

# Certificate of Analysis

ANALYSED BY



Report Number: **COV/1644437/2018**  
Laboratory Number: **17743192**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics 3**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 10:50**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **3** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	90.3	ug/l	05/12/2018	N Wak	WPC15

**Analyst Comments for 17743192:** 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.

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

Signed: 	Name: 	Date: <b>06 December 2018</b>
	Title: 	

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743195**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics 6**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 13:35**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **6** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	90.2	ug/l	05/12/2018	N Wak	WPC15

Analyst Comments for 17743195: 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

For Microbiological determinanda 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:

[Redacted Signature]

Name:

[Redacted Name]

Date: 06 December 2018

Title:

[Redacted Title]

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743198**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics 9**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 15:30**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **9** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	<0.6	ug/l	05/12/2018	N Wak	WPC15

Analyst Comments for 17743198: 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.

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Title: 

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743191**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler 2**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 10:45**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **2** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	0.8	ug/l	05/12/2018	N Wak	WPC15

**Analyst Comments for 17743191:** 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 = Coalbridge(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: **06 December 2018**  
Title: 

# Certificate of Analysis

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743194**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler 5**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 13:30**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **5** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	1.8	ug/l	05/12/2018	N Wak	WPC15

**Analyst Comments for 17743194:** 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Oxtarbourne(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

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Date: **06 December 2018**

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# Certificate of Analysis

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743197**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler 8**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 15:25**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **8** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	82.2	ug/l	05/12/2018	N Wak	WPC15

Analyst Comments for 17743197: 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 = Coalbridge(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: **06 December 2018**  
Title: 

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743190**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen 1**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 10:40**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **1** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	10.3	ug/l	05/12/2018	N Wak	WPC15

**Analyst Comments for 17743190:** 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(WF6 8TG)

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:

[Redacted Signature]

Name:

[Redacted Name]

Date: **06 December 2018**

Title:

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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743193**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen 4**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 13:25**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **4** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	10.6	ug/l	05/12/2018	N Wak	WPC15

Analyst Comments for 17743193: 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 = Coalbridge(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.

IS=insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed:  Name:  Date: **06 December 2018**  
Title: 



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Report Number: **COV/1644437/2018**  
Laboratory Number: **17743196**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen 7**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **03 December 2018 15:20**  
Sample Received: **04 December 2018**  
Analysis Complete: **06 December 2018**

Issue **1**  
Sample **7** of **9**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	11.3	ug/l	05/12/2018	N Wak	WPC15

Analyst Comments for 17743196: 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 = Coalbridge(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:



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Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762138**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 08:30**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **3** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	8690	ug/l	10/12/2018	N Wak	WPC15

Analyst Comments for 17762138: 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: **11 December 2018**  
Title: 

# Certificate of Analysis

ANALYSED BY



Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762141**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 12:10**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **6** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	9.6	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762141: 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 8GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 8TG).

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 December 2018**

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# Certificate of Analysis

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Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762144**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home Economics**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 15:10**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **9** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	81.1	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762144: 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG)  
For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered.  
I/S=insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed: 	Name: 	Date: <b>11 December 2018</b>
	Title: 	

# Certificate of Analysis

ANALYSED BY






Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762137**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 08:25**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **2** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	<0.6	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762137: 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 3JUS), CTD = Coalbridge(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 December 2018**  
Title: 

# Certificate of Analysis

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Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762140**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 12:05**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **5** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	<0.6	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762140: 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Oterbourne(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 December 2018**  
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# Certificate of Analysis

ANALYSED BY



Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762143**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Medical Room Cooler**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 15:05**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **8** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	<0.6	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762143: 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(CH6 3US), CTD = Coitbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG).

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

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

Signed:		Name:		Date:	<b>11 December 2018</b>
		Title:			

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# Certificate of Analysis

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Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762136**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 08:20**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **1** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	18.4	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762136: 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 8TG).

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

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

Signed:



Name:



Date: **11 December 2018**

Title:



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# Certificate of Analysis

ANALYSED BY



Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762139**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018** 12:00  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **4** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	30.0	ug/l	09/12/2018	N Wak	WPC15

**Analyst Comments for 17762139:** 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 = Coalbridge(ML5 4FR), COV = Coventry(CV4 9GU), OTT = Otterbourne(SO21 2SW), S = Subcontracted, TRB = Subcontracted to Trowbridge(BA14 0XD), WAK = Wakefield(WF5 9TG)  
For Microbiological determinands 0 or ND=Not Detected, For Legionella ND=Not Detected in volume of sample filtered  
I/S=Insufficient sample For soil/sludge samples: AR=As received, DW=Dry weight.

Signed: 	Name: 	Date: <b>11 December 2018</b>
	Title: 	

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# Certificate of Analysis

ANALYSED BY



Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762142**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Office Kitchen**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018 15:00**  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **7** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	11.0	ug/l	09/12/2018	N Wak	WPC15

Analyst Comments for 17762142: 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 = Coalbridge(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 December 2018**  
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Report Number: **WAK/1647218/2018**  
Laboratory Number: **17762145**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Social Area Cooler**  
Sample Matrix: **Not Specified**  
Sample Date/Time: **05 December 2018** 15:20  
Sample Received: **08 December 2018**  
Analysis Complete: **11 December 2018**

Issue **1**  
Sample **10** of **28**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Copper, Total as Cu	15200	ug/l	10/12/2018	N Wak	WPC15

Analyst Comments for 17762145: 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: <b>11 December 2018</b>
		Title:		

ALS Environmental Ltd

Unit 11, Si kwood Park, Janes Hill, Off Albert Drive, Wakefield, WF5 9TG  
Tel: +44 (0)1924 818100 Fax: +44 (0)1924 818101

Page 11 of 31



[REDACTED]  
**HBE Risk Management**  
**19 Millvale Road**  
**Newry BT35 7NH**  
**County Armagh**

**ALS Environmental Ltd**  
Unit 11  
Silkwood Park  
Janes Hill  
Off Albert Drive  
Wakefield  
WF5 9TG

T: +44 (0)1924 818100  
F: +44 (0)1924 818101  
www.alsenvironmental.co.uk

12 November 2018

**Test Report: WAK/1633110/2018**

Dear [REDACTED]

Analysis of your sample(s) submitted on 01 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)1924 818100 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.

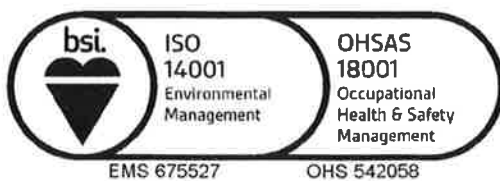
Thank you for using ALS Environmental Ltd and we look forward to receiving your next samples.

Yours Sincerely,

Signed: [REDACTED]

Name: [REDACTED]

Title: [REDACTED]



# Report Summary

**HBE Risk Management**  
**19 Millvale Road**  
**Newry**  
**County Armagh**  
**BT35 7NH**



**ANALYSED BY**



Date of Issue: **12 November 2018**

**Report Number: WAK/1633110/2018**

**Issue 1**

**This issue replaces  
all previous issues**

**Job Description:** Bacti Analysis

**Job Location:** St. Ambrose High

**Number of Samples  
included in this report** 2

**Job Received:** 01 November 2018

**Number of Test Results  
included in this report** 20

**Analysis Commenced:** 08 November 2018

**Signed:**

[Redacted Signature]

**Name:**

[Redacted Name]

**Date:** 12 November 2018

**Title:**

[Redacted Title]

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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**Page 1 of 5**

# Certificate of Analysis

ANALYSED BY



Report Number: **WAK/1633110/2018**  
Laboratory Number: **17660246**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Home EC**  
Sample Matrix: **Drinking Water**  
Sample Date/Time: **31 October 2018** 14:25  
Sample Received: **01 November 2018**  
Analysis Complete: **12 November 2018**

Issue 1  
Sample 1 of 2

Test Description	Result	Units	Analysis Date	Accreditation	Method
Appearance	Turbid	N/A	08/11/2018	N Wak	WPM5
Iron, Filtrate as Fe	20.4	ug/l	09/11/2018	Y Wak	WPC12/49
Sodium, Total as Na	4.28	mg/l	09/11/2018	Y Wak	WPC12/49
Zinc, Total as Zn	6.5	ug/l	09/11/2018	Y Wak	WPC15
Molybdenum, Total as Mo	<0.480	ug/l	09/11/2018	Y Wak	WPC15
Molybdenum, Total as Mo	<0.00048	mg/l	09/11/2018	Y Wak	WPC15
Hydrogen ion (pH)	7.01	pH units	08/11/2018	Y Wak	WPC08/40
Conductivity	58.4	uS/cm	08/11/2018	Y Wak	WPC07/40
Ammonium ammonia+ammonium ion	<0.004	mg/l	08/11/2018	Y Wak	WPC64
Nitrite as NO2	<0.002	mg/l	08/11/2018	Y Wak	WPC64

**Analyst Comments for 17660246:**

This sample has been analysed for Hydrogen ion (pH), Ammonium ammonia+ammonium ion, Nitrite as NO2 outside recommended stability times. It is therefore possible that the results 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(CH5 3US), CTD = Coalbridge(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.

IS=Insufficient sample For soil/sudge samples: AR=As received, DW=Dry weight.

Signed:	Name:	Date: 12 November 2018
	Title:	

ALS Environmental Ltd

Unit 11, Si kwood Park, Janes Hill, Off Albert Drive, Wakefield, WF5 9TG  
Tel:+44 (0)1924 818100 Fax:+44 (0)1924 818101

# Certificate of Analysis

ANALYSED BY



1314  
0897  
4409



Report Number: **WAK/1633110/2018**  
Laboratory Number: **17660247**  
Sample Source: **HBE Risk Management**  
Sample Point Description:  
Sample Description: **Staff Room**  
Sample Matrix: **Drinking Water**  
Sample Date/Time: **31 October 2018 14:35**  
Sample Received: **01 November 2018**  
Analysis Complete: **12 November 2018**

Issue **1**  
Sample **2** of **2**

Test Description	Result	Units	Analysis Date	Accreditation	Method
Appearance	Turbid	N/A	08/11/2018	N Wak	WPM5
Iron, Filtrate as Fe	22.1	ug/l	09/11/2018	Y Wak	WPC12/49
Sodium, Total as Na	4.22	mg/l	09/11/2018	Y Wak	WPC12/49
Zinc, Total as Zn	7.7	ug/l	09/11/2018	Y Wak	WPC15
Molybdenum, Total as Mo	<0.480	ug/l	09/11/2018	Y Wak	WPC15
Molybdenum, Total as Mo	<0.00048	mg/l	09/11/2018	Y Wak	WPC15
Hydrogen ion (pH)	7.12	pH units	08/11/2018	Y Wak	WPC08/40
Conductivity	57.4	uS/cm	08/11/2018	Y Wak	WPC07/40
Ammonium ammonia+ammonium ion	<0.004	mg/l	08/11/2018	Y Wak	WPC64
Nitrite as NO2	<0.002	mg/l	08/11/2018	Y Wak	WPC64

**Analyst Comments for 17660247:**

This sample has been analysed for Hydrogen ion (pH), Ammonium ammonia+ammonium ion, Nitrite as NO2 outside recommended stability times. It is therefore possible that the results 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(CH5 3US), CTD = Coalbridge(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:

**ALS Environmental Ltd**

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Page 3 of 5



Environmental

**ANALYST COMMENTS FOR REPORT WAK/1633110/2018**

**Issue 1**

This issue replaces all previous issues

**Date of Issue: 12 November 2018**

Sample No	Analysis Comments
17660246	This sample has been analysed for Hydrogen ion (pH), Ammonium ammonia+ammonium ion, Nitrite as NO2 outside recommended stability times. It is therefore possible that the results provided may be compromised.
17660247	This sample has been analysed for Hydrogen ion (pH), Ammonium ammonia+ammonium ion, Nitrite as NO2 outside recommended stability times. It is therefore possible that the results provided may be compromised.

Signed:

[Redacted Signature]

Name:

[Redacted Name]

Date: **12 November 2018**

Title:

[Redacted Title]



**DETERMINAND COMMENTS FOR REPORT WAK/1633110/2018**

**ISSUE 1**

**Date of Issue: 12 November 2018**

This issue replaces  
all previous issues

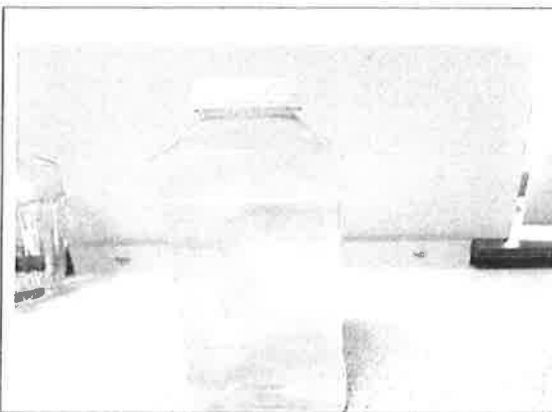
Sample No	Description	Determinand	Comments

Signed:		Name:		Date: 12 November 2018
		Title:		



## Remedial Action Record

<b>Client</b>	<b>St Ambrose High School Coatbride</b>
<b>Job no.</b>	<b>10468</b>
<b>System ID</b>	<b>Blue water investigation</b>
<b>Location</b>	<b>St ambrose and Buchanan High</b>
<b>Date</b>	<b>29/3/18</b>



Upon arrival on site I went to investigate the blue/black water in the medical room as this was said to be the worst place for this to be happening. The water running from the taps was blue so I took a sample from this point (medical room) and sent it to the lab for analysis. This problem is all throughout the school as well as bucahnan school in the snack area, home economics and science classroom. This is also happening in the main office sink of st ambrose. As you can see from the sample bottle there is a blue shade to the water, this is caused by copper pipe corrosion.

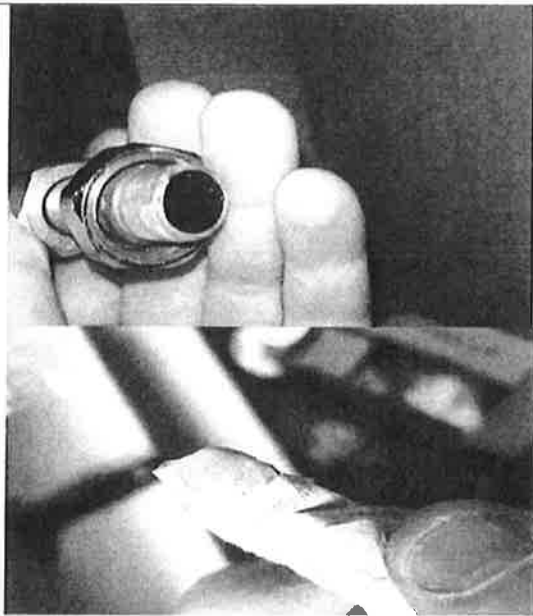


Buchanan highs snack area cold water taps are also running at a high temperature (around 25 degrees) it also is running cloudy (see picture on left) [redacted] informed me that this only only used 1 or twice a week and these outlets aren't run apart from that, I told [redacted] that there should be a flushing regieme put in place to try and bring these temps down and lower the risk of bacteria and stagnation in the pipework.



**Remedial Action Record**

<b>Client</b>	<b>St Ambrose High School Coatbride</b>
<b>Job no.</b>	<b>10468</b>
<b>System ID</b>	<b>Blue water investigation</b>
<b>Location</b>	<b>St ambrose and Buchanan High</b>
<b>Date</b>	<b>29/3/18</b>



In the medical room I took apart the pipes, to see if there was anything in the pipe causing the black dirt to be coming through from time to time. There wasn't anything blocking the pipe as far as I could see as it is mostly all crimped fittings that cannot be taken apart but there was signs of corrosion in the pipe (see pictures on left)

Recommend weekly flushing of pipework in areas with coloured water and sampling these areas to see if a reduction in elements comes down from the initial sample taken.

Replace all copper pipe work with HEP2 pipe to prevent the use of metals in the pipework or chemically dose with a biocide to treat the copper pipework.

Report completed by:			29/03/18
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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 77900410009  
Report Date: 23 November 2018  
National Ref: 77900410009

Test Report No: 70620468  
Issue No: 1

Page: 1 of 2  
Contract: NLBLOCK

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Water Section  
Phone 0141 [REDACTED]  
[REDACTED]@glasgow.gov.uk  
Fax 0141 276 0669

### Sample Details :

Client's Description: Mains Water  
Date taken: 19/11/2018  
Date received: 20/11/2018  
Sampled by: [REDACTED]@northlan.gov.uk  
Legislation: The Public Water Supplies (Scotland) Regulations 2014  
Site: St Ambrose High School  
Sample Point: Home Economics  
Client's Comments: Mains Water Suite Analysis (Chemical)

### Test Details :

- # Appearance Colourless, slightly cloudy
- # Odour No smell

Determination	Result	Units	Regulatory Limits	Method
# Days elapsed since sampling	1	days	<1	
Colour	3	mg/l Pt/Co	<=20	W201
Turbidity	4.4	NTU(FTU)	<=4	W234
pH	8.35	pH Units	6.5 - 9.5	W245
Conductivity	61	µS/cm@20 °C	<=2500	W245
Chloride	6.6	mg Cl/l	<=250	W120
Ammonium	< 0.01	mg NH4/l	<=0.50	W117
Nitrite	< 0.01	mg NO2/l	<=0.50	W119
Nitrate	0.4	mg NO3/l	<=50	W118
Aluminium	7	µg Al/l		W235
Copper	7.489	mg Cu/l	<=2.0	W235
Iron	36	µg Fe/l		W235
Manganese	< 1.60	µg Mn/l	<=50	W235
Zinc	32	µg Zn/l		W235
Lead	0.5	µg Pb/l	<=10	W235
Sodium	3.4	mg Na/l	<=200	W235
Nickel	< 1.3	µg Ni/l	<=20	W235

If a sample has been received by Glasgow Scientific Services greater than 1 day after sampling, then the results of

Tests marked "#" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability

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# Test Report



Client Ref No: 77900410009  
Report Date: 23 November 2018  
National Ref: 77900410009

Test Report No: 70620468  
Issue No: 1

Page: 2 of 2  
Contract: NLBLOCK

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**Opinions/Comments continued:**

some parameters may not be reliable. Please refer to BS ISO5667-3 , for the affected parameters.

**Opinions/Comments:**

The turbidity level is above the prescribed maximum value (4 NTU).

The copper level is above the prescribed maximum concentration (2.0 mg Cu/l). The copper level is above the 24 hour Short-Term Health Risk Action Value for drinking water in Scotland (SHRAVS) (2.0 mg Cu/l). The action value is intended to be protective against gastric irritation.

Approved Signatory:

Tests marked "\*" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



1278

Client Ref No: 77900410037  
Report Date: 23 November 2018  
National Ref: 77900410037

Test Report No: 70620471  
Issue No: 1

Page: 1 of 2  
Contract: NLBLOCK

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Water Section  
Phone 0141 [REDACTED]

[REDACTED]@glasgow.gov.uk

Fax 0141 276 0669

### Sample Details :

Client's Description: Mains Water  
Date taken: 19/11/2018  
Date received: 20/11/2018  
Sampled by: [REDACTED]@northlan.gov.uk  
Legislation: The Public Water Supplies (Scotland) Regulations 2014  
Site: St Ambrose High School  
Sample Point: School Kitchen  
Client's Comments: Mains Complaint Suite Analysis (Chemical)

### Test Details :

# Appearance Clear and colourless  
# Odour No smell

Determination	Result	Units	Regulatory Limits	Method
# Days elapsed since sampling	1	days	<1	
Colour	< 2	mg/l Pt/Co	<=20	W201
Turbidity	0.6	NTU(FTU)	<=4	W234
pH	7.56	pH Units	6.5 - 9.5	W245
Conductivity	60	µS/cm@20°C	<=2500	W245
Chloride	5.8	mg Cl/l	<=250	W120
Ammonium	0.12	mg NH4/l	<=0.50	W117
Nitrite	< 0.01	mg NO2/l	<=0.50	W119
Nitrate	0.5	mg NO3/l	<=50	W118
Aluminium	< 3	µg Al/l		W235
Copper	3.680	mg Cu/l	<=2.0	W235
Iron	< 13	µg Fe/l		W235
Manganese	< 1.60	µg Mn/l	<=50	W235
Zinc	32	µg Zn/l		W235
Lead	< 0.1	µg Pb/l	<=10	W235
Sodium	3.4	mg Na/l	<=200	W235
Nickel	< 1.3	µg Ni/l	<=20	W235

If a sample has been received by Glasgow Scientific Services greater than 1 day after sampling, then the results of

Tests marked "#" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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# Test Report



Client Ref No: 77900410037  
Report Date: 23 November 2018  
National Ref: 77900410037

Test Report No: 70620471  
Issue No: 1

Page: 2 of 2  
Contract: NLBLOCK

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**Opinions/Comments continued:**

some parameters may not be reliable. Please refer to BS ISO5667-3 , for the affected parameters.

**Opinions/Comments:**

The copper level is above the prescribed maximum concentration (2.0 mg Cu/l). The copper level is above the 24 hour Short-Term Health Risk Action Value for drinking water in Scotland (SHRAVS) (2.0 mg Cu/l). The action value is intended to be protective against gastric irritation.

Approved Signatory:

[Redacted Signature]

Tests marked \*# in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 77900410025  
Report Date: 23 November 2018  
National Ref: 77900410025

Test Report No: 70620470  
Issue No: 1

Page: 1 of 2  
Contract: NLBLOCK

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Water Section  
Phone 0141 [REDACTED]  
[REDACTED]@glasgow.gov.uk  
Fax 0141 276 0669

### Sample Details :

Client's Description: Mains Water  
Date taken: 19/11/2018  
Date received: 20/11/2018  
Sampled by: [REDACTED]@northlan.gov.u  
Legislation: The Public Water Supplies (Scotland) Regulations 2014  
Site: St Ambrose High School  
Sample Point: Staff Room  
Client's Comments: Mains Complaint Suite Analysis (Chemical)

### Test Details :

# Appearance Colourless, very cloudy  
# Odour No smell

Determination	Result	Units	Regulatory Limits	Method
# Days elapsed since sampling	1	days	<1	
Colour	< 2	mg/l Pt/Co	<=20	W201
Turbidity	15.5	NTU(FTU)	<=4	W234
pH	7.85	pH Units	6.5 - 9.5	W245
Conductivity	69	µS/cm@20 °C	<=2500	W245
Chloride	6.1	mg Cl/l	<=250	W120
Ammonium	0.03	mg NH4/l	<=0.50	W117
Nitrite	0.10	mg NO2/l	<=0.50	W119
Nitrate	0.4	mg NO3/l	<=50	W118
Aluminium	7	µg Al/l		W235
Copper	0.111	mg Cu/l	<=2.0	W235
Iron	31	µg Fe/l		W235
Manganese	6.84	µg Mn/l	<=50	W235
Zinc	14	µg Zn/l		W235
Lead	< 0.1	µg Pb/l	<=10	W235
Sodium	3.3	mg Na/l	<=200	W235
Nickel	< 1.3	µg Ni/l	<=20	W235

If a sample has been received by Glasgow Scientific Services greater than 1 day after sampling, then the results of

Tests marked "#" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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# Test Report



Client Ref No: 77900410025  
Report Date: 23 November 2018  
National Ref: 77900410025

Test Report No: 70620470  
Issue No: 1

Page: 2 of 2  
Contract: NLBLOCK

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**Opinions/Comments continued:**

some parameters may not be reliable. Please refer to BS ISO5667-3 , for the affected parameters.

**Opinions/Comments:**

The turbidity level is above the prescribed maximum value (4 NTU).

Approved Signatory:

[Redacted Signature]

Tests marked "#" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of this laboratory's UKAS accreditation.

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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



1278

Client Ref No: 77900410015  
Report Date: 23 November 2018  
National Ref: 77900410015

Test Report No: 70620469  
Issue No: 1

Page: 1 of 2  
Contract: NLBLOCK

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Water Section  
Phone 0141 [REDACTED]  
[REDACTED]@glasgow.gov.uk  
Fax 0141 276 0669

### Sample Details :

Client's Description: Mains Water  
Date taken: 19/11/2018  
Date received: 20/11/2018  
Sampled by: [REDACTED]@northlan.gov.uk  
Legislation: The Public Water Supplies (Scotland) Regulations 2014  
Site: St Ambrose High School  
Sample Point: Water Cooler  
Client's Comments: Mains Complaint Suite Analysis (Chemical)

### Test Details :

# Appearance Clear and colourless  
# Odour No smell

Determination	Result	Units	Regulatory Limits	Method
# Days elapsed since sampling	1	days	<1	
Colour	< 2	mg/l Pt/Co	<=20	W201
Turbidity	0.3	NTU(FTU)	<=4	W234
pH	7.19	pH Units	6.5 - 9.5	W245
Conductivity	60	µS/cm@20°C	<=2500	W245
Chloride	6.4	mg Cl/l	<=250	W120
Ammonium	< 0.01	mg NH <sub>4</sub> /l	<=0.50	W117
Nitrite	0.05	mg NO <sub>2</sub> /l	<=0.50	W119
Nitrate	0.5	mg NO <sub>3</sub> /l	<=50	W118
Aluminium	< 3	µg Al/l		W235
Copper	0.034	mg Cu/l	<=2.0	W235
Iron	< 13	µg Fe/l		W235
Manganese	< 1.60	µg Mn/l	<=50	W235
Zinc	28	µg Zn/l		W235
Lead	< 0.1	µg Pb/l	<=10	W235
Sodium	3.4	mg Na/l	<=200	W235
Nickel	1.7	µg Ni/l	<=20	W235

If a sample has been received by Glasgow Scientific Services greater than 1 day after sampling, then the results of

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George Gillespie BEng (Hons) CEng MICE - Executive Director, Neighbourhoods & Sustainability

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# Test Report



Client Ref No: 77900410015  
Report Date: 23 November 2018  
National Ref: 77900410015

Test Report No: 70620469  
Issue No: 1

Page: 2 of 2  
Contract: NLBLOCK

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**Opinions/Comments continued:**

some parameters may not be reliable. Please refer to BS ISO5667-3 , for the affected parameters.

**Opinions/Comments:**

The above results are satisfactory.

Approved Signatory:

[Redacted Signature]

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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 036762  
Report Date: 26 November 2018

Test Report No: 70620643  
Issue No: 1

Page: 1 of 1  
Contract: NLMICRO

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Bacteriology Section  
Phone 0141 [redacted]  
@Glasgow.Gov.uk  
Fax 0141 276 0654

### Sample Details :

Client's Description: Potable Mains Water  
Date taken: 21/11/2018  
Time taken: 10:10  
Date received: 21/11/2018  
Time received: 13:15  
Sampled by: [redacted]  
Sample Type: Water - Potable  
Site: St. Ambrose High School, Townhead Road  
Sample Point: Home Economics  
Legislation: The Public Water Supplies (Scotland) Regulations 2014

### Test Details :

Date started: 21/11/2018

Determination	Result	Units	Method
Total Count at 37C	0	per ml	MEX/51
Total Count at 22C	0	per ml	MEX/52
Total Coliforms	0	per 100ml	MEX/54
E. coli	0	per 100ml	MEX/54

The microbiological characteristics of a sample can change significantly when stored therefore results may have been affected when a sample has been examined more than 24 hours after it was taken.

Results which are expressed as "0 or Absent/specified weight or volume" indicate that no organisms were detected using the laboratory test procedure applied.

### Opinions/Comments:

The above results are satisfactory.

Approved Signatory: [redacted]

Tests marked "\*" in this report/certificate are not included in the UKAS accreditation schedule for our laboratory. Details of test methods and procedures will be supplied on request. Opinions, comments and interpretations expressed herein are outside the scope of Glasgow Scientific Services which is a division of Land and Environmental Services, Glasgow City Council.  
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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 77900410053  
Report Date: 26 November 2018

Test Report No: 70620644  
Issue No: 1

Page: 1 of 2  
Contract: NLMICRO

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Bacteriology Section  
Phone 0141 [REDACTED]  
[REDACTED]@Glasgow.Gov.uk  
Fax 0141 276 0654

### Sample Details :

Client's Description: Potable Mains Water  
Date taken: 21/11/2018  
Time taken: 10:10  
Date received: 21/11/2018  
Time received: 13:15  
Sampled by: [REDACTED]  
Sample Type: Water - Potable  
Site: St. Ambrose High School, Townhead Road  
Sample Point: School Kitchen  
Legislation: The Public Water Supplies (Scotland) Regulations 2014

### Test Details :

Date started: 21/11/2018

<u>Determination</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Count at 37C	> 300	per ml	MEX/51
Total Count at 22C	4	per ml	MEX/52
Total Coliforms	0	per 100ml	MEX/54
E. coli	0	per 100ml	MEX/54

The microbiological characteristics of a sample can change significantly when stored therefore results may have been affected when a sample has been examined more than 24 hours after it was taken.

Results which are expressed as "0 or Absent/specified weight or volume" indicate that no organisms were detected using the laboratory test procedure applied.

### Opinions/Comments:

The Public Water Supplies (Scotland) Regulations 2014 require that the colony count at 37°C of a potable mains water supply should not show a significant increase over that which is normally observed. I am of the opinion that for a potable mains water supply a colony count at 37°C which is greater than 100 colony forming units per millilitre is likely to be significantly greater than that normally observed. Therefore, I am further of the opinion that the colony count at 37°C of the sample did not comply with the above requirement of the Regulations.

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# Test Report



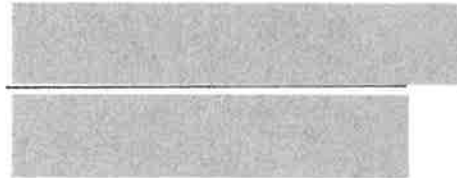
Client Ref No: 77900410053  
Report Date: 26 November 2018

Test Report No: 70620644  
Issue No: 1

Page: 2 of 2  
Contract: NLMICRO

**Opinions/Comments continued:**

Approved Signatory:



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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 036761  
Report Date: 26 November 2018

Test Report No: 70620642  
Issue No: 1

Page: 1 of 2  
Contract: NLMICRO

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Bacteriology Section  
Phone 0141 [REDACTED]  
[REDACTED]@Glasgow.Gov.uk  
Fax 0141 276 0654

### Sample Details :

Client's Description: Potable Mains Water  
Date taken: 21/11/2018  
Time taken: 10:10  
Date received: 21/11/2018  
Time received: 13:15  
Sampled by: [REDACTED]  
Sample Type: Water - Potable  
Site: St. Ambrose High School, Townhead Road  
Sample Point: Staff Room  
Legislation: The Public Water Supplies (Scotland) Regulations 2014

### Test Details :

Date started: 21/11/2018

<u>Determination</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Count at 37C	> 300	per ml	MEX/51
Total Count at 22C	35	per ml	MEX/52
Total Coliforms	0	per 100ml	MEX/54
E. coli	0	per 100ml	MEX/54

The microbiological characteristics of a sample can change significantly when stored therefore results may have been affected when a sample has been examined more than 24 hours after it was taken.

Results which are expressed as "0 or Absent/specified weight or volume" indicate that no organisms were detected using the laboratory test procedure applied.

### Opinions/Comments:

The Public Water Supplies (Scotland) Regulations 2014 require that the colony count at 37°C of a potable mains water supply should not show a significant increase over that which is normally observed. I am of the opinion that for a potable mains water supply a colony count at 37°C which is greater than 100 colony forming units per millilitre is likely to be significantly greater than that normally observed. Therefore, I am further of the opinion that the colony count at 37°C of the sample did not comply with the above requirement of the Regulations.

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# Test Report



Client Ref No: 036761  
Report Date: 26 November 2018

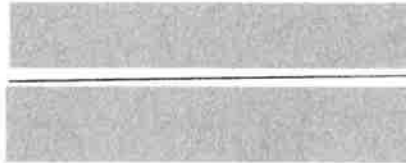
Test Report No: 70620642  
Issue No: 1

Page: 2 of 2  
Contract: NLMICRO

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**Opinions/Comments continued:**

Approved Signatory:



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# Glasgow Scientific Services

64 Everard Drive, Springburn, Glasgow, G21 1XG

## Test Report



Client Ref No: 036760  
Report Date: 26 November 2018

Test Report No: 70620641  
Issue No: 1

Page: 1 of 1  
Contract: NLMICRO

North Lanarkshire Council  
Business Regulation Service  
Fleming House  
Tryst Road  
Cumbernauld  
G67 1DZ

Technical Enquiries : Bacteriology Section  
Phone 0141 [REDACTED]  
@Glasgow.Gov.uk  
Fax 0141 276 0654

### Sample Details :

Client's Description: Potable Mains Water  
Date taken: 21/11/2018  
Time taken: 10:10  
Date received: 21/11/2018  
Time received: 13:15  
Sampled by: [REDACTED]  
Sample Type: Water - Potable  
Site: St. Ambrose High School, Townhead Road  
Sample Point: Water Cooler  
Legislation: The Public Water Supplies (Scotland) Regulations 2014

### Test Details :

Date started: 21/11/2018

<u>Determination</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Count at 37C	66	per ml	MEX/51
Total Count at 22C	50	per ml	MEX/52
Total Coliforms	0	per 100ml	MEX/54
E. coli	0	per 100ml	MEX/54

The microbiological characteristics of a sample can change significantly when stored therefore results may have been affected when a sample has been examined more than 24 hours after it was taken.

Results which are expressed as "0 or Absent/specified weight or volume" indicate that no organisms were detected using the laboratory test procedure applied.

### Opinions/Comments:

The above results are satisfactory.

Approved Signatory: [REDACTED]

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