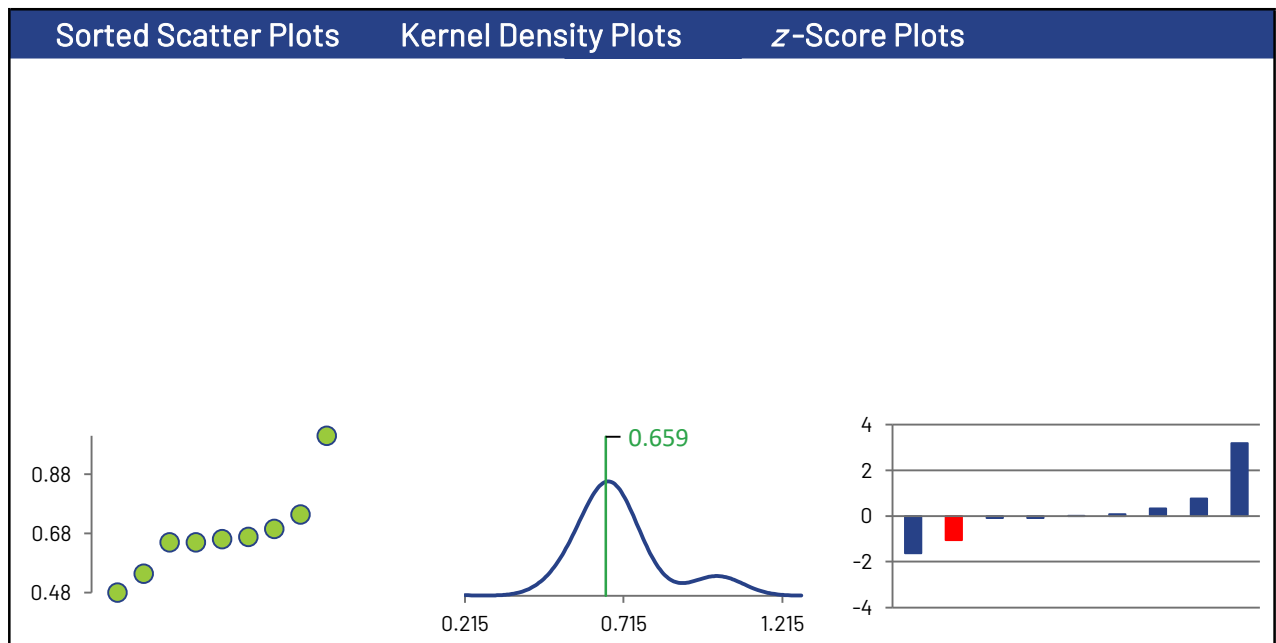
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.660		
Robust Mean µg/g		0.659		
Uncertainty of the Assigned Value µg/g		0.0458		
Robust Standard Deviation µg/g		0.110		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.110		
Flagged Outliers	0	0	0	0
z >3.0	0	1	0	0
2< z <3	0	0	0	0
Failure Rate %*	11.1			

### Methods Used

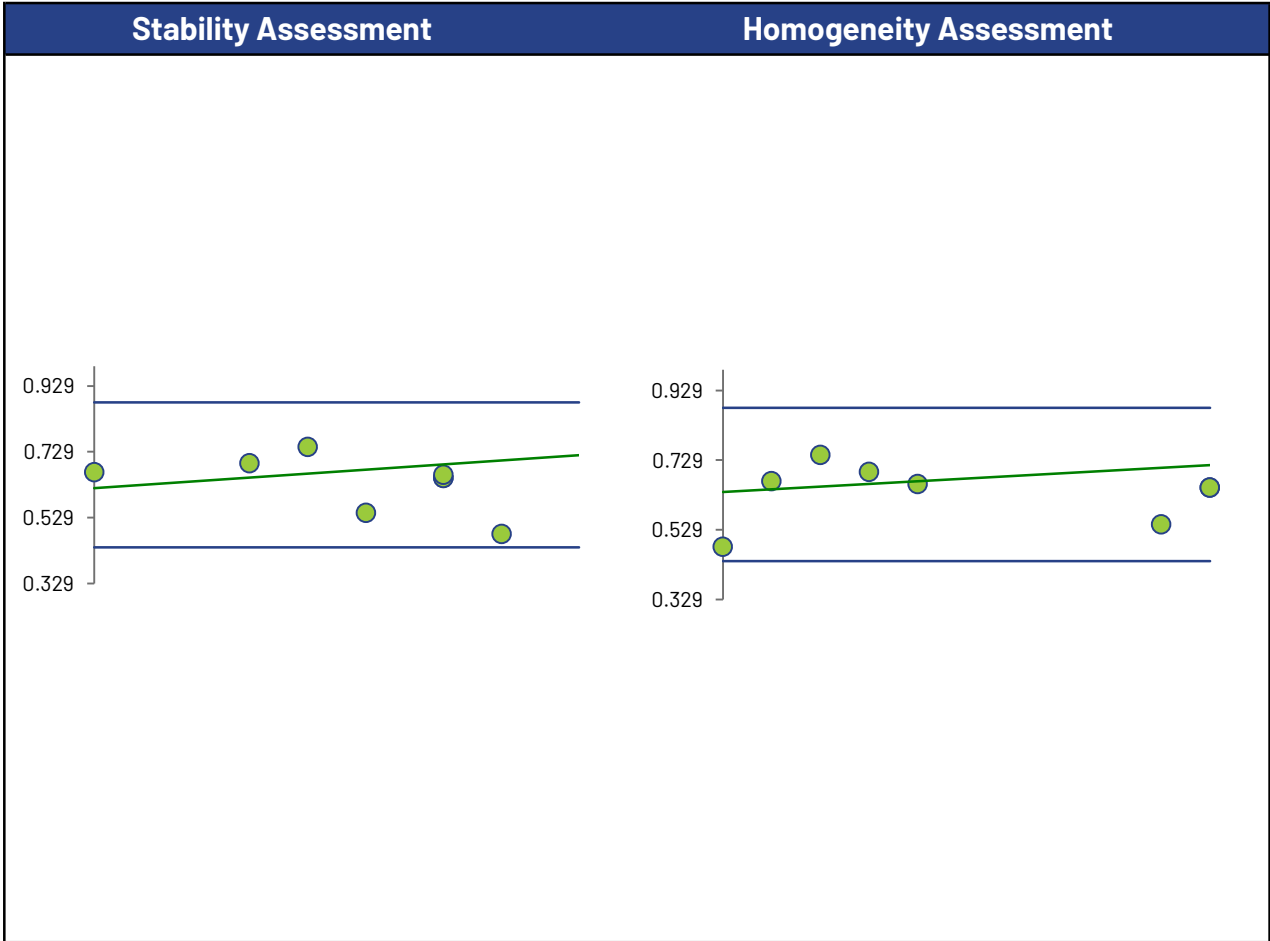
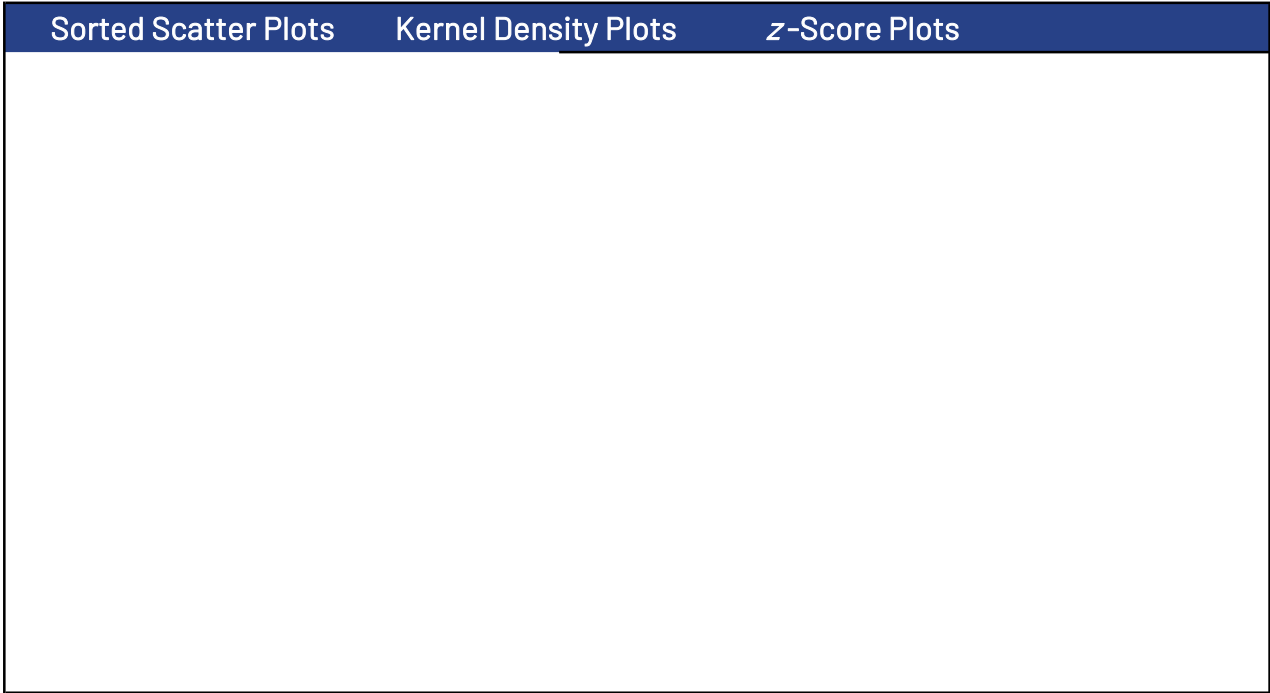
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

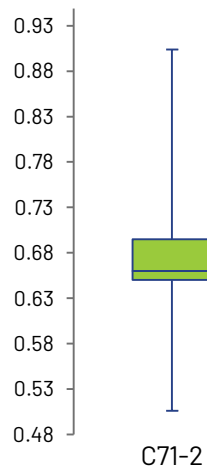
# Paclobutrazol



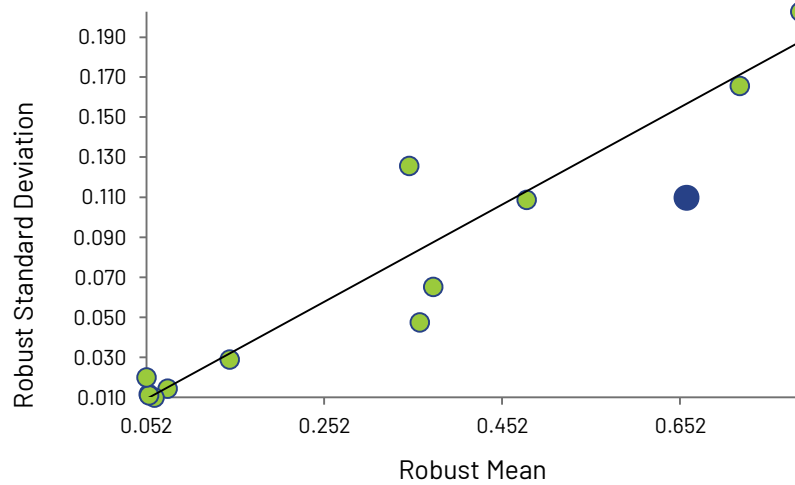
## Paclobutrazol

	Stability Assessment	Homogeneity Assessment
C71-4		
	Stability assessments are regression analysis of reported result against date of analysis.	Homogeneity assessments are regression analysis of reported result against bottling order.

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Propoxur (Baygon)

### Summary Statistics

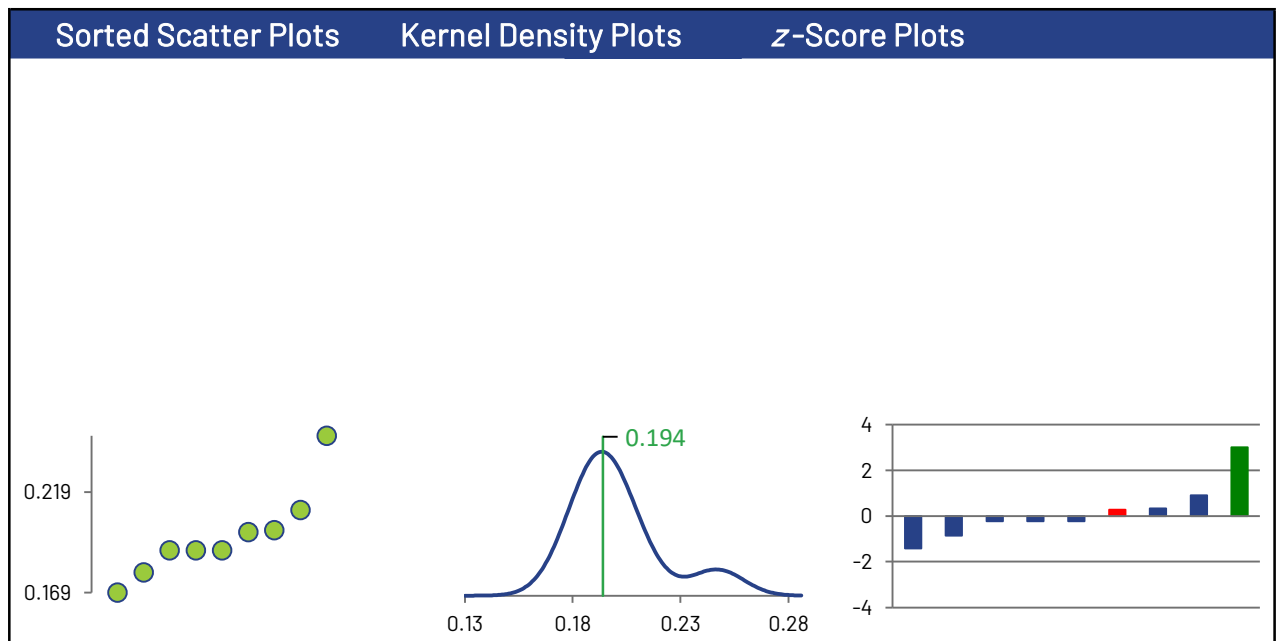
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.190		
Robust Mean µg/g		0.194		
Uncertainty of the Assigned Value µg/g		0.00733		
Robust Standard Deviation µg/g		0.0176		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0176		
Flagged Outliers	0	0	0	0
z >3.0	0	1	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

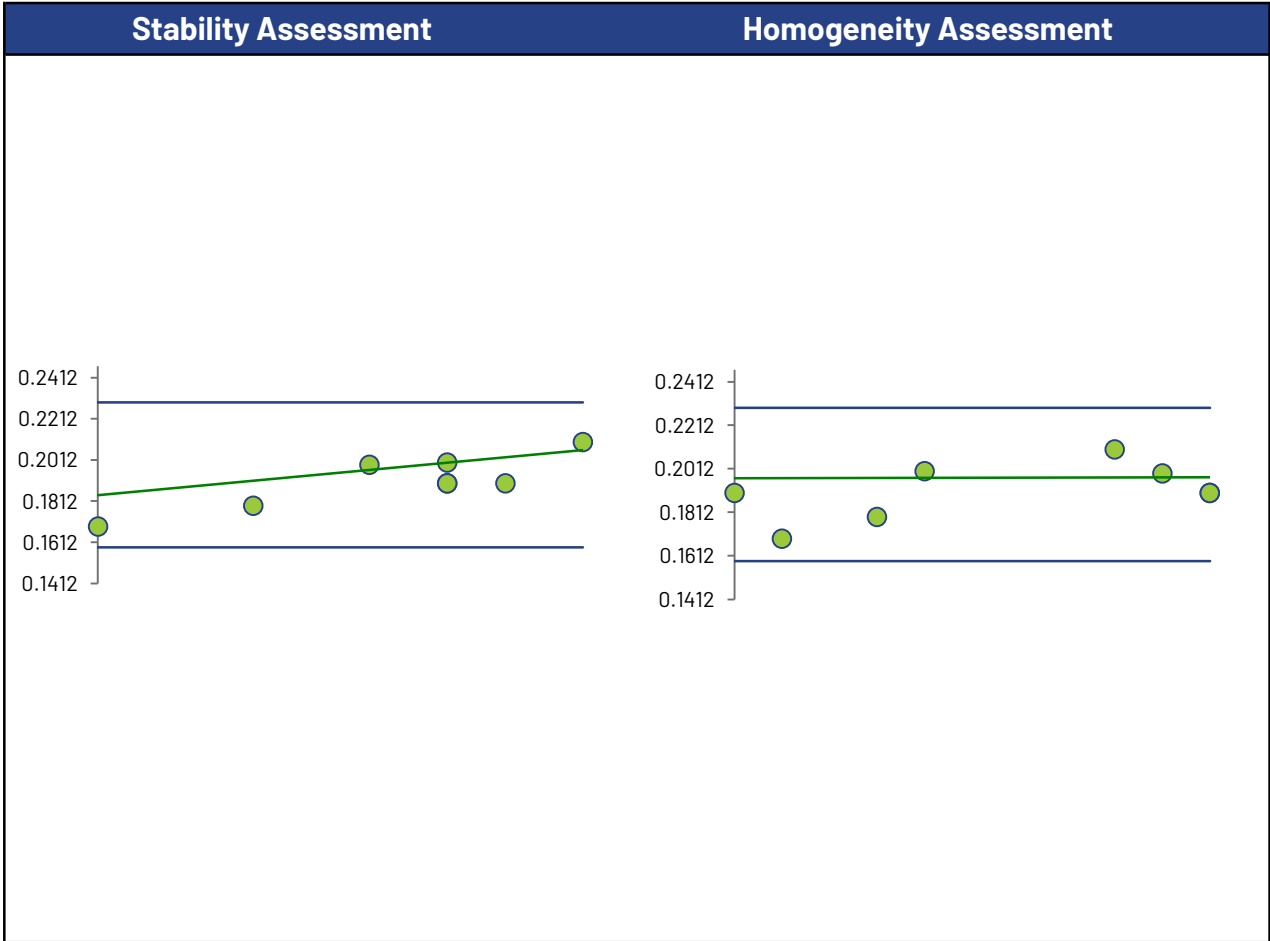
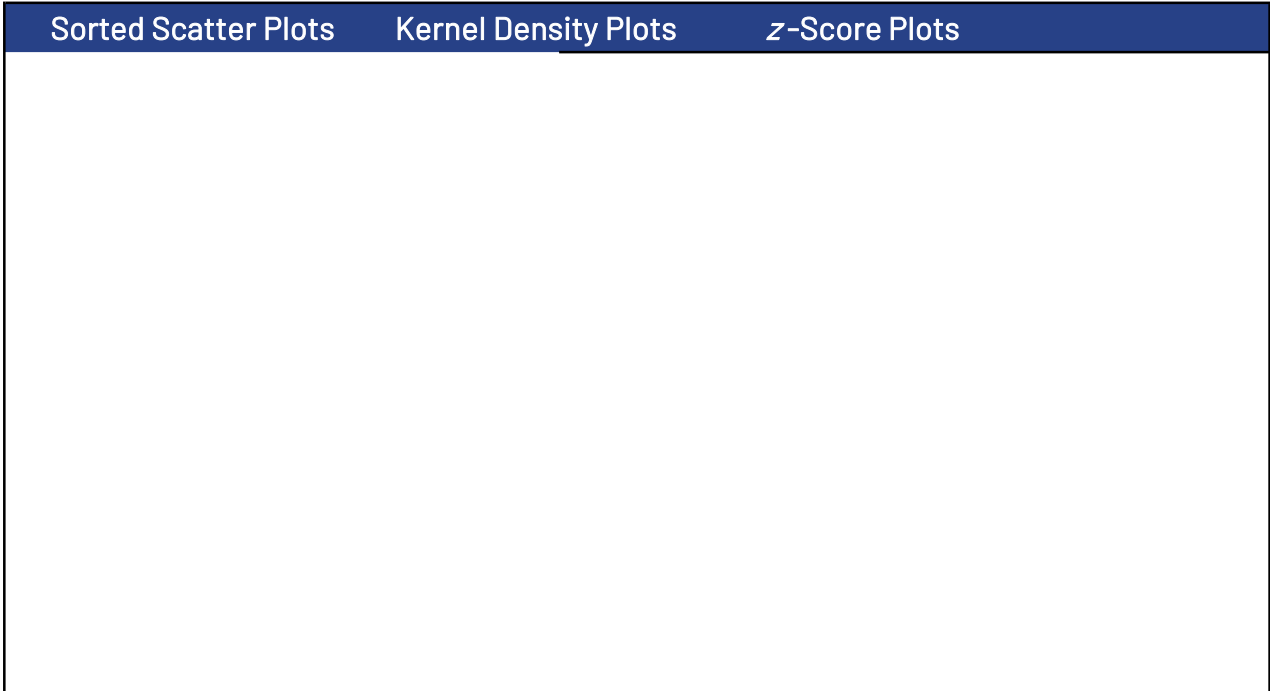
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	7	0	0
LC/MS (Red)	0	1	0	0
GC/MS/MS (Green)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Propoxur (Baygon)





## Spiromesifen

### Summary Statistics

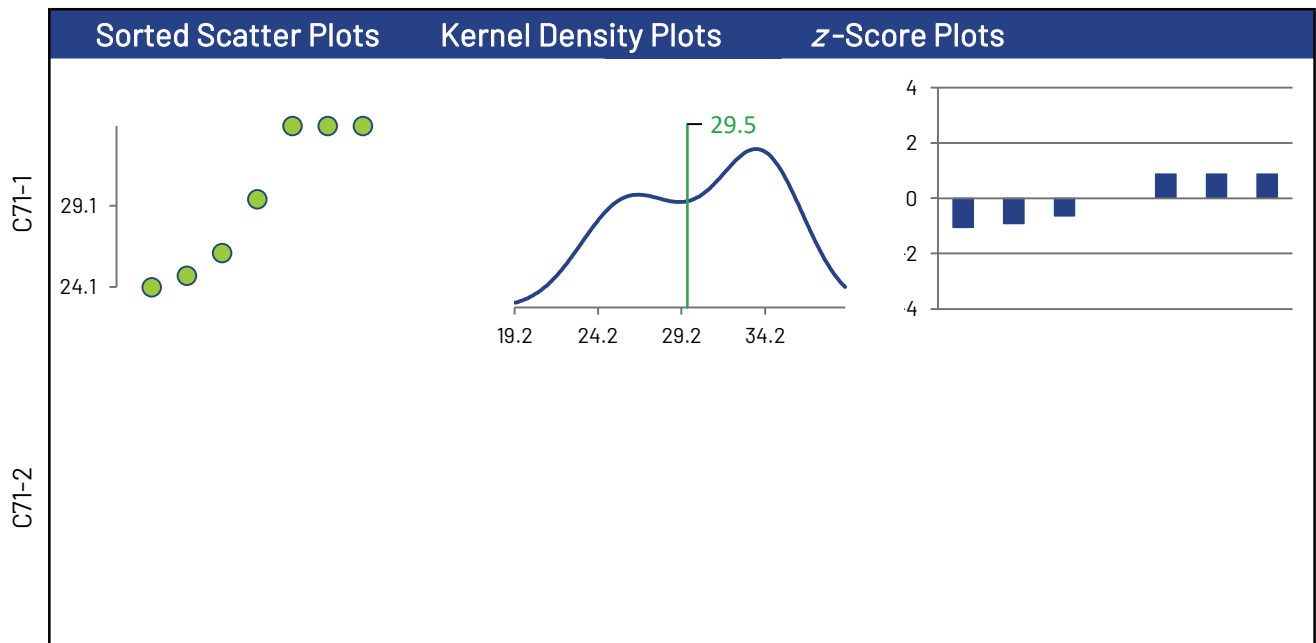
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	7	0	0	0
Median µg/g	29.5			
Robust Mean µg/g	29.5			
Uncertainty of the Assigned Value µg/g	2.42			
Robust Standard Deviation µg/g	5.13			
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	5.13			
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

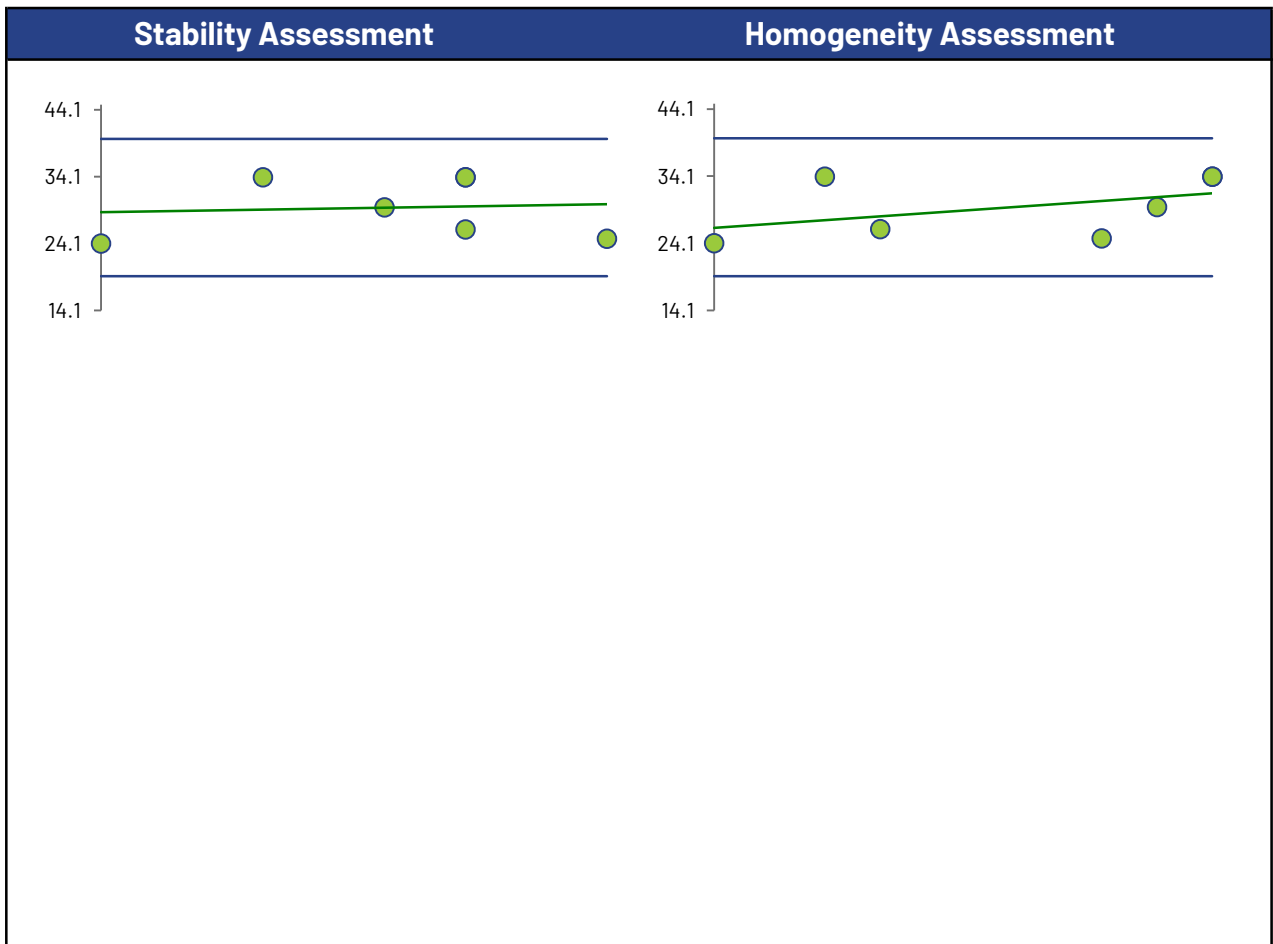
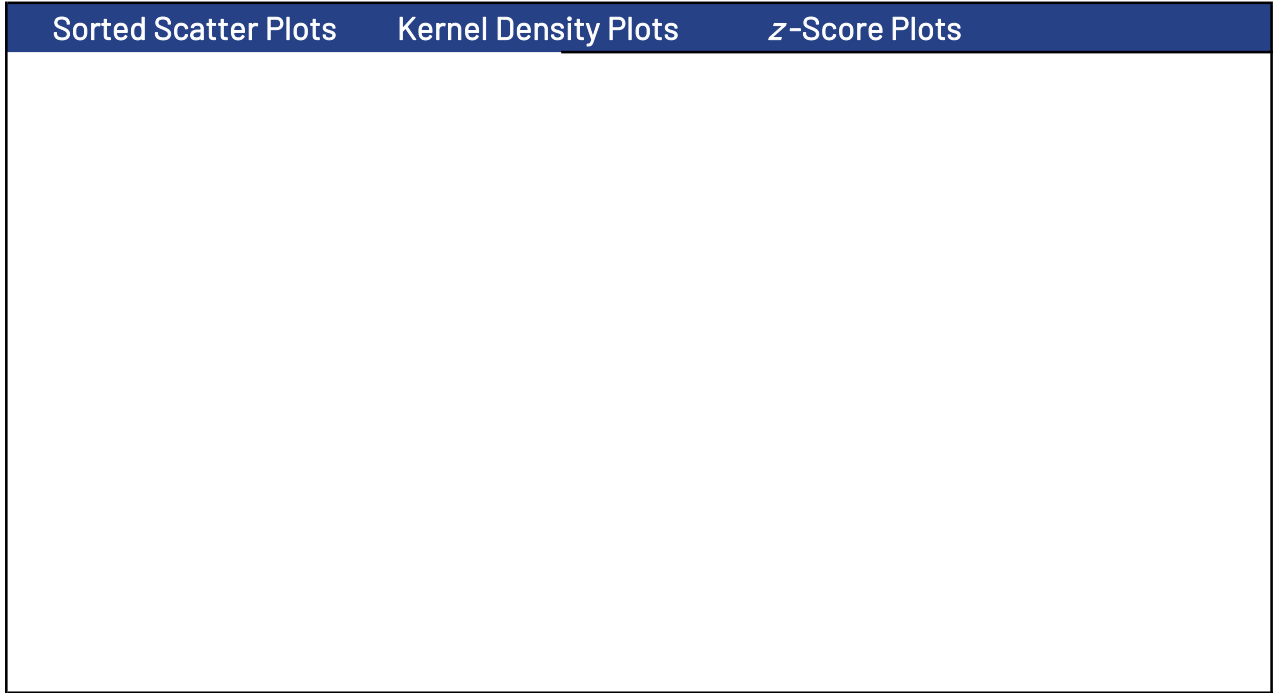
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	6	0	0	0
LC/MS (Red)	1	0	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

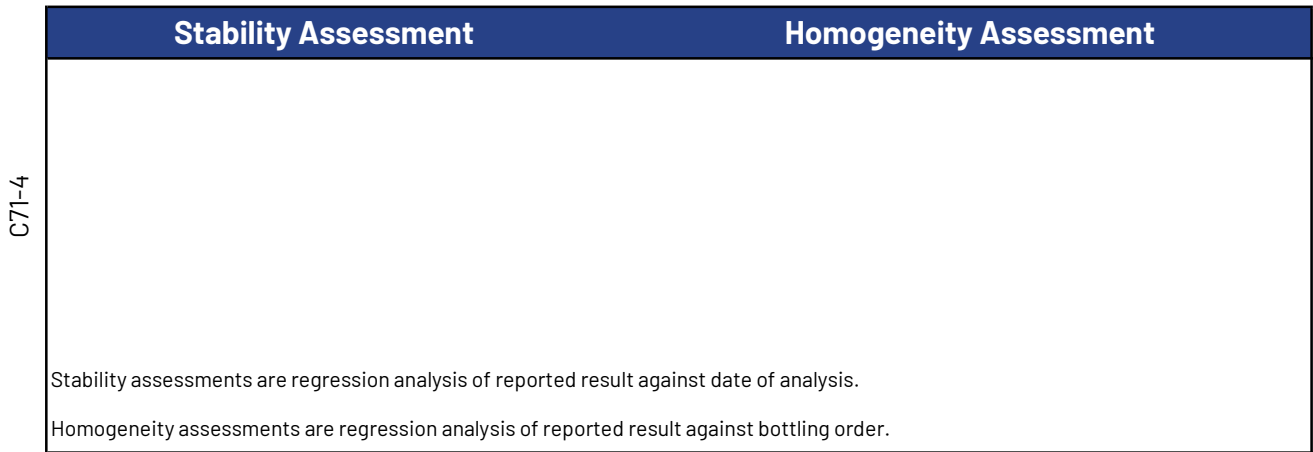


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

## Spiromesifen



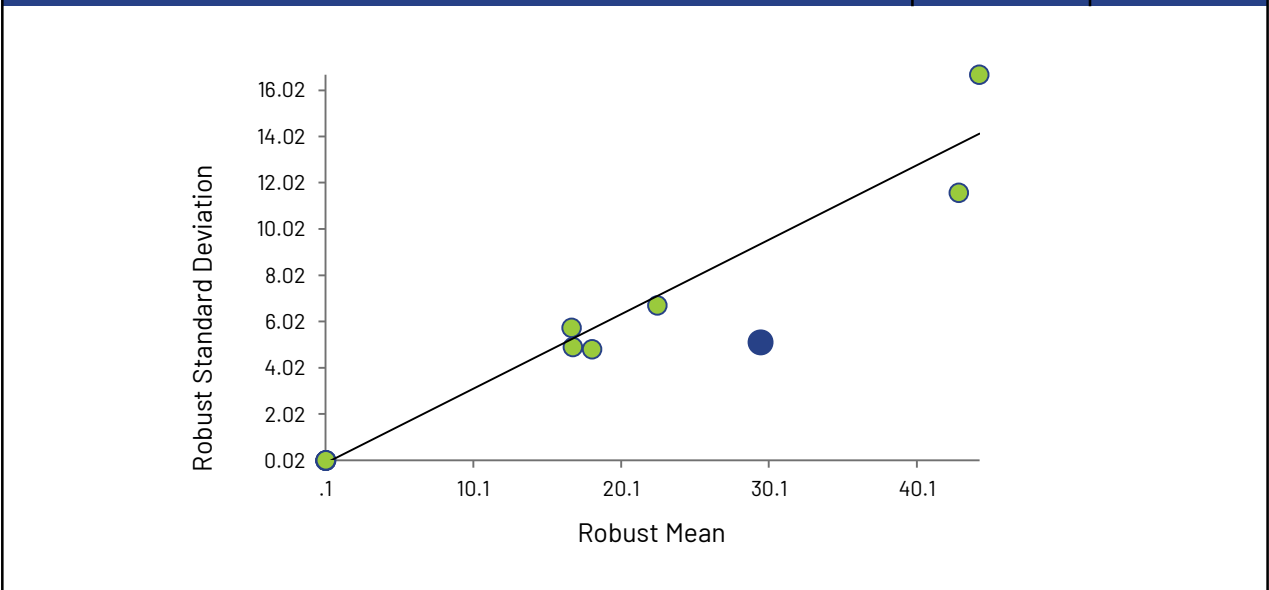
## Spiromesifen



### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Spirotetramat

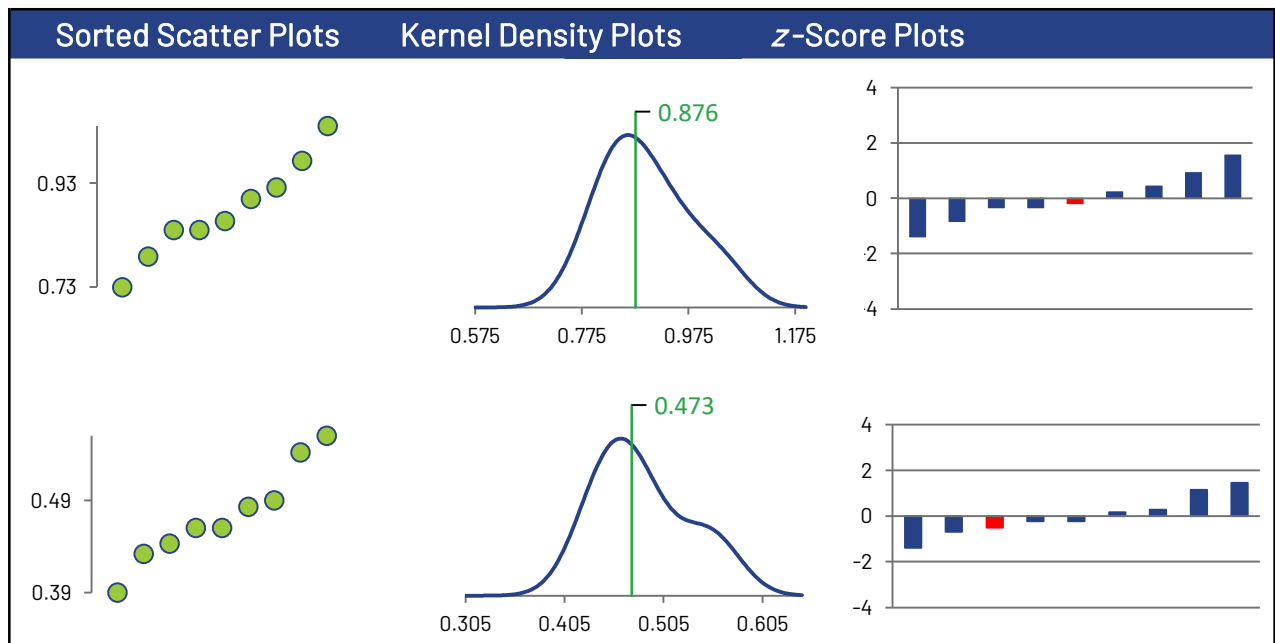
### Summary Statistics

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	9	0	0
Median µg/g	0.857	0.460		
Robust Mean µg/g	0.876	0.473		
Uncertainty of the Assigned Value µg/g	0.0438	0.0251		
Robust Standard Deviation µg/g	0.105	0.0602		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.105	0.0602		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

### Methods Used

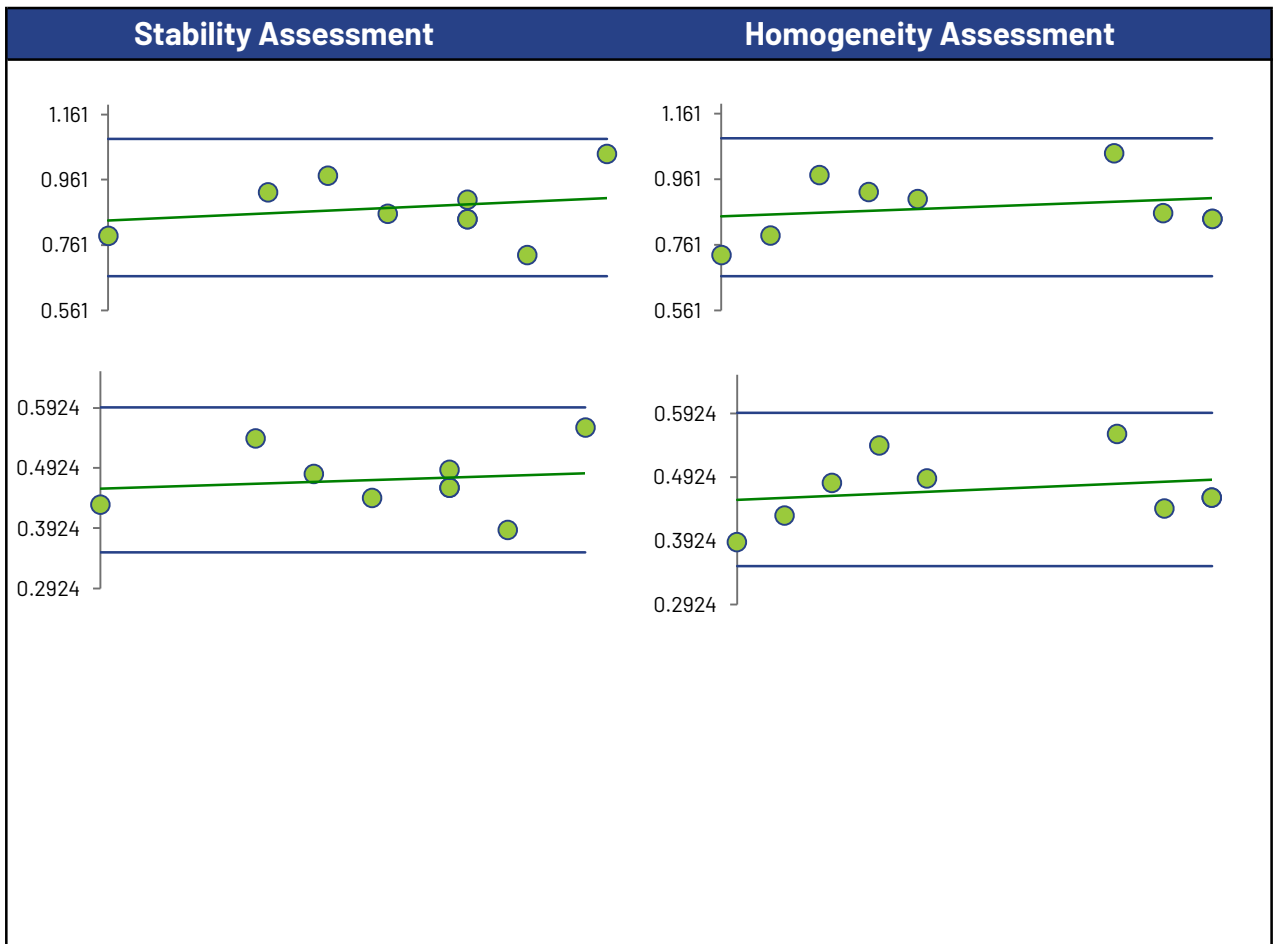
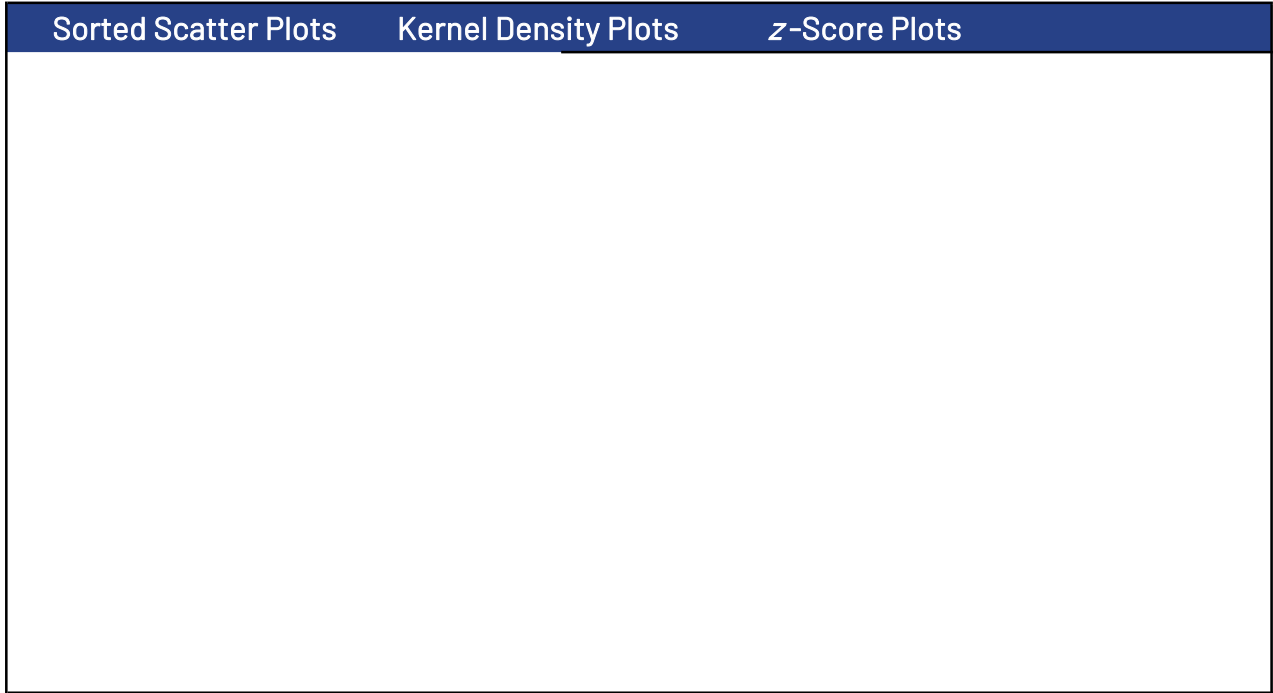
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	8	0	0
LC/MS (Red)	1	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

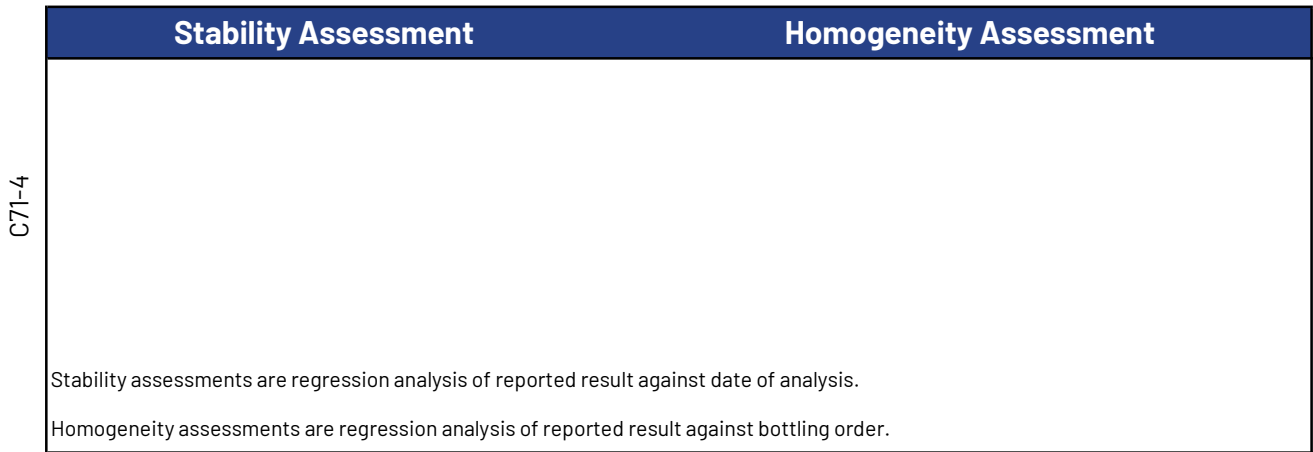


\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

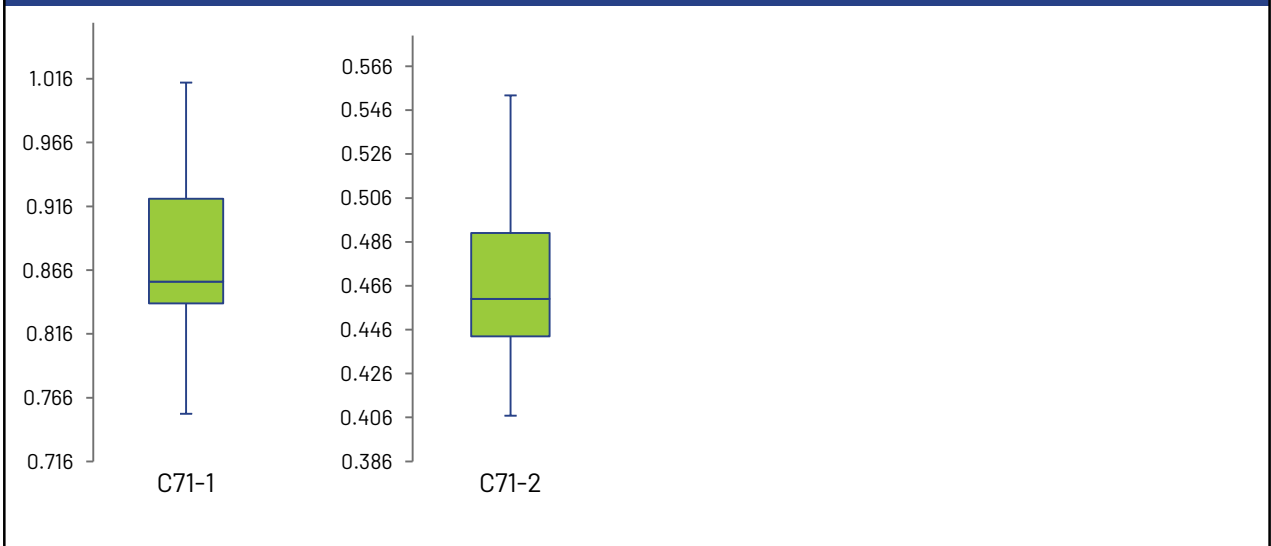
# Spirotetramat



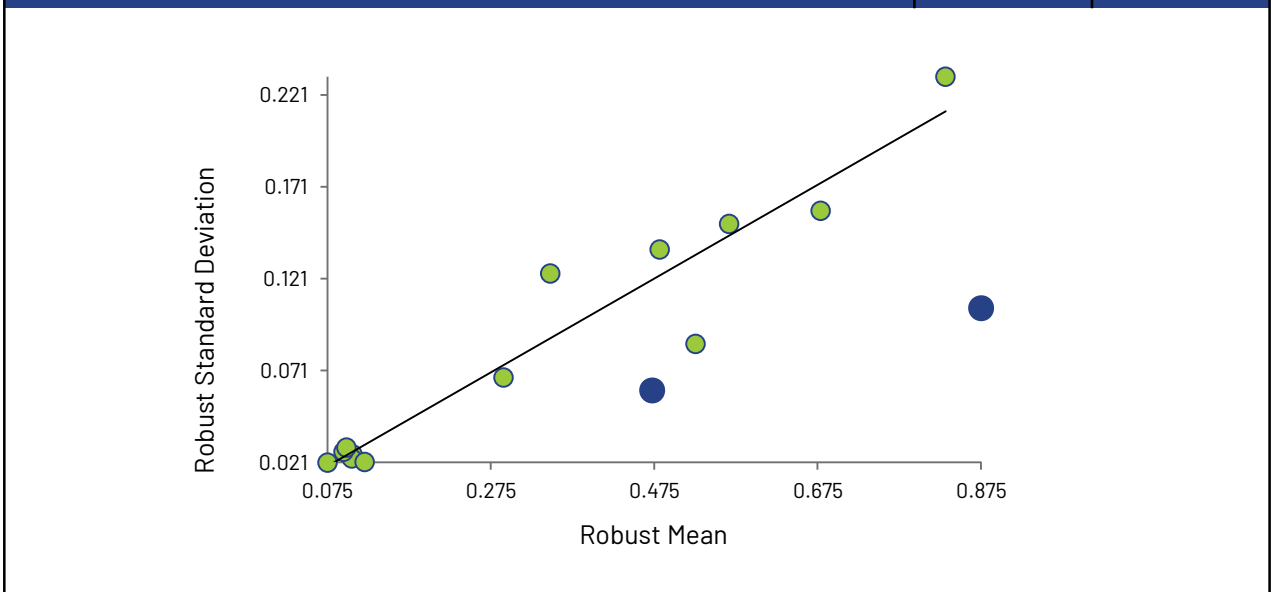
## Spirotetramat



### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



### Thiamethoxam

#### Summary Statistics

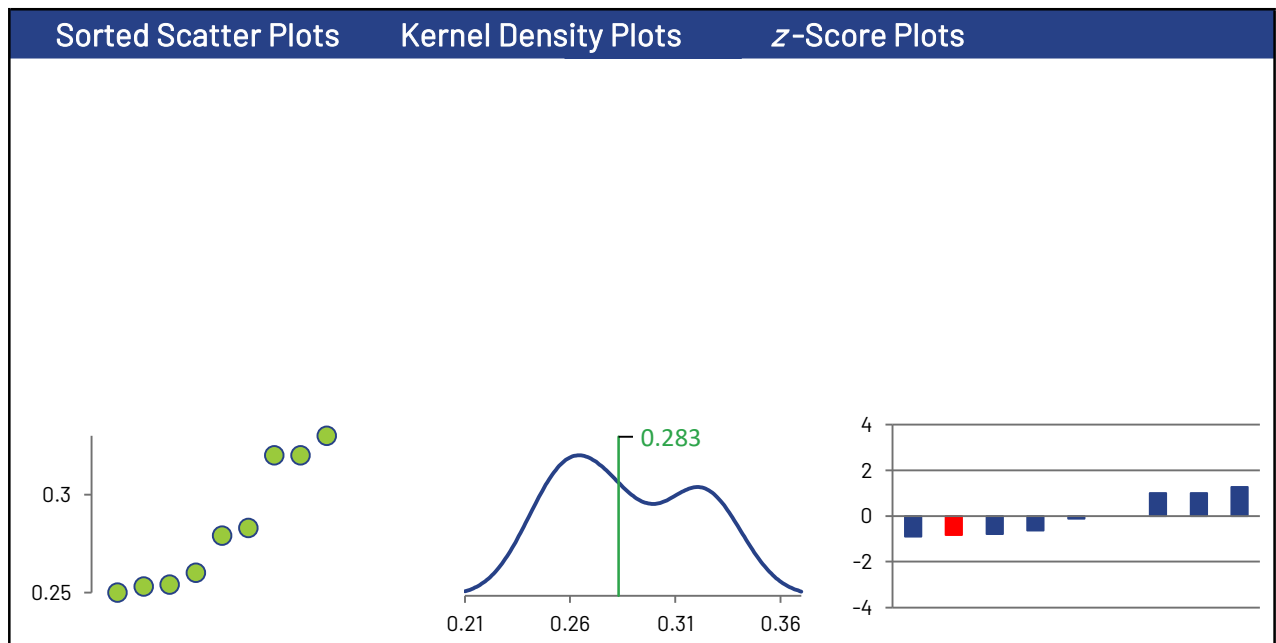
**Not Spiked**

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	0	9	0	0
Median µg/g		0.279		
Robust Mean µg/g		0.283		
Uncertainty of the Assigned Value µg/g		0.0153		
Robust Standard Deviation µg/g		0.0366		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g		0.0366		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	0	0	0
Failure Rate %*	0.0			

#### Methods Used

Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	0	8	0	0
LC/MS (Red)	0	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



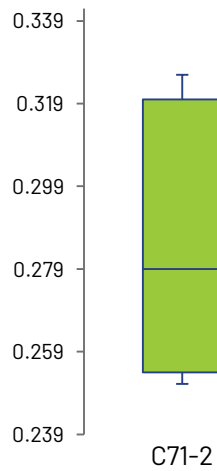
\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.



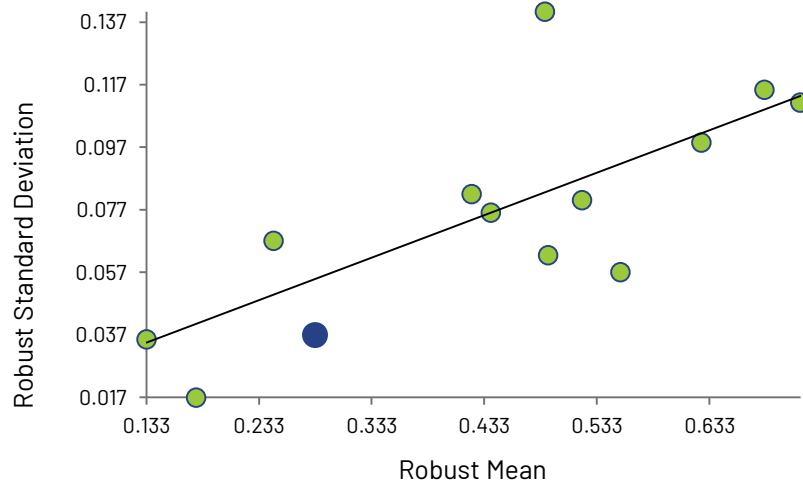
## Thiamethoxam

	Stability Assessment	Homogeneity Assessment
C71-4		
	<p>Stability assessments are regression analysis of reported result against date of analysis.</p> <p>Homogeneity assessments are regression analysis of reported result against bottling order.</p>	

### Box and Whisker Plots



### Current Round (blue) Compared to Historic Rounds (green)



## Trifloxystrobin

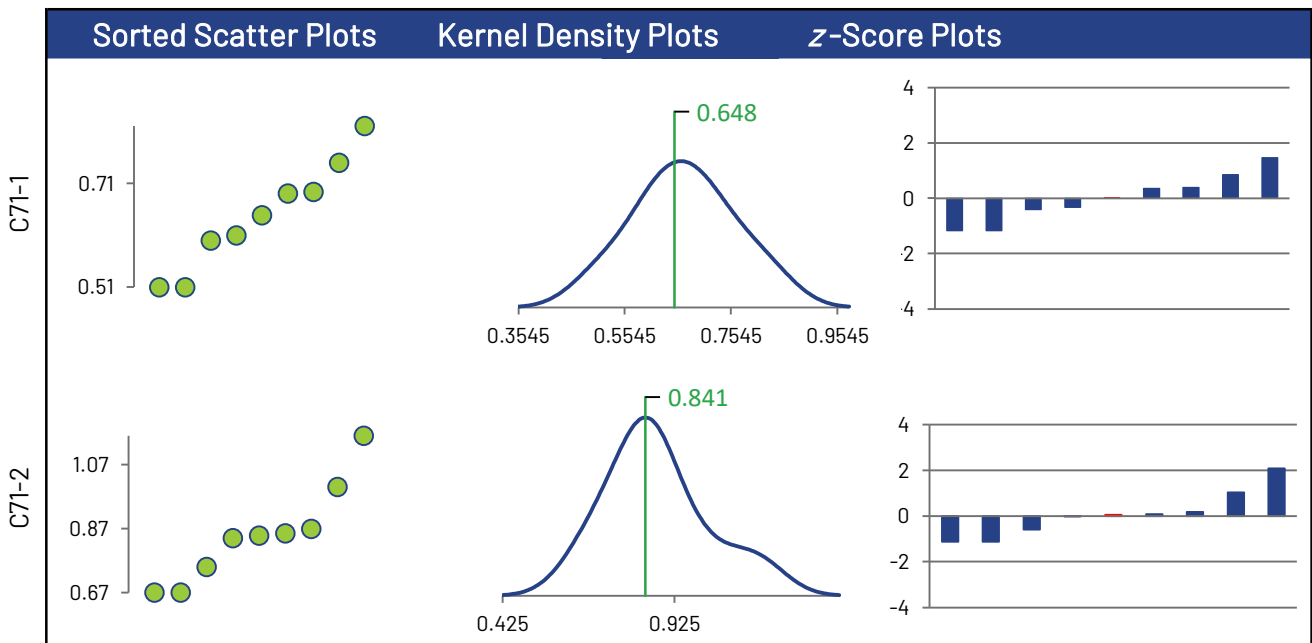
### Summary Statistics

Statistic	C71-1	C71-2	C71-3	C71-4
No. of results used for summary statistics	9	9	0	0
Median µg/g	0.649	0.848		
Robust Mean µg/g	0.648	0.841		
Uncertainty of the Assigned Value µg/g	0.0492	0.0638		
Robust Standard Deviation µg/g	0.118	0.153		
Regression Standard Deviation µg/g				
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	0.118	0.153		
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	0	1	0	0
Failure Rate %*	0.0			

### Methods Used

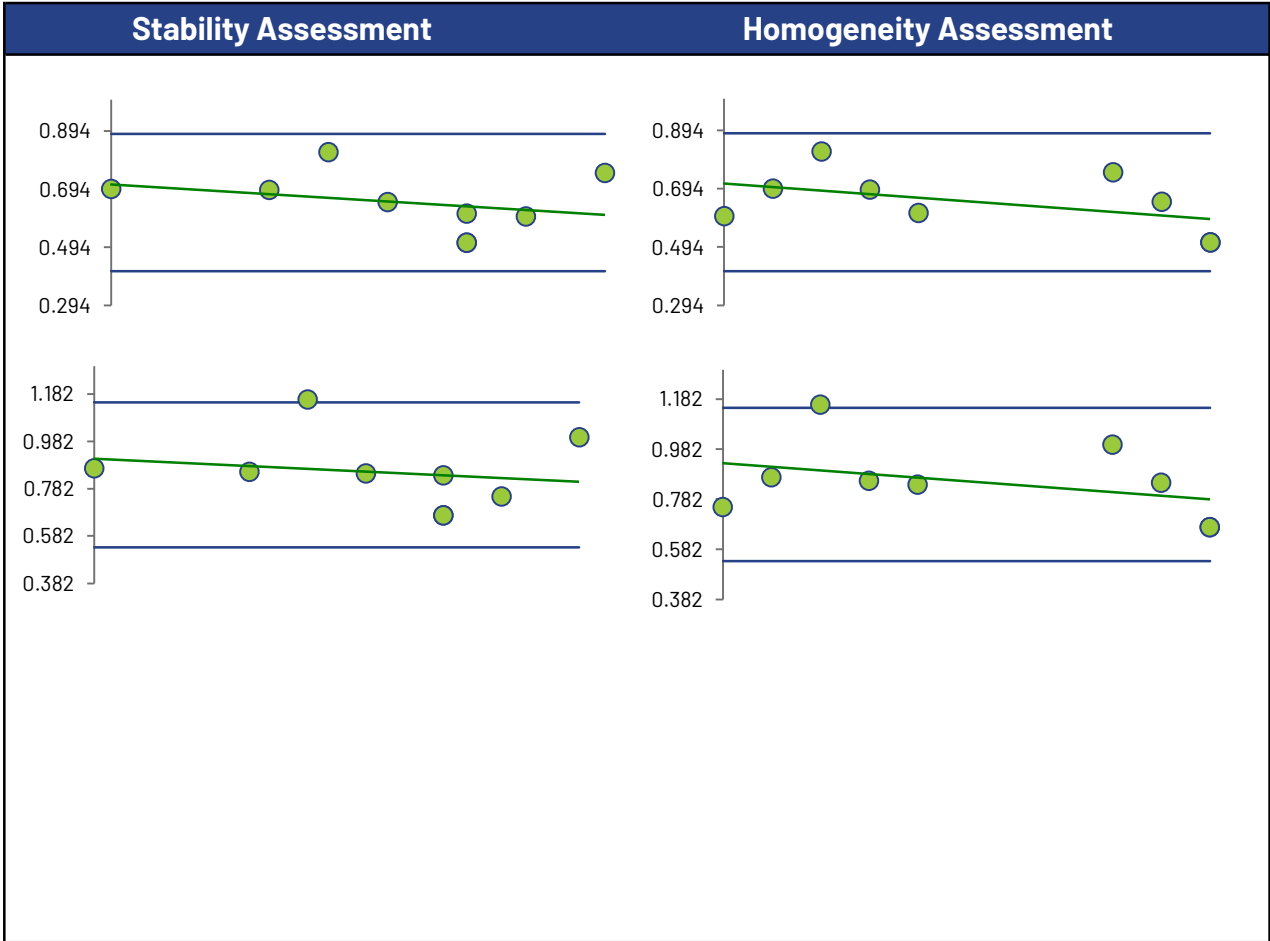
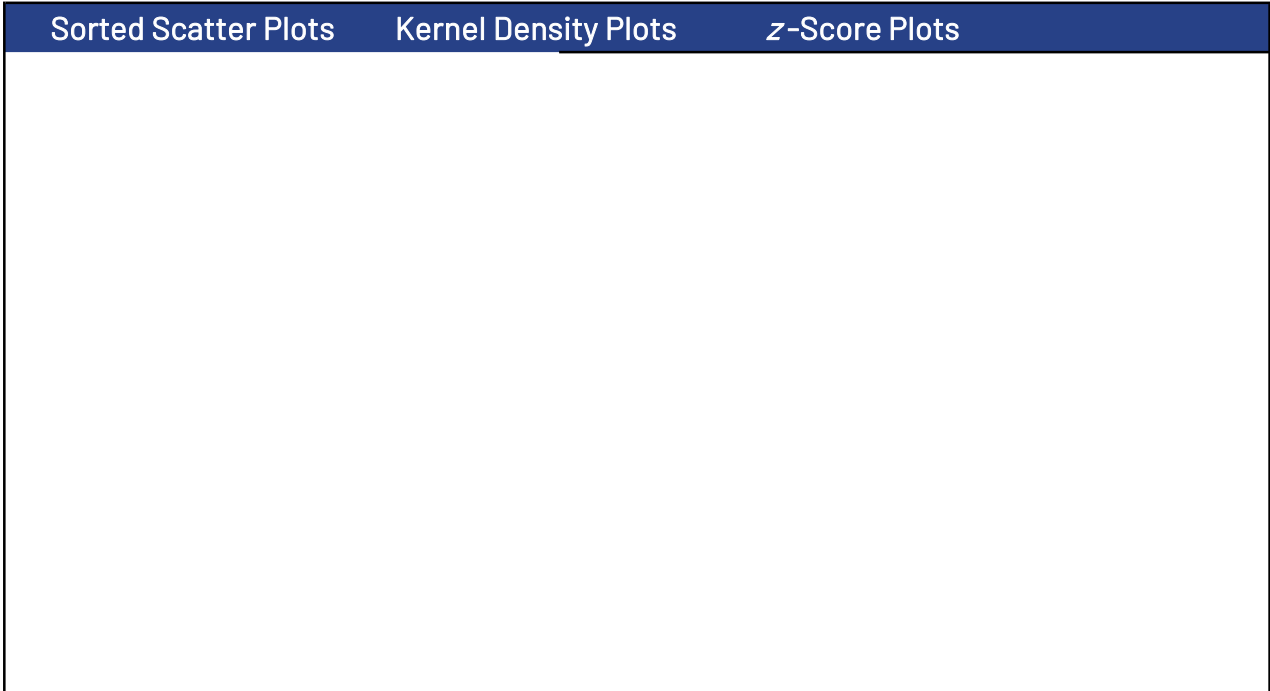
Method	C71-1	C71-2	C71-3	C71-4
LC-MS/MS (Blue)	8	8	0	0
LC/MS (Red)	1	1	0	0

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



\* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

# Trifloxystrobin



## Trifloxystrobin

