

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

02 March 2018

Test Report: COV/1506859/2018

Dear ██████████

Analysis of your sample(s) submitted on 12 February 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

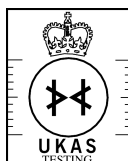
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **02 March 2018**

Report Number: **COV/1506859/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **12 February 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **13 February 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **02 March 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

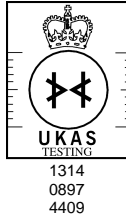
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1506859/2018**

Issue **1**

Laboratory Number: **16847014**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Leachate Sample**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **12 February 2018**

Analysis Complete: **26 February 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	23/02/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	23/02/2018	Y Cov	WAS049
Zinc, Total as Zn	0.666	mg/l	23/02/2018	Y Cov	WAS049
pH	7.9	pH units	13/02/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	319	mg/l	13/02/2018	Y Cov	WAS055
Sulphate as SO ₄	54.8	mg/l	13/02/2018	N Cov	WAS036
Total Suspended Solids	47.0	mg/l	23/02/2018	N Cov	WAS006
COD (Total)	432	mg/l	25/02/2018	Y Cov	WAS040
Sulphide as S	0.037	mg/l	21/02/2018	N Cov	WAS033
Visible Oil	None	None	13/02/2018	N Cov	Visual Inspec
Methane, Dissolved	5.7	mg/l	20/02/2018	N Cov	62

Analyst Comments for 16847014:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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: 02 March 2018
		Title: Inorganic Team Leader	

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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

05 March 2018

Test Report: COV/1510207/2018

Dear ██████████

Analysis of your sample(s) submitted on 19 February 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Chemistry Operations Manager



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **05 March 2018**

Report Number: **COV/1510207/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **19 February 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **19 February 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **05 March 2018**

Title:

Chemistry Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

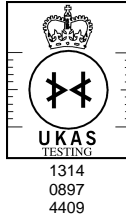
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Certificate of Analysis



Report Number: **COV/1510207/2018**

Issue **1**

Laboratory Number: **16867270**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **19 February 2018**

Analysis Complete: **05 March 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	01/03/2018	Y Cov	WAS049
Copper, Total as Cu	0.011	mg/l	01/03/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	01/03/2018	Y Cov	WAS049
pH	8.0	pH units	20/02/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	262	mg/l	20/02/2018	Y Cov	WAS055
Sulphate as SO ₄	85.4	mg/l	20/02/2018	N Cov	WAS036
Total Suspended Solids	8.00	mg/l	05/03/2018	N Cov	WAS006
COD (Total)	432	mg/l	05/03/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	02/03/2018	N Cov	WAS033
Visible Oil	No	None	19/02/2018	N Cov	Visual Inspec
Methane, Dissolved	0.057	mg/l	22/02/2018	N Cov	62

Analyst Comments for 16867270:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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: 05 March 2018
		Title: Chemistry Operations Manager	

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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

12 March 2018

Test Report: COV/1513812/2018

Dear ██████████

Analysis of your sample(s) submitted on 26 February 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **12 March 2018**

Report Number: **COV/1513812/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **26 February 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **26 February 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **12 March 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

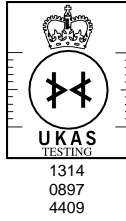
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Certificate of Analysis



Report Number: **COV/1513812/2018**

Issue **1**

Laboratory Number: **16889681**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **26 February 2018**

Analysis Complete: **12 March 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	09/03/2018	Y Cov	WAS049
Copper, Total as Cu	0.012	mg/l	09/03/2018	Y Cov	WAS049
Zinc, Total as Zn	0.291	mg/l	09/03/2018	Y Cov	WAS049
pH	8.3	pH units	27/02/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	243	mg/l	27/02/2018	Y Cov	WAS055
Sulphate as SO4	85.5	mg/l	27/02/2018	N Cov	WAS036
Total Suspended Solids	15.0	mg/l	08/03/2018	N Cov	WAS006
COD (Total)	382	mg/l	12/03/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	06/03/2018	N Cov	WAS033
Visible Oil	No	None	26/02/2018	N Cov	Visual Inspec
Methane, Dissolved	0.029	mg/l	06/03/2018	N Cov	62

Analyst Comments for 16889681:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. It is therefore possible that the results provided may be compromised. {/*}Ammonia analysed by colorimetric analysis.{/*}

Sample re-extracted for Dissolved Methane due to quality failure. The sample container was not filled in accordance with our filling instructions (headspace). It's therefore possible that the result provided may be compromised.

This issue replaces all previous issues

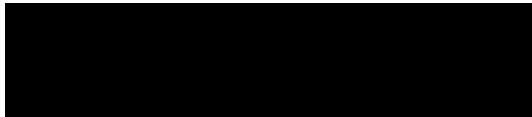
Accreditation Codes: Y = UKAS / ISO17025 Accredited, N = Not UKAS / ISO17025 Accredited, M = MCERTS.

Analysed at: CHE = Chester(CH4 9EP), 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: **12 March 2018**

Title:

Organic Team Leader

ALS Environmental Ltd

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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

13 April 2018

Test Report: COV/1526568/2018

Dear ██████████

Analysis of your sample(s) submitted on 26 March 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **13 April 2018**

Report Number: **COV/1526568/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **26 March 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **27 March 2018**

Signed:



Name:



Date: **13 April 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

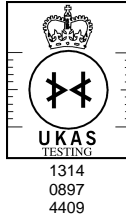
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Certificate of Analysis



Report Number: **COV/1526568/2018**

Issue **1**

Laboratory Number: **16973043**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **26 March 2018**

Analysis Complete: **12 April 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	11/04/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	11/04/2018	Y Cov	WAS049
Zinc, Total as Zn	0.136	mg/l	11/04/2018	Y Cov	WAS049
pH	8.1	pH units	27/03/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	214	mg/l	27/03/2018	Y Cov	WAS055
Sulphate as SO ₄	273	mg/l	27/03/2018	N Cov	WAS036
Total Suspended Solids	12.0	mg/l	11/04/2018	N Cov	WAS006
COD (Total)	383	mg/l	11/04/2018	Y Cov	WAS040
Sulphide as S	0.079	mg/l	03/04/2018	N Cov	WAS033
Visible Oil	no	None	27/03/2018	N Cov	Visual Inspec
Methane, Dissolved	Analyst Com	mg/l	05/04/2018	N Cov	62

Analyst Comments for 16973043:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. It is therefore possible that the results provided may be compromised. {(*)}Ammonia analysed by colorimetric analysis.

Unable to confirm result for Dissolved Methane analysis due to result mismatch.{(*)}



This issue replaces all previous issues

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Analysed at: CHE = Chester(CH4 9EP), 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: 13 April 2018
	Title: Inorganic Team Leader	

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

19 April 2018

Test Report: COV/1529471/2018

Dear ██████████

Analysis of your sample(s) submitted on 04 April 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **19 April 2018**

Report Number: **COV/1529471/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **04 April 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **04 April 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **19 April 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

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Certificate of Analysis



Report Number: **COV/1529471/2018**

Issue **1**

Laboratory Number: **16991022**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **sample**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **04 April 2018**

Analysis Complete: **19 April 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	18/04/2018	N Cov	WAS049
Copper, Total as Cu	0.013	mg/l	18/04/2018	N Cov	WAS049
Zinc, Total as Zn	0.114	mg/l	18/04/2018	N Cov	WAS049
pH	8.1	pH units	04/04/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	162	mg/l	04/04/2018	N Cov	WAS055
Sulphate as SO4	228	mg/l	04/04/2018	N Cov	WAS036
Total Suspended Solids	14.0	mg/l	18/04/2018	N Cov	WAS006
COD (Total)	330	mg/l	18/04/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	11/04/2018	N Cov	WAS033
Visible Oil	No	None	17/04/2018	N Cov	Visual Inspec
Methane, Dissolved	<0.010	mg/l	06/04/2018	N Cov	62

Analyst Comments for 16991022:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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:	19 April 2018
		Title:	Organic Team Leader		

ALS Environmental Ltd

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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

25 April 2018

Test Report: COV/1532281/2018

Dear ██████████

Analysis of your sample(s) submitted on 09 April 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **25 April 2018**

Report Number: **COV/1532281/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **09 April 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **10 April 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **25 April 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1532281/2018**

Issue **1**

Laboratory Number: **17009050**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **09 April 2018**

Analysis Complete: **24 April 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	23/04/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	23/04/2018	N Cov	WAS049
Zinc, Total as Zn	0.112	mg/l	23/04/2018	N Cov	WAS049
pH	8.4	pH units	10/04/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	260	mg/l	11/04/2018	N Cov	WAS055
Sulphate as SO ₄	184	mg/l	16/04/2018	N Cov	WAS036
Total Suspended Solids	8.00	mg/l	23/04/2018	N Cov	WAS006
COD (Total)	401	mg/l	23/04/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	19/04/2018	N Cov	WAS033
Visible Oil	None	None	10/04/2018	N Cov	Visual Inspec
Methane, Dissolved	<0.010	mg/l	13/04/2018	N Cov	62

Analyst Comments for 17009050:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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: 25 April 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

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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

30 April 2018

Test Report: COV/1535372/2018

Dear ██████████

Analysis of your sample(s) submitted on 16 April 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

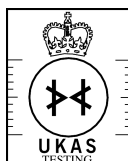
Signed: ██████████

Name: ██████████

Title: Organic Operations Manager



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **30 April 2018**

Report Number: **COV/1535372/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **16 April 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **16 April 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **30 April 2018**

Title:

Organic Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

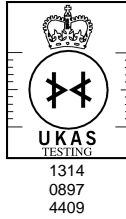
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Certificate of Analysis



Report Number: **COV/1535372/2018**

Issue **1**

Laboratory Number: **17027758**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **16 April 2018**

Analysis Complete: **30 April 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	27/04/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	27/04/2018	Y Cov	WAS049
Zinc, Total as Zn	0.109	mg/l	27/04/2018	Y Cov	WAS049
pH	8.4	pH units	27/04/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	253	mg/l	19/04/2018	Y Cov	WAS055
Sulphate as SO4	164	mg/l	17/04/2018	N Cov	WAS036
Total Suspended Solids	48.0	mg/l	30/04/2018	N Cov	WAS006
COD (Total)	376	mg/l	29/04/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	27/04/2018	N Cov	WAS033
Visible Oil	No	None	16/04/2018	N Cov	Visual Inspec
Methane, Dissolved	<0.010	mg/l	23/04/2018	N Cov	62

Analyst Comments for 17027758:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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: 30 April 2018
		Title: Organic Operations Manager	

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

08 May 2018

Test Report: COV/1539325/2018

Dear ██████████

Analysis of your sample(s) submitted on 23 April 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **08 May 2018**

Report Number: **COV/1539325/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **23 April 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **24 April 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **08 May 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1539325/2018**

Issue **1**

Laboratory Number: **17052050**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **23 April 2018**

Analysis Complete: **08 May 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	04/05/2018	N Cov	WAS049
Copper, Total as Cu	0.015	mg/l	04/05/2018	N Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	04/05/2018	N Cov	WAS049
pH	8.4	pH units	02/05/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	208	mg/l	26/04/2018	N Cov	WAS055
Sulphate as SO4	150	mg/l	24/04/2018	N Cov	WAS036
Total Suspended Solids	4.00	mg/l	08/05/2018	N Cov	WAS006
COD (Total)	331	mg/l	04/05/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	04/05/2018	N Cov	WAS033
Visible Oil	None	None	24/04/2018	N Cov	Visual Inspec
Methane, Dissolved	0.013	mg/l	30/04/2018	N Cov	62

Analyst Comments for 17052050:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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(CH4 9EP), 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: 08 May 2018
		Title: Inorganic Team Leader	

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Tel:+44 (0)24 7642 1213 Fax:+44 (0)24 7685 6575

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Coventry
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

14 May 2018

Test Report: COV/1543032/2018

Dear ██████████

Analysis of your sample(s) submitted on 27 April 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **14 May 2018**

Report Number: **COV/1543032/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Telford & wrekin council

Number of Samples
included in this report **1**

Job Received: **27 April 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **01 May 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **14 May 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

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Certificate of Analysis



Report Number: **COV/1543032/2018**

Issue **1**

Laboratory Number: **17072494**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **27 April 2018**

Analysis Complete: **14 May 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	11/05/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	11/05/2018	N Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	11/05/2018	N Cov	WAS049
pH	8.2	pH units	04/05/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	235	mg/l	03/05/2018	N Cov	WAS055
Sulphate as SO4	117	mg/l	02/05/2018	N Cov	WAS036
Total Suspended Solids	14.0	mg/l	14/05/2018	N Cov	WAS006
COD (Total)	343	mg/l	04/05/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	11/05/2018	N Cov	WAS033
Visible Oil	No	None	01/05/2018	N Cov	Visual Inspec
Methane, Dissolved	0.015	mg/l	08/05/2018	N Cov	62

Analyst Comments for 17072494:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 14 May 2018
		Title: Inorganic Team Leader	

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

21 May 2018

Test Report: COV/1546267/2018

Dear ██████████

Analysis of your sample(s) submitted on 08 May 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

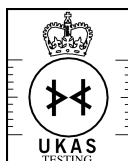
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **21 May 2018**

Report Number: **COV/1546267/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **08 May 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **08 May 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **21 May 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

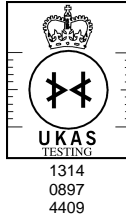
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Certificate of Analysis



Report Number: **COV/1546267/2018**

Issue **1**

Laboratory Number: **17090706**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **08 May 2018**

Analysis Complete: **21 May 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	19/05/2018	Y Cov	WAS049
Copper, Total as Cu	0.011	mg/l	19/05/2018	Y Cov	WAS049
Zinc, Total as Zn	0.07	mg/l	19/05/2018	Y Cov	WAS049
pH	8.4	pH units	13/05/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	184	mg/l	08/05/2018	Y Cov	WAS055
Sulphate as SO ₄	103	mg/l	09/05/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	20/05/2018	N Cov	WAS006
COD (Total)	342	mg/l	09/05/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	17/05/2018	N Cov	WAS033
Visible Oil	No	None	08/05/2018	N Cov	Visual Inspec
Methane, Dissolved	0.017	mg/l	10/05/2018	N Cov	62

Analyst Comments for 17090706:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 21 May 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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

29 May 2018

Test Report: COV/1549186/2018

Dear ██████████

Analysis of your sample(s) submitted on 14 May 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **29 May 2018**

Report Number: **COV/1549186/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **14 May 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **15 May 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **29 May 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1549186/2018**

Issue **1**

Laboratory Number: **17109936**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill**

Sample Matrix: **Not In Project**

Sample Date/Time:

Sample Received: **14 May 2018**

Analysis Complete: **29 May 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	24/05/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	24/05/2018	N Cov	WAS049
Zinc, Total as Zn	0.07	mg/l	24/05/2018	N Cov	WAS049
pH	8.3	pH units	16/05/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	189	mg/l	18/05/2018	N Cov	WAS055
Sulphate as SO4	83.7	mg/l	15/05/2018	N Cov	WAS036
Total Suspended Solids	10.0	mg/l	24/05/2018	N Cov	WAS006
COD (Total)	359	mg/l	25/05/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	29/05/2018	N Cov	WAS033
Visible Oil	NO	None	15/05/2018	N Cov	Visual Inspec
Methane, Dissolved	0.032	mg/l	15/05/2018	N Cov	62

Analyst Comments for 17109936:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 29 May 2018
		Title: Inorganic Team Leader	

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

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

05 June 2018

Test Report: COV/1553152/2018

Dear ██████████

Analysis of your sample(s) submitted on 21 May 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **05 June 2018**

Report Number: **COV/1553152/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **21 May 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **22 May 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **05 June 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

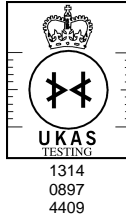
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Certificate of Analysis



Report Number: **COV/1553152/2018**

Issue **1**

Laboratory Number: **17133440**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Water Sample**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **21 May 2018**

Analysis Complete: **05 June 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	04/06/2018	Y Cov	WAS049
Copper, Total as Cu	0.009	mg/l	04/06/2018	Y Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	04/06/2018	Y Cov	WAS049
pH	8.0	pH units	27/05/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	215	mg/l	23/05/2018	Y Cov	WAS055
Sulphate as SO4	74.6	mg/l	23/05/2018	N Cov	WAS036
Total Suspended Solids	8.00	mg/l	24/05/2018	N Cov	WAS006
COD (Total)	354	mg/l	30/05/2018	Y Cov	WAS040
Sulphide as S	0.021	mg/l	04/06/2018	N Cov	WAS033
Visible Oil	None	None	22/05/2018	N Cov	Visual Inspec
Methane, Dissolved	0.011	mg/l	31/05/2018	N Cov	62

Analyst Comments for 17133440:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 05 June 2018
		Title: Inorganic Team Leader	

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Torrington Avenue, Coventry, CV4 9GU
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Structures & Geotechnics
Whitechapel House
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Telford TF2 9FN
Shropshire

11 June 2018

Test Report: COV/1556512/2018

Dear ██████████

Analysis of your sample(s) submitted on 28 May 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

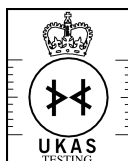
Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **11 June 2018**

Report Number: **COV/1556512/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2014

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **28 May 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **29 May 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **11 June 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

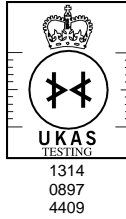
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Certificate of Analysis



Report Number: **COV/1556512/2018**

Issue **1**

Laboratory Number: **17154604**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **28 May 2018**

Analysis Complete: **11 June 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	07/06/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	07/06/2018	Y Cov	WAS049
Zinc, Total as Zn	0.10	mg/l	07/06/2018	Y Cov	WAS049
pH	8.3	pH units	01/06/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	159	mg/l	30/05/2018	Y Cov	WAS055
Sulphate as SO4	73.5	mg/l	29/05/2018	N Cov	WAS036
Total Suspended Solids	10.0	mg/l	01/06/2018	N Cov	WAS006
COD (Total)	282	mg/l	30/05/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	08/06/2018	N Cov	WAS033
Visible Oil	No	None	29/05/2018	N Cov	Visual Inspec
Methane, Dissolved	<0.010	mg/l	31/05/2018	N Cov	62

Analyst Comments for 17154604:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	11 June 2018
		Title:	Organic Team Leader		

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

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Coventry
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

15 June 2018

Test Report: COV/1559625/2018

Dear ██████████

Analysis of your sample(s) submitted on 04 June 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **15 June 2018**

Report Number: **COV/1559625/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **04 June 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **05 June 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **15 June 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

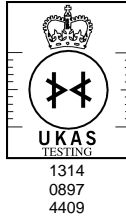
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Certificate of Analysis



Report Number: **COV/1559625/2018**

Issue **1**

Laboratory Number: **17175674**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill Leachate**

Sample Matrix: **Land Leachate**

Sample Date/Time: **04 June 2018 09:30**

Sample Received: **04 June 2018**

Analysis Complete: **15 June 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	14/06/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	14/06/2018	Y Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	14/06/2018	Y Cov	WAS049
pH	8.2	pH units	05/06/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	179	mg/l	06/06/2018	Y Cov	WAS055
Sulphate as SO4	69.3	mg/l	05/06/2018	N Cov	WAS036
Total Suspended Solids	14.0	mg/l	11/06/2018	N Cov	WAS006
COD (Total)	301	mg/l	11/06/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	12/06/2018	N Cov	WAS033
Visible Oil	None	None	05/06/2018	N Cov	Visual Inspec
Methane, Dissolved	0.023	mg/l	07/06/2018	N Cov	62

Analyst Comments for 17175674:

This sample has been analysed for 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:	15 June 2018
		Title:	Organic Team Leader		

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Torrington Avenue, Coventry, CV4 9GU
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Torrington Avenue
Coventry
CV4 9GU

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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

27 June 2018

Test Report: COV/1563057/2018

Dear ██████████

Analysis of your sample(s) submitted on 11 June 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **27 June 2018**

Report Number: **COV/1563057/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Telford & Wrekin Council

Number of Samples
included in this report **1**

Job Received: **11 June 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **12 June 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **27 June 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1563057/2018**

Issue **1**

Laboratory Number: **17198450**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **11 June 2018**

Analysis Complete: **26 June 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	25/06/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	25/06/2018	N Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	25/06/2018	N Cov	WAS049
pH	8.1	pH units	18/06/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	203	mg/l	13/06/2018	N Cov	WAS055
Sulphate as SO4	69.0	mg/l	12/06/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	25/06/2018	N Cov	WAS006
COD (Total)	384	mg/l	25/06/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	25/06/2018	N Cov	WAS033
Visible Oil	no	None	12/06/2018	N Cov	Visual Inspec
Methane, Dissolved	0.027	mg/l	13/06/2018	N Cov	62

Analyst Comments for 17198450:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 27 June 2018
		Title: Inorganic Team Leader	

ALS Environmental Ltd

Torrington Avenue, Coventry, CV4 9GU
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Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **03 July 2018**

Report Number: **COV/1566797/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **18 June 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **19 June 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **03 July 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

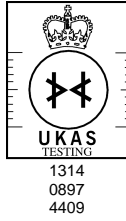
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Certificate of Analysis



Report Number: **COV/1566797/2018**

Issue **1**

Laboratory Number: **17221975**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **18 June 2018**

Analysis Complete: **03 July 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	28/06/2018	Y Cov	WAS049
Copper, Total as Cu	0.022	mg/l	28/06/2018	Y Cov	WAS049
Zinc, Total as Zn	0.123	mg/l	28/06/2018	Y Cov	WAS049
pH	7.1	pH units	27/06/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	312	mg/l	21/06/2018	Y Cov	WAS055
Sulphate as SO4	67.2	mg/l	20/06/2018	N Cov	WAS036
Total Suspended Solids	46.0	mg/l	29/06/2018	N Cov	WAS006
COD (Total)	443	mg/l	02/07/2018	Y Cov	WAS040
Sulphide as S	0.040	mg/l	29/06/2018	N Cov	WAS033
Visible Oil	No	None	19/06/2018	N Cov	Visual Inspec
Methane, Dissolved	0.014	mg/l	21/06/2018	N Cov	62

Analyst Comments for 17221975:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 03 July 2018
		Title: Organic Team Leader	

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

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Torrington Avenue
Coventry
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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

10 July 2018

Test Report: COV/1569431/2018

Dear ██████████

Analysis of your sample(s) submitted on 25 June 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

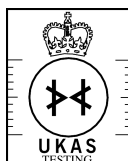
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **10 July 2018**

Report Number: **COV/1569431/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **25 June 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **25 June 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **10 July 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

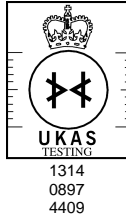
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Certificate of Analysis



Report Number: **COV/1569431/2018**

Issue **1**

Laboratory Number: **17240369**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **25 June 2018**

Analysis Complete: **10 July 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	06/07/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	06/07/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	06/07/2018	Y Cov	WAS049
pH	8.4	pH units	26/06/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	286	mg/l	27/06/2018	Y Cov	WAS055
Sulphate as SO4	72.3	mg/l	27/06/2018	N Cov	WAS036
Total Suspended Solids	132	mg/l	09/07/2018	N Cov	WAS006
COD (Total)	472	mg/l	09/07/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	03/07/2018	N Cov	WAS033
Visible Oil	no	None	25/06/2018	N Cov	Visual Inspec
Methane, Dissolved	0.013	mg/l	26/06/2018	N Cov	62

Analyst Comments for 17240369:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. It is therefore possible that the results provided may be compromised.

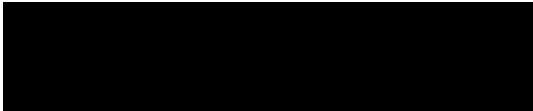

This issue replaces all previous issues

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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: **10 July 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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
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Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

30 July 2018

Test Report: COV/1576406/2018

Dear ██████████

Analysis of your sample(s) submitted on 09 July 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **30 July 2018**

Report Number: **COV/1576406/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **09 July 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **09 July 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **30 July 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

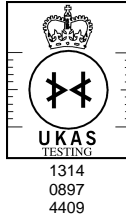
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Certificate of Analysis



Report Number: **COV/1576406/2018**

Issue **1**

Laboratory Number: **17288109**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **09 July 2018**

Analysis Complete: **30 July 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	27/07/2018	Y Cov	WAS049
Copper, Total as Cu	0.010	mg/l	27/07/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	27/07/2018	Y Cov	WAS049
pH	8.1	pH units	10/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	188	mg/l	17/07/2018	Y Cov	WAS055
Sulphate as SO4	98.8	mg/l	10/07/2018	N Cov	WAS036
Total Suspended Solids	3.00	mg/l	23/07/2018	N Cov	WAS006
COD (Total)	399	mg/l	24/07/2018	Y Cov	WAS040
Sulphide as S	0.023	mg/l	11/07/2018	N Cov	WAS033
Visible Oil	No	None	09/07/2018	N Cov	Visual Inspec
Methane, Dissolved	0.020	mg/l	10/07/2018	N Cov	62

Analyst Comments for 17288109:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 30 July 2018
		Title: Inorganic Team Leader	

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Torrington Avenue, Coventry, CV4 9GU
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Coventry
CV4 9GU

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

07 August 2018

Test Report: COV/1579994/2018

Dear ██████████

Analysis of your sample(s) submitted on 16 July 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Operations Manager



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **07 August 2018**

Report Number: **COV/1579994/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **16 July 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **17 July 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **07 August 2018**

Title:

Organic Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1579994/2018**

Issue **1**

Laboratory Number: **17313111**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **16 July 2018**

Analysis Complete: **07 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	06/08/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	06/08/2018	N Cov	WAS049
Zinc, Total as Zn	0.10	mg/l	06/08/2018	N Cov	WAS049
pH	7.9	pH units	20/07/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	230	mg/l	21/07/2018	N Cov	WAS055
Sulphate as SO4	53.7	mg/l	18/07/2018	N Cov	WAS036
Total Suspended Solids	7.00	mg/l	30/07/2018	N Cov	WAS006
COD (Total)	478	mg/l	02/08/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	17/07/2018	N Cov	WAS033
Visible Oil	None	None	17/07/2018	N Cov	Visual Inspec
Methane, Dissolved	0.061	mg/l	18/07/2018	N Cov	62

Analyst Comments for 17313111:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	07 August 2018
		Title:	Organic Operations Manager		

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

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Coventry
CV4 9GU

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

15 August 2018

Test Report: COV/1583475/2018

Dear ██████████

Analysis of your sample(s) submitted on 23 July 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **15 August 2018**

Report Number: **COV/1583475/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **23 July 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **23 July 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **15 August 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

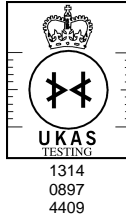
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Certificate of Analysis



Report Number: **COV/1583475/2018**

Issue **1**

Laboratory Number: **17336335**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **23 July 2018**

Analysis Complete: **15 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	14/08/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	14/08/2018	Y Cov	WAS049
Zinc, Total as Zn	0.111	mg/l	14/08/2018	Y Cov	WAS049
pH	8.0	pH units	28/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	297	mg/l	25/07/2018	Y Cov	WAS055
Sulphate as SO4	53.2	mg/l	25/07/2018	N Cov	WAS036
Total Suspended Solids	19.0	mg/l	04/08/2018	N Cov	WAS006
COD (Total)	486	mg/l	10/08/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	25/07/2018	N Cov	WAS033
Visible Oil	No	None	23/07/2018	N Cov	Visual Inspec
Methane, Dissolved	0.020	mg/l	27/07/2018	N Cov	62

Analyst Comments for 17336335:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 15 August 2018
		Title: Organic Team Leader	

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

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Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

24 August 2018

Test Report: COV/1587180/2018

Dear ██████████

Analysis of your sample(s) submitted on 30 July 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

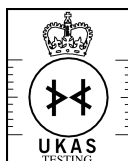
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **24 August 2018**

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

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **4**

Job Received: **30 July 2018**

Number of Test Results
included in this report **44**

Analysis Commenced: **31 July 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **24 August 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

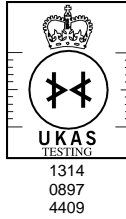
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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Certificate of Analysis



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

Issue **1**

Laboratory Number: **17360755**

Sample **1** of **4**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Wheel wash**

Sample Matrix: **Land Leachate**

Sample Date/Time: **30 July 2018 09:30**

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	0.09	mg/l	23/08/2018	Y Cov	WAS049
pH	8.1	pH units	31/07/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	202	mg/l	06/08/2018	Y Cov	WAS055
Sulphate as SO4	54.5	mg/l	31/07/2018	N Cov	WAS036
Total Suspended Solids	9.00	mg/l	04/08/2018	N Cov	WAS006
COD (Total)	432	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	0.024	mg/l	01/08/2018	N Cov	62

Analyst Comments for 17360755:

This sample has been analysed for Aluminium, Total as Al, Copper, Total as Cu, Zinc, Total as Zn, Ammoniacal Nitrogen as N, 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.

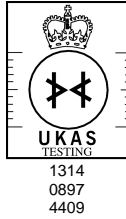
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

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: **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 SO4	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.

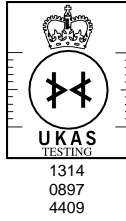
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:		Name:	Date: 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: **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.

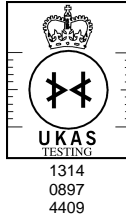
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

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	

ALS Environmental Ltd

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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

05 September 2018

Test Report: COV/1590093/2018

Dear ██████████

Analysis of your sample(s) submitted on 06 August 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **05 September 2018**

Report Number: **COV/1590093/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **06 August 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **06 August 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **05 September 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

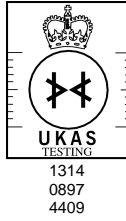
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1590093/2018**

Issue **1**

Laboratory Number: **17379294**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **06 August 2018**

Analysis Complete: **29 August 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	17/08/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	17/08/2018	Y Cov	WAS049
Zinc, Total as Zn	0.06	mg/l	17/08/2018	Y Cov	WAS049
pH	8.1	pH units	07/08/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	258	mg/l	09/08/2018	Y Cov	WAS055
Sulphate as SO ₄	29.8	mg/l	07/08/2018	N Cov	WAS036
Total Suspended Solids	20.0	mg/l	11/08/2018	N Cov	WAS006
Sulphide as S	<0.020	mg/l	07/08/2018	N Cov	WAS033
Visible Oil	no	None	06/08/2018	N Cov	Visual Inspec
COD Unfiltered	412	mg/l	28/08/2018	Y S	SUBCON
Methane, Dissolved	0.051	mg/l	14/08/2018	N Cov	62

Analyst Comments for 17379294:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: **05 September 2018**
Title: **Inorganic Team Leader**



Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US

Tel: (01244) 528700

Fax: (01244) 528701

email: hawardencustomerservices@alsglobal.com

Website: www.alsenvironmental.co.uk

ALS Environmental Limited
Torrington Avenue
Tilehill
Coventry
West Midlands
CV4 9GU

Attention: Subcon .

CERTIFICATE OF ANALYSIS

Date: 25 August 2018
Customer: H_ALSENV_COV
Sample Delivery Group (SDG): 180822-112
Your Reference:
Location: Coventry
Report No: 469772

We received 15 samples on Tuesday August 21, 2018 and 15 of these samples were scheduled for analysis which was completed on Saturday August 25, 2018. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Approved By:

Operations Manager



CERTIFICATE OF ANALYSIS

Validated

SDG: 180822-112
Location: Coventry

Client Reference:
Order Number:

Report Number: 469772
Superseded Report:

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
18171536	17374597			
18171538	17374598			
18171534	17374599			
18171545	17374910			
18171530	17375588			
18171540	17379030			
18171543	17379031			
18171539	17379032			
18171542	17379033			
18171541	17379294			
18171532	17381195			
18171533	17381196			
18171544	17381916			
18171535	17381955			
18171537	17381956			

Maximum Sample/Coolbox Temperature (°C) :

12.6

ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 180822-112
Location: Coventry

Client Reference:
Order Number:

Report Number: 469772
Superseded Report:

Results Legend

- X Test
- N No Determination Possible

Sample Types -

- S - Soil/Solid
- UNS - Unspecified Solid
- GW - Ground Water
- SW - Surface Water
- LE - Land Leachate
- PL - Prepared Leachate
- PR - Process Water
- SA - Saline Water
- TE - Trade Effluent
- TS - Treated Sewage
- US - Untreated Sewage
- RE - Recreational Water
- DW - Drinking Water Non-regulatory
- UNL - Unspecified Liquid
- SL - Sludge
- G - Gas
- OTH - Other

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
18171537	17381956			Tube for ICP MS	UNL
18171535	17381955			Tube for ICP MS	UNL
18171544	17381916			Tube for ICP MS	UNL
18171533	17381196			Tube for ICP MS	UNL
18171532	17381195			Tube for ICP MS	UNL
18171541	17379294			Tube for ICP MS	UNL
18171542	17379033			Tube for ICP MS	UNL
18171539	17379032			Tube for ICP MS	UNL
18171543	17379031			Tube for ICP MS	UNL
18171540	17379030			Tube for ICP MS	UNL
18171530	17375588			Tube for ICP MS	UNL
18171545	17374910			Tube for ICP MS	UNL
18171534	17374599			Tube for ICP MS	UNL
18171538	17374598			Tube for ICP MS	UNL
18171536	17374597			Tube for ICP MS	UNL
					NDPs: 0 Tests: 15
					X X X X X X X X X X X X X X X

COD Unfiltered

All



CERTIFICATE OF ANALYSIS

Validated

SDG: 180822-112
Location: Coventry

Client Reference:
Order Number:

Report Number: 469772
Superseded Report:

Table of Results - Appendix

Method No	Reference	Description
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

Validated

SDG: 180822-112
Location: Coventry

Client Reference:
Order Number:

Report Number: 469772
Superseded Report:

Test Completion Dates

Lab Sample No(s)	18171536	18171538	18171534	18171545	18171530	18171540	18171543	18171539	18171542	18171541
Customer Sample Ref.	17374597	17374598	17374599	17374910	17375688	17379030	17379031	17379032	17379033	17379294
AGS Ref.										
Depth										
Type	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq
COD Unfiltered	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018

Lab Sample No(s)	18171532	18171533	18171544	18171535	18171537
Customer Sample Ref.	17381195	17381196	17381916	17381955	17381956
AGS Ref.					
Depth					
Type	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq	Unspecified Liq
COD Unfiltered	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018	25-Aug-2018



CERTIFICATE OF ANALYSIS

SDG: 180822-112
Location: Coventry

Client Reference:
Order Number:

Report Number: 469772
Superseded Report:

Appendix

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred.

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

12. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

General

21. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

24. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
§	Sampled on date not provided
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Astestostype	CommonName
Chrysotile	WhiteAsbestos
Amosite	BrownAsbestos
Coisidolite	BlueAsbestos
FibrousActinolite	-
FibrousAnthophyllite	-
FibrousTremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

03 September 2018

Test Report: COV/1593687/2018

Dear ██████████

Analysis of your sample(s) submitted on 13 August 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **03 September 2018**

Report Number: **COV/1593687/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **13 August 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **14 August 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **03 September 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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Certificate of Analysis



Report Number: **COV/1593687/2018**

Issue **1**

Laboratory Number: **17404198**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **13 August 2018**

Analysis Complete: **03 September 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	01/09/2018	N Cov	WAS049
Copper, Total as Cu	0.012	mg/l	01/09/2018	N Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	01/09/2018	N Cov	WAS049
pH	7.9	pH units	14/08/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	217	mg/l	23/08/2018	N Cov	WAS055
Sulphate as SO4	38.6	mg/l	14/08/2018	N Cov	WAS036
Total Suspended Solids	18.0	mg/l	28/08/2018	N Cov	WAS006
Sulphide as S	<0.020	mg/l	14/08/2018	N Cov	WAS033
Visible Oil	None	None	14/08/2018	N Cov	Visual Inspec
COD Unfiltered	240	mg/l	29/08/2018	N S	SUBCON
Methane, Dissolved	0.028	mg/l	20/08/2018	N Cov	62

Analyst Comments for 17404198:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. It is therefore possible that the results provided may be compromised. {/*}Ammonia 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: 03 September 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



Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US

Tel: (01244) 528700

Fax: (01244) 528701

email: hawardencustomerservices@alsglobal.com

Website: www.alsenvironmental.co.uk

ALS Environmental Limited
Torrington Avenue
Tilehill
Coventry
West Midlands
CV4 9GU

Attention: Subcon .

CERTIFICATE OF ANALYSIS

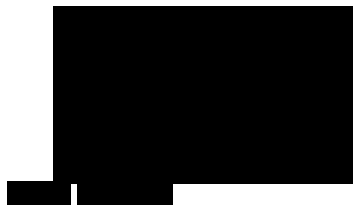
Date: 27 August 2018
Customer: H_ALSENV_COV
Sample Delivery Group (SDG): 180823-85
Your Reference: 1593687
Location: Coventry
Report No: 469840

We received 1 sample on Thursday August 23, 2018 and 1 of these samples were scheduled for analysis which was completed on Monday August 27, 2018. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Approved By:



Operations Manager



CERTIFICATE OF ANALYSIS

Validated

SDG: 180823-85
Location: Coventry

Client Reference: 1593687
Order Number:

Report Number: 469840
Superseded Report:

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
18179726	17404198			

Maximum Sample/Coolbox Temperature (°C) :

16.4

ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 180823-85
Location: Coventry

Client Reference: 1593687
Order Number:

Report Number: 469840
Superseded Report:

Results Legend

- X Test
- N No Determination Possible

Sample Types -

- S - Soil/Solid
- UNS - Unspecified Solid
- GW - Ground Water
- SW - Surface Water
- LE - Land Leachate
- PL - Prepared Leachate
- PR - Process Water
- SA - Saline Water
- TE - Trade Effluent
- TS - Treated Sewage
- US - Untreated Sewage
- RE - Recreational Water
- DW - Drinking Water Non-regulatory
- UNL - Unspecified Liquid
- SL - Sludge
- G - Gas
- OTH - Other

	Lab Sample No(s)		18179726
	Customer Sample Reference		17404198
	AGS Reference		
	Depth (m)		
	Container		Tube for ICP MS
	Sample Type		UNL
COD Unfiltered	All	NDPs: 0 Tests: 1	X



CERTIFICATE OF ANALYSIS

Validated

SDG: 180823-85
Location: Coventry

Client Reference: 1593687
Order Number:

Report Number: 469840
Superseded Report:

Table of Results - Appendix

Method No	Reference	Description
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

Validated

SDG: 180823-85
Location: Coventry

Client Reference: 1593687
Order Number:

Report Number: 469840
Superseded Report:

Test Completion Dates

Lab Sample No(s)	18179726
Customer Sample Ref.	17404198
AGS Ref.	
Depth	
Type	Unspecified Liq

COD Unfiltered	27-Aug-2018
----------------	-------------



CERTIFICATE OF ANALYSIS

SDG: 180823-85	Client Reference: 1593687	Report Number: 469840
Location: Coventry	Order Number:	Superseded Report:

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred.

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

12. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

21. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

24. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
§	Sampled on date not provided
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Astestost Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

14 September 2018

Test Report: COV/1596837/2018

Dear ██████████

Analysis of your sample(s) submitted on 20 August 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

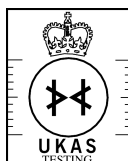
Signed: ██████████

Name: ██████████

Title: Organic Operations Manager



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **14 September 2018**

Report Number: **COV/1596837/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **20 August 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **20 August 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **14 September 2018**

Title:

Organic Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

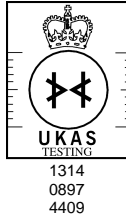
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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Certificate of Analysis



Report Number: **COV/1596837/2018**

Issue **1**

Laboratory Number: **17424207**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **20 August 2018**

Analysis Complete: **14 September 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	05/09/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	05/09/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	05/09/2018	Y Cov	WAS049
pH	8.1	pH units	21/08/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	215	mg/l	21/08/2018	Y Cov	WAS055
Sulphate as SO4	38.8	mg/l	21/08/2018	N Cov	WAS036
Total Suspended Solids	4.00	mg/l	13/09/2018	N Cov	WAS006
COD (Total)	403	mg/l	31/08/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	03/09/2018	N Cov	WAS033
Visible Oil	No	None	20/08/2018	N Cov	Visual Inspec
Methane, Dissolved	0.033	mg/l	24/08/2018	N Cov	62

Analyst Comments for 17424207:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	14 September 2018
		Title:	Organic Operations Manager		

ALS Environmental Ltd

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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

14 September 2018

Test Report: COV/1600211/2018

Dear ██████████

Analysis of your sample(s) submitted on 28 August 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Operations Manager



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **14 September 2018**

Report Number: **COV/1600211/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill 2014

Number of Samples
included in this report **1**

Job Received: **28 August 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **28 August 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **14 September 2018**

Title:

Organic Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

This communication has been sent to you by ALS Environmental Ltd. Registered in England and Wales. Registration No. 02148934. Registered Office: ALS Environmental Limited, Torrington Avenue, Coventry, CV4 9GU.

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Certificate of Analysis



Report Number: **COV/1600211/2018**

Issue **1**

Laboratory Number: **17447024**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **28 August 2018**

Analysis Complete: **13 September 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	12/09/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	12/09/2018	N Cov	WAS049
Zinc, Total as Zn	0.103	mg/l	12/09/2018	N Cov	WAS049
pH	8.0	pH units	29/08/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	199	mg/l	04/09/2018	N Cov	WAS055
Sulphate as SO4	22.3	mg/l	29/08/2018	N Cov	WAS036
Total Suspended Solids	11.0	mg/l	11/09/2018	N Cov	WAS006
Sulphide as S	<0.020	mg/l	29/08/2018	N Cov	WAS033
Visible Oil	No	None	28/08/2018	N Cov	Visual Inspec
COD Unfiltered	420	mg/l	13/09/2018	N S	SUBCON
Methane, Dissolved	0.034	mg/l	29/08/2018	N Cov	62

Analyst Comments for 17447024:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	14 September 2018
		Title:	Organic Operations Manager		

ALS Environmental Ltd

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



CERTIFICATE OF ANALYSIS

Validated

SDG: 180905-164
Location: Coventry

Client Reference: 1600211
Order Number:

Report Number: 472314
Superseded Report:

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
18263379	17447024			

Maximum Sample/Coolbox Temperature (°C) :

10.2

ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 180905-164
Location: Coventry

Client Reference: 1600211
Order Number:

Report Number: 472314
Superseded Report:

Results Legend

- X Test
- N No Determination Possible

Sample Types -

- S - Soil/Solid
- UNS - Unspecified Solid
- GW - Ground Water
- SW - Surface Water
- LE - Land Leachate
- PL - Prepared Leachate
- PR - Process Water
- SA - Saline Water
- TE - Trade Effluent
- TS - Treated Sewage
- US - Untreated Sewage
- RE - Recreational Water
- DW - Drinking Water Non-regulatory
- UNL - Unspecified Liquid
- SL - Sludge
- G - Gas
- OTH - Other

Lab Sample No(s)	18263379		
Customer Sample Reference	17447024		
AGS Reference			
Depth (m)			
Container	Tube for ICP MS		
Sample Type	UNL		
COD Unfiltered	All	NDPs: 0 Tests: 1	X



CERTIFICATE OF ANALYSIS

Validated

SDG: 180905-164
Location: Coventry

Client Reference: 1600211
Order Number:

Report Number: 472314
Superseded Report:

Table of Results - Appendix

Method No	Reference	Description
TM107	ISO 6060-1989	Determination of Chemical Oxygen Demand using COD Dr Lange Kit

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).



CERTIFICATE OF ANALYSIS

Validated

SDG: 180905-164
Location: Coventry

Client Reference: 1600211
Order Number:

Report Number: 472314
Superseded Report:

Test Completion Dates

Lab Sample No(s)	18263379
Customer Sample Ref.	17447024
AGS Ref.	
Depth	
Type	Unspecified Liq
COD Unfiltered	13-Sep-2018



CERTIFICATE OF ANALYSIS

SDG: 180905-164	Client Reference: 1600211	Report Number: 472314
Location: Coventry	Order Number:	Superseded Report:

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. Samples will be run in duplicate upon request, but an additional charge may be incurred.

3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

12. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

13. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

20. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

21. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

23. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

24. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Holding time exceeded before sample received
5	Samples exceeded holding time before preservation was performed
§	Sampled on date not provided
◆	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to sampled on date
&	Sample Holding Time exceeded - Late arrival of instructions.

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Astestost Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Coisidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

02 October 2018

Test Report: COV/1609787/2018

Dear ██████████

Analysis of your sample(s) submitted on 17 September 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **02 October 2018**

Report Number: **COV/1609787/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **17 September 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **18 September 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **02 October 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

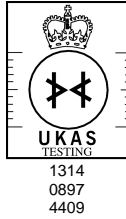
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1609787/2018**

Issue **1**

Laboratory Number: **17507724**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Leachate Sample**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **17 September 2018**

Analysis Complete: **02 October 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	24/09/2018	Y Cov	WAS049
Copper, Total as Cu	0.011	mg/l	24/09/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	24/09/2018	Y Cov	WAS049
pH	8.2	pH units	18/09/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	206	mg/l	19/09/2018	Y Cov	WAS055
Sulphate as SO4	13.6	mg/l	18/09/2018	N Cov	WAS036
Total Suspended Solids	6.00	mg/l	01/10/2018	N Cov	WAS006
COD (Total)	455	mg/l	25/09/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	25/09/2018	N Cov	WAS033
Visible Oil	None	None	18/09/2018	N Cov	Visual Inspec
Methane, Dissolved	0.026	mg/l	21/09/2018	N Cov	62

Analyst Comments for 17507724:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 02 October 2018
		Title: Organic Team Leader	

ALS Environmental Ltd

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

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

05 October 2018

Test Report: COV/1612723/2018

Dear ██████████

Analysis of your sample(s) submitted on 24 September 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **05 October 2018**

Report Number: **COV/1612723/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **24 September 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **24 September 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **05 October 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

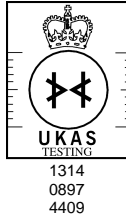
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1612723/2018**

Issue **1**

Laboratory Number: **17526272**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **24 September 2018**

Analysis Complete: **05 October 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	26/09/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	26/09/2018	Y Cov	WAS049
Zinc, Total as Zn	0.107	mg/l	26/09/2018	Y Cov	WAS049
pH	8.3	pH units	25/09/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	251	mg/l	29/09/2018	Y Cov	WAS055
Sulphate as SO4	<4.4	mg/l	25/09/2018	N Cov	WAS036
Total Suspended Solids	31.0	mg/l	05/10/2018	N Cov	WAS006
COD (Total)	519	mg/l	25/09/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	02/10/2018	N Cov	WAS033
Visible Oil	No	None	24/09/2018	N Cov	Visual Inspec
Methane, Dissolved	0.038	mg/l	27/09/2018	N Cov	62

Analyst Comments for 17526272:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 05 October 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

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Torrington Avenue
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CV4 9GU

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F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

11 October 2018

Test Report: COV/1616394/2018

Dear ██████████

Analysis of your sample(s) submitted on 01 October 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Operations Manager



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **11 October 2018**

Report Number: **COV/1616394/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **01 October 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **02 October 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **11 October 2018**

Title:

Organic Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1616394/2018**

Issue **1**

Laboratory Number: **17549424**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **01 October 2018**

Analysis Complete: **11 October 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	04/10/2018	N Cov	WAS049
Copper, Total as Cu	0.010	mg/l	04/10/2018	N Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	04/10/2018	N Cov	WAS049
pH	8.2	pH units	02/10/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	275	mg/l	06/10/2018	N Cov	WAS055
Sulphate as SO4	4.5	mg/l	03/10/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	10/10/2018	N Cov	WAS006
COD (Total)	593	mg/l	03/10/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	10/10/2018	N Cov	WAS033
Visible Oil	None	None	02/10/2018	N Cov	Visual Inspec
Methane, Dissolved	0.086	mg/l	05/10/2018	N Cov	62

Analyst Comments for 17549424:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	11 October 2018
		Title:	Organic Operations Manager		

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

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Torrington Avenue
Coventry
CV4 9GU

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

16 October 2018

Test Report: COV/1619990/2018

Dear ██████████

Analysis of your sample(s) submitted on 09 October 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **16 October 2018**

Report Number: **COV/1619990/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **09 October 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **09 October 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **16 October 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

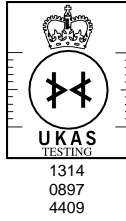
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1619990/2018**

Issue **1**

Laboratory Number: **17573468**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **SH**

Sample Matrix: **Land Leachate**

Sample Date/Time: **09 October 2018 09:00**

Sample Received: **09 October 2018**

Analysis Complete: **16 October 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	11/10/2018	Y Cov	WAS049
Copper, Total as Cu	0.010	mg/l	11/10/2018	Y Cov	WAS049
Zinc, Total as Zn	0.121	mg/l	11/10/2018	Y Cov	WAS049
pH	8.0	pH units	10/10/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	283	mg/l	10/10/2018	Y Cov	WAS055
Sulphate as SO4	<4.4	mg/l	10/10/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	11/10/2018	N Cov	WAS006
COD (Total)	550	mg/l	15/10/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	16/10/2018	N Cov	WAS033
Visible Oil	No	None	09/10/2018	N Cov	Visual Inspec
Methane, Dissolved	0.031	mg/l	12/10/2018	N Cov	62

Analyst Comments for 17573468:

No Analyst Comment

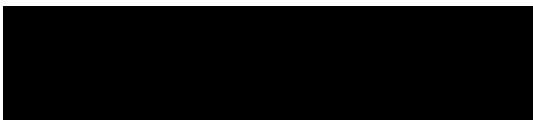

This issue replaces all previous issues

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: **16 October 2018**
Title: **Organic Team Leader**

ALS Environmental Ltd

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

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Torrington Avenue
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CV4 9GU

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Structures & Geotechnics
Whitechapel House
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Telford TF2 9FN
Shropshire

24 October 2018

Test Report: COV/1623120/2018

Dear ██████████

Analysis of your sample(s) submitted on 16 October 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **24 October 2018**

Report Number: **COV/1623120/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Number of Samples
included in this report **1**

Job Received: **16 October 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **16 October 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **24 October 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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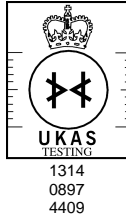
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Page 1 of 2

Certificate of Analysis



Report Number: **COV/1623120/2018**

Issue **1**

Laboratory Number: **17592733**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **16 October 2018**

Analysis Complete: **24 October 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	17/10/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	17/10/2018	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	17/10/2018	Y Cov	WAS049
pH	8.1	pH units	17/10/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	265	mg/l	17/10/2018	Y Cov	WAS055
Sulphate as SO4	<4.4	mg/l	17/10/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	17/10/2018	N Cov	WAS006
COD (Total)	535	mg/l	24/10/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	23/10/2018	N Cov	WAS033
Visible Oil	No	None	16/10/2018	N Cov	Visual Inspec
Methane, Dissolved	0.012	mg/l	18/10/2018	N Cov	62

Analyst Comments for 17592733:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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 October 2018
		Title:	Organic Team Leader		

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Torrington Avenue
Coventry
CV4 9GU

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F: +44 (0)24 7685 6575
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Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

05 November 2018

Test Report: COV/1625756/2018

Dear ██████████

Analysis of your sample(s) submitted on 22 October 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

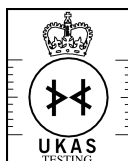
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **05 November 2018**

Report Number: **COV/1625756/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **22 October 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **22 October 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **05 November 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

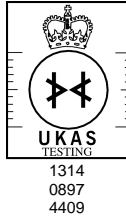
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1625756/2018**

Issue **1**

Laboratory Number: **17610048**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **22 October 2018**

Analysis Complete: **05 November 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	29/10/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	29/10/2018	Y Cov	WAS049
Zinc, Total as Zn	0.09	mg/l	29/10/2018	Y Cov	WAS049
pH	8.0	pH units	23/10/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	292	mg/l	24/10/2018	Y Cov	WAS055
Sulphate as SO ₄	7.6	mg/l	24/10/2018	N Cov	WAS036
Total Suspended Solids	10.0	mg/l	30/10/2018	N Cov	WAS006
COD (Total)	545	mg/l	23/10/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	05/11/2018	N Cov	WAS033
Visible Oil	No	None	22/10/2018	N Cov	Visual Inspec
Methane, Dissolved	0.088	mg/l	26/10/2018	N Cov	62

Analyst Comments for 17610048:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 05 November 2018
		Title: Inorganic Team Leader	

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Torrington Avenue
Coventry
CV4 9GU

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

12 November 2018

Test Report: COV/1628932/2018

Dear ██████████

Analysis of your sample(s) submitted on 29 October 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **12 November 2018**

Report Number: **COV/1628932/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **29 October 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **29 October 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **12 November 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1628932/2018**

Issue **1**

Laboratory Number: **17632179**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **29 October 2018**

Analysis Complete: **12 November 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	07/11/2018	N Cov	WAS049
Copper, Total as Cu	0.011	mg/l	07/11/2018	N Cov	WAS049
Zinc, Total as Zn	0.109	mg/l	07/11/2018	N Cov	WAS049
pH	7.9	pH units	30/10/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	335	mg/l	30/10/2018	N Cov	WAS055
Sulphate as SO ₄	15.1	mg/l	08/11/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	30/10/2018	N Cov	WAS006
COD (Total)	522	mg/l	02/11/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	12/11/2018	N Cov	WAS033
Visible Oil	Analyst Com	None	29/10/2018	N Cov	Visual Inspec
Methane, Dissolved	0.041	mg/l	30/10/2018	N Cov	62

Analyst Comments for 17632179:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. It is therefore possible that the results provided may be compromised. No visible oil {(*)}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:	12 November 2018
		Title:	Organic Team Leader		

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CV4 9GU

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██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

28 November 2018

Test Report: COV/1631818/2018

Dear ██████████

Analysis of your sample(s) submitted on 05 November 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **28 November 2018**

Report Number: **COV/1631818/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Telford & Wrekin Council

Number of Samples
included in this report **1**

Job Received: **05 November 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **05 November 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **28 November 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1631818/2018**

Issue **1**

Laboratory Number: **17651487**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **05 November 2018**

Analysis Complete: **19 November 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	16/11/2018	N Cov	WAS049
Copper, Total as Cu	0.010	mg/l	16/11/2018	N Cov	WAS049
Zinc, Total as Zn	0.111	mg/l	16/11/2018	N Cov	WAS049
pH	8.0	pH units	06/11/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	287	mg/l	07/11/2018	N Cov	WAS055
Sulphate as SO4	15.2	mg/l	12/11/2018	N Cov	WAS036
Total Suspended Solids	11.0	mg/l	06/11/2018	N Cov	WAS006
COD (Total)	548	mg/l	06/11/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	19/11/2018	N Cov	WAS033
Visible Oil	no	None	05/11/2018	N Cov	Visual Inspec
Methane, Dissolved	0.029	mg/l	07/11/2018	N Cov	62

Analyst Comments for 17651487:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 28 November 2018
		Title: Inorganic Team Leader	

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Tel:+44 (0)24 7642 1213 Fax:+44 (0)24 7685 6575

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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

28 November 2018

Test Report: COV/1635053/2018

Dear ██████████

Analysis of your sample(s) submitted on 12 November 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Organic Team Leader



Report Summary



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **28 November 2018**

Report Number: **COV/1635053/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Telford & Wrekin Council

Number of Samples
included in this report **1**

Job Received: **12 November 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **12 November 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **28 November 2018**

Title:

Organic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1635053/2018**

Issue **1**

Laboratory Number: **17673833**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **12 November 2018**

Analysis Complete: **26 November 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	23/11/2018	N Cov	WAS049
Copper, Total as Cu	0.011	mg/l	23/11/2018	N Cov	WAS049
Zinc, Total as Zn	0.129	mg/l	23/11/2018	N Cov	WAS049
pH	8.0	pH units	13/11/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	262	mg/l	19/11/2018	N Cov	WAS055
Sulphate as SO ₄	10.5	mg/l	18/11/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	13/11/2018	N Cov	WAS006
COD (Total)	538	mg/l	13/11/2018	N Cov	WAS040
Sulphide as S	<0.020	mg/l	22/11/2018	N Cov	WAS033
Visible Oil	no	None	12/11/2018	N Cov	Visual Inspec
Methane, Dissolved	0.023	mg/l	15/11/2018	N Cov	62

Analyst Comments for 17673833:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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:	28 November 2018
		Title:	Organic Team Leader		

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

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Torrington Avenue
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

10 December 2018

Test Report: COV/1641082/2018

Dear ██████████

Analysis of your sample(s) submitted on 26 November 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

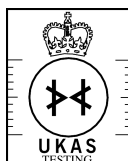
Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **10 December 2018**

Report Number: **COV/1641082/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hil

Number of Samples
included in this report **1**

Job Received: **26 November 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **26 November 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **10 December 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

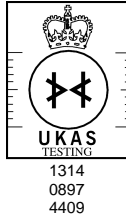
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Certificate of Analysis



Report Number: **COV/1641082/2018**

Issue **1**

Laboratory Number: **17717811**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **26 November 2018**

Analysis Complete: **10 December 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	07/12/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	07/12/2018	Y Cov	WAS049
Zinc, Total as Zn	0.103	mg/l	07/12/2018	Y Cov	WAS049
pH	8.3	pH units	27/11/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	360	mg/l	07/12/2018	Y Cov	WAS055
Sulphate as SO ₄	<4.4	mg/l	29/11/2018	N Cov	WAS036
Total Suspended Solids	22.0	mg/l	27/11/2018	N Cov	WAS006
COD (Total)	532	mg/l	29/11/2018	Y Cov	WAS040
Sulphide as S	0.032	mg/l	06/12/2018	N Cov	WAS033
Visible Oil	No	None	26/11/2018	N Cov	Visual Inspec
Methane, Dissolved	0.042	mg/l	28/11/2018	N Cov	62

Analyst Comments for 17717811:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 10 December 2018
		Title: Inorganic Team Leader	

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Coventry
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F: +44 (0)24 7685 6575
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

18 December 2018

Test Report: COV/1644564/2018

Dear ██████████

Analysis of your sample(s) submitted on 04 December 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **18 December 2018**

Report Number: **COV/1644564/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **04 December 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **04 December 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **18 December 2018**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1644564/2018**

Issue **1**

Laboratory Number: **17743733**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Sample 1**

Sample Matrix: **Not Specified**

Sample Date/Time:

Sample Received: **04 December 2018**

Analysis Complete: **18 December 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	14/12/2018	N Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	14/12/2018	N Cov	WAS049
Zinc, Total as Zn	0.112	mg/l	14/12/2018	N Cov	WAS049
pH	8.0	pH units	05/12/2018	N Cov	WAS039
Ammoniacal Nitrogen as N	280	mg/l	14/12/2018	N Cov	WAS055
Sulphate as SO4	6.3	mg/l	17/12/2018	N Cov	WAS036
Total Suspended Solids	2.00	mg/l	05/12/2018	N Cov	WAS006
COD (Total)	478	mg/l	11/12/2018	N Cov	WAS040
Sulphide as S	0.026	mg/l	14/12/2018	N Cov	WAS033
Visible Oil	None	None	04/12/2018	N Cov	Visual Inspec
Methane, Dissolved	0.037	mg/l	06/12/2018	N Cov	62

Analyst Comments for 17743733:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 18 December 2018
		Title: Inorganic Team Leader	

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Coventry
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

17 January 2019

Test Report: COV/1648034/2018

Dear ██████████

Analysis of your sample(s) submitted on 11 December 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Coventry Operations Manager



Report Summary



1314
0897
4409



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **17 January 2019**

Report Number: **COV/1648034/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **11 December 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **11 December 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **17 January 2019**

Title:

Coventry Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

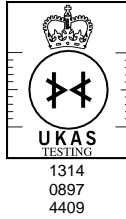
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Certificate of Analysis



Report Number: **COV/1648034/2018**

Issue **1**

Laboratory Number: **17767101**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **11 December 2018**

Analysis Complete: **21 December 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	20/12/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	20/12/2018	Y Cov	WAS049
Zinc, Total as Zn	0.10	mg/l	20/12/2018	Y Cov	WAS049
pH	8.2	pH units	12/12/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	243	mg/l	21/12/2018	Y Cov	WAS055
Sulphate as SO4	14.9	mg/l	19/12/2018	N Cov	WAS036
Total Suspended Solids	6.00	mg/l	11/12/2018	N Cov	WAS006
COD (Total)	423	mg/l	11/12/2018	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	20/12/2018	N Cov	WAS033
Visible Oil	no	None	11/12/2018	N Cov	Visual Inspec
Methane, Dissolved	0.046	mg/l	12/12/2018	N Cov	62

Analyst Comments for 17767101:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 17 January 2019
		Title: Coventry Operations Manager	

ALS Environmental Ltd

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ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
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Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

17 January 2019

Test Report: COV/1651466/2018

Dear ██████████

Analysis of your sample(s) submitted on 17 December 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Inorganic Team Leader



Report Summary



1314
0897
4409



Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN

Date of Issue: **17 January 2019**

Report Number: **COV/1651466/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **17 December 2018**

Number of Test Results
included in this report **9**

Analysis Commenced: **18 December 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **17 January 2019**

Title:

Inorganic Team Leader

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

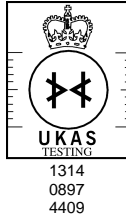
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

Tests marked 'Not UKAS Accredited' in this Report/Certificate are not included in the UKAS Accreditation Schedule for our laboratory.

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Certificate of Analysis



Report Number: **COV/1651466/2018**

Issue **1**

Laboratory Number: **17790561**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **17 December 2018**

Analysis Complete: **31 December 2018**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	28/12/2018	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	28/12/2018	Y Cov	WAS049
Zinc, Total as Zn	0.138	mg/l	28/12/2018	Y Cov	WAS049
pH	8.0	pH units	18/12/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	332	mg/l	24/12/2018	Y Cov	WAS055
Sulphate as SO4	36.2	mg/l	23/12/2018	N Cov	WAS036
Total Suspended Solids	24.0	mg/l	19/12/2018	N Cov	WAS006
COD (Total)	470	mg/l	19/12/2018	Y Cov	WAS040
Visible Oil	No	None	18/12/2018	N Cov	Visual Inspec

Analyst Comments for 17790561:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 17 January 2019
		Title: Inorganic Team Leader	

ALS Environmental Ltd
Torrington Avenue
Coventry
CV4 9GU

T: +44 (0)24 7642 1213
F: +44 (0)24 7685 6575
www.alsenvironmental.co.uk

██████████
Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford TF2 9FN
Shropshire

17 January 2019

Test Report: COV/1654706/2018

Dear ██████████

Analysis of your sample(s) submitted on 31 December 2018 is now complete and we have pleasure in enclosing the appropriate test report(s).

An invoice for the analysis carried out will be sent under separate cover.

Should you have any queries regarding this report(s) or any part of our service, please contact Customer Services on +44 (0)24 7642 1213 who will be happy to discuss your requirements.

If you would like to arrange any further analysis, please contact Customer Services. To arrange container delivery or sample collection, please call the Couriers Department directly on 024 7685 6562.

Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: ██████████

Name: ██████████

Title: Coventry Operations Manager



Report Summary



**Telford & Wrekin Council
Structures & Geotechnics
Whitechapel House
Whitechapel Way, Priorslee
Telford
Shropshire
TF2 9FN**

Date of Issue: **17 January 2019**

Report Number: **COV/1654706/2018**

Issue **1**

This issue replaces
all previous issues

Job Description: Stoney Hill 2016

Job Location: Stoney Hill

Number of Samples
included in this report **1**

Job Received: **31 December 2018**

Number of Test Results
included in this report **11**

Analysis Commenced: **31 December 2018**

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **17 January 2019**

Title:

Coventry Operations Manager

ALS Environmental Ltd was not responsible for sampling unless otherwise stated.

Information on the methods of analysis and performance characteristics are available on request.

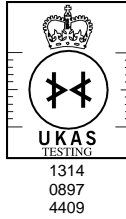
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Certificate of Analysis



Report Number: **COV/1654706/2018**

Issue **1**

Laboratory Number: **17816395**

Sample **1** of **1**

Sample Source: **Telford & Wrekin Council**

Sample Point Description:

Sample Description: **Stoney Hill**

Sample Matrix: **Land Leachate**

Sample Date/Time:

Sample Received: **31 December 2018**

Analysis Complete: **08 January 2019**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Aluminium, Total as Al	<0.1	mg/l	04/01/2019	Y Cov	WAS049
Copper, Total as Cu	<0.009	mg/l	04/01/2019	Y Cov	WAS049
Zinc, Total as Zn	0.08	mg/l	04/01/2019	Y Cov	WAS049
pH	8.0	pH units	31/12/2018	Y Cov	WAS039
Ammoniacal Nitrogen as N	173	mg/l	02/01/2019	Y Cov	WAS055
Sulphate as SO4	29.4	mg/l	02/01/2019	N Cov	WAS036
Total Suspended Solids	7.00	mg/l	02/01/2019	N Cov	WAS006
COD (Total)	297	mg/l	02/01/2019	Y Cov	WAS040
Sulphide as S	<0.020	mg/l	02/01/2019	N Cov	WAS033
Visible Oil	No	None	31/12/2018	N Cov	Visual Inspec
Methane, Dissolved	0.033	mg/l	07/01/2019	N Cov	62

Analyst Comments for 17816395:

The date of sampling has not been provided and therefore sample stability times cannot be assessed. 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: 17 January 2019
		Title: Coventry Operations Manager	

ALS Environmental Ltd

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