

Our Ref: SKT/JK/V0925

11 February 2026

Dial Post Developments Limited,
The Cannons,
Furnace Farm Road,
East Grinstead
RH19 2PU

Southern Testing Laboratories Ltd
Keeble House, Stuart Way
East Grinstead, West Sussex RH19 4QA
t 01342 333100 f 01342 410321
e info@southern-testing.co.uk w southern-testing.co.uk

Directors M W Stevenson BSc MBA CEng CEnv MICE CGeol FGS MconSE (Chairman)
Dr L D Mockett BSc PhD PGDip FGS (Joint Managing Director)
Dr J Kelly BSc PhD DIC (Joint Managing Director)
S F Pratt BSc MSc CGeol FGS DIC
P J Sugden BSc MSc FGS
C Lennard BEng
D Spearman BEng ACSM MSc CGeol FGS EurGeol RoGEP
Co. Secretary P L Noble
Consultant D Illingworth BSc FGS

For the attention of Cindy Westbrook
By e-mail: cindy@whiteoak.co.uk

Dear Madam,

Re: Validation of Plots 1 & 2 at: Blakers Work, Worthing Rd, Dial Post, W. Sussex, RH13 8NJ
National Grid Reference: TQ 15503 19385
Geology: Weald Clay Formation

In accordance with our Remediation Strategy and Verification Plan for the site (ref. STL V0925 rev. B dated 7th February 2022), please find attached photographs taken by ourselves to verify the remedial works undertaken with respect the private garden areas to plots 1 and 2 (nos. 2 and 4 Blakers Works respectively). Please see enclosed site plan.

The Remediation Strategy and Verification Plan required a minimum thickness of 150mm of certified clean topsoil over certified clean subsoils.

As part of the remedial works undertaken in conjunction with the demolition and site clearance works, which were completed in April 2022, the Made Ground was removed from across all proposed garden and soft landscaped areas, down to natural soils. These works are detailed in our Interim Verification Report (Ref. V0925 Issue 2 dated 22 April 2022). Please see enclosed photographs for plots 1 and 2 from our site visit of the 14th March 2022.

Following the placement of site-won subsoil, and imported topsoil to plots 1 and 2, we attended site on the 1st October 2025. At the time of this site visit the garden areas to these plots had been completed.

The soils encountered comprised imported topsoil, consisting of mid brown silty clay sandy soil with organic matter to 150mm. Below this were site-won soils, comprising brown silty clay with rare gravel of flint, brick and concrete. Please see enclosed photographs.

In accordance with the Remediation Strategy and Verification Plan for the site a sample of the imported topsoil, and underlying site-won soil was taken from each plot.

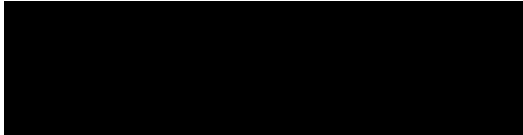


Laboratory analysis of these samples for potential contamination showed that these soils would be considered suitable for use within the garden areas. Copies of the laboratory test certificates are enclosed.

On the basis of the above, the specified remedial works for plots 1 and 2 (nos. 2 and 4 Blakers Works) appear to have been completed in accordance with the approved method statement. The results of the laboratory analysis carried out on samples taken from the site meet the assessment criteria for the remedial works.

Please do not hesitate to contact us should you have any queries regarding the above.

Yours faithfully,



Sarah Toms MSc MEnvSc

For and on behalf of

Southern Testing Laboratories Limited

DDI: 01342 333 129

Email: stoms@southerntesting.co.uk

Encs

Figure 1 – Sample location plan

Photographs

Laboratory Test certificate – topsoil & subsoil

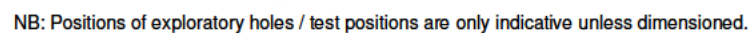
V0925 Dial Post - [Issue 1]



Plate 1: Photograph provided from site showing the placement of topsoil.



Plate 2: Plot 1 completed.



Plate 3: Plot 2 (foreground) and Plot 1 completed.



Plate 4: Site won soils placed in Plot 2.



Plate 1: Looking SW across plots 1 and 2 following the removal of the residual Made Ground



Plate 2: SW corner of Plots 1 & 2 following the removal of the residual Made Ground



Plate 3: Looking north across plots 1 & 2.



Plate 4: Looking northeast across plots 1 & 2.

Southern Testing Laboratories Ltd
Keeble House
Stuart Way
East Grinstead
West Sussex
RH19 4QA

t: 01342 333100

e: contamresults@southerntesting.co.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

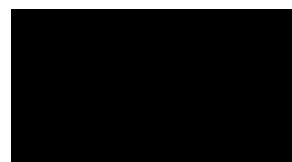
t: 01923 225404

f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-057897

Project / Site name:	Blakers Works	Samples received on:	23/10/2025
Your job number:	V0925	Samples instructed on/ Analysis started on:	23/10/2025
Your order number:	V0925_9	Analysis completed by:	03/11/2025
Report Issue Number:	1	Report issued on:	03/11/2025
Samples Analysed:	1 soil sample		



Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-057897

Project / Site name: Blakers Works

Your Order No: V0925_9

Lab Sample Number	728800			
Sample Reference	Plot1			
Sample Number	ES			
Water Matrix	N/A			
Depth (m)	0.10			
Date Sampled	23/10/2025			
Time Taken	1200			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	18
Total mass of sample received	kg	0.1	NONE	1.2

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PDO
Analysis completed	N/A	N/A	N/A	31/10/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	280
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.139
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	139
Sulphide	mg/kg	1	MCERTS	3.1
Organic Matter (automated)	%	0.1	MCERTS	4.2

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.16
Acenaphthylene	mg/kg	0.05	MCERTS	0.12
Acenaphthene	mg/kg	0.05	MCERTS	0.21
Fluorene	mg/kg	0.05	MCERTS	0.28
Phenanthrene	mg/kg	0.05	MCERTS	2.2
Anthracene	mg/kg	0.05	MCERTS	0.6
Fluoranthene	mg/kg	0.05	MCERTS	3.3
Pyrene	mg/kg	0.05	MCERTS	3.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.6
Chrysene	mg/kg	0.05	MCERTS	1.8
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.3
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.91
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.24
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.2

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	20.8
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Analytical Report Number: 25-057897

Project / Site name: Blakers Works

Your Order No: V0925_9

Lab Sample Number				728800
Sample Reference				Plot1
Sample Number				ES
Water Matrix				N/A
Depth (m)				0.10
Date Sampled				23/10/2025
Time Taken				1200
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.9
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26
Lead (aqua regia extractable)	mg/kg	1	MCERTS	70
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	100

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-057897

Project / Site name: Blakers Works

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
728800	Plot1	ES	0.1	Brown loam and clay with gravel and vegetation

Analytical Report Number : 25-057897

Project / Site name: Blakers Works

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

Southern Testing Laboratories Ltd
Keeble House
Stuart Way
East Grinstead
West Sussex
RH19 4QA

t: 01342 333100

e: contamresults@southerntesting.co.uk
stoms@southerntesting.co.uk;

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
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WD18 8YS

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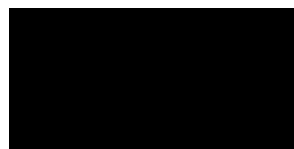
f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-053998

Replaces Analytical Report Number: 25-053998, issue no. 3
Report split as per client's request.

Project / Site name:	Blakers Works	Samples received on:	03/10/2025
Your job number:	V0925	Samples instructed on/ Analysis started on:	03/10/2025
Your order number:	V0925 7A	Analysis completed by:	14/10/2025
Report Issue Number:	4A	Report issued on:	17/11/2025
Samples Analysed:	1 soil sample		



Signed:

Caterina Bentley
Customer service Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

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soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 25-053998
Project / Site name: Blakers Works
Your Order No: V0925 7A

Lab Sample Number	706586			
Sample Reference	PLOT2			
Sample Number	ES			
Water Matrix	N/A			
Depth (m)	0.00			
Date Sampled	01/10/2025			
Time Taken	0900			
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	9.7
Total mass of sample received	kg	0.1	NONE	1.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA
Analysis completed	N/A	N/A	N/A	13/10/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	670
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.337
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	337
Sulphide	mg/kg	1	MCERTS	3.5
Organic Matter (automated)	%	0.1	MCERTS	4.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	0.11
Acenaphthene	mg/kg	0.05	MCERTS	0.11
Fluorene	mg/kg	0.05	MCERTS	0.12
Phenanthrene	mg/kg	0.05	MCERTS	1.8
Anthracene	mg/kg	0.05	MCERTS	0.55
Fluoranthene	mg/kg	0.05	MCERTS	3.6
Pyrene	mg/kg	0.05	MCERTS	3.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.7
Chrysene	mg/kg	0.05	MCERTS	1.7
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	2.3
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.75
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.8
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.99
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.23
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	19.9
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Analytical Report Number: 25-053998
Project / Site name: Blakers Works
Your Order No: V0925 7A

Lab Sample Number				706586
Sample Reference				PLOT2
Sample Number				ES
Water Matrix				N/A
Depth (m)				0.00
Date Sampled				01/10/2025
Time Taken				0900
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	39
Lead (aqua regia extractable)	mg/kg	1	MCERTS	84
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-053998

Project / Site name: Blakers Works

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Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
706586	PLOT2	ES	0	Brown loam and sand with gravel and vegetation

Analytical Report Number : 25-053998

Project / Site name: Blakers Works

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS
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Southern Testing Laboratories Ltd
Keeble House
Stuart Way
East Grinstead
West Sussex
RH19 4QA

t: 01342 333100

e: contamresults@southerntesting.co.uk
stoms@southerntesting.co.uk;

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

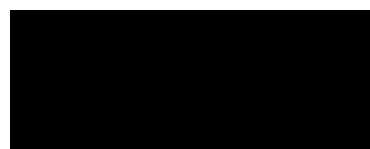
f: 01923 237404

e: info-i2analytical@normecgroup.com

Analytical Report Number : 25-053998

Replaces Analytical Report Number: 25-053998, issue no. 2
Report format change.
Report split as per client request

Project / Site name:	Blakers Works	Samples received on:	03/10/2025
Your job number:	V0925	Samples instructed on/ Analysis started on:	03/10/2025
Your order number:	V0925 7A	Analysis completed by:	14/10/2025
Report Issue Number:	3B	Report issued on:	21/10/2025
Samples Analysed:	5 soil samples		



Signed:

Tuhina Mukerjee
Senior Customer Services Advisor
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

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Analytical Report Number: 25-053998
Project / Site name: Blakers Works
Your Order No: V0925 7A

Lab Sample Number	706585	706587	706588	706589	706590
Sample Reference	PLOT1	PLOT2	TS2A	TS2B	TS2C
Sample Number	ES	ES	ES	ES	ES
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.20	0.20	0.00	0.00	0.00
Date Sampled	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025
Time Taken	0900	0900	0930	0930	0930
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	9.1	14	4.9	5.5	8.1
Total mass of sample received	kg	0.1	NONE	1.7	1.7	1.8	1.5	1.6

Asbestos

Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	OGR	OGR	OGR	OGR
Analysis completed	N/A	N/A	N/A	13/10/2025	13/10/2025	13/10/2025	13/10/2025	13/10/2025

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	8.1	8.4	7.9	7.8	7.9
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	620	270	390	330	300
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.308	0.136	0.196	0.167	0.152
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	308	136	196	167	152
Sulphide	mg/kg	1	MCERTS	< 1.0	2.7	< 1.0	2.3	3.1
Organic Matter (automated)	%	0.1	MCERTS	3.3	2.7	3.5	4.1	3.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.05	< 0.05	0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	0.05	0.06
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.47	0.37	0.82	0.29	0.37
Anthracene	mg/kg	0.05	MCERTS	0.13	0.12	0.25	0.08	0.09
Fluoranthene	mg/kg	0.05	MCERTS	1.2	0.92	2.2	0.76	0.95
Pyrene	mg/kg	0.05	MCERTS	1.1	0.86	2	0.67	0.89
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.68	0.47	1.1	0.38	0.51
Chrysene	mg/kg	0.05	MCERTS	0.65	0.53	1.2	0.45	0.58
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	1	0.6	1.3	0.56	0.74
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.38	0.33	0.54	0.25	0.34
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.79	0.55	1.1	0.46	0.62
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.44	0.34	0.63	0.29	0.38
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.09	0.07	0.14	0.07	0.1
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.48	0.41	0.72	0.36	0.47

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	7.42	5.57	12.2	4.67	6.15
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Analytical Report Number: 25-053998
 Project / Site name: Blakers Works
 Your Order No: V0925 7A

Lab Sample Number	706585	706587	706588	706589	706590
Sample Reference	PLOT1	PLOT2	TS2A	TS2B	TS2C
Sample Number	ES	ES	ES	ES	ES
Water Matrix	N/A	N/A	N/A	N/A	N/A
Depth (m)	0.20	0.20	0.00	0.00	0.00
Date Sampled	01/10/2025	01/10/2025	01/10/2025	01/10/2025	01/10/2025
Time Taken	0900	0900	0930	0930	0930
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	16	15	15	13
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.3	0.4	0.4	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	34	26	26	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	62	61	50	48	50
Lead (aqua regia extractable)	mg/kg	1	MCERTS	92	98	130	140	120
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	18	22	17	17	15
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	1.2	1.1	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	150	190	210	190

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 25-053998

Project / Site name: Blakers Works

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
706585	PLOT1	ES	0.2	Brown loam and clay with gravel and vegetation
706587	PLOT2	ES	0.2	Brown loam and clay with gravel
706588	TS2A	ES	0	Brown loam and clay with gravel
706589	TS2B	ES	0	Brown loam and clay
706590	TS2C	ES	0	Brown loam and clay

Analytical Report Number : 25-053998

Project / Site name: Blakers Works

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode	In-house method	L010-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

Analytical Report Number : 25-053998

Project / Site name: Blakers Works

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)

Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Soil Descriptions	Textural classification	In-house method	L019B	W	NONE

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution