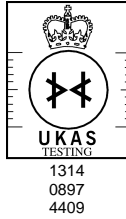


# Certificate of Analysis



Report Number: **COV/1587180/2018**

Issue **1**

Laboratory Number: **17360756**

Sample **2** of **4**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Pond A**

Sample Matrix: **Land Leachate**

Sample Date/Time: **30 July 2018 10:45**

Sample Received: **30 July 2018**

Analysis Complete: **24 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	0.4	mg/l	23/08/2018	Y Cov	WAS049
Copper, Total as Cu	0.011	mg/l	23/08/2018	Y Cov	WAS049
Zinc, Total as Zn	0.237	mg/l	23/08/2018	Y Cov	WAS049
pH	7.4	pH units	31/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	<0.41	mg/l	06/08/2018	Y Cov	WAS036
Sulphate as SO <sub>4</sub>	34.7	mg/l	31/07/2018	N Cov	WAS036
Total Suspended Solids	274	mg/l	06/08/2018	N Cov	WAS006
COD (Total)	99.0	mg/l	20/08/2018	Y Cov	WAS040
Sulphide as S	0.312	mg/l	03/08/2018	N Cov	WAS033
Visible Oil	None	None	31/07/2018	N Cov	Visual Inspec
Methane, Dissolved	<0.010	mg/l	01/08/2018	N Cov	62

## Analyst Comments for 17360756:

This sample has been analysed for Ammoniacal Nitrogen as N, Aluminium, Total as Al, Copper, Total as Cu, Zinc, Total as Zn, COD (Total) outside recommended stability times. It is therefore possible that the results provided may be compromised. {/}\*Ammonia analysed by colorimetric analysis.{\*/}



This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), CTD = Coatbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

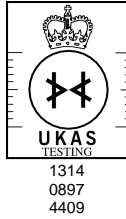
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed: 	Name: 	Date: <b>24 August 2018</b>
	Title: <b>Inorganic Team Leader</b>	

**ALS Environmental Ltd**

Torrington Avenue, Coventry, CV4 9GU  
Tel:+44 (0)24 7642 1213 Fax:+44 (0)24 7685 6575

# Certificate of Analysis



Report Number: **COV/1587180/2018**

Issue **1**

Laboratory Number: **17360757**

Sample **3** of **4**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Pond B**

Sample Matrix: **Land Leachate**

Sample Date/Time: **30 July 2018 10:35**

Sample Received: **30 July 2018**

Analysis Complete: **24 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	23/08/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	23/08/2018	Y Cov	WAS049
Zinc, Total as Zn	<0.018	mg/l	23/08/2018	Y Cov	WAS049
pH	7.2	pH units	31/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	<0.41	mg/l	06/08/2018	Y Cov	WAS036
Sulphate as SO4	98.7	mg/l	31/07/2018	N Cov	WAS036
Total Suspended Solids	26.0	mg/l	06/08/2018	N Cov	WAS006
COD (Total)	32.0	mg/l	20/08/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	03/08/2018	N Cov	WAS033
Visible Oil	None	None	31/07/2018	N Cov	Visual Inspec
Methane, Dissolved	0.022	mg/l	01/08/2018	N Cov	62

## Analyst Comments for 17360757:

This sample has been analysed for Ammoniacal Nitrogen as N, Aluminium, Total as Al, Copper, Total as Cu, Zinc, Total as Zn, COD (Total) outside recommended stability times. It is therefore possible that the results provided may be compromised. {/}\*Ammonia analysed by colorimetric analysis.{\*/}

This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), CTD = Coatbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:

Name:

Date: **24 August 2018**

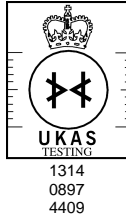
Title:

**Inorganic Team Leader**

**ALS Environmental Ltd**

Torrington Avenue, Coventry, CV4 9GU  
Tel:+44 (0)24 7642 1213 Fax:+44 (0)24 7685 6575

# Certificate of Analysis



Report Number: **COV/1587180/2018**

Issue **1**

Laboratory Number: **17360758**

Sample **4** of **4**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Pond C**

Sample Matrix: **Land Leachate**

Sample Date/Time: **30 July 2018 10:30**

Sample Received: **30 July 2018**

Analysis Complete: **24 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	0.3	mg/l	16/08/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	16/08/2018	Y Cov	WAS049
Zinc, Total as Zn	0.246	mg/l	16/08/2018	Y Cov	WAS049
pH	7.1	pH units	31/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	0.46	mg/l	06/08/2018	Y Cov	WAS036
Sulphate as SO4	64.2	mg/l	31/07/2018	N Cov	WAS036
Total Suspended Solids	116	mg/l	04/08/2018	N Cov	WAS006
COD (Total)	116	mg/l	20/08/2018	Y Cov	WAS040
Sulphide as S	0.062	mg/l	03/08/2018	N Cov	WAS033
Visible Oil	None	None	31/07/2018	N Cov	Visual Inspec
Methane, Dissolved	0.060	mg/l	01/08/2018	N Cov	62

## Analyst Comments for 17360758:

This sample has been analysed for Ammoniacal Nitrogen as N, Aluminium, Total as Al, Copper, Total as Cu, COD (Total) outside recommended stability times. It is therefore possible that the results provided may be compromised. {\*/}Ammonia analysed by colorimetric analysis.{\*/}

This issue replaces all previous issues

Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH5 3US), CTD = Coatbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.

I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:

Name:

Date: **24 August 2018**

Title:

**Inorganic Team Leader**