



ALS Environmental Ltd
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www.alsenvironmental.co.uk

Miss Surname
Name Of Company
Torrington Avenue
Coventry CV4 9GU
West Midlands

07 June 2017

Test Report: COV/1381352/2017

Dear Miss Surname

Analysis of your sample(s) submitted on 18 April 2017 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: *G. Coiley*

Name: G. Coiley

Title: Group Projects and IT Manager



Report Summary



1314
0897
4409



Miss Name Surname
Name Of Company
Torrington Avenue
Coventry
West Midlands
CV4 9GU

Date of Issue: **07 June 2017**

Report Number: **COV/1381352/2017**

Issue **2**

This issue replaces
all previous issues

Job Description: Water Treatment Survey

Job Location: West Midlands

Number of Samples
included in this report **5**

Job Received: **18 April 2017**

Number of Test Results
included in this report **53**

Analysis Commenced: **18 April 2017**

Signed: *G. Coiley*

Name: **G. Coiley**

Date: **07 June 2017**

Title: **Group Projects and IT 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.

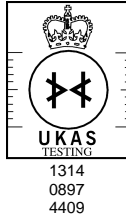
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. The results relate only to the items tested.

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/1381352/2017**

Issue **2**

Laboratory Number: **16021457**

Sample **1** of **5**

Sample Source: **Name Of Company**

Sample Point Description:

Sample Description: **Test Sample 1**

Sample Matrix: **Ground Water**

Sample Date/Time: **17 April 2017 10:00**

Sample Received: **18 April 2017**

Analysis Complete: **18 April 2017**

Test Description	Result	Units	Analysis Date	Accreditation	Method
TVC 22C 3 day	1	cfu/ml	18/04/2017	Y Cov	W1
Pseudomonas species	1	cfu/100ml	18/04/2017	Y Cov	W9
Sulphate Reducing Bacteria	1	DET/ND	18/04/2017	N Cov	W18

Analyst Comments for 16021457: No Analyst Comment

This issue replaces all previous issues

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

Analysed at: Cov = Coventry(CV4 9GU), Che = Chester(CH4 9EP), 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. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

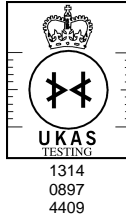
Signed: *G Coiley*

Name: **G. Coiley**

Date: **07 June 2017**

Title: **Group Projects and IT Manager**

Certificate of Analysis



Report Number: **COV/1381352/2017**

Issue **2**

Laboratory Number: **16021458**

Sample **2** of **5**

Sample Source: **Name Of Company**

Sample Point Description:

Sample Description: **Test Sample 2**

Sample Matrix: **Process Water**

Sample Date/Time: **14 April 2017 11:11**

Sample Received: **18 April 2017**

Analysis Complete: **18 April 2017**

Test Description	Result	Units	Analysis Date	Accreditation	Method
TVC 22C 3 day	1	cfu/ml	18/04/2017	Y Cov	W1
Pseudomonas species	1	cfu/100ml	18/04/2017	Y Cov	W9
Nitrite Reducing Bacteria	1	CFU/ML	18/04/2017	N Cov	W19
Sulphate Reducing Bacteria	1	DET/ND	18/04/2017	N Cov	W18

Analyst Comments for 16021458: No Analyst Comment

This issue replaces all previous issues

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

Analysed at: Cov = Coventry(CV4 9GU), Che = Chester(CH4 9EP), 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. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

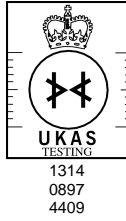
Signed:

Name: **G. Coiley**

Date: **07 June 2017**

Title: **Group Projects and IT Manager**

Certificate of Analysis



Report Number: **COV/1381352/2017**

Issue **2**

Laboratory Number: **16021459**

Sample **3** of **5**

Sample Source: **Name Of Company**

Sample Point Description: **Downstream**

Sample Description: **Test Sample 3**

Sample Matrix: **Surface Water**

Sample Date/Time: **13 April 2017 12:12**

Sample Received: **18 April 2017**

Analysis Complete: **18 April 2017**

Test Description	Result	Units	Analysis Date	Accreditation	Method
TVC 22C 3 Days	1	cfu/ml	18/04/2017	Y Cov	W1
Pseudomonas species	1	cfu/100ml	18/04/2017	Y Cov	W9
Aluminium , Total as Al	1	ug/l	18/04/2017	N Cov	WAS049
Copper , Total as Cu	1	ug/l	18/04/2017	N Cov	WAS049
Copper, Filtered as Cu	1	ug/l	18/04/2017	N Cov	WAS049
Iron , Total as Fe	1	mg/l	18/04/2017	N Cov	WAS049
Iron, Filtered as Fe	1	mg/l	18/04/2017	N Cov	WAS049
Molybdenum , Total as Mo	1	mg/l	18/04/2017	N Cov	WAS049
Zinc , Total as Zn	1	ug/l	18/04/2017	N Cov	WAS049
pH	1	pH units	18/04/2017	N Cov	WAS039
Conductivity- Electrical 20C	1	uS/cm	18/04/2017	N Cov	WAS039
Alkalinity as CaCO3	1	mg/l	18/04/2017	N Cov	WAS025
Chloride as Cl	1	mg/l	18/04/2017	Y Cov	WAS036
Sulphate as SO4	1	mg/l	18/04/2017	Y Cov	WAS036
Total Suspended Solids	1	mg/l	18/04/2017	N Cov	WAS006
Solids, Tot Dissolved 180 DegC	1	mg/l	18/04/2017	N Cov	WAS010
Settled Solids after 30mins	1	mg/l	18/04/2017	N Cov	WAS006
Nitrite as NaNO2	1	mg/l	18/04/2017	N Cov	WAS036
Molybdate (Calc)	1	mg/l	18/04/2017	N Cov	WAS049
Sulphate Reducing Bacteria	1	DET/ND	18/04/2017	N Cov	W18

Analyst Comments for 16021459:

No Analyst Comment

This issue replaces all previous issues

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

Analysed at: Cov = Coventry(CV4 9GU), Che = Chester(CH4 9EP), 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. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

Signed: *G. Coiley*

Name: **G. Coiley**

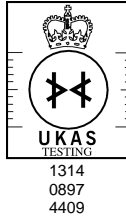
Date: **07 June 2017**

Title: **Group Projects and IT Manager**

ALS Environmental Ltd

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Certificate of Analysis



Report Number: **COV/1381352/2017**

Issue **2**

Laboratory Number: **16021460**

Sample **4** of **5**

Sample Source: **Name Of Company**

Sample Point Description: **Upstream**

Sample Description: **Test Sample 4**

Sample Matrix: **Not In Project**

Sample Date/Time: **12 April 2017 13:13**

Sample Received: **18 April 2017**

Analysis Complete: **18 April 2017**


Test Description	Result	Units	Analysis Date	Accreditation	Method
TVC 22C 3 day	1	cfu/ml	18/04/2017	N Cov	W1
Pseudomonas species	1	cfu/100ml	18/04/2017	N Cov	W9
Nitrite Reducing Bacteria	1	CFU/ML	18/04/2017	N Cov	W19
Sulphate Reducing Bacteria	1	DET/ND	18/04/2017	N Cov	W18

Analyst Comments for 16021460: No Analyst Comment

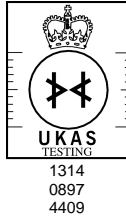
This issue replaces all previous issues

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Analysed at: Cov = Coventry(CV4 9GU), Che = Chester(CH4 9EP), 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. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

Signed:  Name: **G. Coiley** Date: **07 June 2017**
Title: **Group Projects and IT Manager**

Certificate of Analysis



Report Number: **COV/1381352/2017**

Issue **2**

Laboratory Number: **16021461**

Sample **5** of **5**

Sample Source: **Name Of Company**

Sample Point Description: **Downstream**

Sample Description: **Test Sample 5**

Sample Matrix: **Not Specified**

Sample Date/Time: **11 April 2017 14:14**

Sample Received: **18 April 2017**

Analysis Complete: **18 April 2017**

Test Description	Result	Units	Analysis Date	Accreditation	Method
TVC 22C 3 Days	1	cfu/ml	18/04/2017	N Cov	W1
TVC 22C 3 day	1	cfu/ml	18/04/2017	N Cov	W1
Pseudomonas species	1	cfu/100ml	18/04/2017	N Cov	W9
Aluminium , Total as Al	1	ug/l	18/04/2017	N Cov	WAS049
Copper , Total as Cu	1	ug/l	18/04/2017	N Cov	WAS049
Copper, Filtered as Cu	1	ug/l	18/04/2017	N Cov	WAS049
Iron , Total as Fe	1	mg/l	18/04/2017	N Cov	WAS049
Iron, Filtered as Fe	1	mg/l	18/04/2017	N Cov	WAS049
Molybdenum , Total as Mo	1	mg/l	18/04/2017	N Cov	WAS049
Zinc , Total as Zn	1	ug/l	18/04/2017	N Cov	WAS049
pH	1	pH units	18/04/2017	N Cov	WAS039
Conductivity- Electrical 20C	1	uS/cm	18/04/2017	N Cov	WAS039
Alkalinity as CaCO3	1	mg/l	18/04/2017	N Cov	WAS025
Chloride as Cl	1	mg/l	18/04/2017	N Cov	WAS036
Sulphate as SO4	1	mg/l	18/04/2017	N Cov	WAS036
Total Suspended Solids	1	mg/l	18/04/2017	N Cov	WAS006
Solids, Tot Dissolved 180 DegC	1	mg/l	18/04/2017	N Cov	WAS010
Settled Solids after 30mins	1	mg/l	18/04/2017	N Cov	WAS006
Nitrite as NaNO2	1	mg/l	18/04/2017	N Cov	WAS036
Molybdate (Calc)	1	mg/l	18/04/2017	N Cov	WAS049
Nitrite Reducing Bacteria	1	CFU/ML	18/04/2017	N Cov	W19
Sulphate Reducing Bacteria	1	DET/ND	18/04/2017	N Cov	W18

Analyst Comments for 16021461:

No Analyst Comment

This issue replaces all previous issues

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

Analysed at: Cov = Coventry(CV4 9GU), Che = Chester(CH4 9EP), 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. The LOD for the Legionella analysis will increase where the volume analysed is <1000g (1g is approximately equivalent to 1ml for sample volume analysed).

Signed:

Name: **G. Coiley**

Date: **07 June 2017**

Title: **Group Projects and IT Manager**

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ANALYST COMMENTS FOR REPORT COV/1381352/2017

Issue 2

Date of Issue: **07 June 2017**

Sample No	Analysis Comments
16021457	
16021458	
16021459	
16021460	
16021461	

Signed: *G. Coiley*

Name: **G. Coiley**

Date: **07 June 2017**

Title: **Group Projects and IT Manager**

**DETERMINAND COMMENTS FOR REPORT****COV/1381352/2017****ISSUE 2****Date of Issue : 07 June 2017**

Sample No	Description	Determinand	Comments
16021458	Test Sample 2	TVC 22C 3 day	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021458	Test Sample 2	Pseudomonas species	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021459	Test Sample 3	pH	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021459	Test Sample 3	Nitrite as NaNO ₂	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021459	Test Sample 3	Pseudomonas species	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021459	Test Sample 3	TVC 22C 3 Days	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021460	Test Sample 4	TVC 22C 3 day	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021460	Test Sample 4	Pseudomonas species	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021461	Test Sample 5	pH	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021461	Test Sample 5	Nitrite as NaNO ₂	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021461	Test Sample 5	TVC 22C 3 day	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021461	Test Sample 5	Pseudomonas species	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.
16021461	Test Sample 5	TVC 22C 3 Days	This parameter has been analysed outside recommended stability time. It is therefore possible that the result provided may be compromised.

Signed:

Name: **G. Coiley**Date: **07 June 2017**Title: **Group Projects and IT Manager**