

Trial Pit

TP05
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009		Start Date 2025-10-22	End Date

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.30m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP06
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.25-0.75	ES	24 (kPa)		(0.07)		Tarmacadam surfacing [MADE GROUND]	
						0.07		Reddish-brown sandy gravel sub-base [MADE GROUND]	
						(0.18)			
						0.25		Black very gravelly sand, with oily odour ** [MADE GROUND]	
		1.60	HV			(0.50)			
						0.75		Soft orange-brown sandy CLAY [ALLUVIUM]	
						(0.65)			
						1.40		Soft (low strength) light grey, occasionally black, sandy CLAY [ALLUVIUM]	
						(0.50)			
						1.90			
								End of Trial Pit at 1.90m	

Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.90m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP06

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
1.80				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
1.80			Seepage noted at base of excavation

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		

Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.90m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	
Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		



Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.90m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP07

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
2.05				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
2.05			Very slight seepage / ingress at base of excavation

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	B		

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.05m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

TP07
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-22	End Date
Consultant Richard Stripp		Contractor Geo Environmental Engineering Ltd		



Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.05m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

TP07
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.05m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP08

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	ES		

Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.10m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

TP08
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.10m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP09
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata	
		Depth (m)	Type/ Ref	Results			Legend	Description
		0.10-0.70	ES	40 (kPa)		(0.10) 0.10		Concrete - reinforced [MADE GROUND]
								Black very sandy gravel of ash and cinder, with brick rubble and sandy clay [MADE GROUND]
						(0.60)		Large fragment of Asbestos sheet noted (0.50m)
		0.70	ACM			0.70		Firm (medium strength) orange-brown, medium brown and greyish-brown slightly sandy CLAY [ALLUVIUM]
		0.80	HV	36 (kPa)		(0.25) 0.95		Soft and firm (low strength) greyish-brown and light brown sandy CLAY [ALLUVIUM]
		1.30 1.30	HV B			(0.95)		
						1.90		Greyish-brown slightly silty fine to medium SAND [ALLUVIUM]
		1.90 1.90	HV B			(0.40) 2.30		
		2.30	B					End of Trial Pit at 2.30m

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.30m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP09

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	ACM		
	B		
	B		
	B		

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.30m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

TP09
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.30m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

TP09
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.30m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP10
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.00-0.50	ES					Black tarmacadam gravels and black very sandy gravel of ash overlying sandstone, concrete and occasional brick rubble [MADE GROUND]	
						(0.30)			
						0.30		Black very sandy gravel of ash, cinder, clinker and coal [MADE GROUND]	
						(0.20)			
						0.50		Light brown sand [MADE GROUND]	0.5
						(0.20)			
						0.70		Dark brown and medium brown gravelly sand [MADE GROUND]	
						(0.30)			
						1.00		Dark grey very sandy CLAY [RELIC TOPSOIL]	1.0
						(0.35)			
		1.35-1.95	B			1.35		Very soft (very low / low strength) greyish-brown sandy organic CLAY with vegetation and plant remains [ALLUVIUM]	
		1.50	HV	20 (kPa)		(0.60)			1.5
						1.95		Soft (low strength) greyish-brown very sandy CLAY [ALLUVIUM]	2.0
						(0.50)			
		2.30	HV	22 (kPa)		2.45			
								End of Trial Pit at 2.45m	2.5
									3.0

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP10

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
2.45				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
2.45			Seepage noted at base of excavation

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	B		

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

TP10
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m Stable	TP JCB 3CX	Logger R Stripp
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Checked By: Richard Stripp	Approved By: Curtis Evans	Status: FINAL
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Trial Pit

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP11
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (thickness) (m)	Strata					
		Depth (m)	Type/ Ref	Results			Legend	Description				
		0.17-0.60	ES			(0.08)		Tarmacadam surfacing				
						0.08		[MADE GROUND]				
		0.60-0.95	ES			(0.09)		Reddish-brown sandy gravel sub-base				
						0.17		[MADE GROUND]				
								Initially black becoming light greyish-brown gravelly sand				
						(0.43)		[MADE GROUND]				
		1.40	HV			0.60		Black very sandy gravel of ash, cinder, clinker and coal				
						(0.35)		[MADE GROUND]				
						0.95		Soft to firm (low strength) dark greyish-brown silty clay with occasionally fragments of pottery and coal		1.0		
						(0.70)		[RELIC TOPSOIL]				
		1.65-1.95	B	28 (kPa)		1.65		Soft (low strength) light greyish-brown slightly sandy CLAY with organic plant remains				
						(0.30)		[ALLUVIUM]				
		1.80	HV			1.95		Light greyish-brown silty fine to medium SAND	2.0			
						(0.50)		[ALLUVIUM]				
						2.45	End of Trial Pit at 2.45m		2.5			
									3.0			

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP11

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
1.10				
2.25				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
1.10			Slight seepage noted
2.25			Slight seepage noted, along with 'running sand'

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	ES		
	B		

Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

TP11
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks No visible or olfactory evidence of hydrocarbon contamination noted.	Method, Plant, Stability, Dimensions 0.00 - 2.45m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

TP11
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009		Start Date 2025-10-22	End Date

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks
No visible or olfactory evidence of hydrocarbon contamination noted.

Method, Plant, Stability, Dimensions
0.00 - 2.45m TP JCB 3CX
Stable

Logger
R Stripp

Checked By: Richard Stripp **Approved By:** Curtis Evans **Status:** FINAL



Trial Pit

TP12

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
1.00				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
1.00			Seepage from base of made ground

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	ES		
	B		

Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.85m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

TP12
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.85m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		

Trial Pit

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks	Method, Plant, Stability, Dimensions 0.00 - 1.85m TP JCB 3CX Stable	Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL		



Trial Pit

TP13

SUPPLEMENTARY INFO

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Water Strike - General

Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks
0.45				

Water Strike - Details

Struck (m)	Rose To (m)	Time (mins)	Remarks
0.45			Slight seepage from base of made ground

Sample Details

Sample ID	Type	Water Level (m)	Remarks
	ES		
	ES		

Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.25m TP JCB 3CX Stable	Logger R Stripp
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Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL

Trial Pit

TP13
PHOTO PAGE

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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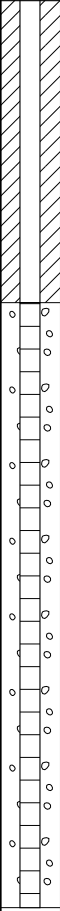
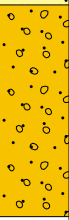
Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.25m TP JCB 3CX Stable	Logger R Stripp
	Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL	

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:15
Project Name Coach Road, Whitehaven, Cumbria	Project No. GEO2025-7009	Start Date 2025-10-22	End Date	

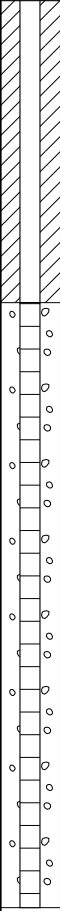
Client PCM Commercial Ltd	Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd
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Remarks	Method, Plant, Stability, Dimensions 0.00 - 2.25m TP JCB 3CX Stable	Logger R Stripp
	Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL	

				Borehole Log				BH01 Sheet 1 of 1	
Hole Type BH		Easting		Northing		Ground Level (m)		Scale 1:25	
Project Name Coach Road, Whitehaven, Cumbria				Project No. GEO2025-7009		Start Date 2025-10-29		End Date	
Client PCM Commercial Ltd				Consultant Richard Stripp				Contractor Geo Environmental Engineering Ltd	
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(1.30)		Black and dark brown very sandy gravel of ash, cinder, clinker and coal and occasional pieces of ceramic [MADE GROUND]	0.5
						1.30		Soft dark grey sandy CLAY with organic plant remains [ALLUVIUM]	1.0
						(0.30)			1.5
						1.60		Grey silty fine to medium SAND [ALLUVIUM]	2.0
						(0.70)			2.5
						2.30		Greyish-brown and brown very sandy GRAVEL [RIVER TERRACE DEPOSITS]	3.0
						(0.70)			3.5
						3.00	End of Borehole at 3.00m		4.0
									4.5
									5.0
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.							Method, Plant, Stability, Dimensions 0.00 - 3.00m BH Competitor Dart Rig Stable		Logger R Stripp
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL									

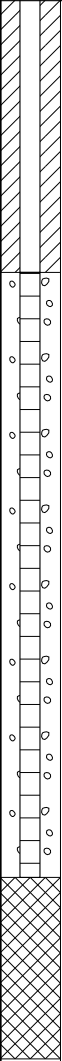
	Borehole Log				BH01
					SUPPLEMENTARY INFO
	Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-29	End Date	
Client PCM Commercial Ltd		Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		
Water Strike - General					
Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks	
1.33					
Water Strike - Details					
Struck (m)	Rose To (m)	Time (mins)	Remarks		
1.33					
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.			Method, Plant, Stability, Dimensions 0.00 - 3.00m BH Competitor Dart Rig Stable		
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL			Logger R Stripp		

		Borehole Log				BH02			
				Sheet 1 of 1					
		Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25			
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009		Start Date 2025-10-29		End Date			
Client PCM Commercial Ltd		Consultant Richard Stripp		Contractor Geo Environmental Engineering Ltd					
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
						(0.80)		Black and dark brown very sandy gravel of ash, cinder, clinker and coal [MADE GROUND]	0.5
						0.80		Soft greyish-brown slightly sandy CLAY with organic plant remains and occasional pieces of wood [ALLUVIUM]	1.0
						(1.80)			1.5
						2.60		Grey silty fine to medium SAND [ALLUVIUM]	2.5
						(0.40)			3.0
					3.00	End of Borehole at 3.00m			3.0
									3.5
									4.0
									4.5
									5.0
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.						Method, Plant, Stability, Dimensions 0.00 - 3.00m BH Competitor Dart Rig Stable		Logger R Stripp	
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL									

	Borehole Log				BH02
					SUPPLEMENTARY INFO
	Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-29	End Date	
Client PCM Commercial Ltd		Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		
Water Strike - General					
Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks	
1.90					
Water Strike - Details					
Struck (m)	Rose To (m)	Time (mins)	Remarks		
1.90	1.00				
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.			Method, Plant, Stability, Dimensions 0.00 - 3.00m BH Competitor Dart Rig Stable		
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL			Logger R Stripp		



	Borehole Log				BH03
					SUPPLEMENTARY INFO
	Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-29	End Date	
Client PCM Commercial Ltd		Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		
Water Strike - General					
Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks	
1.60					
Water Strike - Details					
Struck (m)	Rose To (m)	Time (mins)	Remarks		
1.60					
Remarks			Method, Plant, Stability, Dimensions 0.00 - 4.00m BH Competitor Dart Rig Stable		
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL			Logger R Stripp		

		Borehole Log				BH04 Sheet 1 of 1				
		Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25				
		Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009		Start Date 2025-10-29 End Date				
Client PCM Commercial Ltd		Consultant Richard Stripp			Contractor Geo Environmental Engineering Ltd					
Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata			
		Depth (m)	Type/ Ref	Results			Legend	Description		
						(0.13)		Tarmacadam surfacing [MADE GROUND]		
						0.13		Reddish-brown sandy gravel sub-base [MADE GROUND]		
						(0.14)		Black very sandy gravel of ash, cinder, clinker and coal [MADE GROUND]		
						0.27		Soft greyish-brown slightly sandy CLAY [ALLUVIUM]	0.5	
						(0.23)				
						0.50				
										1.0
						(1.60)				1.5
										2.0
						2.10		Light greyish-brown silty fine to medium SAND [ALLUVIUM]		
								2.5		
				(1.10)				3.0		
				3.20		Greyish-brown SAND & GRAVEL [RIVER TERRACE DEPOSITS]				
				(0.30)				3.5		
				3.50	End of Borehole at 3.50m					
								4.0		
								4.5		
								5.0		
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.							Method, Plant, Stability, Dimensions 0.00 - 3.50m BH Competitor Dart Rig Stable		Logger R Stripp	
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL										

	Borehole Log				BH04
					SUPPLEMENTARY INFO
	Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-29	End Date	
Client PCM Commercial Ltd		Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		
Water Strike - General					
Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks	
1.67					
Water Strike - Details					
Struck (m)	Rose To (m)	Time (mins)	Remarks		
1.67					
Remarks No visible or olfactory evidence of hydrocarbon contamination noted.			Method, Plant, Stability, Dimensions 0.00 - 3.50m BH Competitor Dart Rig Stable		
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL			Logger R Stripp		

	Borehole Log				BH05
					SUPPLEMENTARY INFO
	Hole Type BH	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Coach Road, Whitehaven, Cumbria		Project No. GEO2025-7009	Start Date 2025-10-29	End Date	
Client PCM Commercial Ltd		Consultant Richard Stripp	Contractor Geo Environmental Engineering Ltd		
Water Strike - General					
Struck (m)	Seal Depth (m)	Casing Depth (m)	Date and Time	Remarks	
1.77					
Water Strike - Details					
Struck (m)	Rose To (m)	Time (mins)	Remarks		
1.77					
Remarks			Method, Plant, Stability, Dimensions 0.00 - 4.00m BH Competitor Dart Rig Stable		
Checked By: Richard Stripp Approved By: Curtis Evans Status: FINAL			Logger R Stripp		

Ground Gas & Groundwater Monitoring Record Sheet 01

Site: Coach Road, Whitehaven, Cumbria

Project No: 2025-7009

Date: 31/10/2025

Borehole	Pressure (mb)	Flow Rate (l/h)	Methane Initial (% v/v)	Methane Steady (% v/v)	Carbon Dioxide Initial (% v/v)	Carbon Dioxide Steady (% v/v)	Oxygen Initial (% v/v)	Oxygen Steady (% v/v)	HEX (%)	HS (ppm)	CO (ppm)	Water Level (m)
BH01	986 (F)	(-0.7) <0.1	-	0.0	-	0.7	-	20.1	0.000%	0	0	1.25
BH02	986 (F)	<0.1	-	0.0	-	2.0	-	18.7	0.000%	0	0	1.22
BH03	986 (F)	<0.1	13.4	7.4	3.8	2.2	13.7	16.5	0.379%	0	10	1.50
BH04	986 (F)	(26.9) <0.1	-	0.5	-	5.7	-	16.0	0.056%	0	10	1.46
BH05	985 (F)	<0.1	-	0.0	-	0.2	-	20.3	0.001%	0	0	1.62

Notes:

Initial Value = Peak / Maximum value recorded; Steady Value = Constant or "steady" reading following peak.

Monitoring undertaken for a minimum of three minutes. Where high concentrations are initially noted then the monitoring should be increased to five minutes.

F = Falling Atmospheric Pressure, R = Rising Atmospheric Pressure, S = Steady Atmospheric Pressure

Monitoring Completed By: RS

Equipment Used: GFM436 Gas Analyser with Flow Pod, and Geotechnical Instruments Dipmeter.

Weather Conditions: Drizzle, strong breeze

Temperature: 10°C

Notes: Flow rates in brackets refer to maximum flow rate when gas valve is opened

Hydrocarbon odour noted in BH03

Ground Gas & Groundwater Monitoring Record Sheet 02

Site: Coach Road, Whitehaven, Cumbria

Project No: 2025-7009

Date: 11/11/2025

Borehole	Pressure (mb)	Flow Rate (l/h)	Methane Initial (% v/v)	Methane Steady (% v/v)	Carbon Dioxide Initial (% v/v)	Carbon Dioxide Steady (% v/v)	Oxygen Initial (% v/v)	Oxygen Steady (% v/v)	HEX (%)	HS (ppm)	CO (ppm)	Water Level (m)
BH01	989 (F)	(35.6) <0.1	-	0.0	-	3.9	-	18.4	0.000%	0	0	0.81
BH02	988 (F)	<0.1	-	0.0	1.9	0.7	19.6	20.4	0.000%	0	0	0.80
BH03	988 (F)	<0.1	23.0	13.4	3.3	2.0	9.3	13.8	0.513%	0	0	1.40
BH04	988 (F)	<0.1	-	0.5	-	8.9	-	6.1	0.004%	0	0	1.00
BH05	988 (F)	(39.4) 3.4	-	0.0	-	4.3	-	6.4	0.000%	0	0	1.43

Notes:

Initial Value = Peak / Maximum value recorded; Steady Value = Constant or "steady" reading following peak.

Monitoring undertaken for a minimum of three minutes. Where high concentrations are initially noted then the monitoring should be increased to five minutes.

F = Falling Atmospheric Pressure, R = Rising Atmospheric Pressure, S = Steady Atmospheric Pressure

Monitoring Completed By: RS

Equipment Used: GFM436 Gas Analyser with Flow Pod, and Geotechnical Instruments Dipmeter.

Weather Conditions: Cloudy, raining, windy

Temperature: 14°C

Notes: Flow rates in brackets refer to maximum flow rate when gas valve is opened

High positive flow rates felt to be attributable to rising groundwater levels

Hydrocarbon odour noted in BH03

Ground Gas & Groundwater Monitoring Record Sheet 03

Site: Coach Road, Whitehaven, Cumbria

Project No: 2025-7009

Date: 21/11/2025

Borehole	Pressure (mb)	Flow Rate (l/h)	Methane Initial (% v/v)	Methane Steady (% v/v)	Carbon Dioxide Initial (% v/v)	Carbon Dioxide Steady (% v/v)	Oxygen Initial (% v/v)	Oxygen Steady (% v/v)	HEX (%)	HS (ppm)	CO (ppm)	Water Level (m)
BH01	1019 (F)	<0.1	-	0.0	-	3.0	-	18.5	0.000%	0	0	1.10
BH02	1019 (F)	<0.1	-	0.0	4.4	3.3	19.0	19.4	0.000%	0	0	1.09
BH03	1019 (F)	<0.1	6.5	4.7	3.5	2.4	16.4	17.6	0.250%	0	0	1.17
BH04	1019 (F)	1.0	-	0.0	-	7.1	-	5.8	0.000%	0	0	1.33
BH05	1019 (F)	<0.1	-	0.0	4.5	4.3	10.2	10.7	0.000%	0	0	1.47

Notes:

Initial Value = Peak / Maximum value recorded; Steady Value = Constant or "steady" reading following peak.

Monitoring undertaken for a minimum of three minutes. Where high concentrations are initially noted then the monitoring should be increased to five minutes.

F = Falling Atmospheric Pressure, R = Rising Atmospheric Pressure, S = Steady Atmospheric Pressure

Monitoring Completed By: AH

Equipment Used: GFM436 Gas Analyser with Flow Pod, and Geotechnical Instruments Dipmeter.

Weather Conditions: Cloudy, occasional showers, slight breeze

Temperature: 5.5°C

Notes: Flow rates in brackets refer to maximum flow rate when gas valve is opened

High positive flow rates felt to be attributable to rising groundwater levels

Hydrocarbon odour noted in BH03

Appendix III

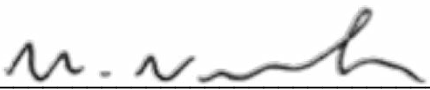
■ Laboratory Test Results



Highways Laboratory
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Tel (01670) 737575 • Email highwayslaboratory@northumberland.gov.uk

TEST REPORT

Client: **GEO Environmental Engineering Ltd, 31 Casshow Way, Cockermouth, CA13 9**
Engineer: **Richard Stripp**
Project: **GEO2025-7009 - Coach Road, Whitehaven, Cumbria**
Supplier/Source: **Site**
Date Sampled: **24/10/2025**
Date Received: **27/10/2025**
Sampled By: **Clients Staff**
SampleSpec: **Sampled by Site Staff/Client**
Remarks: **None**

Signed:  ☒ M. Newton, Laboratory Manager
[] P. Fletcher, Senior Technician

ADDITIONAL INFORMATION

Notes:

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

If Northumberland County Council carried out the sampling then all sampling was carried out at the named project above. All testing is carried out at Northumberland County Council Laboratory, testing is carried out to the specification stated in this report, except for subcontracted testing.

Uncertainty of measurement available on request..

Results reported herein relate only to the material supplied to the laboratory.

No decision rule will be given

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Samples will be disposed of 4 weeks from initial receipt unless otherwise instructed.



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Report/Sample ID No: **S2204/01**

Location: TP01 at 1.00m
Material Type: Brown, grey CLAY with very occasional gravel

Test Results

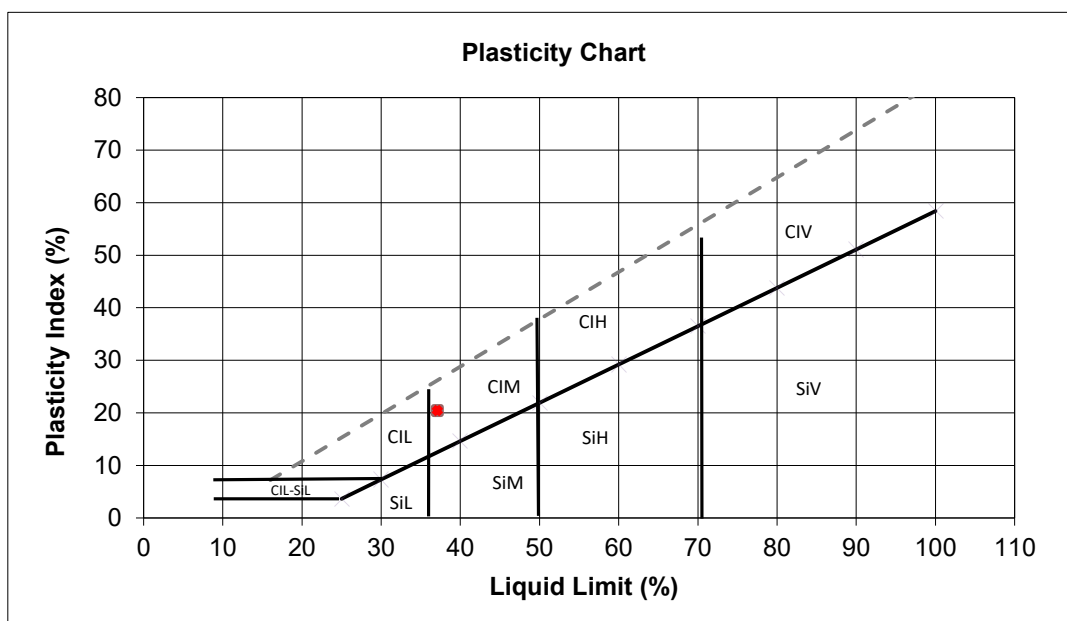
Determination of water content in accordance with BS EN ISO 17892-1:2014

Water Content (%) **37.9**

Determination of liquid and plastic limit (one point method) in accordance with BS1377-2:2022

Material greater than 20mm, removed prior to test (%): **0.0**

Liquid Limit (%) **37**
Plastic Limit (%) **17**
Plasticity Index (%) **20**
Passing 425mic (%) **97**
Soil Classification: **CIM**



Remarks: None

Start of test date: 29/10/2025 End of test date: 06/11/2025 Report Date: 06/11/2025



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Report/Sample ID No: **S2204/02**

Location: TP03 at 1.30m
Material Type: Grey CLAY

Test Results

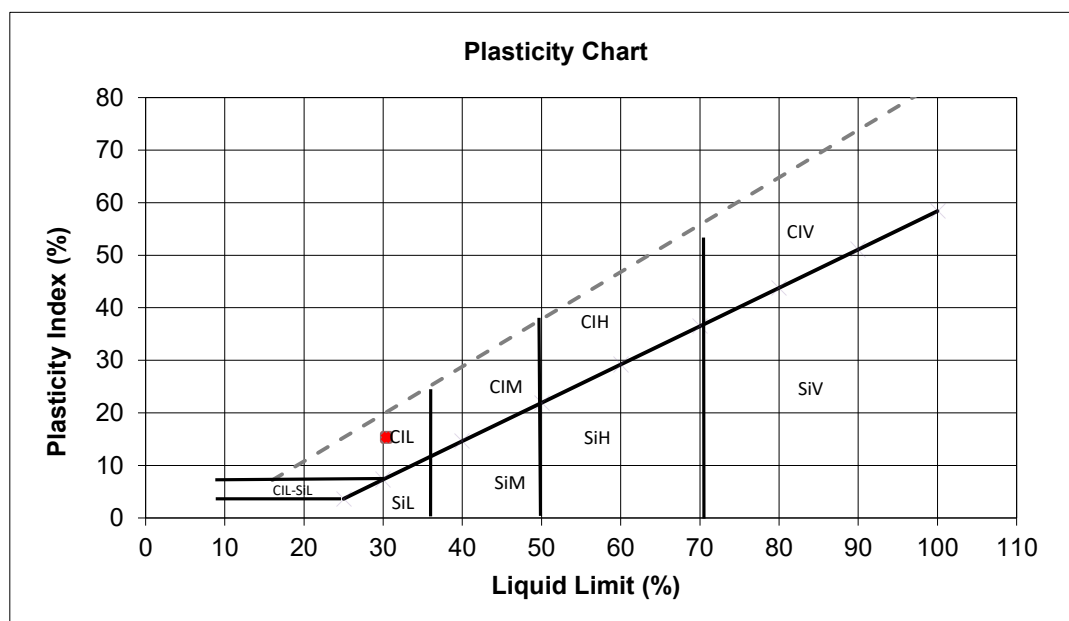
Determination of water content in accordance with BS EN ISO 17892-1:2014

Water Content (%) **30.9**

Determination of liquid and plastic limit (one point method) in accordance with BS1377-2:2022

Material greater than 20mm, removed prior to test (%): **0.0**

Liquid Limit (%) **30**
Plastic Limit (%) **15**
Plasticity Index (%) **15**
Passing 425mic (%) **100**
Soil Classification: **CIL**



Remarks: None

Start of test date: 29/10/2025 End of test date: 06/11/2025 Report Date: 06/11/2025



Northumberland County Council

Highways Laboratory

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Report/Sample ID No: S2204/03

Location: TP04 at 1.60 - 2.10m
Material Type: Grey SAND

Test Results

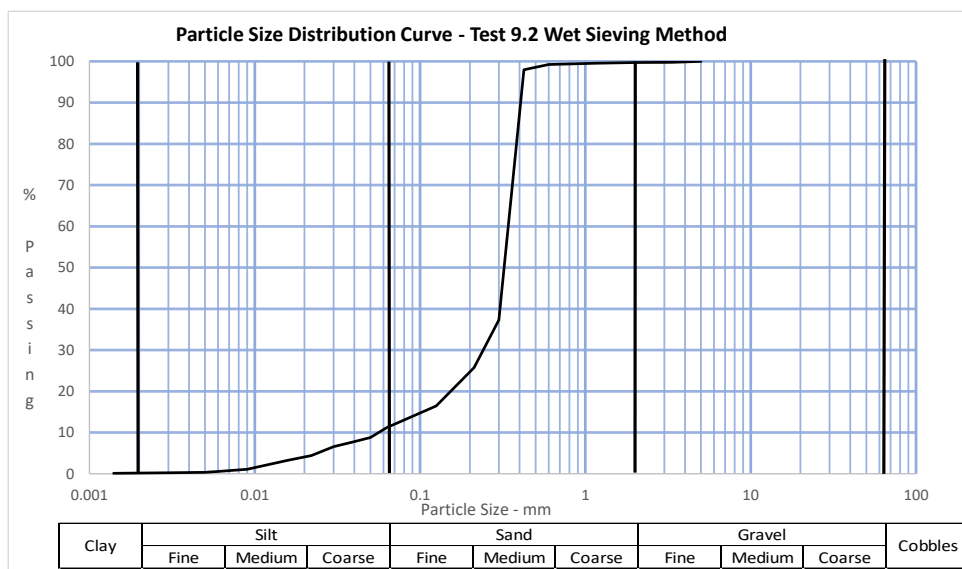
Determination of Water Content in accordance with BS EN ISO 17892-1:2014

Water Content (%) 22.2

Determination of Particle Size Distribution in accordance with BS1377-2:2022

PSD Sieving		PSD Sedimentation	
Size (mm)	% Passing	Size (mm)	% Passing
125	100	0.0500	9
90	100	0.0390	8
80	100	0.0300	7
75	100	0.0220	4
63	100	0.0160	3
50	100	0.0120	2
37.5	100	0.0090	1
28	100	0.0060	1
20	100	0.0050	0
14	100	0.0030	0
10	100	0.0014	0
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	99		
0.425	98		
0.300	37		
0.212	26		
0.150	16		
0.063	11		

Gravel %	0
Sand %	88
Silt %	11
Clay %	0



Remarks: None

Start of test date: 29/10/2025

End of test date: 06/11/2025

Report Date: 06/11/2025



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Report/Sample ID No: **S2204/04**

Location: TP07 at 1.00m
Material Type: Brown sandy CLAY with very occasional gravel

Test Results

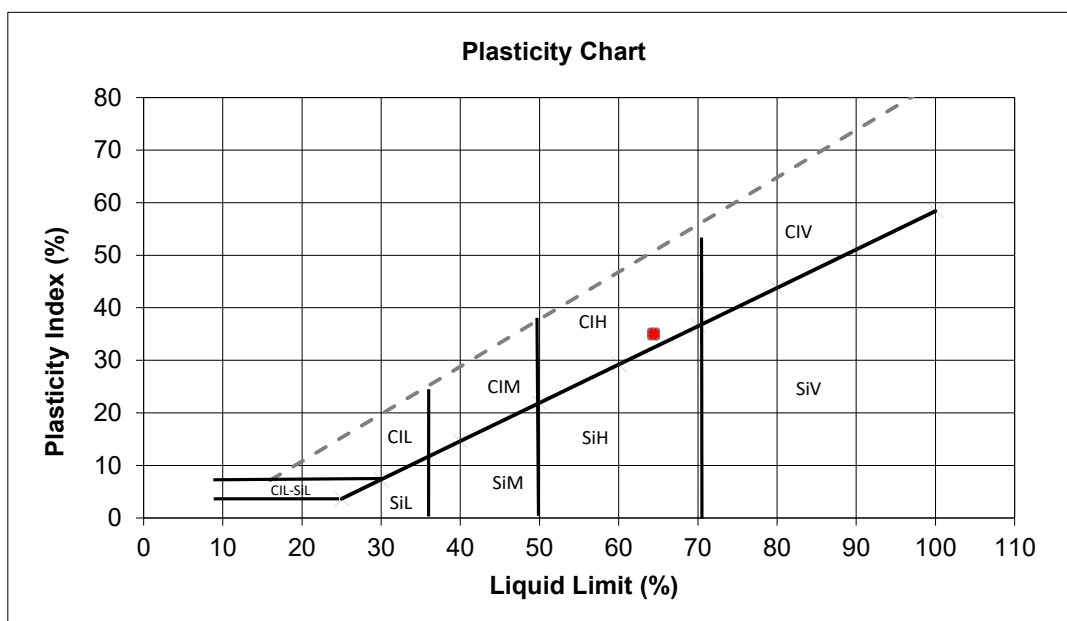
Determination of water content in accordance with BS EN ISO 17892-1:2014

Water Content (%) **62.3**

Determination of liquid and plastic limit (one point method) in accordance with BS1377-2:2022

Material greater than 20mm, removed prior to test (%): **0.0**

Liquid Limit (%) **64**
Plastic Limit (%) **29**
Plasticity Index (%) **35**
Passing 425mic (%) **100**
Soil Classification: **CIH**



Remarks: None

Start of test date: 29/10/2025 End of test date: 06/11/2025 Report Date: 06/11/2025



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Report/Sample ID No: **S2204/05**

Location: TP09 at 1.30m
Material Type: Brown, grey CLAY with sand inclusions

Test Results

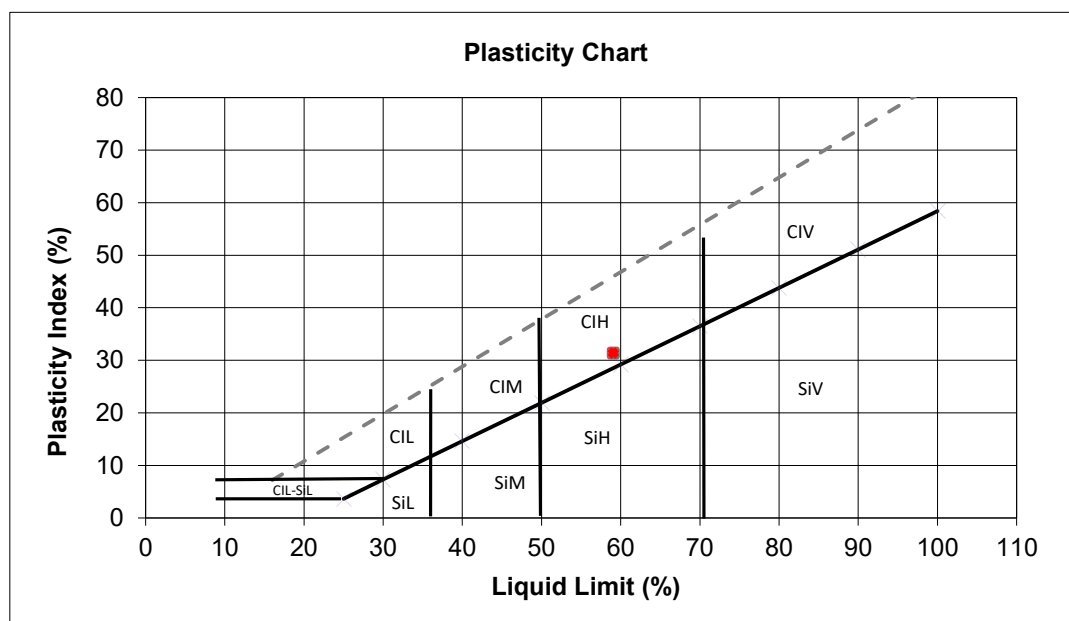
Determination of water content in accordance with BS EN ISO 17892-1:2014

Water Content (%) **57.1**

Determination of liquid and plastic limit (one point method) in accordance with BS1377-2:2022

Material greater than 20mm, removed prior to test (%): **0.0**

Liquid Limit (%) **59**
Plastic Limit (%) **28**
Plasticity Index (%) **31**
Passing 425mic (%) **99**
Soil Classification: **CIH**



Remarks: None

Start of test date: 29/10/2025 End of test date: 06/11/2025 Report Date: 06/11/2025



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Report/Sample ID No: S2204/06

Location: TP09 at 2.30m
Material Type: Reddey, Brown slightly clayey SAND

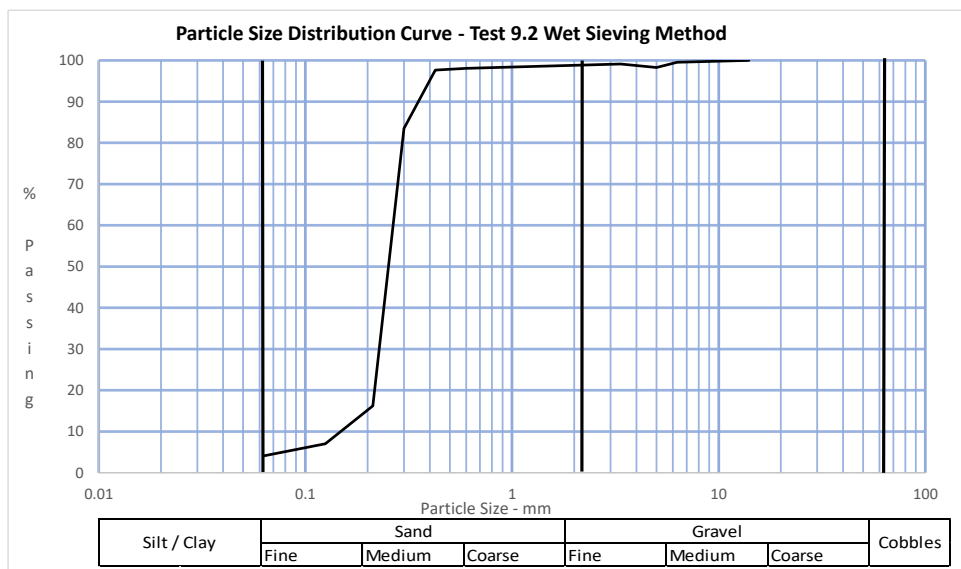
Test Results

Determination of Water Content in accordance with BS EN ISO 17892-1:2014

Water Content (%) 33.9

Determination of Particle Size Distribution in accordance with BS1377-2:2022

PSD Sieving		PSD Sedimentation							
Size (mm)	% Passing	Size (mm)	% Passing						
125	100	No sedimentation test							
90	100								
80	100								
75	100								
63	100								
50	100								
37.5	100								
28	100								
20	100								
14	100								
10	100								
6.3	100								
5	98								
3.35	99								
2	99								
1.18	98	<table><tr><td>Gravel %</td><td>1</td></tr><tr><td>Sand %</td><td>95</td></tr><tr><td>Silt/Clay %</td><td>4</td></tr></table>	Gravel %	1	Sand %	95	Silt/Clay %	4	
Gravel %	1								
Sand %	95								
Silt/Clay %	4								
0.6	98								
0.425	98								
0.300	83								
0.212	16								
0.150	7								
0.063	4								



Remarks: None

Start of test date: 29/10/2025

End of test date: 06/11/2025

Report Date: 06/11/2025



Northumberland

County Council

Highways Laboratory

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SUMMARY OF PLASTIC & LIQUID TESTS

Location	Sample Number	Depth (m)	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Passing 0.425 mm sieve (%)	Soil Classification
TP01	S2204/01	1.00	37.9	37	17	20	97	CIM
TP03	S2204/02	1.30	30.9	30	15	15	100	CIL
TP07	S2204/04	1.00	62.3	64	29	35	100	CIH
TP09	S2204/05	1.30	57.1	59	28	31	99	CIH



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DEVIATING SAMPLE INFORMATION

Comments:

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards. For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling. If Northumberland County Council Laboratory did not undertake the sampling. Such samples may be deviating.

Certificate of Analysis

Certificate Number 25-24673

Issued: 04-Nov-25

Client GEO Environmental Engineering
NW Office
31 Casshow Way
Cockermouth
Cumbria
CA13 9FY

Our Reference 25-24673

Client Reference ~ GEO2025-7009

Order No ~ (not supplied)

Contract Title ~ Coach Road, Whitehaven, Cumbria

Description 20 Soil samples, 1 Misc sample.

Date Received 24-Oct-25

Date Started 24-Oct-25

Date Completed 04-Nov-25

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Louise Cook
Contracts Manager



Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588592	2588593	2588594	2588595	2588596	2588597
Sample ID ~	TP01	TP02	TP04	TP04	TP05	TP05
Depth ~	0.00-0.40	0.00-0.37	0.00-0.20	0.35-0.95	0.45-0.70	1.50
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg	13	30	16	27	84	
Cadmium	DETSC 2301#	0.1	mg/kg	0.2	0.2	0.7	0.2	0.6	
Chromium III	DETSC 2301*	0.15	mg/kg	11	15	14	13	15	
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Copper	DETSC 2301#	0.2	mg/kg	98	550	82	1800	180	
Lead	DETSC 2301#	0.3	mg/kg	57	120	130	160	340	
Mercury	DETSC 2325#	0.05	mg/kg	0.10	0.13	0.13	0.11	0.36	
Nickel	DETSC 2301#	1	mg/kg	22	73	30	74	51	
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5	1.3	
Zinc	DETSC 2301#	1	mg/kg	68	150	140	180	170	
Inorganics									
pH	DETSC 2008#		pH	10.8	7.6	7.5	7.5	8.5	
Cyanide, Total	DETSC 2130#	0.1	mg/kg	< 0.1	0.1	0.4	0.6	0.2	
Total Organic Carbon	DETSC 2084#	0.5	%	5.9	24	23	27	22	
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	87	49	23	54	240	
Petroleum Hydrocarbons									
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg						< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg						20
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg						160
Aliphatic >EC10-EC12 Cleanup	DETSC 3521*	1.5	mg/kg						4.46
Aliphatic >EC12-EC16 Cleanup	DETSC 3521*	1.2	mg/kg						15.64
Aliphatic >EC16-EC21 Cleanup	DETSC 3521*	1.5	mg/kg						40.67
Aliphatic >EC21-EC24 Cleanup	DETSC 3521*	3.4	mg/kg						107.5
Aliphatic >EC21-EC35 Cleanup	DETSC 3521*	3.4	mg/kg						895.0
Aliphatic >EC24-EC35 Cleanup	DETSC 3521*	3.4	mg/kg						787.5
Aliphatic >EC35-EC40 Cleanup	DETSC 3521*	3.4	mg/kg						69.36
Aliphatic >EC40-EC44 Cleanup	DETSC 3521*	3.4	mg/kg						17.79
Aliphatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg						955.8
Aliphatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg						1025
Aliphatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg						1141
Aliphatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg						1210
Aliphatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg						1228
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg						< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg						0.09
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg						< 0.01
Aromatic >EC10-EC12 Cleanup	DETSC 3521*	0.9	mg/kg						1.93
Aromatic >EC12-EC16 Cleanup	DETSC 3521*	0.5	mg/kg						3.72
Aromatic >EC16-EC21 Cleanup	DETSC 3521*	0.6	mg/kg						4.74
Aromatic >EC21-EC24 Cleanup	DETSC 3521*	1.4	mg/kg						< 1.40
Aromatic >EC21-EC35 Cleanup	DETSC 3521*	1.4	mg/kg						23.57
Aromatic >EC24-EC35 Cleanup	DETSC 3521*	1.4	mg/kg						23.57

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588592	2588593	2588594	2588595	2588596	2588597
Sample ID ~	TP01	TP02	TP04	TP04	TP05	TP05
Depth ~	0.00-0.40	0.00-0.37	0.00-0.20	0.35-0.95	0.45-0.70	1.50
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Aromatic >EC35-EC40 Cleanup	DETSC 3521*	1.4	mg/kg						< 1.40
Aromatic >EC40-EC44 Cleanup	DETSC 3521*	1.4	mg/kg						< 1.40
Aromatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg						34.05
Aromatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg						33.96
Aromatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg						33.96
Aromatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg						34.05
Aromatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg						34.05
TPH Ali/Aro Total C5-C35 Cleanup	DETSC 3521*	10	mg/kg						1175
TPH Ali/Aro C5-C40 Cleanup	DETSC 3521*	10	mg/kg						1245
TPH Ali/Aro C5-C44 Cleanup	DETSC 3521*	10	mg/kg						1262
Benzene	DETSC 3321#	0.01	mg/kg						< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg						0.02
Toluene	DETSC 3321#	0.01	mg/kg						0.09
Xylene	DETSC 3321#	0.01	mg/kg						0.04
PAHs									
Naphthalene	DETSC 3301	0.1	mg/kg	0.31	0.16	2.7	8.8	0.24	< 0.10
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 1.00	30	0.14	< 0.10
Acenaphthene	DETSC 3301	0.1	mg/kg	0.11	< 0.10	3.7	3.9	0.19	1.1
Fluorene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	3.0	8.0	< 0.10	< 0.10
Phenanthrene	DETSC 3301	0.1	mg/kg	0.54	0.31	36	44	1.3	0.25
Anthracene	DETSC 3301	0.1	mg/kg	0.49	0.43	11	76	0.63	0.40
Fluoranthene	DETSC 3301	0.1	mg/kg	0.87	0.78	96	650	3.5	0.88
Pyrene	DETSC 3301	0.1	mg/kg	1.2	0.87	82	780	3.7	< 0.10
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	0.44	0.40	47	420	3.6	0.56
Chrysene	DETSC 3301	0.1	mg/kg	0.48	0.31	50	420	3.7	0.38
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	0.36	0.30	39	330	3.5	< 0.10
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	0.48	0.26	25	220	2.3	< 0.10
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	0.74	0.64	52	480	5.3	0.33
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	0.39	0.43	35	350	4.1	< 0.10
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	0.13	0.14	4.3	47	0.61	< 0.10
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	0.29	0.24	27	230	2.7	0.26
PAH 16 Total	DETSC 3301	1.6	mg/kg	6.8	5.3	510	4100	35	4.1

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588598	2588599	2588600	2588601	2588602	2588603
Sample ID ~	TP05	TP06	TP07	TP08	TP08	TP09
Depth ~	2.10	0.25-0.75	0.15-0.50	0.25-0.75	1.60-2.10	0.10-0.70
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg			22	41		30
Cadmium	DETSC 2301#	0.1	mg/kg			0.6	0.4		0.4
Chromium III	DETSC 2301*	0.15	mg/kg			18	14		15
Chromium, Hexavalent	DETSC 2204*	1	mg/kg			< 1.0	< 1.0		< 1.0
Copper	DETSC 2301#	0.2	mg/kg			150	590		550
Lead	DETSC 2301#	0.3	mg/kg			380	680		340
Mercury	DETSC 2325#	0.05	mg/kg			0.10	0.44		0.14
Nickel	DETSC 2301#	1	mg/kg			45	62		62
Selenium	DETSC 2301#	0.5	mg/kg			< 0.5	< 0.5		< 0.5
Zinc	DETSC 2301#	1	mg/kg			1200	130		440
Inorganics									
pH	DETSC 2008#		pH			11.2	7.3		10.2
Cyanide, Total	DETSC 2130#	0.1	mg/kg			0.4	< 0.1		4.3
Total Organic Carbon	DETSC 2084#	0.5	%			11	20		7.2
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l			110	37		100
Petroleum Hydrocarbons									
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01			< 0.01	
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	1100	4.0			< 0.01	
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	1500	40			< 0.01	
Aliphatic >EC10-EC12 Cleanup	DETSC 3521*	1.5	mg/kg	75.60	18.73			17.53	
Aliphatic >EC12-EC16 Cleanup	DETSC 3521*	1.2	mg/kg	280.7	67.62			57.92	
Aliphatic >EC16-EC21 Cleanup	DETSC 3521*	1.5	mg/kg	612.1	57.29			43.22	
Aliphatic >EC21-EC24 Cleanup	DETSC 3521*	3.4	mg/kg	1484	14.33			9.85	
Aliphatic >EC21-EC35 Cleanup	DETSC 3521*	3.4	mg/kg	12400	71.36			24.22	
Aliphatic >EC24-EC35 Cleanup	DETSC 3521*	3.4	mg/kg	10920	57.03			14.37	
Aliphatic >EC35-EC40 Cleanup	DETSC 3521*	3.4	mg/kg	839.9	< 3.40			< 3.40	
Aliphatic >EC40-EC44 Cleanup	DETSC 3521*	3.4	mg/kg	186.0	< 3.40			< 3.40	
Aliphatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg	13370	215.0			142.9	
Aliphatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg	14210	215.0			142.9	
Aliphatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg	15940	258.7			142.9	
Aliphatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg	16780	258.7			142.9	
Aliphatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg	16970	258.7			142.9	
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	0.06	< 0.01			< 0.01	
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	1.6	0.02			< 0.01	
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01			< 0.01	
Aromatic >EC10-EC12 Cleanup	DETSC 3521*	0.9	mg/kg	35.09	4.04			2.20	
Aromatic >EC12-EC16 Cleanup	DETSC 3521*	0.5	mg/kg	88.28	7.80			10.20	
Aromatic >EC16-EC21 Cleanup	DETSC 3521*	0.6	mg/kg	50.93	6.29			4.09	
Aromatic >EC21-EC24 Cleanup	DETSC 3521*	1.4	mg/kg	13.89	4.51			< 1.40	
Aromatic >EC21-EC35 Cleanup	DETSC 3521*	1.4	mg/kg	220.7	17.19			< 1.40	
Aromatic >EC24-EC35 Cleanup	DETSC 3521*	1.4	mg/kg	206.8	12.67			< 1.40	

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588598	2588599	2588600	2588601	2588602	2588603
Sample ID ~	TP05	TP06	TP07	TP08	TP08	TP09
Depth ~	2.10	0.25-0.75	0.15-0.50	0.25-0.75	1.60-2.10	0.10-0.70
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Aromatic >EC35-EC40 Cleanup	DETSC 3521*	1.4	mg/kg	< 1.40	< 1.40			< 1.40	
Aromatic >EC40-EC44 Cleanup	DETSC 3521*	1.4	mg/kg	< 1.40	< 1.40			< 1.40	
Aromatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg	396.7	35.33			16.49	
Aromatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg	395.0	35.32			16.49	
Aromatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg	395.0	35.32			16.49	
Aromatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg	396.7	35.33			16.49	
Aromatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg	396.7	35.33			16.49	
TPH Ali/Aro Total C5-C35 Cleanup	DETSC 3521*	10	mg/kg	16340	294.0			159.4	
TPH Ali/Aro C5-C40 Cleanup	DETSC 3521*	10	mg/kg	17180	294.0			159.4	
TPH Ali/Aro C5-C44 Cleanup	DETSC 3521*	10	mg/kg	17360	294.0			159.4	
Benzene	DETSC 3321#	0.01	mg/kg	0.06	< 0.01			< 0.01	
Ethylbenzene	DETSC 3321#	0.01	mg/kg	0.81	< 0.01			< 0.01	
Toluene	DETSC 3321#	0.01	mg/kg	1.6	0.02			< 0.01	
Xylene	DETSC 3321#	0.01	mg/kg	2.6	< 0.01			< 0.01	
PAHs									
Naphthalene	DETSC 3301	0.1	mg/kg	0.83	0.25	0.20		0.12	0.10
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10
Acenaphthene	DETSC 3301	0.1	mg/kg	10	1.5	0.78		0.75	0.11
Fluorene	DETSC 3301	0.1	mg/kg	1.1	0.14	0.86		< 0.10	< 0.10
Phenanthrene	DETSC 3301	0.1	mg/kg	0.40	0.90	9.7		< 0.10	0.95
Anthracene	DETSC 3301	0.1	mg/kg	0.38	0.53	2.7		0.34	0.23
Fluoranthene	DETSC 3301	0.1	mg/kg	14	2.2	18		< 0.10	2.1
Pyrene	DETSC 3301	0.1	mg/kg	0.18	2.2	15		0.41	2.3
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	0.29	1.4	7.5		< 0.10	1.2
Chrysene	DETSC 3301	0.1	mg/kg	0.15	1.5	7.6		< 0.10	1.1
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	1.0	4.9		< 0.10	0.90
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.10	0.76	3.3		< 0.10	0.57
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	1.8	7.3		< 0.10	1.5
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.10	1.1	5.0		< 0.10	0.92
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	0.14	0.60		< 0.10	0.19
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.10	0.88	3.4		< 0.10	0.63
PAH 16 Total	DETSC 3301	1.6	mg/kg	28	16	87		< 1.6	13

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588605	2588606	2588607	2588608	2588609	2588610
Sample ID ~	TP10	TP11	TP11	TP12	TP12	TP12
Depth ~	0.00-0.50	0.17-0.60	0.60-0.95	0.07-0.55	0.85-1.00	1.50
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg	21	14	33	24		
Cadmium	DETSC 2301#	0.1	mg/kg	0.5	0.2	0.8	0.2		
Chromium III	DETSC 2301*	0.15	mg/kg	16	9.7	12	13		
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0		
Copper	DETSC 2301#	0.2	mg/kg	97	40	210	160		
Lead	DETSC 2301#	0.3	mg/kg	66	240	88	110		
Mercury	DETSC 2325#	0.05	mg/kg	0.05	0.07	0.07	0.09		
Nickel	DETSC 2301#	1	mg/kg	42	19	92	61		
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5	< 0.5	< 0.5		
Zinc	DETSC 2301#	1	mg/kg	110	89	250	91		
Inorganics									
pH	DETSC 2008#		pH	10.7	9.4	8.0	8.4		
Cyanide, Total	DETSC 2130#	0.1	mg/kg	0.2	0.2	< 0.1	0.2		
Total Organic Carbon	DETSC 2084#	0.5	%	13	4.3	19	16		
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l	84	87	42	62		
Petroleum Hydrocarbons									
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg				< 0.01	< 0.01	
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg				1.8	32	
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg				59	450	
Aliphatic >EC10-EC12 Cleanup	DETSC 3521*	1.5	mg/kg				< 1.50	< 1.50	
Aliphatic >EC12-EC16 Cleanup	DETSC 3521*	1.2	mg/kg				2.39	6.08	
Aliphatic >EC16-EC21 Cleanup	DETSC 3521*	1.5	mg/kg				< 1.50	5.75	
Aliphatic >EC21-EC24 Cleanup	DETSC 3521*	3.4	mg/kg				< 3.40	< 3.40	
Aliphatic >EC21-EC35 Cleanup	DETSC 3521*	3.4	mg/kg				< 3.40	48.01	
Aliphatic >EC24-EC35 Cleanup	DETSC 3521*	3.4	mg/kg				< 3.40	48.01	
Aliphatic >EC35-EC40 Cleanup	DETSC 3521*	3.4	mg/kg				< 3.40	< 3.40	
Aliphatic >EC40-EC44 Cleanup	DETSC 3521*	3.4	mg/kg				< 3.40	< 3.40	
Aliphatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg				< 10.00	59.84	
Aliphatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg				< 10.00	59.84	
Aliphatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg				62.80	546.4	
Aliphatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg				62.80	546.4	
Aliphatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg				62.80	546.4	
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg				0.17	2.5	
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg				0.82	1.4	
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg				< 0.01	< 0.01	
Aromatic >EC10-EC12 Cleanup	DETSC 3521*	0.9	mg/kg				67.63	2244	
Aromatic >EC12-EC16 Cleanup	DETSC 3521*	0.5	mg/kg				194.6	733.3	
Aromatic >EC16-EC21 Cleanup	DETSC 3521*	0.6	mg/kg				229.3	299.7	
Aromatic >EC21-EC24 Cleanup	DETSC 3521*	1.4	mg/kg				72.71	47.51	
Aromatic >EC21-EC35 Cleanup	DETSC 3521*	1.4	mg/kg				158.5	98.74	
Aromatic >EC24-EC35 Cleanup	DETSC 3521*	1.4	mg/kg				85.81	51.23	

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588605	2588606	2588607	2588608	2588609	2588610
Sample ID ~	TP10	TP11	TP11	TP12	TP12	TP12
Depth ~	0.00-0.50	0.17-0.60	0.60-0.95	0.07-0.55	0.85-1.00	1.50
Other ID ~						
Sample Type ~	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Aromatic >EC35-EC40 Cleanup	DETSC 3521*	1.4	mg/kg					6.71	< 1.40
Aromatic >EC40-EC44 Cleanup	DETSC 3521*	1.4	mg/kg					< 1.40	< 1.40
Aromatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg					651.0	3379
Aromatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg					650.1	3376
Aromatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg					656.8	3376
Aromatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg					657.8	3379
Aromatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg					657.8	3379
TPH Ali/Aro Total C5-C35 Cleanup	DETSC 3521*	10	mg/kg					713.9	3926
TPH Ali/Aro C5-C40 Cleanup	DETSC 3521*	10	mg/kg					720.6	3926
TPH Ali/Aro C5-C44 Cleanup	DETSC 3521*	10	mg/kg					720.6	3926
Benzene	DETSC 3321#	0.01	mg/kg					0.17	2.5
Ethylbenzene	DETSC 3321#	0.01	mg/kg					0.46	4.8
Toluene	DETSC 3321#	0.01	mg/kg					0.82	1.4
Xylene	DETSC 3321#	0.01	mg/kg					2.1	15
PAHs									
Naphthalene	DETSC 3301	0.1	mg/kg	0.33				390	1400
Acenaphthylene	DETSC 3301	0.1	mg/kg	0.11				15	0.76
Acenaphthene	DETSC 3301	0.1	mg/kg	0.14				190	180
Fluorene	DETSC 3301	0.1	mg/kg	0.11				220	170
Phenanthrene	DETSC 3301	0.1	mg/kg	0.79				440	290
Anthracene	DETSC 3301	0.1	mg/kg	0.67				140	86
Fluoranthene	DETSC 3301	0.1	mg/kg	4.8				260	100
Pyrene	DETSC 3301	0.1	mg/kg	5.6				250	88
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	4.2				85	30
Chrysene	DETSC 3301	0.1	mg/kg	4.4				89	30
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	5.4				52	16
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	3.2				32	10
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	7.5				85	27
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	6.3				50	16
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	0.65				7.7	2.4
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	4.9				34	10
PAH 16 Total	DETSC 3301	1.6	mg/kg	49				2300	2500

Summary of Chemical Analysis

Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588611	2588612
Sample ID ~	TP13	TP13
Depth ~	0.45	2.25
Other ID ~		
Sample Type ~	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s

Test	Method	LOD	Units		
Metals					
Arsenic	DETSC 2301#	0.2	mg/kg		
Cadmium	DETSC 2301#	0.1	mg/kg		
Chromium III	DETSC 2301*	0.15	mg/kg		
Chromium, Hexavalent	DETSC 2204*	1	mg/kg		
Copper	DETSC 2301#	0.2	mg/kg		
Lead	DETSC 2301#	0.3	mg/kg		
Mercury	DETSC 2325#	0.05	mg/kg		
Nickel	DETSC 2301#	1	mg/kg		
Selenium	DETSC 2301#	0.5	mg/kg		
Zinc	DETSC 2301#	1	mg/kg		
Inorganics					
pH	DETSC 2008#		pH		
Cyanide, Total	DETSC 2130#	0.1	mg/kg		
Total Organic Carbon	DETSC 2084#	0.5	%		
Sulphate Aqueous Extract as SO4 (2:1)	DETSC 2076#	10	mg/l		
Petroleum Hydrocarbons					
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	32
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	3.1	520
Aliphatic >EC10-EC12 Cleanup	DETSC 3521*	1.5	mg/kg	< 1.50	3.51
Aliphatic >EC12-EC16 Cleanup	DETSC 3521*	1.2	mg/kg	6.70	5.80
Aliphatic >EC16-EC21 Cleanup	DETSC 3521*	1.5	mg/kg	3.93	3.24
Aliphatic >EC21-EC24 Cleanup	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40
Aliphatic >EC21-EC35 Cleanup	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40
Aliphatic >EC24-EC35 Cleanup	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40
Aliphatic >EC35-EC40 Cleanup	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40
Aliphatic >EC40-EC44 Cleanup	DETSC 3521*	3.4	mg/kg	< 3.40	< 3.40
Aliphatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg	10.63	12.56
Aliphatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg	10.63	12.56
Aliphatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg	13.75	562.6
Aliphatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg	13.75	562.6
Aliphatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg	13.75	562.6
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	< 0.01	0.02
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01
Aromatic >EC10-EC12 Cleanup	DETSC 3521*	0.9	mg/kg	2.13	46.31
Aromatic >EC12-EC16 Cleanup	DETSC 3521*	0.5	mg/kg	17.35	263.0
Aromatic >EC16-EC21 Cleanup	DETSC 3521*	0.6	mg/kg	31.44	121.3
Aromatic >EC21-EC24 Cleanup	DETSC 3521*	1.4	mg/kg	15.90	8.33
Aromatic >EC21-EC35 Cleanup	DETSC 3521*	1.4	mg/kg	36.37	8.33
Aromatic >EC24-EC35 Cleanup	DETSC 3521*	1.4	mg/kg	20.47	< 1.40

Summary of Chemical Analysis Soil/Misc Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2588611	2588612
Sample ID ~	TP13	TP13
Depth ~	0.45	2.25
Other ID ~		
Sample Type ~	SOIL	SOIL
Sampling Date ~	22/10/2025	22/10/2025
Sampling Time ~	n/s	n/s

Test	Method	LOD	Units		
Aromatic >EC35-EC40 Cleanup	DETSC 3521*	1.4	mg/kg	< 1.40	< 1.40
Aromatic >EC40-EC44 Cleanup	DETSC 3521*	1.4	mg/kg	< 1.40	< 1.40
Aromatic C5-C35 Cleanup	DETSC 3521*	10	mg/kg	87.29	439.0
Aromatic >EC10-EC35 Cleanup	DETSC 3521*	10	mg/kg	87.29	439.0
Aromatic >EC10-EC40 Cleanup	DETSC 3521*	10	mg/kg	87.29	439.0
Aromatic C5-C40 Cleanup	DETSC 3521*	10	mg/kg	87.29	439.0
Aromatic C5-C44 Cleanup	DETSC 3521*	10	mg/kg	87.29	439.0
TPH Ali/Aro Total C5-C35 Cleanup	DETSC 3521*	10	mg/kg	101.0	1002
TPH Ali/Aro C5-C40 Cleanup	DETSC 3521*	10	mg/kg	101.0	1002
TPH Ali/Aro C5-C44 Cleanup	DETSC 3521*	10	mg/kg	101.0	1002
Benzene	DETSC 3321#	0.01	mg/kg	< 0.01	< 0.01
Ethylbenzene	DETSC 3321#	0.01	mg/kg	< 0.01	0.38
Toluene	DETSC 3321#	0.01	mg/kg	< 0.01	0.02
Xylene	DETSC 3321#	0.01	mg/kg	0.50	1.5
PAHs					
Naphthalene	DETSC 3301	0.1	mg/kg	0.44	6.3
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.10	1.1
Acenaphthene	DETSC 3301	0.1	mg/kg	0.26	7.0
Fluorene	DETSC 3301	0.1	mg/kg	< 0.10	8.8
Phenanthrene	DETSC 3301	0.1	mg/kg	0.28	11
Anthracene	DETSC 3301	0.1	mg/kg	0.46	3.0
Fluoranthene	DETSC 3301	0.1	mg/kg	0.54	2.3
Pyrene	DETSC 3301	0.1	mg/kg	0.81	1.9
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	0.29	0.33
Chrysene	DETSC 3301	0.1	mg/kg	0.21	0.17
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	0.15	0.18
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	0.13	0.11
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	0.54	0.33
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	0.25	< 0.10
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.10	< 0.10
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	0.17	< 0.10
PAH 16 Total	DETSC 3301	1.6	mg/kg	4.4	42

Summary of Asbestos Analysis Soil Samples

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	Sample ID	Sample Location	Material Type*	Result	Comment*	Analyst
2588592	TP01 0.00-0.40		SOIL	Amosite	Amosite present as fibre bundles	Josh Best
2588593	TP02 0.00-0.37		SOIL	NAD	none	Josh Best
2588594	TP04 0.00-0.20		SOIL	NAD	none	Josh Best
2588595	TP04 0.35-0.95		SOIL	NAD	none	Josh Best
2588596	TP05 0.45-0.70		SOIL	NAD	none	Josh Best
2588600	TP07 0.15-0.50		SOIL	Amosite Chrysotile	Chrysotile and Amosite present in microscopic insulation debris	Josh Best
2588604	TP09		Cement	Chrysotile	none	Josh Best
2588606	TP11 0.17-0.60		SOIL	NAD	none	Josh Best
2588608	TP12 0.07-0.55		SOIL	NAD	none	Josh Best

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 25-24673
 Client Ref ~ GEO2025-7009
 Contract ~ Coach Road, Whitehaven, Cumbria

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2588592	TP01 0.00-0.40 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588593	TP02 0.00-0.37 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588594	TP04 0.00-0.20 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588595	TP04 0.35-0.95 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588596	TP05 0.45-0.70 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588597	TP05 1.50 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588598	TP05 2.10 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588599	TP06 0.25-0.75 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588600	TP07 0.15-0.50 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588601	TP08 0.25-0.75 SOIL	22/10/25	PT 1L		
2588602	TP08 1.60-2.10 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588603	TP09 0.10-0.70 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588604	TP09 MISC	22/10/25	PG		
2588605	TP10 0.00-0.50 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588606	TP11 0.17-0.60 SOIL	22/10/25	PT 1L		
2588607	TP11 0.60-0.95 SOIL	22/10/25	PT 1L		
2588608	TP12 0.07-0.55 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2588609	TP12 0.85-1.00 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588610	TP12 1.50 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588611	TP13 0.45 SOIL	22/10/25	GJ 250ml, GJ 60ml		
2588612	TP13 2.25 SOIL	22/10/25	GJ 250ml, GJ 60ml		

Key: G-Glass P-Plastic J-Jar T-Tub G-Bag

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Information in Support of the Analytical Results

Our Ref 25-24673

Client Ref ~ GEO2025-7009

Contract ~ Coach Road, Whitehaven, Cumbria

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Key:

~ Sample details are provided by the client and can affect the validity of the results

* -not accredited.

-MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

End of Report Ver 25.10.02

Certificate of Analysis

Certificate Number 25-25424

Issued: 10-Nov-25

Client GEO Environmental Engineering
NW Office
31 Casshow Way
Cockermouth
Cumbria
CA13 9FY

Our Reference 25-25424

Client Reference ~ GEO2025-7009

Order No ~ (not supplied)

Contract Title ~ Coach Road, Whitehaven, Cumbria

Description 2 Soil samples.

Date Received 24-Oct-25

Date Started 04-Nov-25

Date Completed 10-Nov-25

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

A handwritten signature in black ink, appearing to read "Louise Cook".

Louise Cook
Contracts Manager



Summary of Asbestos Analysis Samples

Our Ref 25-25424

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	Sample ID	Sample Location	Material Type	Result	Comment*	Analyst
Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * -not included in laboratory scope of accreditation.						

Summary of Asbestos Quantification Analysis

Soil Samples

Our Ref 25-25424

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2593821	2593822
Sample ID ~	TP01	TP07
Depth ~	0.00-0.40	0.15-0.50
Other ID ~		
Sample Type ~		
Sampling Date ~	22/10/2025	22/10/2025
Sampling Time ~		

Test	Method	LOQ	Units		
Total Mass% Asbestos (a+b+c)	DETSC 1102	< 0.001	Mass %	< 0.001	< 0.001
Gravimetric Quantification (a)	DETSC 1102	< 0.001	Mass %	na	<0.001
Detailed Gravimetric Quantification (b)	DETSC 1102	< 0.001	Mass %	<0.001	na
Quantification by PCOM (c)	DETSC 1102	< 0.001	Mass %	na	na
Potentially Respirable Fibres (d)	DETSC 1102	< 0.001	Fibres/g	na	na
Breakdown of Gravimetric Analysis (a)					
Mass of Sample			g	1039.58	853.39
ACMs present*			type		Insulation
Mass of ACM in sample			g		0.0083
% ACM by mass			%		<0.001
% asbestos in ACM			%		85
% asbestos in sample			%		<0.001
Breakdown of Detailed Gravimetric Analysis (b)					
% Amphibole bundles in sample			Mass %	<0.001	na
% Chrysotile bundles in sample			Mass %	na	na
Breakdown of PCOM Analysis (c)					
% Amphibole fibres in sample			Mass %	na	na
% Chrysotile fibres in sample			Mass %	na	na
Breakdown of Potentially Respirable Fibre Analysis (d)					
Amphibole fibres			Fibres/g	na	na
Chrysotile fibres			Fibres/g	na	na

* Denotes test or material description outside of UKAS accreditation.
 % asbestos in Asbestos Containing Materials (ACMs) is determined by
 by reference to HSG 264.
 Recommended sample size for quantification is approximately 1kg
 # denotes deviating sample
 The results are based on dry weight.

Information in Support of the Analytical Results

Our Ref 25-25424
 Client Ref ~ GEO2025-7009
 Contract ~ Coach Road, Whitehaven, Cumbria

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2593821	TP01 0.00-0.40 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		
2593822	TP07 0.15-0.50 SOIL	22/10/25	GJ 250ml, GJ 60ml, PT 1L		

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Key:

- ~ Sample details are provided by the client and can affect the validity of the results
- * -not accredited.
- # -MCERTS (accreditation only applies if report carries the MCERTS logo).
- \$ -subcontracted.
- n/s -not supplied.
- I/S -insufficient sample.
- U/S -unsuitable sample.
- t/f -to follow.
- nd -not detected.

End of Report Ver 25.10.03

Certificate of Analysis

Certificate Number 25-26208

Issued: 27-Nov-25

Client GEO Environmental Engineering
NW Office
31 Casshow Way
Cockermouth
Cumbria
CA13 9FY

Our Reference 25-26208

Client Reference ~ GEO2025-7009

Order No ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Description 5 Water No Information Supplied samples.

Date Received 13-Nov-25

Date Started 13-Nov-25

Date Completed 27-Nov-25

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Reyhan Irfan
Operations Manager

Summary of Chemical Analysis

Water Samples

Our Ref 25-26208

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2598187	2598188	2598189	2598190	2598191
Sample ID ~	BH01	BH02	BH03	BH04	BH05
Depth ~	0.96	1.31	1.51	1.45	1.96
Other ID ~					
Sample Type ~	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN
Sampling Date ~	12/11/2025	12/11/2025	12/11/2025	12/11/2025	12/11/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
Metals								
Arsenic, Dissolved	DETSC 2306	0.16	ug/l	11	9.4	3.1	29	8.4
Boron, Dissolved	DETSC 2306*	12	ug/l	733.4	162.4	106.8	78.5	88.3
Cadmium, Dissolved	DETSC 2306	0.03	ug/l	0.05	< 0.03	< 0.03	< 0.03	< 0.03
Chromium, Dissolved	DETSC 2306	0.25	ug/l	1.9	2.2	< 0.25	0.26	< 0.25
Copper, Dissolved	DETSC 2306	0.4	ug/l	1.2	< 0.4	< 0.4	< 0.4	< 0.4
Lead, Dissolved	DETSC 2306	0.09	ug/l	0.73	0.32	< 0.09	< 0.09	< 0.09
Mercury, Dissolved	DETSC 2306	0.01	ug/l	0.03	< 0.01	< 0.01	< 0.01	< 0.01
Nickel, Dissolved	DETSC 2306	0.5	ug/l	6.5	6.7	4.2	5.2	4.3
Selenium, Dissolved	DETSC 2306	0.25	ug/l	1.7	0.91	1.4	0.73	0.65
Zinc, Dissolved	DETSC 2306	1.3	ug/l	440	260	170	110	180
Inorganics								
pH	DETSC 2008		pH	6.8	6.6	7.0	7.0	6.9
Cyanide, Total	DETSC 2130	40	ug/l	< 40	< 40	< 40	< 40	< 40
Total Hardness as CaCO3	DETSC 2303	0.1	mg/l	300	277	334	371	399
Sulphate as SO4	DETSC 2055	0.1	mg/l	110	61	20	19	23
Sulphide	DETSC 2208	10	ug/l	< 10	< 10	< 10	< 10	< 10
Petroleum Hydrocarbons								
Aliphatic C5-C6	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aliphatic C6-C8	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aliphatic C8-C10	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aliphatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	210	< 1.0	< 1.0
Aliphatic C10-C44	DETSC 3072*	1	ug/l	< 1.0	< 1.0	1700	< 1.0	< 1.0
Aliphatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	840	< 1.0	< 1.0
Aliphatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	540	< 1.0	< 1.0
Aliphatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	99	< 1.0	< 1.0
Aliphatic C35-C44	DETSC 3072*	1	ug/l	< 1.0	< 1.0	1.0	< 1.0	< 1.0
Aromatic C5-C7	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aromatic C7-C8	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aromatic C8-C10	DETSC 3322	0.1	ug/l	< 1.0	< 0.1	< 1.0	< 0.1	< 1.0
Aromatic C10-C12	DETSC 3072*	1	ug/l	< 1.0	< 1.0	8.6	< 1.0	< 1.0
Aromatic C12-C16	DETSC 3072*	1	ug/l	< 1.0	< 1.0	40	< 1.0	< 1.0
Aromatic C16-C21	DETSC 3072*	1	ug/l	< 1.0	< 1.0	35	< 1.0	< 1.0
Aromatic C21-C35	DETSC 3072*	1	ug/l	< 1.0	< 1.0	13	< 1.0	< 1.0
Aromatic C35-C44	DETSC 3072*	1	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic C10-C44	DETSC 3072*	1	ug/l	< 1.0	< 1.0	96	< 1.0	< 1.0
Ali/Aro C10-C44	DETSC 3072*	1	ug/l	< 1.0	< 1.0	1700	< 1.0	< 1.0
Benzene	DETSC 3322	1	ug/l	< 10.0	< 1.0	< 10.0	< 1.0	< 10.0
Toluene	DETSC 3322	1	ug/l	< 10.0	< 1.0	< 10.0	< 1.0	< 10.0
Ethylbenzene	DETSC 3322	1	ug/l	< 10.0	< 1.0	< 10.0	< 1.0	< 10.0
Xylene	DETSC 3322	1	ug/l	< 10.0	< 1.0	< 10.0	< 1.0	< 10.0

Summary of Chemical Analysis

Water Samples

Our Ref 25-26208

Client Ref ~ GEO2025-7009

Contract Title ~ Coach Road, Whitehaven, Cumbria

Lab No	2598187	2598188	2598189	2598190	2598191
Sample ID ~	BH01	BH02	BH03	BH04	BH05
Depth ~	0.96	1.31	1.51	1.45	1.96
Other ID ~					
Sample Type ~	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN	WATER UNKNOWN
Sampling Date ~	12/11/2025	12/11/2025	12/11/2025	12/11/2025	12/11/2025
Sampling Time ~	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units					
PAHs								
Naphthalene	DETSC 3304	0.05	ug/l	< 0.25	< 0.25	52	< 25.00	10000
Acenaphthylene	DETSC 3304	0.01	ug/l	< 0.05	< 0.05	30	29	250
Acenaphthene	DETSC 3304	0.01	ug/l	< 0.05	0.14	260	7.3	11000
Fluorene	DETSC 3304	0.01	ug/l	< 0.05	0.12	280	17	11000
Phenanthrene	DETSC 3304	0.01	ug/l	< 0.05	0.55	780	76	16000
Anthracene	DETSC 3304	0.01	ug/l	< 0.05	0.19	260	140	3200
Fluoranthene	DETSC 3304	0.01	ug/l	< 0.05	0.82	1900	1100	3500
Pyrene	DETSC 3304	0.01	ug/l	< 0.05	0.64	1100	1300	2600
Benzo(a)anthracene	DETSC 3304	0.01	ug/l	< 0.05	0.44	740	1200	330
Chrysene	DETSC 3304	0.01	ug/l	< 0.05	0.42	580	1100	230
Benzo(b)fluoranthene	DETSC 3304	0.01	ug/l	< 0.05	0.54	820	2200	100
Benzo(k)fluoranthene	DETSC 3304	0.01	ug/l	< 0.05	0.23	320	910	45
Benzo(a)pyrene	DETSC 3304	0.01	ug/l	< 0.05	0.43	710	1800	64
Indeno(1,2,3-c,d)pyrene	DETSC 3304	0.01	ug/l	< 0.05	0.28	440	1300	31
Dibenzo(a,h)anthracene	DETSC 3304	0.01	ug/l	< 0.05	0.06	22	200	< 10.00
Benzo(g,h,i)perylene	DETSC 3304	0.01	ug/l	< 0.05	0.25	340	1200	38
PAH Total	DETSC 3304	0.2	ug/l	< 1.00	5.1	8600	13000	57000

Information in Support of the Analytical Results

Our Ref 25-26208
 Client Ref ~ GEO2025-7009
 Contract ~ Coach Road, Whitehaven, Cumbria

Containers Received & Deviating Samples

Lab No	Sample ID ~	Date Sampled ~	Containers Received	Holding time exceeded for tests	Incorrect container for tests
2598187	BH01 0.96 WATER UNKNOWN	12/11/25	GB 1L, PB 1L		
2598188	BH02 1.31 WATER UNKNOWN	12/11/25	GB 1L, PB 1L		
2598189	BH03 1.51 WATER UNKNOWN	12/11/25	GB 1L, PB 1L		
2598190	BH04 1.45 WATER UNKNOWN	12/11/25	GB 1L, PB 1L		
2598191	BH05 1.96 WATER UNKNOWN	12/11/25	GB 1L, PB 1L		

Key: G-Glass P-Plastic B-Bottle

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
 Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Key:

~ Sample details are provided by the client and can affect the validity of the results

* -not accredited.

-MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

End of Report Ver 25.10.03



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