

Patrick McGrath
Cardiff City Council
Waste Management
Lamby Way
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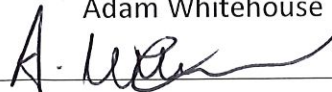
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Certificate of Analysis Number: 2617

| | | | |
|--------------------|--------------|--------------------|------------|
| Project/Site name: | Ferry Road | Samples Taken: | 24-09-2018 |
| Job Number: | - | Samples Received: | 25-09-2018 |
| Order Number: | - | Date Instructed: | 25-09-2018 |
| Quotation Number: | DS 170612 | Analysis Complete: | 31-10-2018 |
| Sample Matrix: | Ground Water | Report Issued: | 13-11-2018 |
| | | 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



4303

Client: Cardiff City Council
FAO: Patrick McGrath

CERTIFICATE OF ANALYSIS 2617
Results of analysis of 4 samples received
on the 25/09/2018

Report Date
13th November 2018

| Code | Determinand | Units | * | Sample Identification | | | |
|----------------------------------|---------------------|---------------------------------------|-----|-----------------------|------------------|------------------|------------------|
| Laboratory Sample Number: | | | | 250918011 | 250918012 | 250918013 | 250918014 |
| Client Sample Reference: | | | | B&M | Watkins | Grangemore | D Drive |
| Sample Date: | | | | 24/09/18 | 24/09/18 | 24/09/18 | 24/09/18 |
| Sample Matrix: | | | | Water | Water | Water | Water |
| INORG-L12 | Ammonia | mg.l ⁻¹ as NH ₄ | A | 0.07 | 47 | 112 | 10 |
| INORG-L13 | Chloride | mg.l ⁻¹ | A | - | 26.8 | 20.9 | 32.0 |
| METALS-L | Nickel | µg.l ⁻¹ | A | - | <1.5 | 4.4 | <1.5 |
| 1450 | Cadmium | µg.l ⁻¹ | S-N | - | 0.096 | <0.080 | 0.11 |
| ORG-L17 | Mecroprop | µg.l ⁻¹ | A | - | <0.1 | 9.9 | 8.0 |
| INORG-L12 | Ammoniacal Nitrogen | mg.l ⁻¹ as N | A | - | 36 | 86 | 8 |
| ORG-L05 | Xylene | µg.l ⁻¹ | N | - | 2.6 | <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



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| 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*****

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