

|                                                                 |                         |                         |
|-----------------------------------------------------------------|-------------------------|-------------------------|
| <b>PROJECT: Blythe Street, Wombwell</b>                         | <b>Job No.</b><br>38506 | <b>Date</b><br>29.09.15 |
| <b>SUBJECT: Mean Value Test for Lead within the Made Ground</b> | <b>Prepared</b><br>MM   | <b>Checked</b><br>LED   |
|                                                                 | <b>Sheet No.</b>        |                         |

The method uses the geometric mean rather than the arithmetic mean which is used for other contaminants.

Sample results mg/kg      Log sample results

|               |       |
|---------------|-------|
| <b>35.00</b>  | 1.544 |
| <b>120.00</b> | 2.079 |
| <b>27.00</b>  | 1.431 |
| <b>190.00</b> | 2.279 |
| <b>31.00</b>  | 1.491 |
| <b>37.00</b>  | 1.568 |
| <b>270.00</b> | 2.431 |
| <b>61.00</b>  | 1.785 |
| <b>41.00</b>  | 1.613 |
| <b>36.00</b>  | 1.556 |

#### Calculations based on log results

|                                   |       |
|-----------------------------------|-------|
| Number of results : n             | 10    |
| Mean : X =                        | 1.778 |
| Standard deviation : s            | 0.357 |
| T value : t =                     | 1.833 |
| Corrected mean (95% confidence) = |       |
| = X + t * s / n <sup>0.5</sup> =  | 1.985 |

#### Final results

|            |          |
|------------|----------|
| Mean : X = | 60 mg/kg |
|------------|----------|

|                                          |                 |
|------------------------------------------|-----------------|
| <b>Corrected mean (95% confidence) =</b> | <b>97 mg/kg</b> |
|------------------------------------------|-----------------|