Report for:
Intrusive Structural Inspection
Client: Civic Engineers
Site: Marlsbro House, Manchester
Report ref :STR3522
Issue date : 8th April 2026
Issue Nº : 002

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Approval Sheet and Foreword

Report Status/Issue No: 002		Job No: STR3522
Client Name/Address: Civic Engineers, Carver's Warehouse, 77 Dale Street, Manchester M1 2HG		
Prepared by: Job Title:	Karen Sorrentino Reports Manager	
Approved by: Job Title:	Joe Cufflin Project Manager	
Issued for and on behalf of SOCOTEC UK by the above signatory.	Unit 5, Hainge Park, Hainge Road, Tividale, Oldbury B69 2NY	Tel: 07485 358692 Email: Joe.Cufflin@socotec.co.uk

Foreword

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Distribution

Date:	Name	Company	PDF	Hard copy	Issue No
18/03/2026	James Bruce	Civic Engineers	X	-	001
08/04/2026	James Bruce	Civic Engineers	X	-	002

The latest version of this report supersedes any previous versions issued

SOCOTEC UK Limited
Registered Office: SOCOTEC House, Bretby Business Park, Ashby Road, Burton upon Trent, DE15 0YZ
Incorporated in England : 02880501

1.0 Introduction

Following written instructions from James Bruce of Civic Engineers, SOCOTEC UK visited the site in order to carry out an Intrusive Structural Inspection. Works were carried out under an email to proceed dated 26th November 2025.

This contract included the inspection and sampling of Marlsbro House.

Site work was carried out from the 15th to 18th December 2025.

2.0 In-situ sampling

2.1 Sampling of bricks

Samples were taken from masonry units using powered hand tools.

5no. brick samples were taken from each floor as agreed by our client

2.2 Sampling of metallic material

15no. samples were taken from various elements as instructed by our client using powered hand tools.

The sample locations are shown in Appendix I.

2.3 Sampling of paint

33no. samples were taken from various elements as instructed by our client using manual hand tools.

The sample locations are shown in Appendix I.

3.0 In-situ testing

3.1 Column thickness measurements

At 3no. locations on each column, the metal was drilled and measurements taken.

The sample locations are shown in Appendix I and the results are shown in Appendix II.

4.0 Laboratory testing

4.1 Compressive strength of brick samples

The samples were tested in accordance with BS EN 772-1:2011+A1:2015 and BS EN 772-16:2011.

The results are shown in Appendix III.

4.2 Metallurgical testing of column samples

The samples were examined in accordance with procedures detailed in the test report which can be found in Appendix III.

4.3 Lead in paint analysis

The samples were tested in accordance with methods detailed in the test report which can be found in Appendix III.

APPENDIX I

SAMPLE AND TEST LOCATIONS

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		Paint Sample Location Thickness Measurement and Metal / Paint Sample Note that Paint and Metal samples have been taken at Locations A, B & C. 5no. brick samples taken on this floor.
	LOCATION: Basement	JOB No.: STR3522	

INDICATIVE SAMPLE LOCATIONS



A

B

C

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		Paint Sample Location Thickness Measurement and Metal / Paint Sample Note that Paint and Metal samples have been taken at Locations A, B & C. 5no. brick samples taken on this floor.
	LOCATION: Ground floor	JOB No.: STR3522	

INDICATIVE SAMPLE LOCATIONS





A



B



C

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		Paint Sample Location Thickness Measurement and Metal / Paint Sample Note that Paint and Metal samples have been taken at Locations A, B & C. 5no. brick samples taken on this floor.
	LOCATION: Level 1	JOB No.: STR3522	

INDICATIVE SAMPLE LOCATIONS





A



B



C

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		Paint Sample Location Thickness Measurement and Metal / Paint Sample Note that Paint and Metal samples have been taken at Locations A, B & C. 5no. brick samples taken on this floor.
	LOCATION: Level 2	JOB No.: STR3522	

INDICATIVE SAMPLE LOCATIONS





A



B



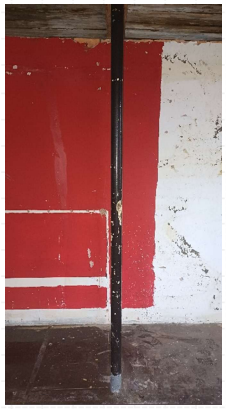
C

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		Paint Sample Location Thickness Measurement and Metal / Paint Sample Note that Paint and Metal samples have been taken at Locations A, B & C. 5no. brick samples taken on this floor.
	LOCATION: Level 3	JOB No.: STR3522	

INDICATIVE SAMPLE LOCATIONS





A



B



C

APPENDIX II

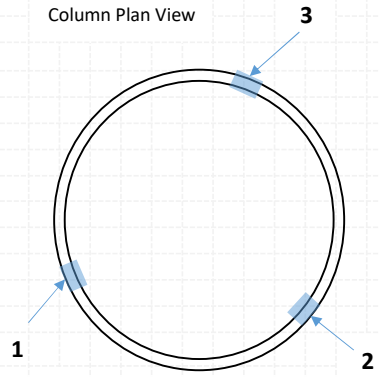
IN-SITU INSPECTIONS

RESULTS SHEET FOR TESTING OF STRUCTURES (A3 SIZE)

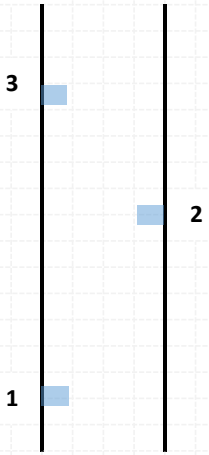
SOCOTEC	CLIENT: Civic Engineers	Form STRF114 A V1 12/21	COMMENTS - INCLUDE DETAILS OF SAMPLING LOCATIONS, BREAKOUT LOCATIONS, ETC.
	SITE: Marlsbro House		
	LOCATION: -	JOB No.: STR3522	

COLUMN THICKNESS MEASUREMENTS

Column Plan View



Column Front View



Floor level	Column Ref.	Column diameter (mm)	Measurement at Point 1 (mm)	Offset from Floor Slab (mm)	Measurement at Point 2 (mm)	Offset from Floor Slab (mm)	Measurement at Point 3 (mm)	Offset from Floor Slab (mm)	Average thickness (mm)
Basement	A	150	19	420	15	1350	19	1850	**17.7**
Basement	B	150	15	420	17	1530	18	1835	**16.7**
Basement	C	150	17	420	17	1420	16	1905	**16.7**
Ground Floor	A	125	21	420	21	1045	20	1640	**20.7**
Ground Floor	B	125	21	420	21	1070	19	1645	**20.3**
Ground Floor	C	125	18	395	16	1105	18	1700	**17.3**
Level 1	A	115	18	420	21	1035	21	1530	**20.0**
Level 1	B	115	17	420	21	985	21	1580	**19.7**
Level 1	C	115	15	420	15	1110	15	1720	**15.0**
Level 2	A	100	18	420	17	1070	18	1665	**17.7**
Level 2	B	100	21	420	20	910	20	1520	**20.3**
Level 2	C	100	20	420	15	905	15	1485	**16.7**
Level 3	A	75	5	225	5	1335	5	1800	**5.0**
Level 3	B	75	5	420	5	1365	5	1930	**5.0**
Level 3	C	75	5	420	5	1360	5	1860	**5.0**

APPENDIX III

LABORATORY TESTING

APPENDIX III.I

BRICK COMPRESSIVE STRENGTH TESTING

SOCOTEC UK Limited
Unit 11, Cowley Mill Trading Estate
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Middlesex
UB8 2YG, United Kingdom
Telephone: 01895 235 235

Masonry Test Report

TEST REPORT

Project Details

Client:	CIVIC ENGINEERS LTD
Client Address:	77 DALE STREET M1 2HG
Project:	P260213 - Marlsbro House

Report Details

Report No.:	MTR:SOU26-01535-C0006
Report Date:	17/02/2026
Issue No.:	3
Recipients:	Joe Cufflin MAT ADMIN

Sample Details

Supplier:	–	Sampled By :	Client
Source:	–		
Sampling Method:	Unknown	Classification:	Brick
Sampling Certificate:	Yes	Date Received:	19/01/2026
No. of Specimens:	5	Date Cast:	Date Not Supplied

Test Details

BS EN 772-1:2011+A1:2015 /BS EN 772-16:2011

Date Tested:	28/01/2026	Surface Preparation:	7.2.4 Grinding
		Conditioning Method:	7.3.5 Immersion

Test Results

Specimen ID	Length (mm)	Width (mm)	Height (mm)	Density (kg/m³)	Failure Load (N/mm²)	Compressive Strength (N/mm²)
057243\A	224	111	72	1926.14	649316.0	26.1
057243\B	232	110	73	1922.95	719631.0	28.2
057243\C	227	109	74	2014.45	777131.0	31.4
057243\D	225	104	76	1823.17	413756.0	17.7
057243\E	219	110	74	1944.86	671611.0	27.9

Compressive Strength of Sample (N/mm²):	26.3
Coefficient of Variation (%):	19.7
Normalised Compressive Strength of Sample (N/mm²):	26.8

Signed: 

Gareth Botha - Auxilliary Supervisor

Signed Date: 17/02/2026

Comments

Sampled from level 3
Supplementary to Test Report CONC_SOU26-01535-C0006 [2], the project address has been amended.

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SOCOTEC UK Limited
Unit 11, Cowley Mill Trading Estate
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Masonry Test Report

TEST REPORT

Project Details

Client:	CIVIC ENGINEERS LTD
Client Address:	77 DALE STREET M1 2HG
Project:	P260213 - Marlsbro House

Report Details

Report No.:	MTR:SOU26-01535-C0001
Report Date:	17/02/2026
Issue No.:	4
	Preliminary Report Issued - Issue:1
Recipients:	Joe Cufflin MAT ADMIN

Sample Details

Supplier:	–	Sampled By :	SOCOTEC
Source:	–		
Sampling Method:	Unknown	Classification:	Brick
Sampling Certificate:	Yes	Date Received:	19/01/2026
No. of Specimens:	5	Date Cast:	Date Not Supplied

Test Details

BS EN 772-1:2011+A1:2015 /BS EN 772-16:2011

Date Tested:	26/01/2026	Surface Preparation:	7.2.4 Grinding
		Conditioning Method:	7.3.5 Immersion

Test Results

Specimen ID	Length (mm)	Width (mm)	Height (mm)	Density (kg/m³)	Failure Load (N/mm²)	Compressive Strength (N/mm²)
053913\A	229	110	72	2031.88	1331120.0	52.8
053913\B	223	112	75	2005.85	931141.0	37.3
053913\C	228	112	71	2068.89	834783.0	32.7
053913\D	228	116	71	2071.43	846625.0	32.0
053913\E	225	110	70	2012.37	1173560.0	47.4

Compressive Strength of Sample (N/mm²):	40.4
Coefficient of Variation (%):	22.9
Normalised Compressive Strength of Sample (N/mm²):	38.8

Signed:  Gareth Botha - Auxilliary Supervisor

Signed Date: 17/02/2026

Comments

Sampled from basement
Supplementary to Test Report CONC_SOU26-01535-C0001 [3], the project address has been amended.

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Masonry Test Report

TEST REPORT

Project Details

Client:	CIVIC ENGINEERS LTD
Client Address:	77 DALE STREET M1 2HG
Project:	P260213 - Marlsbro House

Report Details

Report No.:	MTR:SOU26-01535-C0002
Report Date:	17/02/2026
Issue No.:	4
	Preliminary Report Issued - Issue:1
Recipients:	Joe Cufflin MAT ADMIN

Sample Details

Supplier:	–	Sampled By :	SOCOTEC
Source:	–		
Sampling Method:	Unknown	Classification:	Brick
Sampling Certificate:	No	Date Received:	19/01/2026
No. of Specimens:	5	Date Cast:	Date Not Supplied

Test Details

BS EN 772-1:2011+A1:2015 /BS EN 772-16:2011

Date Tested:	26/01/2026	Surface Preparation:	7.2.4 Grinding
		Conditioning Method:	7.3.5 Immersion

Test Results

Specimen ID	Length (mm)	Width (mm)	Height (mm)	Density (kg/m³)	Failure Load (N/mm²)	Compressive Strength (N/mm²)
053915\A	232	110	71	2040.84	475021.0	18.6
053915\B	231	115	75	2022.25	528700.0	19.9
053915\C	229	112	72	1981.25	623152.0	24.3
053915\D	233	114	73	1978.87	770611.0	29.0
053915\E	225	107	71	1964.26	1111060.0	46.1

Compressive Strength of Sample (N/mm²):	27.6
Coefficient of Variation (%):	40.4
Normalised Compressive Strength of Sample (N/mm²):	28.1

Signed: 

Gareth Botha - Auxilliary Supervisor

Signed Date: 17/02/2026

Comments

Sampled from ground floor
Supplementary to Test Report CONC_SOU26-01535-C0002 [3], the project address has been amended.

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Middlesex
UB8 2YG, United Kingdom
Telephone: 01895 235 235

Masonry Test Report

TEST REPORT

Project Details

Client:	CIVIC ENGINEERS LTD
Client Address:	77 DALE STREET M1 2HG
Project:	P260213 - Marlsbro House

Report Details

Report No.:	MTR:SOU26-01535-C0003
Report Date:	17/02/2026
Issue No.:	4
	Preliminary Report Issued - Issue:1
Recipients:	Joe Cufflin MAT ADMIN

Sample Details

Supplier:	–	Sampled By :	SOCOTEC
Source:	–		
Sampling Method:	Unknown	Classification:	Brick
Sampling Certificate:	Yes	Date Received:	19/01/2026
No. of Specimens:	5	Date Cast:	Date Not Supplied

Test Details

BS EN 772-1:2011+A1:2015 /BS EN 772-16:2011

Date Tested:	27/02/2026	Surface Preparation:	7.2.4 Grinding
		Conditioning Method:	7.3.5 Immersion

Test Results

Specimen ID	Length (mm)	Width (mm)	Height (mm)	Density (kg/m³)	Failure Load (N/mm²)	Compressive Strength (N/mm²)
053916\A	224	106	67	1850.82	917788.0	38.7
053916\B	230	113	78	1927.65	1121610.0	43.2
053916\C	230	111	75	1863.16	986744.0	38.7
053916\D	231	106	72	1893.59	473369.0	19.3
053916\E	248	112	81	2119.71	814383.0	29.3

Compressive Strength of Sample (N/mm²):	33.8
Coefficient of Variation (%):	28.2
Normalised Compressive Strength of Sample (N/mm²):	34.5

Signed: 

Gareth Botha - Auxilliary Supervisor

Signed Date: 17/02/2026

Comments

Sampled from level 1
Supplementary to Test Report CONC_SOU26-01535-C0003 [3], the project address has been amended.

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Telephone: 01895 235 235

Masonry Test Report

TEST REPORT

Project Details

Client:	CIVIC ENGINEERS LTD
Client Address:	77 DALE STREET M1 2HG
Project:	P260213 - Marlsbro House

Report Details

Report No.:	MTR:SOU26-01535-C0004
Report Date:	17/02/2026
Issue No.:	3
Recipients:	Joe Cufflin MAT ADMIN

Sample Details

Supplier:	–	Sampled By :	SOCOTEC
Source:	–		
Sampling Method:	Unknown	Classification:	Brick
Sampling Certificate:	Yes	Date Received:	19/01/2026
No. of Specimens:	5	Date Cast:	Date Not Supplied

Test Details

BS EN 772-1:2011+A1:2015 /BS EN 772-16:2011

Date Tested:	27/01/2026	Surface Preparation:	7.2.4 Grinding
		Conditioning Method:	7.3.5 Immersion

Test Results

Specimen ID	Length (mm)	Width (mm)	Height (mm)	Density (kg/m³)	Failure Load (N/mm²)	Compressive Strength (N/mm²)
053917\A	227	110	73	1880.09	970320.0	38.9
053917\B	228	113	76	1944.63	748032.0	29.0
053917\C	230	112	74	1844.93	844956.0	32.8
053917\D	229	111	74	1923.60	759314.0	29.9
053917\E	248	112	81	1906.58	814383.0	29.3

Compressive Strength of Sample (N/mm²):	32.0
Coefficient of Variation (%):	12.9
Normalised Compressive Strength of Sample (N/mm²):	32.6

Signed: 

Gareth Botha - Auxilliary Supervisor

Signed Date: 17/02/2026

Comments

Sampled from level 2
Supplementary to Test Report CONC_SOU26-01535-C0004 [2], the project address has been amended.

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APPENDIX III.II

METALLURGICAL TESTING OF COLUMN SAMPLES

SOCOTEC Central,
Leofric Business Park
Progress Close
Coventry
CV3 2TF

Metallurgical Testing of Column Samples – Marlsbro House

for

Civic Engineers

Date:	17th February 2026
File Reference Number:	STR3522
Your Reference Number:	
Document Reference Number:	039/26R1

Registered Name:SOCOTEC UK Limited.Registration Number:2880501.Registered office: SOCOTEC House,Bretby Business Park,Ashby Road,Burton Upon Trent,DE15 0YZ

Metallurgical Testing of Column Samples – Marlsboro House *for* Civic Engineers

Prepared and Approved by	Tim Norman BSc MSc Principal Materials Consultant
Signature:	
Countersigned by	Joe Cufflin
	Project Manager
	

Prepared for:	Civic Engineers
Address:	77 Dale Street Manchester M1 2HG

Date:	17th February 2026
File Reference Number:	STR3522
Your Reference Number:	
Document Reference Number:	039/26R1

Registered Name:SOCOTEC UK Limited.Registration Number:2880501.Registered office: SOCOTEC House,Bretby Business Park,Ashby Road,Burton Upon Trent,DE15 0YZ

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Registered Name:SOCOTEC UK Limited.Registration Number:2880501.Registered office: SOCOTEC House,Bretby Business Park,Ashby Road,Burton Upon Trent,DE15 0YZ

Samples Received

15 samples cut from columns at Marlsbro House were received on 5th February 2026 for the purpose of identifying the material. The samples received are listed below:

Basement	Sample A
Basement	Sample B
Basement	Sample C
Ground Floor	Sample A
Ground Floor	Sample B
Ground Floor	Sample C
Level 1	Sample A
Level 1	Sample B
Level 1	Sample C
Level 2	Sample A
Level 2	Sample B
Level 2	Sample C
Level 3	Sample A
Level 3	Sample B
Level 3	Sample C

Metallographic Examination

Cross sections were prepared from each sample. They were encapsulated in thermosetting resin, ground and polished to a 1 micron finish for examination in the as polished and etched condition (2% Nital).

Examination under a metallurgical microscope revealed the following microstructures.

Basement	Sample A	Grey flake cast iron with ferrite and pearlite microstructure with some phosphide eutectic
Basement	Sample B	Grey flake cast iron with ferrite and pearlite microstructure with some phosphide eutectic
Basement	Sample C	Grey flake cast iron with ferrite and pearlite microstructure with some phosphide eutectic

Registered Name:SOCOTEC UK Limited.Registration Number:2880501.Registered office: SOCOTEC House,Bretby Business Park,Ashby Road,Burton Upon Trent,DE15 0YZ

Ground Floor	Sample A	Grey flake cast iron with ferrite and pearlite matrix with some phosphide eutectic
Ground Floor	Sample B	Grey flake cast iron with ferrite and pearlite matrix with some phosphide eutectic
Ground Floor	Sample C	Grey flake cast iron with ferrite and pearlite matrix with some phosphide eutectic
Level 1	Sample A	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 1	Sample B	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 1	Sample C	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 2	Sample A	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 2	Sample B	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 2	Sample C	Grey flake cast iron with pearlite matrix with some phosphide eutectic
Level 3	Sample A	Steel microstructure consisting of ferrite and pearlite grains
Level 3	Sample B	Steel microstructure consisting of ferrite and pearlite grains
Level 3	Sample C	Steel microstructure consisting of ferrite and pearlite grains

Discussion of Results

- All samples from the basement, ground floor, level 1 and 2 have been identified as grey flake cast irons
- The samples from Level 3 have been identified as mild steel

Quality Statement

We confirm that in preparing this report we have exercised all reasonable skill and care. Any information relating to the sample received for testing has been supplied by the client unless otherwise specified.

This report does not provide ‘product approval’ status but shows only the results of the material or sample tested.

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Any samples relating to this report will be retained for a period of one month from the date of the report, unless you request differently.

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APPENDIX III.III

LEAD IN PAINT ANALYSIS

Lead in Paint Analysis – STR3522

Report No.: COA07304

Client Ref: STR3522

Issue Date: 16/02/2026

Issue No.: 01

Client:
Civic Engineers
Carver's Warehouse
77 Dale Street
Manchester
M1 2HG

Prepared and authorised by:
Scott Bate
Section Manager, Coatings

Checked by:
Darren Prince
Section Manager, Coatings

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The results contained herein relate only to the items tested. Unless stated otherwise, SOCOTEC UK Ltd was not responsible for the sampling stage and results apply to samples as received. Any opinions and interpretations expressed herein are outside of our UKAS accreditation.

Issued by SOCOTEC UK Ltd, Bretby Business Park, Ashby Road, Burton on Trent DE15 0YZ

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Issue History

Issue number	Issue date	Issued by
01	16/02/2026	SB
Reason for issue		
First issue of finished report		

This report supersedes any previous versions of this report issued by SOCOTEC UK Ltd.

Sample Reference

SOCOTEC Sample No.	Client Sample Reference	Sampled by SOCOTEC (Y/N)
260510	Basement - Paint Sample A	Y
260511	Basement - Paint Sample B	Y
260512	Basement - Paint Sample C	Y
260513	Basement - Paint Sample P1	Y
260514	Basement - Paint Sample P2	Y
260515	Basement - Paint Sample P3	Y
260516	Ground Floor - Paint Sample A	Y
260517	Ground Floor - Paint Sample B	Y
260518	Ground Floor - Paint Sample C	Y
260519	Ground Floor - Paint Sample P1	Y
260520	Ground Floor - Paint Sample P2	Y
260521	Ground Floor - Paint Sample P3	Y
260522	Ground Floor - Paint Sample P4	Y
260523	Ground Floor - Paint Sample P5	Y
260524	Level 1 - Paint Sample A	Y
260525	Level 1 - Paint Sample B	Y
260526	Level 1 - Paint sample C	Y
260527	Level 1 - Paint Sample P1	Y
260528	Level 1 - Paint Sample P2	Y
260529	Level 1 - Paint Sample P3	Y
260530	Level 1 - Paint Sample P4	Y
260531	Level 2 - Paint Sample A	Y
260532	Level 2 - Paint Sample B	Y
260533	Level 2 - Paint Sample C	Y
260534	Level 2 - Paint Sample P1	Y
260535	Level 2 - Paint Sample P2	Y
260536	Level 2 - Paint Sample P3	Y
260537	Level 2 - Paint Sample P4	Y
260538	Level 3 - Paint Sample A	Y
260539	Level 3 - Paint Sample B	Y
260540	Level 3 - Paint Sample C	Y
260541	Level 3 - Paint Sample P1	Y
260542	Level 3 - Paint Sample P2	Y
260543	Level 3 - Paint Sample P3	Y

Sample and Method Descriptions

Number of Samples Received	Matrix / Sample Description	Method ID	Description
34	Paint flakes	IHM	**HOTPLATE DIGESTION** – A portion of the samples were digested in high-purity concentrated acid, using hotplate assisted heating. Following digestion, the samples were diluted to a known volume with deionised water.
		ASC/SOP/102	**OPERATION AND MAINTENANCE OF INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETERS (ICP-OES) –** The samples were filtered and diluted as necessary and analysed by ICP-OES calibrated using certified standards.

Lead Results

Table 1: Paint Flake Samples – Results in mg/kg and %w/w

	Units	mg/kg	%w/w
	Method ID (ASC/SOP/xxx)	IHM/102	IHM/102
	Instrument Limit of Detection	2/90*	0.0002/0.009*
	UKAS	NO	NO
SOCOTEC Sample Reference	**Client Sample Reference**	**Pb**	**Pb**
260510	Basement - Paint Sample A	36000*	3.6*
260511	Basement - Paint Sample B	97000*	9.7*
260512	Basement - Paint Sample C	42000*	4.2*
260513	Basement - Paint Sample P1	65	0.0065
260514	Basement - Paint Sample P2	57	0.0057
260515	Basement - Paint Sample P3	45	0.0045
260516	Ground Floor - Paint Sample A	63000*	6.3*
260517	Ground Floor - Paint Sample B	76000*	7.6*
260518	Ground Floor - Paint Sample C	8900	0.89
260519	Ground Floor - Paint Sample P1	350	0.035
260520	Ground Floor - Paint Sample P2	770	0.077
260521	Ground Floor - Paint Sample P3	4200	0.42
260522	Ground Floor - Paint Sample P4	730	0.073
260523	Ground Floor - Paint Sample P5	2400	0.24
260524	Level 1 - Paint Sample A	66000*	6.6*
260525	Level 1 - Paint Sample B	70000*	7.0*
260526	Level 1 - Paint sample C	64000*	6.4*

1. Results marked with a * have the corresponding ILoD marked with a *

Table 2: Paint Flake Samples – Results in mg/kg and %w/w

	Units	mg/kg	%w/w
	Method ID (ASC/SOP/xxx)	IHM/102	IHM/102
	Instrument Limit of Detection	2/90*	0.0002/0.009*
	UKAS	NO	NO
SOCOTEC Sample Reference	**Client Sample Reference**	**Pb**	**Pb**
260527	Level 1 - Paint Sample P1	260000*	26*
260528	Level 1 - Paint Sample P2	450000*	45*
260529	Level 1 - Paint Sample P3	91	0.0091
260530	Level 1 - Paint Sample P4	22	0.0022
260531	Level 2 - Paint Sample A	19000*	1.9*
260532	Level 2 - Paint Sample B	44000*	4.4*
260533	Level 2 - Paint Sample C	98000*	9.8*
260534	Level 2 - Paint Sample P1	32	0.0032
260535	Level 2 - Paint Sample P2	2600	0.26
260536	Level 2 - Paint Sample P3	600	0.060
260537	Level 2 - Paint Sample P4	1100	0.11
260538	Level 3 - Paint Sample A	3900	0.39
260539	Level 3 - Paint Sample B	5100	0.51
260540	Level 3 - Paint Sample C	7700	0.77
260541	Level 3 - Paint Sample P1	55	0.0055
260542	Level 3 - Paint Sample P2	120	0.012
260543	Level 3 - Paint Sample P3	15000*	1.5*

1. Results marked with a * have the corresponding ILoD marked with a *

Samples highlighted in yellow were found to contain a Lead content that met or exceeded the Control of Lead At Work (CLAW) limits.

Lead Information

The Lead ACOP provides a list of materials and processes that may result in significant exposure to lead. For instance, it infers that working with materials that contain more than 1% total lead (or 10000 mg/kg) is liable to result in significant exposure. Any work activity that may give rise to lead dust should be avoided where reasonably practicable. Such activities include blast removal, dry disking, grinding or cutting with power tools. This shall also apply to COSHH metals where their concentration in paint is reported to be high.

The removal of paint is likely to generate potentially harmful levels of dust. The employer is responsible for controlling the exposure limits by applying measures appropriate to the activity that are consistent with the risk assessment. Measures include, in order of priority:

- the design and use of appropriate work processes, systems and engineering controls and provision of suitable work equipment and materials,
- the control of exposure at source, including adequate ventilation systems and appropriate organizational measures such as reducing the number of employees exposed to lead and the level / duration of exposure, and
- the provision of suitable PPE in addition to the measures above, where adequate controls of exposure cannot be achieved by other means.

Using this report it is the employers responsibility to identify potential risks/hazards involving the metals/materials therein mentioned and ensure that appropriate controls and risk assessments are in place.

For your information the below links may be helpful in doing this.

http://www.hse.gov.uk/pUbns/priced/l132.pdf (CLAW – Control of lead at work)
http://www.hse.gov.uk/pubns/indg441.pdf (Arsenic and you)
http://www.hse.gov.uk/pubns/indg391.pdf (Cadmium and you)
http://www.hse.gov.uk/pubns/indg346.pdf (Chromium and you)
http://www.hse.gov.uk/pubns/books/eh40.htm (EH40/2005 Workplace exposure limits)
http://www.hse.gov.uk/pubns/eh44.pdf (Dust in the workplace general principles of protection)

End of Report

End of report