

**Patrick McGrath**  
Cardiff City Council  
Waste Management  
Lamby Way  
Rumney  
Cardiff  
CF3 2HP

Decus Research Limited  
ExCAL House  
Capel Hendre Industrial Estate  
Ammanford  
Carmarthenshire  
SA18 3SJ

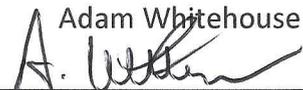
Tel: 01269 844558  
Fax: 01269 841867  
Email: info@decusuk.co.uk

### Certificate of Analysis Number: 2806

Project/Site name:	Ferry Road	Samples Taken:	16-01-2019
Job Number:	-	Samples Received:	22-01-2019
Order Number:	-	Date Instructed:	22-01-2019
Quotation Number:	DS 170612	Analysis Complete:	04-03-2019
Sample Matrix:	Ground Water	Report Issued:	04-03-2019
		Sampled By:	Client

#### Disposal Times:

All water samples will be retained for a period of two weeks and all soil samples retained for a period of one month following the date of the issued certificate.

Approved by: Adam Whitehouse  
Signature:   
Title: Quality Manager



Client: Cardiff City Council  
FAO: Patrick McGrath

**CERTIFICATE OF ANALYSIS 2806**  
Results of analysis of 4 samples received  
on the 22/01/2019

Report Date  
05<sup>th</sup> March 2019

Code	Determinand	Units	*	Sample Identification			
<b>Laboratory Sample Number:</b>				<b>220119001</b>	<b>220119002</b>	<b>220119003</b>	<b>220119004</b>
<b>Client Sample Reference:</b>				B&M	Watkiss	Grangemore	D Drive
<b>Sample Date:</b>				16/01/19	16/01/19	16/01/19	16/01/19
<b>Sample Matrix:</b>				Water	Water	Water	Water
INORG-L12	Ammonia	mg.l <sup>-1</sup> as NH <sub>4</sub>	A	0.46	25	7.8	10.0
INORG-L13	Chloride	mg.l <sup>-1</sup>	A	-	39.4	22.9	58.4
METALS-L	Nickel	µg.l <sup>-1</sup>	A	-	7.8	10.3	2.6
1450	Cadmium	µg.l <sup>-1</sup>	S-N	-	<0.080	<0.080	<0.080
ORG-L17	Mecroprop	µg.l <sup>-1</sup>	A	-	<0.1	<0.1	<0.1
INORG-L12	Ammoniacal Nitrogen	mg.l <sup>-1</sup> as N	A	0.35	19	6.0	7.7
ORG-L05	Xylene	µg.l <sup>-1</sup>	N	-	<1.0	<1.0	<1.0

\* Accreditation Status

Tests marked 'A' hold UKAS accreditation

Tests marked 'N' do not hold UKAS accreditation

Tests marked 'S - A' were sub-contracted to an approved laboratory with accreditation on the specific method

Tests marked 'S - N' were sub-contracted to an approved laboratory without accreditation on the specific method

Any comments or interpretations are beyond the scope of UKAS accreditation



Client: Cardiff City Council  
 FAO: Patrick McGrath

**CERTIFICATE OF ANALYSIS 2806**  
 Results of analysis of 4 samples received  
 on the 22/01/2019

Report Date  
 05<sup>th</sup> March 2019

Analytical Method	Method Code	Accreditation Status
Determination of Ammonia in waters by colorimetric photometer (In-house method)	INORG-L12	ISO 17025
Determination of Ammoniacal Nitrogen in waters by colorimetric photometer (In-house method)	INORG-L12	ISO 17025
Determination of Chloride by colorimetric photometer (In-house method)	INORG-L13	ISO 17025
Determination of metals (Cd,) in waters by ICP-MS (Sub- Contracted method)	1450	ISO 17025
Determination of metals (Ni) in waters by ICP-MS (In-house method)	METALS-L	ISO 17025
Determination of M & P Xylene in water by GC-MS (In-house method)	ORG-L05	None
Determination Mecroprop in water by GC-MS (In-house method)	ORG-L17	ISO 17025

All results only relate to the items tested.

This report supersedes any previous versions issued by the laboratory.

A full list of determinants relating to abbreviations such as PAHs, VOCs, SVOCs, PCBs etc. is available upon request.

Where results have been labelled as deviating for any reason, the data may not be representative of the sample at the point of sampling:

- [I/S]: Insufficient Sample
- [U/S]: Unsuitable Sample
- [A]: Date of Sampling not supplied
- [B]: Sample age exceeds recommended storage time
- [C]: Samples not received in appropriate containers
- [D]: Broken Container
- < "Less Than"
- > "Greater Than"

Where any sub-contracted results have been noted as deviating by the laboratory in question, their deviations codes will be applied and detailed.

Accreditation statements are correct at the time of issue.

This report shall not be reproduced in part without the approval of Decus Research Ltd, nor used in any way as to lead to misrepresentation of the results or their implications.

\*\*\*\*\*END OF REPORT\*\*\*\*\*

\* Accreditation Status

Tests marked 'A' hold UKAS accreditation

Tests marked 'N' do not hold UKAS accreditation

Tests marked 'S - A' were sub-contracted to an approved laboratory with accreditation on the specific method

Tests marked 'S - N' were sub-contracted to an approved laboratory without accreditation on the specific method

Any comments or interpretations are beyond the scope of UKAS accreditation

