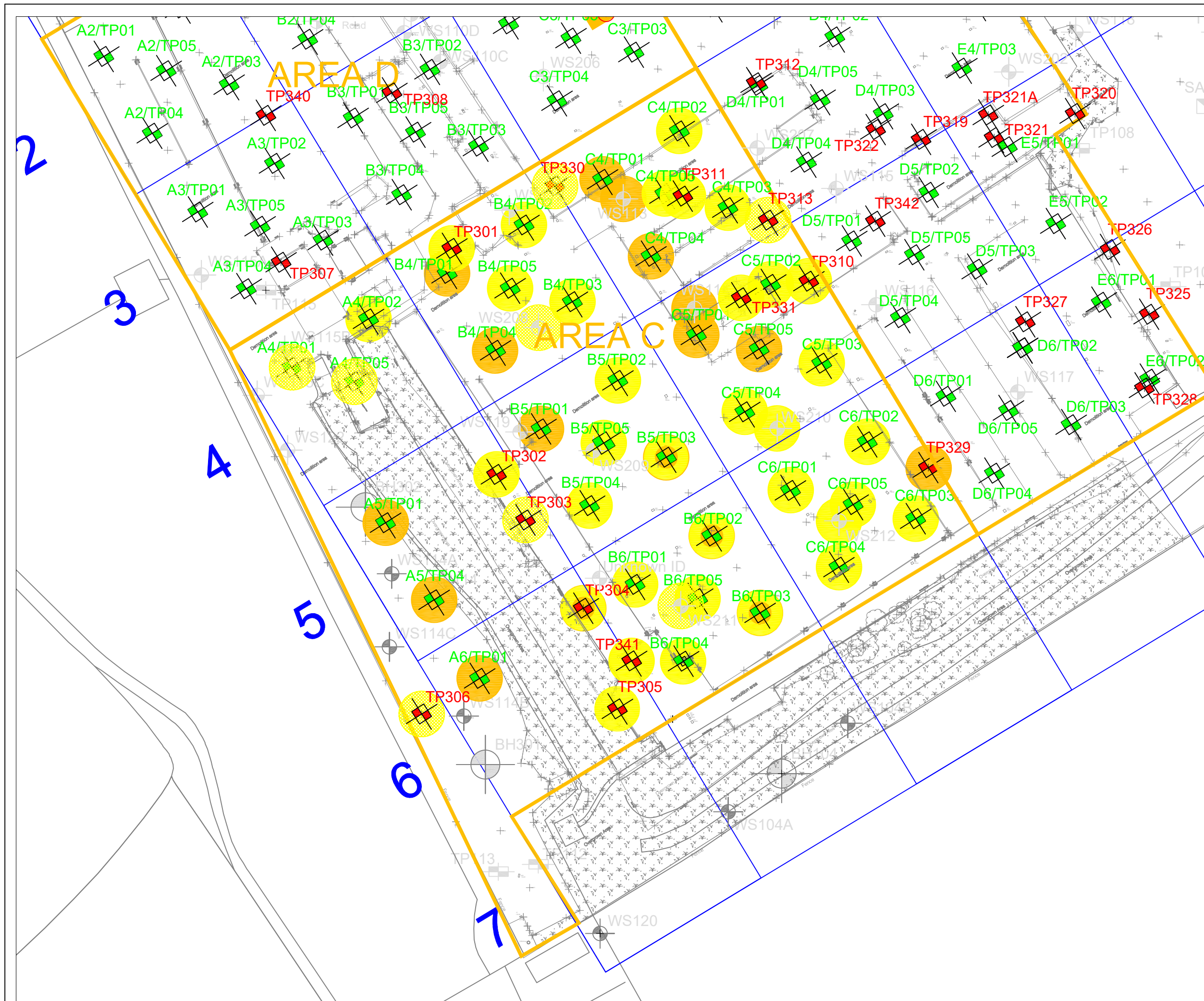
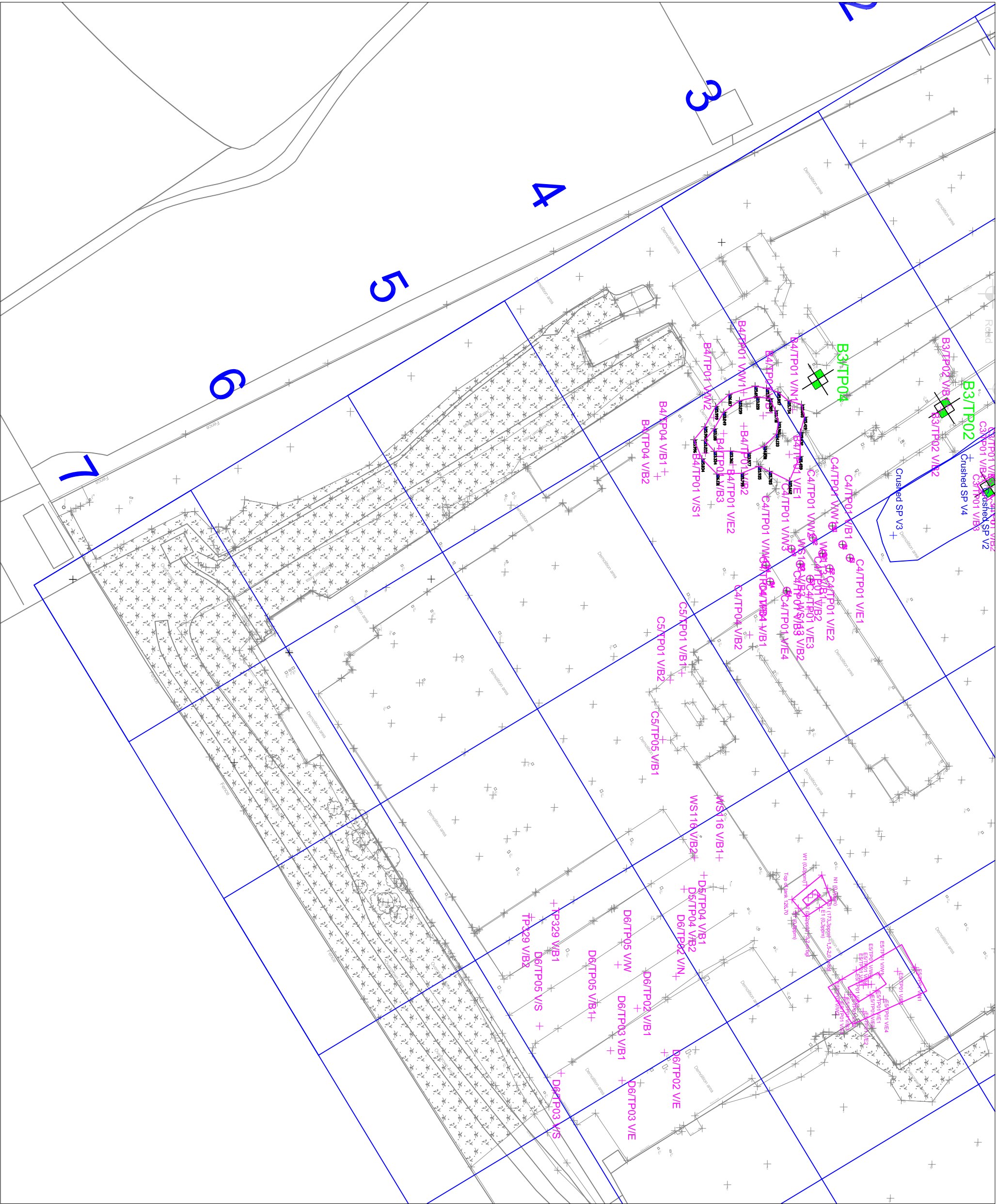




KEY

- Previous Borehole
- Previous Window Samples
- Hydrock Trial Pits (2014)
- AAe 2022 Investigation**
- Trial Pits
- Waste Classification (Made Ground)**
- Pro-forma Boundary
- Hazardous
- Non-Hazardous
- No sample taken/No analysis undertaken
- ACM fragment in non-hazardous matrix

Rev.	Details	Drawn Chkd.	Date
Project			
223159 Saunderton			
Title			
Classification Plan (Made Ground) AREA C			
 AA Environmental Ltd Units 4-8 Cholswell Court Shippon Abingdon Oxon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk			
Scale 1:1,000(A3)	Date Sep'22	Drawn CAL	Chkd. ML
Drg. No. 223159/C/C		Rev.	



Rev.	Details	Drawn	Date
		Chkd.	

Project
223159
Saunderton

Title
Validation Plan - Area C



AAE Environmental Ltd
Units 4-8
Chobwell Court
Shippot Ashington
Oxon OX13 8HX
T: (01235) 538042
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info@aae-uk.co.uk
www.aae-uk.co.uk

Scale	Date	Drawn	Chkd.	Dwg. No.	Rev.
1:1000(A3)	Sep 22	CAL	ML	223159/D/C	



Trial Pit Log

TrialPit No
A4/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.	223159
-------------	--------

Co-ords: 480668.07 - 198425.22
Level: 134.90

Date
11/08/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 1.50

Scale
1:20

Client: Avalon/Ramboll

Depth
0.70

0.60

1.50

Logged
TRE

[illegible]

Remarks:	Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered. Made Ground had been removed during enabling works.
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Stability:	Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.
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Trial Pit Log

TrialPit No
A4/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
07/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

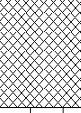
Dimensions (m): 2.00

Depth
1.60

1.00

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.10 - 0.40	ES		0.10			CONCRETE.
				0.40			Light, grey, slightly cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, brick, and flint. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse. Occasional rootlet throughout and clay pipe observed (MADE GROUND).
	0.60 - 1.60	ES					Light, greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).
				1.60			End of Pit at 1.60m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
A4/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480683.17 - 198420.60
Level: 134.55

Date
11/08/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 1.50

Scale
1:20

Client: Avalon/Ramboll

Depth
0.85

0.60

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.85	ES		0.85	133.70		Greyish-white, cobbly, sandy, slightly clayey GRAVEL. Cobbles of subangular chalk. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of chalk (NEW PIT CHALK FORMATION).
							End of Pit at 0.85m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered. Made Ground had been removed during enabling works.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
A5/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480691.37 - 198380.35
Level: 139.74

Date
11/08/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.00

0.80

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.35	ES					Greyish-brown, bouldery, cobbly, gravelly, clayey SAND. Boulders of brick and concrete. Cobbles of brick, concrete, flint and chalk. Gravels are fine to coarse, angular to subangular of brick, concrete, flint and chalk. Sand is fine to coarse. Wood fragments and steel throughout. Several fragments of suspected ACM (MADE GROUND).	1
	1.35 - 2.00	ES		1.35	138.39		Greyish-white, cobbly, sandy, slightly clayey GRAVEL. Cobbles of subangular chalk. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of chalk (NEW PIT CHALK FORMATION).	2
				2.00	137.74		End of Pit at 2.00m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Fragments of suspected ACM were encountered within the Made Ground.

Stability: Unstable in Made Ground. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
A5/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480706.56 - 198360.44
Level: 140.78

Date
11/08/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.00

0.80

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.45	ES					Dark greyish-brown, bouldery, cobbly, gravelly, clayey SAND. Boulders of brick and concrete. Cobbles of brick, concrete, flint and chalk. Gravels are fine to coarse, angular to subangular of brick, concrete, flint and chalk. Sand is fine to coarse. Plastic waste and steel throughout. Fragments of suspected ACM (MADE GROUND).	1
	1.45 - 2.00	ES		1.45	139.33		Greyish-white, cobbly, sandy, slightly clayey GRAVEL. Cobbles of subangular chalk. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of chalk (NEW PIT CHALK FORMATION).	2
				2.00	138.78		End of Pit at 2.00m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Fragments of suspected ACM were encountered within the Made Ground.

Stability: Unstable in Made Ground. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
A6/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480719.63 - 198339.14
Level: 141.57

Date
11/08/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.00

0.80

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.45	ES		0.30	141.26		Dark greyish-whitish brown, slightly cobbly, gravelly, clayey SAND. Cobbles of sporadic brick, concrete, flint and chalk. Gravels are fine to coarse, angular to subangular of brick, concrete, flint and chalk. Sand is fine to coarse (MADE GROUND).	1
				1.00	140.56		Greyish-brownish white, slightly cobbly, gravelly, slightly clayey SAND. Cobbles of subangular chalk. Gravels are fine to coarse, angular to subangular of chalk. Sand is fine to coarse (re-worked chalk, MADE GROUND).	
				1.45	140.12		Brown, gravelly, clayey SAND. Gravels are fine to coarse, angular to sub-angular of sporadic brick, concrete, flint and chalk. Sand is fine to medium. Wood fragments and steel throughout (MADE GROUND).	
	1.45 - 2.00	ES		2.00	139.56		Greyish-white, cobbly, sandy, slightly clayey GRAVEL. Cobbles of subangular chalk. Sand is fine to coarse. Gravel is fine to coarse, angular to subangular of chalk (NEW PIT CHALK FORMATION).	2
							End of Pit at 2.00m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Fragment of suspected ACM was encountered at ground surface.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B4/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
05/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

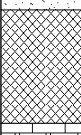
Dimensions (m): 3.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.90

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.50	ES		0.20			CONCRETE.	
	0.50 - 1.70	ES		0.50			Grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, brick, and chalk. Gravels are fine to coarse, angular to sub-angular concrete, brick and chalk. Sand is fine to coarse. Suspected below ground passageway. Organic/hydrocarbon staining throughout (MADE GROUND).	
							Brownish-grey, cobbly, gravelly, SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Organic/hydrocarbon staining throughout (NEW PIT CHALK FORMATION).	1
				1.70				
	2.50 - 2.90	ES					Brownish-grey, cobbly, gravelly, SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
				2.90				
							End of Pit at 2.90m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected hydrocarbon/organic staining encountered between 0.20 m - 1.70 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted. Suspected below ground passageway encountered between 0.20 - 0.50 m BGL.





Trial Pit Log

TrialPit No
B4/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
20/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 3.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.80

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.50	ES		0.20			CONCRETE.	
				0.50			Light, greyish-brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete and brick. Cobbles of angular to sub-angular concrete, brick, and chalk. Gravels are fine to coarse, angular to sub-angular of concrete, brick, chalk and flint. Sand is fine to coarse. Electric cables encountered (MADE GROUND).	
	0.70 - 1.70	ES					Light, whitish-greyish brown, cobbly, gravelly, SAND. Cobbles of angular to sub-angular chalk, brick, and concrete. Gravels are fine to coarse, angular to sub-angular of chalk, brick and concrete. Sand is fine to coarse. Brick chamber encountered. Organic/hydrocarbon staining throughout (MADE GROUND).	1
				1.90			Light, whitish-grey and whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
	2.00 - 2.80	ES		2.80			End of Pit at 2.80m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected hydrocarbon/organic staining encountered between 0.50 m - 1.90 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B4/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
20/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 3.50

Depth
2.40

1.50

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.00	ES					Light, brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and chalk. Gravels are fine to coarse, angular to sub-angular of concrete, chalk, brick, and flint. Sand is fine to coarse. Brick drainage chamber and clay drainage pipe encountered. Reworked chalk (MADE GROUND).	1
	1.60 - 2.40	ES		1.60			Light brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
				2.40			End of Pit at 2.40m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered. Concrete removed prior to excavation.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B4/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
20/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 3.00

Scale
1:20

Client: Avalon/Ramboll

Depth
3.10

1.50

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			CONCRETE.	
	0.30 - 1.30	ES		0.50			Dark grey and black, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete and brick. Cobbles of angular to sub-angular brick and concrete. Gravels are fine to coarse, angular to sub-angular of concrete, brick, flint, and chalk. Sand is fine to coarse (MADE GROUND).	
				0.60			Grey and brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular brick. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse (MADE GROUND).	
							Whitish-grey, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular brick, concrete, and chalk. Cobbles of angular to sub-angular brick, concrete, and chalk. Gravels are fine to coarse, angular to sub-angular of brick, concrete, chalk, and flint. Sand is fine to coarse. Brick drainage chamber encountered (MADE GROUND).	1
	2.10 - 3.10	ES		2.10			Light, whitish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
				3.10			End of Pit at 3.10m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment (AS32) encountered at 0.00 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B4/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
05/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 3.00

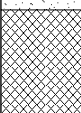
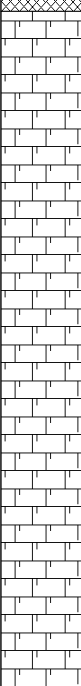
Depth
2.30

1.50

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.50	ES		0.20			Reinforced CONCRETE.	
				0.50			Greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, chalk, and flint. Sand is fine to coarse. Clay pipe observed (MADE GROUND).	
	1.30 - 2.30	ES		2.30			Whitish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	
							End of Pit at 2.30m	

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B5/TP01
Sheet 1 of 1

Project Name:	Saunderton Data Centre	Project No.	223159	Co-ords: - Level:		Date	14/07/2022
Location:	Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)			Dimensions (m):	2.50	Scale	1:20
Client:	Avalon/Ramboll			Depth	2.70	Logged	KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 1.40	ES		0.20			CONCRETE.	
				0.90			Light, reddish-brown and greyish-brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse. Brick drainage chamber and concrete slab encountered. Suspected cement ACM fragments (AC31) (MADE GROUND).	1
				1.80			Brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk, brick, and concrete. Gravels are fine to coarse, angular to sub-angular of chalk, brick, and concrete. Sand is fine to coarse. Brick drainage chamber with concrete slab base encountered (MADE GROUND).	
	2.00 - 2.70	ES		2.70			Light, whitish-brown, slightly bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular chalk. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and occasional flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
							End of Pit at 2.70m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.20 - 1.80 m BGL.

Stability: Stable. On completion of logging and sampling. Trial pit was backfilled with natural chalk arisings. Trial pit arisings were removed to a Hazardous stockpile.





Trial Pit Log

TrialPit No
B5/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m):
2.50
1.50
Depth 1.65

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.50	ES					Light, brownish-grey, cobbly, gravelly, SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	
	1.00 - 1.65	ES		1.65			End of Pit at 1.65m	1 2 3 4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

Trial Pit No
B5/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
13/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

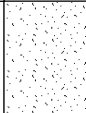
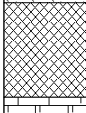
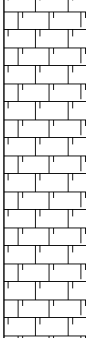
Depth
1.50

1.50

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30 - 0.55	ES		0.30			CONCRETE.
	0.80 - 1.50	ES		0.55			Brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, flint, and chalk. Gravels are fine to coarse, angular to sub-angular of concrete, flint, chalk, and brick grains. Sand is fine to coarse. Potentially reworked (MADE GROUND).
				1.50			Light, brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).
							End of Pit at 1.50m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B5/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m):

3.00

Depth
2.30

1.50

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 1.20	ES		0.20			CONCRETE.	
				0.60			Light brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete, brick, and chalk. Gravels of concrete, brick, and chalk. Sand is fine to coarse. Occasional glass shard. Electrical cable and rebar encountered. Suspected ACM fragment AS30 (MADE GROUND).	1
				1.40			Light, greyish-brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular brick and chalk. Cobbles of angular to sub-angular brick and chalk. Gravels are fine to coarse of brick and chalk. Sand is fine to coarse. Brick drainage chamber encountered. Reworked chalk (MADE GROUND).	
	1.50 - 2.30	ES		2.30			Light brownish-grey, slightly bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular chalk. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
							End of Pit at 2.30m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.20 - 0.60 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B5/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.40

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 1.30	ES		0.35			CONCRETE.	
				0.60			Light, greyish-brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse (MADE GROUND).	
							Light, brown and grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk, brick, and concrete. Gravels are fine to coarse, angular to sub-angular of chalk, brick, and concrete. Sand is fine to coarse. Brick drainage chamber and concrete slab encountered (MADE GROUND).	1
	1.70 - 2.40	ES		1.70			Light, whitish-grey, slightly bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular chalk. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and occasional flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	2
				2.40			End of Pit at 2.40m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B6/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.50

Scale
1:20

Client: Avalon/Ramboll

Depth
1.40

1.50

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.05 - 0.70	ES		0.05 0.10			CONCRETE. Light, brownish-grey, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular concrete and flint. Sand is fine to coarse (MADE GROUND).	
				0.40			CONCRETE SLAB (REINFORCED). Light brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete. Gravels of fine to coarse, angular to sub-angular of concrete, chalk, and flint. Sand is fine to coarse (MADE GROUND).	
	0.70 - 1.40	ES		0.70			Light, greyish-brown, slightly bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular chalk. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.40			End of Pit at 1.40m	2 3 4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B6/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
13/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

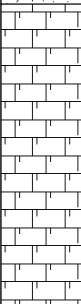
Dimensions (m): 2.50

Depth
1.40

1.50

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30 - 0.60	ES		0.30 0.40 0.60		  	CONCRETE. Light, grey, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular of concrete and flint. Sand is fine to coarse (MADE GROUND). CONCRETE SLAB. Whitish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).
	0.70 - 1.40	ES		1.40			End of Pit at 1.40m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B6/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
13/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

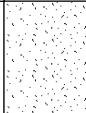
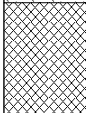
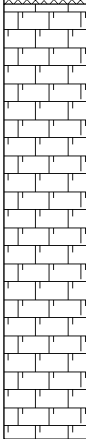
Dimensions (m): 3.00

Depth
1.75

1.50

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.60	ES		0.30			CONCRETE.	
				0.60			Brownish-grey, slightly bouldery, slightly cobbly, gravelly SAND. Boulders of angular to sub-angular concrete, chalk, and flint. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (MADE GROUND).	
	0.80 - 1.75	ES		1.75			Whitish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.75m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B6/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

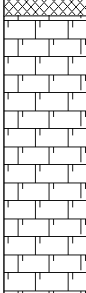
Dimensions (m): 2.50

Scale
1:20

Client: Avalon/Ramboll

Depth
1.50

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.25 - 0.75	ES		0.25			CONCRETE.	
				0.50			Brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse. Occasional rootlet throughout (MADE GROUND).	
	0.75 - 1.50	ES		0.75			Greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse. Clay pipe encountered. Potentially reworked (MADE GROUND).	
				1.50			Brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.50m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
B6/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/07/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.50

Scale
1:20

Client: Avalon/Ramboll

Depth
1.35

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.45	ES		0.20			CONCRETE (REINFORCED).	
	0.50 - 1.35	ES		0.45			Light brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular of concrete and flint. Sand is fine to coarse. Electric cables encountered (MADE GROUND).	
				1.00			Light, whitish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	
				1.35			Light, brownish-grey, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular chalk. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.35m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C4/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
29/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
1.70

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.50	ES		0.30			Grey, brown, and dark brown mottled, cobbly, gravelly SAND. Cobbles are angular to sub-angular of concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, flint and X. Sand is fine to coarse. Sporadic glass content. Suspected cement ACM fragment AS26 (MADE GROUND).	
				0.60			White, grey, and dark grey mottled, cobbly, gravelly SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk, brick and flint. Sand is fine to coarse (MADE GROUND).	
	0.90 - 1.70	ES		1.70			Light, brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.70m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered at surface level (0.00 m BGL).

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C4/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
15/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 1.50

Depth
1.40

1.00

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.50	ES		0.10			Brownish-grey, cobbly, gravelly SAND. Cobbles of sub-angular chalk and brick. Gravels are fine to coarse, angular to sub-angular of chalk and brick. Sand is fine to coarse (MADE GROUND).
	0.80 - 1.40	ES		1.40			Light, greyish-white, cobbly, sandy GRAVEL. Cobbles of sub-angular chalk. Sand is fine to coarse. Gravels are fine to coarse, angular to sub-angular of chalk (NEW PIT CHALK FORMATION).
							End of Pit at 1.40m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C4/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
23/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.50

Depth
1.70

0.80

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10 - 0.50	ES		0.40			Whitish-brown, cobbly, gravelly SAND. Cobbles are angular to sub-angular of concrete, flint and brick. Gravels are fine to coarse, angular to sub-angular of concrete, flint and brick. Sand is fine to coarse (MADE GROUND).	
				0.60			Brown gravelly, slightly clayey SAND. Gravels are angular to sub-angular of flint and brick grains. Sand is fine to coarse (potentially reworked).	
	0.80 - 1.60	ES		1.70			Brownish-grey, cobbly, gravelly, SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.70m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C4/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
29/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Depth
1.30

1.00

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20 - 0.30	ES		0.20			CONCRETE.
	0.40 - 1.30	ES		0.30			Brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete. Gravels are fine to coarse, angular to sub-angular of concrete, brick, and flint. Sand is fine to coarse. Suspected cement ACM fragment AS25 (MADE GROUND).
							Light, brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).
				1.30			End of Pit at 1.30m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered at surface level (0.00 m BGL).

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C5/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
23/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.50

Depth
1.30

0.80

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 0.30	ES		0.30			Greyish-brown, cobbly, gravelly SAND. Cobbles are angular to sub-angular of concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, flint and sporadic chalk. Sand is fine to coarse. Sporadic glass content (MADE GROUND).	
	0.50 - 1.30	ES		1.30			Light whitish-brown, slightly cobbly, gravelly SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.30m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

Trial Pit No
C5/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
22/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m):



Scale
1:20

Client: Avalon/Ramboll

Depth
2.40

Logged

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.50	ES		0.30			CONCRETE.	
				0.50			Brownish-grey, slightly cobbly, gravelly SAND. Cobbles of sub-angular brick, ceramic tile and sporadic chalk. Gravels are fine to coarse, angular to sub-angular of brick, tile chalk and flint. Sand is fine to coarse. Suspected cement ACM fragment AS23 (MADE GROUND).	
							Light whitish-brown, slightly cobbly, gravelly SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
	1.50 - 2.40	ES						2
				2.40			End of Pit at 2.40m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.00 m - 0.30 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C5/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
23/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

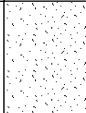
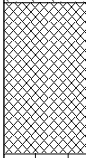
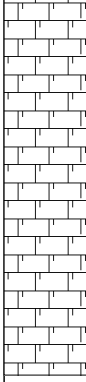
Scale
1:20

Client: Avalon/Ramboll

Depth
1.70

0.80

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			CONCRETE.	
	0.40 - 0.70	ES					Greyish-brown, cobbly, gravelly SAND. Cobbles are angular to sub-angular of flint, brick, and concrete. Gravels are fine to coarse, angular to sub-angular of flint, brick, concrete and chalk. Sand is fine to coarse (MADE GROUND).	
	0.80 - 1.30	ES		0.70			Light, whitish-grey, cobbly, gravelly SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse of angular to sub-angular chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.70			End of Pit at 1.70m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C5/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
29/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

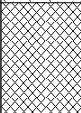
Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
1.70

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.60	ES		0.30			CONCRETE.	
				0.60			Light brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and X. Gravels are fine to coarse, angular to sub-angular of concrete, X, flint, and brick. Sand is fine to coarse (MADE GROUND).	
	0.80 - 1.70	ES		1.70			Light, greyish-brown, slightly cobbly, gravelly SAND. Cobbles of sub-angular chalk. Gravels are fine to coarse, sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.70m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C6/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
22/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m):

Scale
1:20

Client: Avalon/Ramboll

Depth
1.90

Logged

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.40	ES		0.20			CONCRETE.	
				0.40			Brownish-grey, slightly cobbly, gravelly SAND. Cobbles of sub-angular brick, ceramic tile and sporadic chalk. Gravels are fine to coarse, angular to sub-angular of brick, tile chalk and flint. Sand is fine to coarse. Suspected bitumen pipe ACM fragment AS22 (MADE GROUND).	
	1.00 - 1.90	ES					Light, whitish-grey, cobbly, gravelly SAND. Cobbles are angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.90			End of Pit at 1.90m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.00 m - 0.20 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C6/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
22/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m):



Scale
1:20

Client: Avalon/Ramboll

Depth
2.10

Logged

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.50	ES		0.30			CONCRETE.	
				0.50			Brownish-grey, slightly cobbly, gravelly SAND. Cobbles of sub-angular brick, ceramic tile and sporadic chalk. Gravels are fine to coarse, angular to sub-angular of brick, tile chalk and flint. Sand is fine to coarse. Suspected bitumen pipe ACM fragment AS21 (MADE GROUND).	
	1.00 - 2.00	ES					Light whitish-brown, slightly cobbly, gravelly SAND. Cobbles are angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				2.10			End of Pit at 2.10m	2
								3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.00 m - 0.30 m BGL.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

TrialPit No
C6/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
23/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.50

Depth
1.20

1.00

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.30	ES					
	0.40 - 1.10	ES		0.30			Greyish-brown, cobbly, sandy GRAVEL. Cobbles of angular to sub-angular flint, brick and concrete. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded of flint, brick, concrete and sporadic chalk. Occasional rootlet and sporadic plastic debris throughout (MADE GROUND).
				1.20			Light, whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).
							End of Pit at 1.20m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Trial Pit Log

Trial Pit No
C6/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
23/06/2022

Location: Former Molins Site, Haw Lane, Saunderton, HP14 4JG (approx)

Dimensions (m): 2.00

Depth
1.50

1.00

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.10 - 0.50	ES		0.10			CONCRETE.
				0.50			Light, greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular flint, concrete, and sporadic chalk. Gravels are fine to coarse, angular to sub-angular of flint, brick, concrete and sporadic chalk. Sand is fine to coarse (MADE GROUND).
	0.70 - 1.40	ES					Light, whitish-grey, cobbly, gravelly SAND. Cobbles are angular to sub-angular chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).
				1.50			End of Pit at 1.50m

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. No visual or olfactory evidence of contamination was encountered.

Stability: Stable. On completion of logging and sampling, trial pit was backfilled with arisings in order of sequence and compacted.





Comment

Trial pit A4/TP01, excavated to 0.70 m BGL.

Project

223159 – Saunderton

Photo Plate

19

Date

12/08/2022

Originator

Tomos Eaves



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Comment A4/TP01 natural arisings.	Project 223159 – Saunderton
	Photo Plate 20
	Date 12/08/2022
	Originator Tomos Eaves
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment Trial pit A4/TP02, excavated to 1.60 m BGL.	Project 223159 – Saunderton
	Photo Plate 7
	Date 07/07/2022
	Originator Kieran Evans
	 AAe Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment A4/TP02 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 8
	Date 07/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment A4/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 9
	Date 07/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit A4/TP05, excavated to 0.85 m BGL.

Project

223159 – Saunderton

Photo Plate

17

Date

12/08/2022

Originator

Tomos Eaves



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Comment

A4/TP05 natural arisings.

Project

223159 – Saunderton

Photo Plate

18

Date

12/08/2022

Originator

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Comment

Trial pit A5/TP01, excavated to 2.00 m BGL.

Project

223159 – Saunderton

Photo Plate

9

Date

12/08/2022

Originator

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Comment

A5/TP01 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

10

Date

12/08/2022

Originator

Tomos Eaves



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Comment

A5/TP01 natural arisings.

Project

223159 – Saunderton

Photo Plate

11

Date

12/08/2022

Originator

Tomos Eaves



AA Environmental Limited

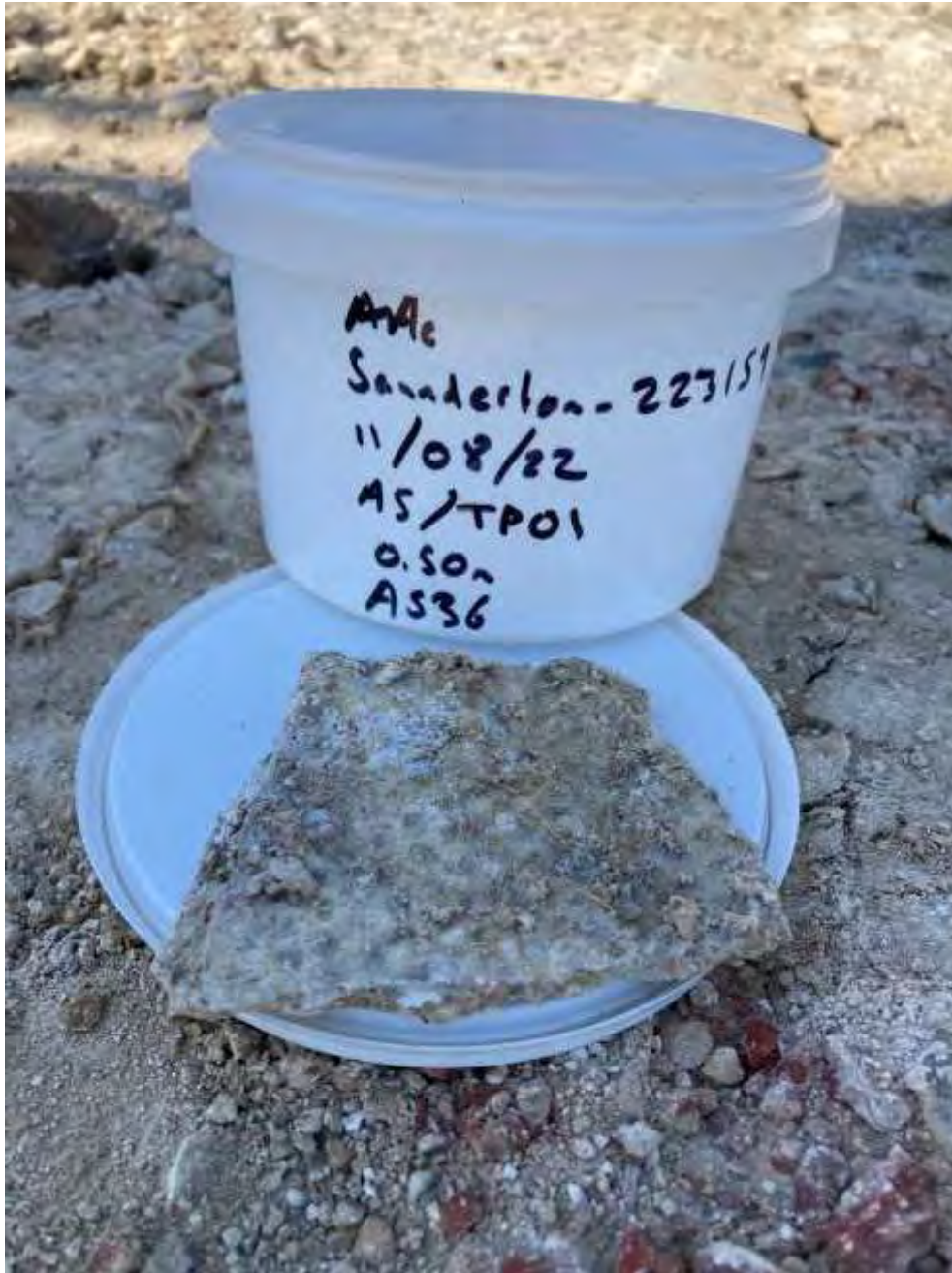
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Comment

Fragment of suspected ACM encountered in Made Ground of A5/TP01.

Project

223159 – Saunderton

Photo Plate

12

Date

12/08/2022

Originator

Tomos Eaves



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Comment

Trial pit A5/TP04, excavated to 2.00 m BGL.

Project

223159 – Saunderton

Photo Plate

5

Date

12/08/2022

Originator

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Comment A5/TP04 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 6
	Date 12/08/2022
	Originator Tomos Eaves
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

A5/TP04 natural arisings.

Project

223159 – Saunderton

Photo Plate

7

Date

12/08/2022

Originator

Tomos Eaves



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Comment

Fragment of suspected ACM encountered in Made Ground of A5/TP04.

Project

223159 – Saunderton

Photo Plate

8

Date

12/08/2022

Originator

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Comment

Trial pit A6/TP01, excavated to 2.00 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

12/08/2022

Originator

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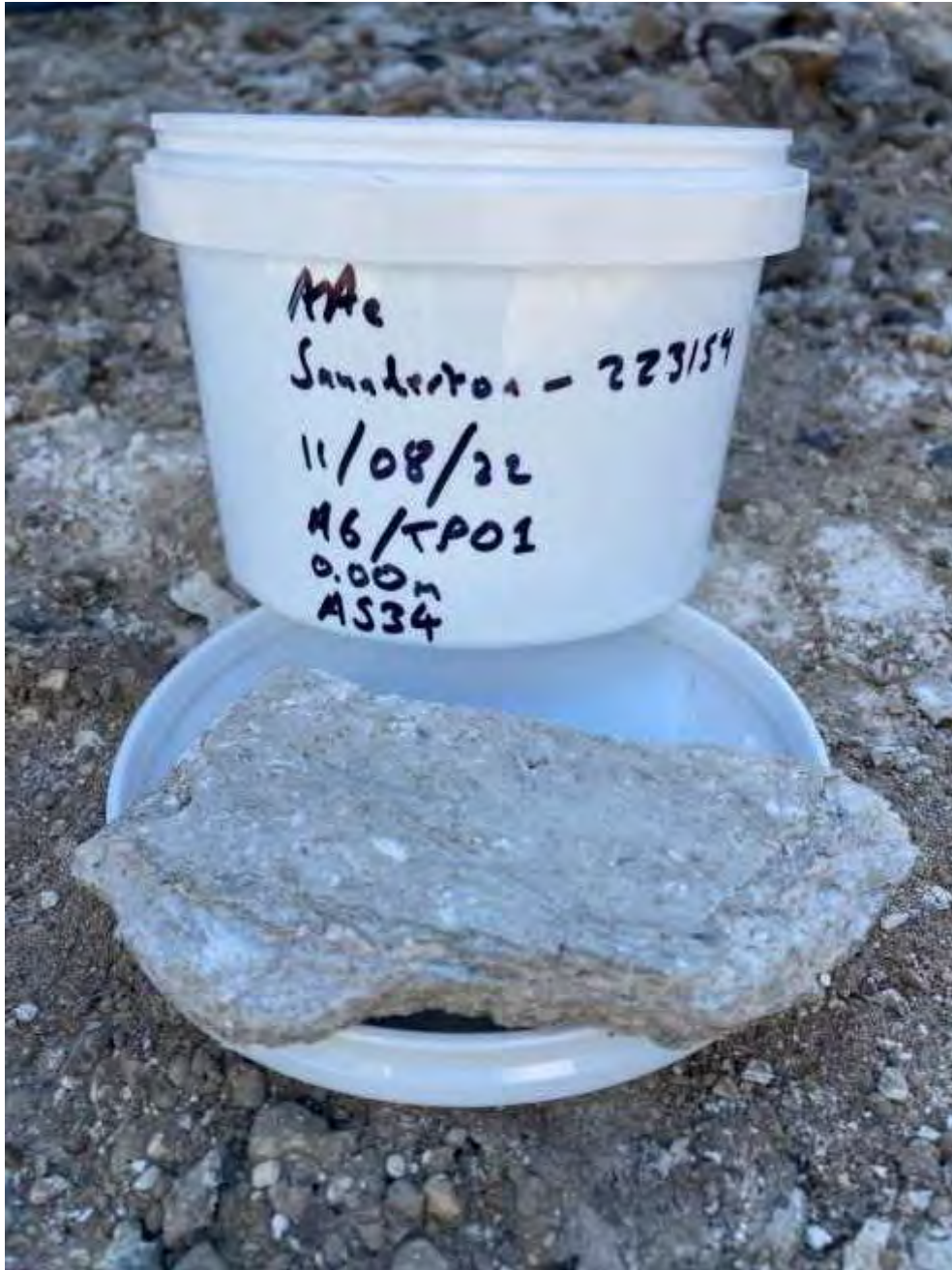
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Comment A6/TP01 Made Ground arisings, including re-worked natural (chalk).	Project 223159 - Saunderton
	Photo Plate 2
	Date 12/08/2022
	Originator Tomos Eaves
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment A6/TP01 natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	Date 12/08/2022
	Originator Tomos Eaves
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Fragment of suspected ACM encountered on ground surface at A6/TP01.

Project

223159 – Saunderton

Photo Plate

4

Date

12/08/2022

Originator

Tomos Eaves

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Comment

Trial pit B4/TP01, excavated to 2.90 m Below Ground Level (m BGL) - suspected below ground passageway observed.

Project

223159 - Saunderton

Photo Plate

1

Date

05/07/2022

Originator

Kieran Evans



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Comment

B4/TP01 Made Ground arisings.

Project

223159 - Saunderton

Photo Plate

2

Date

05/07/2022

Originator

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Comment B4/TP01 natural arisings – noticeable staining.	Project 223159 – Saunderton
	Photo Plate 3
	Date 05/07/2022
	Originator Kieran Evans
	AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

B4/TP01 natural arisings.

Project

223159 – Saunderton

Photo Plate

4

Date

05/07/2022

Originator

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Comment

Trial pit B4/TP02, excavated to 2.80 m BGL.

Project

223159 – Saunderton

Photo Plate

8

Date

20/07/2022

Originator

Kieran Evans



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Comment B4/TP02 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 9
	Date 20/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B4/TP02 Made Ground arisings, with visible staining.	Project 223159 – Saunderton
	Photo Plate 10
	Date 20/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment	Project 223159 – Saunderton
B4/TP02 Made Ground arisings – clay pipe containing potential contaminants.	Photo Plate 11
	Date 20/07/2022
	Originator Kieran Evans
	AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B4/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 12
	Date 20/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B4/TP03, excavated to 2.40 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

20/07/2022

Originator

Kieran Evans



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Comment B4/TP03 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	Date 20/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

B4/TP03 Natural arisings.

Project

223159 – Saunderton

Photo Plate

3

Date

20/07/2022

Originator

Kieran Evans



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Comment

Trial pit B4/TP04, excavated to 3.10 m BGL.

Project

223159 – Saunderton

Photo Plate

4

Date

20/07/2022

Originator

Kieran Evans



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Comment

B4/TP04 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

5

Date

20/07/2022

Originator

Kieran Evans



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Comment B4/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 6
	Date 20/07/2022
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Fragment of suspected Asbestos
Containing Material encountered in trial pit
B4/TP04.

Project

223159 – Saunderton

Photo Plate

7

Date

20/07/2022

Originator

Kieran Evans



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Comment Trial pit B4/TP05, excavated to 2.30 m BGL.	Project 223159 – Saunderton
	Photo Plate 5
	Date 05/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

B4/TP05 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

05/07/2022

Originator

Kieran Evans



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Comment B4/TP05 natural arisings.	Project 223159 – Saunderton
	Photo Plate 7
	Date 05/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B5/TP01, excavated to 2.70 m BGL.

Project

223159 – Saunderton

Photo Plate

18

Date

14/07/2022

Originator

Kieran Evans



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Comment Suspected Asbestos Containing Material visible within the horizon of trial pit B5/TP01.	Project 223159 – Saunderton
	Photo Plate 19
	Date 14/07/2022
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B5/TP01 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 20
	Date 14/07/2022
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

B5/TP01 Natural arisings.

Project

223159 – Saunderton

Photo Plate

21

Date

14/07/2022

Originator

Kieran Evans



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Comment Suspect Asbestos Containing Material encountered within the Made Ground in trial pit B5/TP01.	Project 223159 – Saunderton
	Photo Plate 22
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Fragment of suspected Asbestos
Containing Material encountered in trial pit
B5/TP01.

Project

223159 – Saunderton

Photo Plate

23

Date

14/07/2022

Originator

Kieran Evans



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Comment

Trial pit B5/TP02, excavated to 1.65 m BGL.

Project

223159 – Saunderton

Photo Plate

24

Date

14/07/2022

Originator

Kieran Evans



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Comment B5/TP02 Natural arisings – noting that Made Ground had been excavated prior to undertaking trial pit excavation.	Project 223159 – Saunderton
	Photo Plate 25
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B5/TP03, excavated to 1.50 m BGL.

Project

223159 – Saunderton

Photo Plate

10

Date

13/07/2022

Originator

Kieran Evans



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Comment

B5/TP03 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

11

Date

13/07/2022

Originator

Kieran Evans



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Comment

B5/TP03 Natural arisings.

Project

223159 – Saunderton

Photo Plate

12

Date

13/07/2022

Originator

Kieran Evans



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Comment

Trial pit B5/TP04, excavated to 2.30 m BGL.

Project

223159 – Saunderton

Photo Plate

10

Date

14/07/2022

Originator

Kieran Evans



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Comment

B5/TP04 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

11

Date

14/07/2022

Originator

Kieran Evans


AA Environmental Limited

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Comment

B5/TP04 Natural arisings.

Project

223159 – Saunderton

Photo Plate

12

Date

14/07/2022

Originator

Kieran Evans



AAe

AA Environmental Limited

Units 4-8 Cholswell Court

Shippon, Abingdon

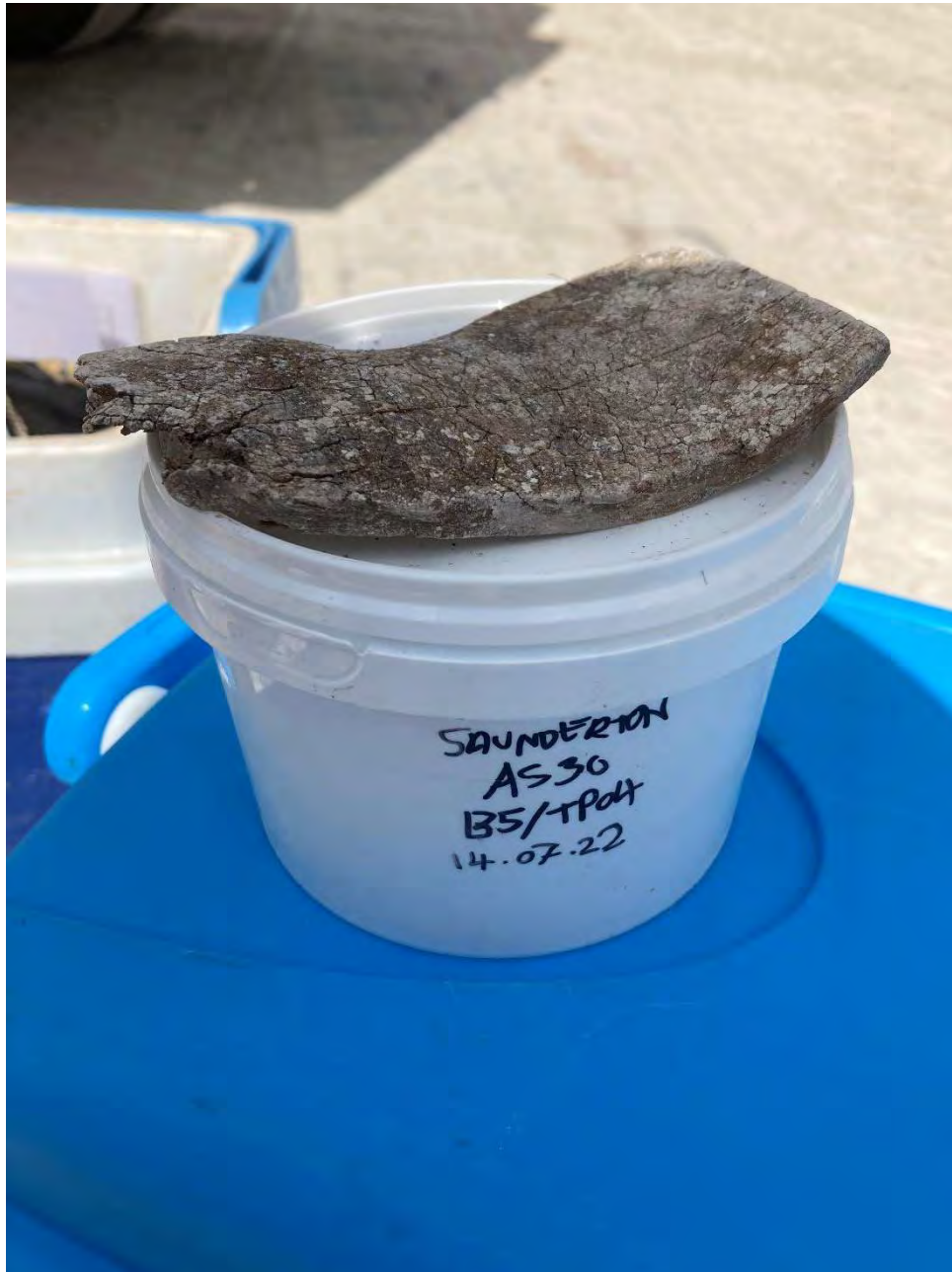
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Comment Fragment of suspected Asbestos Containing Material encountered in trial pit B5/TP04.	Project 223159 – Saunderton
	Photo Plate 13
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B5/TP05, excavated to 2.40 m BGL.

Project

223159 – Saunderton

Photo Plate

14

Date

14/07/2022

Originator

Kieran Evans



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Comment B5/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 15
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B5/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 16
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B5/TP05 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 17
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment Trial pit B6/TP01, excavated to 1.40 m BGL.	Project 223159 – Saunderton
	Photo Plate 7
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B6/TP01 Made Ground arisings	Project 223159 – Saunderton
	Photo Plate 8
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk


Comment

B6/TP01 Natural arisings.

Project

223159 – Saunderton

Photo Plate

9

Date

14/07/2022

Originator

Kieran Evans


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Comment

Trial pit B6/TP02, excavated to 1.40 m BGL.

Project

223159 – Saunderton

Photo Plate

7

Date

13/07/2022

Originator

Kieran Evans



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Comment B6/TP02 Made Ground arisings	Project 223159 – Saunderton
	Photo Plate 8
	Date 13/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B6/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 9
	Date 13/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B6/TP03, excavated to 1.75 m BGL.

Project

223159 – Saunderton

Photo Plate

4

Date

13/07/2022

Originator

Kieran Evans



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Comment B6/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	Date 13/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

B6/TP03 Natural arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

13/07/2022

Originator

Kieran Evans



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Comment Trial pit B6/TP04, excavated to 1.50 m Below Ground Level (m BGL).	Project 223159 - Saunderton
	Photo Plate 1
	Date 14/07/2022
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B6/TP04 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	Date 14/07/2022
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B6/TP04 natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit B6/TP05, excavated to 1.35 m BGL.

Project

223159 – Saunderton

Photo Plate

4

Date

14/07/2022

Originator

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Comment B6/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	Date 14/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk


Comment

B6/TP05 Natural arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

14/07/2022

Originator

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Comment

Trial pit C4/TP01, excavated to 1.70 m BGL

Project

223159 – Saunderton

Photo Plate

14

Date

29/06/2022

Originator

Kieran Evans



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Comment C4/TP01 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 15
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

C4/TP01, further Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

16

Date

29/06/2022

Originator

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Comment C4/TP01 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 17
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Fragments of suspected Asbestos Containing Material (ACM) encountered in C4/TP01.

Project

223159 – Saunderton

Photo Plate

18

Date

29/06/2022

Originator

Kieran Evans



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Comment

Trial pit C4/TP02, excavated to 1.40 m BGL.

Project

223159 – Saunderton

Photo Plate

4

Date

15/06/2022

Originator

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Comment C4/TP02 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	Date 15/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C4/TP02 natural arisings.	Project 223159 – Saunderton
	Photo Plate 6
	Date 15/06/2022
	Originator Kieran Evans
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Comment

Trialpit C4/TP03, excavated to 1.70 m BGL.

Project

223159 – Saunderton

Photo Plate

16

Date

23/06/2022

Originator

Kieran Evans



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Comment C4/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 17
	Date 23/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C4/TP03 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 18
	Date 23/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment Trial pit C4/TP04, excavated to 1.30 m BGL.	Project 223159 – Saunderton
	Photo Plate 7
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C4/TP04 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 8
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk


Comment

Fragments of suspected Asbestos Containing Material (ACM) encountered in C4/TP04.

Project

223159 – Saunderton

Photo Plate

10

Date

29/06/2022

Originator

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Comment

Trial pit C4/TP05, excavated to 1.40 m BGL

Project

223159 – Saunderton

Photo Plate

11

Date

29/06/2022

Originator

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Comment C4/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 12
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C4/TP05 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 13
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment Trial pit C5/TP01, excavated to 1.40 m BGL.	Project 223159 – Saunderton
	Photo Plate 4
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C5/TP01 natural arisings.	Project 223159 – Saunderton
	Photo Plate 6
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trialpit C5/TP02, excavated to 1.30 m BGL

Project

223159 – Saunderton

Photo Plate

13

Date

23/06/2022

Originator

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Comment

C5/TP02 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

14

Date

23/06/2022

Originator

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Comment C5/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 15
	Date 23/06/2022
	Originator Kieran Evans
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Comment
C5-TP03 Trial Pit

Project
Saunderton

Photo Plate
Photo 7

Date
22/6/22

Originator
J Taylor



Comment

C5-TP03 Trial Pit – Made Ground arisings

Project

Saunderton

Photo Plate

Photo 8

Date

22/6/22

Originator

J Taylor



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Comment

C5-TP03 Trial Pit – Natural arisings

Project

Saunderton

Photo Plate

Photo 9

Date

22/6/22

Originator

J Taylor

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Comment

Trial pit C5/TP04, excavated to 1.40 m BGL

Project

223159 – Saunderton

Photo Plate

10

Date

23/06/2022

Originator

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Comment C5/TP04 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 11
	Date 23/06/22
	Originator Kieran Evans
	 Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C5/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 12
	Date 23/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment Trial pit C5/TP05, excavated to 1.70 m Below Ground Level (m BGL).	Project 223159 - Saunderton
	Photo Plate 1
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C5/TP05 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C5/TP05 natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	Date 29/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

Trial pit C6/TP01, excavated to 1.70 m BGL.

Project

223159 – Saunderton

Photo Plate

7

Date

23/06/2022

Originator

Kieran Evans



AA Environmental Limited

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Comment C6/TP01 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 8
	Date 23/06/2022
	Originator Kieran Evans
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Comment

C6/TP01 Natural arisings.

Project

223159 – Saunderton

Photo Plate

9

Date

23/06/2022

Originator

Kieran Evans



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Comment
C6-TP02 Trial Pit

Project
Saunderton

Photo Plate
Photo 4

Date
22/6/22

Originator
J Taylor



Comment

C6-TP02 Trial Pit – Made Ground arisings

Project

Saunderton

Photo Plate

Photo 5

Date

22/6/22

Originator

J Taylor

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Comment

C6-TP02 Trial Pit – Natural arisings

Project

Saunderton

Photo Plate

Photo 6

Date

22/6/22

Originator

J Taylor



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Comment
C6-TP03 Trial Pit

Project
Saunderton

Photo Plate
Photo 1

Date
22/6/22

Originator
J Taylor



Comment

C6-TP03 Trial Pit – Made Ground arisings

Project

Saunderton

Photo Plate

Photo 2

Date

22/6/22

Originator

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Comment

C6-TP03 Trial Pit – Natural arisings

Project

Saunderton

Photo Plate

Photo 3

Date

22/6/22

Originator

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Comment

Trial pit C6/TP04, excavated to 1.20 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

23/06/2022

Originator

Kieran Evans



AA Environmental Limited

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Comment

C6/TP04 Made Ground arisings.

Project

223159 - Saunderton

Photo Plate

2

Date

23/06/2022

Originator

Kieran Evans



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Comment

C6/TP04 natural arisings.

Project

223159 – Saunderton

Photo Plate

3

Date

23/06/2022

Originator

Kieran Evans



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Comment Trial pit C6/TP05, excavated to 1.40 m BGL.	Project 223159 – Saunderton
	Photo Plate 4
	Date 23/06/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment C6/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	Date 23/06/2022
	Originator Kieran Evans
	 AAe Environmental Consultants AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment

C6/TP05 natural arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

23/06/2022

Originator

Kieran Evans



AA Environmental Limited

Units 4-8 Cholswell Court
Shippon, Abingdon
OX13 6HX

T: (01235) 536042

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Final Report

Report No.: 22-22573-1
Initial Date of Issue: 22-Jun-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 17-Jun-2022

Order No.: **Date Instructed:** 17-Jun-2022

No. of Samples: 6

Turnaround (Wkdays): 4 **Results Due:** 22-Jun-2022

Date Approved: 22-Jun-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-22573	22-22573	22-22573	22-22573	22-22573	22-22573
Quotation No.:	Chemtest Sample ID.:				1450213	1450214	1450215	1450216	1450217	1450218
Order No.:	Client Sample Ref.:				C4/TP02	C4/TP02	D3/TP04	D3/TP04	D4/TP01	D4/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.00	0.80	0.00	0.70	0.00	1.90
	Bottom Depth (m):				0.50	1.40	0.20	1.20	0.25	2.00
	Date Sampled:				15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD						
ACM Type	U	2192		N/A	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	17	17	11	17	12	18
Soil Colour	N	2040		N/A	White	White	Brown	Beige	Beige	Beige
Other Material	N	2040		N/A	None	None	Stones	Stones	Stones	None
Soil Texture	N	2040		N/A	Clay	Clay	Gravel	Clay	Clay	Clay
pH	M	2010		4.0	9.9	10.0	9.1	11.4	11.3	11.2
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	6.7	0.89	0.79	0.70
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.042	0.092	0.87	0.14	0.15	0.085
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	0.90	0.90	0.80
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	2.6	3.1	10	2.0	2.2	2.2
Arsenic	M	2455	mg/kg	0.5	< 0.5	0.6	7.5	1.0	0.8	1.0
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.45	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	0.8	1.3	5.9	1.6	1.2	2.6
Copper	M	2455	mg/kg	0.50	2.8	2.9	77	5.0	2.3	5.0
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	1.0	1.1	14	2.1	1.6	5.8
Lead	M	2455	mg/kg	0.50	1.5	2.1	130	6.1	2.0	9.9
Selenium	M	2455	mg/kg	0.25	0.28	0.37	0.68	0.39	0.26	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.3	1.7	9.8	2.3	1.8	2.7
Zinc	M	2455	mg/kg	0.50	5.9	7.5	290	20	9.0	15
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	4.3	2.3	4.8	0.92	1.8	4.4
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	13	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	19	< 1.0	6.1	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	47	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	62	< 1.0	350	36	120	23
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	62	< 5.0	430	36	130	23
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	8.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	8.1	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-22573	22-22573	22-22573	22-22573	22-22573	22-22573
Quotation No.:	Chemtest Sample ID.:		1450213	1450214	1450215	1450216	1450217	1450218
Order No.:	Client Sample Ref.:		C4/TP02	C4/TP02	D3/TP04	D3/TP04	D4/TP01	D4/TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.00	0.80	0.00	0.70	0.00	1.90
	Bottom Depth (m):		0.50	1.40	0.20	1.20	0.25	2.00
	Date Sampled:		15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022	15-Jun-2022
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD				
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	110	72	250	130
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	110	72	270	130
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	170	72	700	160
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	0.35	0.85	0.89	< 0.10
Anthracene	M	2700	mg/kg	0.10	0.16	0.15	0.14	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	0.44	1.3	1.4	0.52
Pyrene	M	2700	mg/kg	0.10	0.51	1.2	1.2	0.58
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.25	0.86	0.85	0.22
Chrysene	M	2700	mg/kg	0.10	0.38	1.3	1.5	0.48
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	1.1	1.2	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	0.56	0.60	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	0.70	0.74	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	0.36	0.33	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.20	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.37	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	2.1	8.4	9.5	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.: 22-23669-1
Initial Date of Issue: 28-Jun-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 24-Jun-2022

Order No.: 223159 **Date Instructed:** 24-Jun-2022

No. of Samples: 13

Turnaround (Wkdays): 3 **Results Due:** 28-Jun-2022

Date Approved: 28-Jun-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669
Quotation No.:	Chemtest Sample ID.:				1454742	1454743	1454744	1454745	1454746	1454747	1454748	1454749	1454750
Order No.: 223159	Client Sample Ref.:				MG	NAT	MG	NAT	MG	NAT	NAT	MG	NAT
	Sample Location:				C6-TP03	C6-TP03	C6-TP02	C6-TP02	C5-TP03	C5-TP03	D6-TP04	D6-TP01	D6-TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.3	1	0.2	1	0.3	1.5	1.5	0.3	2
	Bottom Depth (m):				0.5	2	0.4	1.9	0.5	2.4	2.9	0.5	2.6
	Date Sampled:				22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	Fibres/Clumps	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001			0.002						
Total Asbestos	U	2192	%	0.001			0.002						
Moisture	N	2030	%	0.020	8.5	19	12	20	8.9	19	19	3.7	20
pH	U	2010		4.0	8.0	8.2	8.0	8.2	8.1	8.0	6.7	8.0	8.5
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.59	< 0.40	0.51	< 0.40	0.73	< 0.40	< 0.40	0.50	< 0.40
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.47	1.5	0.20	0.34	0.55	0.029	0.086	0.51	0.014
Cyanide (Total)	U	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	U	2455	mg/kg	0.5	3.5	< 0.5	3.1	< 0.5	4.4	< 0.5	< 0.5	6.1	1.0
Cadmium	U	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	< 0.10
Chromium	U	2455	mg/kg	0.5	6.8	0.6	9.7	0.7	8.4	1.3	0.5	16	1.5
Copper	U	2455	mg/kg	0.50	3.7	1.3	7.5	1.0	4.2	1.1	0.73	40	24
Mercury	U	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	U	2455	mg/kg	0.50	6.1	1.2	7.5	1.1	7.7	1.4	0.58	12	1.9
Lead	U	2455	mg/kg	0.50	3.3	0.84	4.0	1.2	4.6	1.2	0.59	35	2.7
Selenium	U	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.39	< 0.25
Vanadium	U	2455	mg/kg	0.5	11	1.0	9.3	0.9	13	1.4	0.7	25	2.5
Zinc	U	2455	mg/kg	0.50	13	4.2	16	6.0	14	5.7	4.4	160	18
Chromium (Hexavalent)	N	2490	mg/kg	0.50	0.78	< 0.50	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	< 0.20	2.5	0.54	1.9	0.22	2.8	2.1	2.4	1.8
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	7.3	12	12	13	16	8.2	6.7	6.7	6.2
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	31	15	22	26	49	13	18	12	12
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	40	13	33	24	62	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	110	56	480	61	140	17	39	120	12
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	190	96	550	120	270	38	64	140	30
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669	22-23669
Quotation No.:	Chemtest Sample ID.:		1454742	1454743	1454744	1454745	1454746	1454747	1454748	1454749	1454750		
Order No.: 223159	Client Sample Ref.:		MG	NAT	MG	NAT	MG	NAT	NAT	MG	NAT		
	Sample Location:		C6-TP03	C6-TP03	C6-TP02	C6-TP02	C5-TP03	C5-TP03	D6-TP04	D6-TP01	D6-TP01		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.3	1	0.2	1	0.3	1.5	1.5	0.3	2		
	Bottom Depth (m):		0.5	2	0.4	1.9	0.5	2.4	2.9	0.5	2.6		
	Date Sampled:		22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022		
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY		
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	88	22	98	29	30	14	20	17	14
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	88	22	98	29	33	14	20	17	14
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	280	120	650	150	300	52	84	150	44
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	4.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	13	< 0.10
Anthracene	U	2700	mg/kg	0.10	0.92	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.6	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	6.4	< 0.10	< 0.10	< 0.10	0.57	< 0.10	< 0.10	23	< 0.10
Pyrene	U	2700	mg/kg	0.10	6.7	< 0.10	< 0.10	< 0.10	0.32	< 0.10	< 0.10	19	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	3.8	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.8	< 0.10
Chrysene	U	2700	mg/kg	0.10	4.8	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	11	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	4.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	12	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	2.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4.5	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	3.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.6	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	2.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.3	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	0.86	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	1.9	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.7	< 0.10
Total Of 16 PAH's	U	2700	mg/kg	2.0	41	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	120	< 2.0
Total Phenols	U	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-23669	22-23669	22-23669	22-23669
Quotation No.:	Chemtest Sample ID.:				1454751	1454752	1454753	1454754
Order No.: 223159	Client Sample Ref.:				MG	NAT	MG	NAT
	Sample Location:				D5-TP04	D5-TP04	D5-TP01	D5-TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.3	1	0.3	1.5
	Bottom Depth (m):				0.5	2	0.9	2.0
	Date Sampled:				22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001				
Total Asbestos	U	2192	%	0.001				
Moisture	N	2030	%	0.020	4.9	20	11	17
pH	U	2010		4.0	6.9	7.4	10.1	8.6
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.50	< 0.40	0.59	< 0.40
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	0.15	0.041	0.38	0.14
Cyanide (Total)	U	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	U	2455	mg/kg	0.5	9.7	< 0.5	3.6	< 0.5
Cadmium	U	2455	mg/kg	0.10	0.31	< 0.10	< 0.10	< 0.10
Chromium	U	2455	mg/kg	0.5	13	0.5	6.0	0.7
Copper	U	2455	mg/kg	0.50	270	1.0	18	1.6
Mercury	U	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	U	2455	mg/kg	0.50	12	0.66	6.2	0.90
Lead	U	2455	mg/kg	0.50	23	0.67	4.8	0.84
Selenium	U	2455	mg/kg	0.25	0.26	< 0.25	0.54	< 0.25
Vanadium	U	2455	mg/kg	0.5	21	0.8	11	0.9
Zinc	U	2455	mg/kg	0.50	150	4.7	21	5.2
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	U	2625	%	0.20	4.0	1.4	0.75	2.7
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	5.4	4.6	5.3	4.6
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	11	7.7	18	13
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	13	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	150	< 1.0	110	26
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	160	12	140	43
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-23669	22-23669	22-23669	22-23669
Quotation No.:	Chemtest Sample ID.:		1454751	1454752	1454753	1454754
Order No.: 223159	Client Sample Ref.:		MG	NAT	MG	NAT
	Sample Location:		D5-TP04	D5-TP04	D5-TP01	D5-TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.3	1	0.3	1.5
	Bottom Depth (m):		0.5	2	0.9	2.0
	Date Sampled:		22-Jun-2022	22-Jun-2022	22-Jun-2022	22-Jun-2022
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD		
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	21	58
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	21	58
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	190	70
Naphthalene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Fluorene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Chrysene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	2700	mg/kg	2.0	< 2.0	< 2.0
Total Phenols	U	2920	mg/kg	0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.: 22-23673-1
Initial Date of Issue: 28-Jun-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 24-Jun-2022

Order No.: 223159 **Date Instructed:** 24-Jun-2022

No. of Samples: 4

Turnaround (Wkdays): 3 **Results Due:** 28-Jun-2022

Date Approved: 28-Jun-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 22-Jun-2022
Date Received: 24-Jun-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-23673
No Samples:
Date Reported: 28-Jun-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1454802		AS21	C6-TP03	0.3		2185	U	NEW-ASB	-	No Asbestos Detected
1454803		AS22	C6-TP02	0.2		2185	U	NEW-ASB	Bitumen	No Asbestos Detected
1454804		AS23	C5-TP03	0.3		2185	U	NEW-ASB	Cement	No Asbestos Detected
1454805		AS24	D5-TP04	0.3		2185	U	NEW-ASB	Cement	Chrysotile

The in-house procedure SOP2185 is in accordance with the requirements of Appendix 2 of the Analyst Guide (HSG 248).

The results relate only to items tested as supplied by the client.

Comments and interpretations are beyond the scope of UKAS accreditation.

Samples associated with asbestos in building surveys are retained for six months (HSG 264 refers)

Test Methods

SOP	Title	Parameters included	Method summary
2185	Asbestos	Asbestos	Polarised light microscopy
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 22-23892-1
Initial Date of Issue: 29-Jun-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 27-Jun-2022

Order No.: **Date Instructed:** 27-Jun-2022

No. of Samples: 12

Turnaround (Wkdays): 3 **Results Due:** 29-Jun-2022

Date Approved: 29-Jun-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892
Quotation No.:	Chemtest Sample ID.:		1455733	1455734	1455735	1455736	1455737	1455738	1455739	1455740	1455741	1455741	1455741
Order No.:	Client Sample Ref.:		C4/TP03	C4/TP03	C5/TP02	C5/TP02	C5/TP04	C5/TP04	C6/TP01	C6/TP01	C6/TP05	C6/TP05	C6/TP05
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.10	0.80	0.00	0.50	0.40	0.80	0.00	0.70	0.10	0.10	0.10
	Bottom Depth (m):		0.50	1.60	0.30	1.30	0.70	1.30	0.50	1.70	0.50	0.50	0.50
	Date Sampled:		23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	16	19	11	18	8.1	17	13	16	12
Soil Colour	N	2040		N/A	Brown	White	Beige	White	Beige	White	Beige	White	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0	8.3	8.7	10.0	9.1	10.8	9.2	9.9	9.3	10.9
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.6	< 0.40	< 0.40	< 0.40	0.56	< 0.40	0.42	< 0.40	0.72
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.030	0.011	0.12	0.042	0.24	0.048	0.10	0.019	0.17
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	4.0	5.8	< 0.50	< 0.50	< 0.50	< 0.50	2.7
Arsenic	M	2455	mg/kg	0.5	2.7	< 0.5	2.2	0.5	5.0	< 0.5	0.5	< 0.5	4.0
Cadmium	M	2455	mg/kg	0.10	0.31	< 0.10	< 0.10	< 0.10	0.30	< 0.10	0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	7.9	0.9	4.7	1.2	6.4	0.7	1.2	1.0	4.7
Copper	M	2455	mg/kg	0.50	16	0.99	4.6	1.9	10	0.89	1.9	1.1	4.0
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	8.2	0.98	3.5	1.8	6.6	1.1	1.3	1.2	6.3
Lead	M	2455	mg/kg	0.50	14	1.2	12	2.8	16	0.83	1.4	1.0	3.9
Selenium	M	2455	mg/kg	0.25	0.27	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	10	1.1	6.7	1.5	9.0	1.0	1.3	1.1	7.1
Zinc	M	2455	mg/kg	0.50	130	7.0	74	32	520	7.3	7.7	6.2	14
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	5.4	3.9	4.2	3.3	0.60	4.5	3.3	4.0	3.1
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	27
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	110	76	120	< 1.0	< 1.0	< 1.0	130
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	110	76	120	< 5.0	< 5.0	< 5.0	160
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892	22-23892
Quotation No.:	Chemtest Sample ID.:				1455733	1455734	1455735	1455736	1455737	1455738	1455739	1455740	1455741
Order No.:	Client Sample Ref.:				C4/TP03	C4/TP03	C5/TP02	C5/TP02	C5/TP04	C5/TP04	C6/TP01	C6/TP01	C6/TP05
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.10	0.80	0.00	0.50	0.40	0.80	0.00	0.70	0.10
	Bottom Depth (m):				0.50	1.60	0.30	1.30	0.70	1.30	0.50	1.70	0.50
	Date Sampled:				23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022	23-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	90	15	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	90	15	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	200	90	120	< 10	< 10	< 10	160
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.50	0.62	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.47	0.62	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-23892	22-23892	22-23892
Quotation No.:	Chemtest Sample ID.:				1455742	1455743	1455744
Order No.:	Client Sample Ref.:				C6/TP05	C6/TP04	C6/TP04
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.70	0.00	0.40
	Bottom Depth (m):				1.40	0.30	1.10
	Date Sampled:				23-Jun-2022	23-Jun-2022	23-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	19	10	15
Soil Colour	N	2040		N/A	White	Beige	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand
pH	M	2010		4.0	9.6	11.2	9.8
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	0.73	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.018	0.12	0.082
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	< 0.5	3.1	0.9
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	1.1	7.4	2.2
Copper	M	2455	mg/kg	0.50	1.8	17	3.4
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	2.1	22	3.0
Lead	M	2455	mg/kg	0.50	0.99	9.9	1.4
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.6	6.3	2.2
Zinc	M	2455	mg/kg	0.50	8.2	21	6.6
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	4.3	1.6	5.9
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	83	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	83	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-23892	22-23892	22-23892
Quotation No.:	Chemtest Sample ID.:				1455742	1455743	1455744
Order No.:	Client Sample Ref.:				C6/TP05	C6/TP04	C6/TP04
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.70	0.00	0.40
	Bottom Depth (m):				1.40	0.30	1.10
	Date Sampled:				23-Jun-2022	23-Jun-2022	23-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD			
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	78	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	78	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	160	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Amended Report

Report No.:	22-24775-2		
Initial Date of Issue:	05-Jul-2022	Date of Re-Issue:	12-Jul-2022
Client	AA Environmental Ltd		
Client Address:	Units 4 to 8 Cholswell Court Shippon Abingdon Oxfordshire OX136HX		
Contact(s):	Reporting		
Project	223159 Saunderton		
Quotation No.:		Date Received:	01-Jul-2022
Order No.:		Date Instructed:	01-Jul-2022
No. of Samples:	10		
Turnaround (Wkdays):	8	Results Due:	12-Jul-2022
Date Approved:	12-Jul-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775
Quotation No.:	Chemtest Sample ID.:		1459362	1459363	1459364	1459365	1459366	1459367	1459368	1459369	1459370		
Order No.:	Client Sample Ref.:		C5/TP05	C5/TP05	C5/TP01	C5/TP01	C4/TP04	C4/TP04	C4/TP05	C4/TP05	C4/TP01		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.3	0.8	0.0	0.4	0.2	0.4	0.0	0.6	0.0		
	Bottom Depth (m):		0.6	1.7	0.3	1.4	0.3	1.3	0.4	1.4	0.5		
	Date Sampled:		29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	12	14	15	20	11	9.9	23	21	9.5
Soil Colour	N	2040		N/A	Brown	White	White	White	Brown	White	Brown	White	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Chalk	Chalk	Sand	Chalk	Sand	Chalk	Sand
pH	M	2010		4.0	11.6	9.8	11.4	10.8	12.0	10.6	> 12.0	> 12.0	10.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.41	< 0.40	0.44	< 0.40	0.50	< 0.40	0.80	0.57	0.96
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.37	0.016	0.26	0.043	0.14	0.019	0.18	0.066	0.18
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	2.1	7.0	3.8	2.8	5.2	2.1	3.1	2.0	2.0
Arsenic	M	2455	mg/kg	0.5	4.5	< 0.5	2.9	< 0.5	2.3	0.5	9.4	0.7	8.0
Cadmium	M	2455	mg/kg	0.10	0.25	< 0.10	0.47	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.59
Chromium	M	2455	mg/kg	0.5	8.5	0.8	11	1.1	4.2	1.2	11	1.8	33
Copper	M	2455	mg/kg	0.50	19	1.1	20	1.2	5.0	1.6	12	1.8	850
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	6.8	1.2	7.4	0.99	3.9	1.5	11	1.8	38
Lead	M	2455	mg/kg	0.50	9.5	1.5	16	1.5	5.4	1.5	5.2	2.6	80
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	0.28	< 0.25	< 0.25	< 0.25	0.36	< 0.25	0.43
Vanadium	U	2455	mg/kg	0.5	11	1.2	6.7	1.0	6.1	1.6	16	2.3	18
Zinc	M	2455	mg/kg	0.50	210	30	50	11	50	8.2	18	8.4	200
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.30	0.20	1.6	1.8	0.30	0.20	0.40	1.0	17
Diesel Present	N	2670		N/A									
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	21	18
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	310	< 1.0	< 1.0	< 1.0	< 1.0	24	36
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	310	< 5.0	< 5.0	< 5.0	< 5.0	45	54
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775	22-24775
Quotation No.:	Chemtest Sample ID.:				1459362	1459363	1459364	1459365	1459366	1459367	1459368	1459369	1459370
Order No.:	Client Sample Ref.:				C5/TP05	C5/TP05	C5/TP01	C5/TP01	C4/TP04	C4/TP04	C4/TP05	C4/TP05	C4/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.3	0.8	0.0	0.4	0.2	0.4	0.0	0.6	0.0
	Bottom Depth (m):				0.6	1.7	0.3	1.4	0.3	1.3	0.4	1.4	0.5
	Date Sampled:				29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	800	< 1.0	< 1.0	< 1.0	< 1.0	18	33
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	21	< 5.0	800	< 5.0	< 5.0	< 5.0	< 5.0	18	33
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	21	< 10	1100	< 10	< 10	< 10	< 10	62	87
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.79
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.47
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4.9
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.0
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	7.9
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4.1
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.9
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	4.6
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.7
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.1
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.43
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	47
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-24775		
Quotation No.:	Chemtest Sample ID.:		1459371		
Order No.:	Client Sample Ref.:		C4/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.9		
	Bottom Depth (m):		1.7		
	Date Sampled:		29-Jun-2022		
	Asbestos Lab:		NEW-ASB		
Determinand	Accred.	SOP	Units	LOD	
ACM Type	U	2192		N/A	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected
Moisture	N	2030	%	0.020	22
Soil Colour	N	2040		N/A	White
Other Material	N	2040		N/A	Stones
Soil Texture	N	2040		N/A	Chalk
pH	M	2010		4.0	11.0
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.050
Cyanide (Total)	M	2300	mg/kg	0.50	11
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	2.4
Arsenic	M	2455	mg/kg	0.5	0.8
Cadmium	M	2455	mg/kg	0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	1.3
Copper	M	2455	mg/kg	0.50	60
Mercury	M	2455	mg/kg	0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	2.1
Lead	M	2455	mg/kg	0.50	12
Selenium	M	2455	mg/kg	0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.6
Zinc	M	2455	mg/kg	0.50	11
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	1.2
Diesel Present	N	2670		N/A	False
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	5.6
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	300
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	1200
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	1500
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-24775		
Quotation No.:	Chemtest Sample ID.:		1459371		
Order No.:	Client Sample Ref.:		C4/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.9		
	Bottom Depth (m):		1.7		
	Date Sampled:		29-Jun-2022		
	Asbestos Lab:		NEW-ASB		
Determinand	Accred.	SOP	Units	LOD	
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	9.7
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	100
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	1200
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	1300
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	2800
Naphthalene	M	2700	mg/kg	0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10

TPH Interpretation

Job	Sample	Matrix	Location	Sample Ref	Sample ID	Sample Depth (m)	Gasoline / Diesel Present	TPH Interpretation
22-24775	1459371	S		C4/TP01		0.9	No	PAH and Heavy Oil

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.: 22-24777-1
Initial Date of Issue: 04-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 01-Jul-2022

Order No.: **Date Instructed:** 01-Jul-2022

No. of Samples: 2

Turnaround (Wkdays): 3 **Results Due:** 05-Jul-2022

Date Approved: 04-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 29-Jun-2022
Date Received: 01-Jul-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-24777
No Samples:
Date Reported: 04-Jul-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1459373		AS25	C4/TP04	0.0		2185	U	NEW-ASB	Cement	Chrysotile
1459374		AS26	C4/TP01	0.0	0.1	2185	U	NEW-ASB	Cement	Chrysotile

The in-house procedure SOP2185 is in accordance with the requirements of Appendix 2 of the Analyst Guide (HSG 248).

The results relate only to items tested as supplied by the client.

Comments and interpretations are beyond the scope of UKAS accreditation.

Samples associated with asbestos in building surveys are retained for six months (HSG 264 refers)

Test Methods

SOP	Title	Parameters included	Method summary
2185	Asbestos	Asbestos	Polarised light microscopy
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 22-25607-1
Initial Date of Issue: 11-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 07-Jul-2022

Order No.: **Date Instructed:** 07-Jul-2022

No. of Samples: 13

Turnaround (Wkdays): 3 **Results Due:** 11-Jul-2022

Date Approved: 11-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607
Quotation No.:	Chemtest Sample ID.:		1463298	1463299	1463300	1463301	1463302	1463303	1463304	1463305	1463306	1463306	1463306
	Sample Location:		B4/TP01	B4/TP01	B4/TP01	B4/TP05	B4/TP05	B3/TP04	B3/TP04	B3/TP01	B3/TP01	B3/TP01	B3/TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.20	0.50	2.50	0.20	1.30	0.20	1.30	0.20	0.70	0.70	0.70
	Bottom Depth (m):		0.50	1.70	2.90	0.50	2.30	1.20	2.30	0.50	1.50	1.50	1.50
	Date Sampled:		05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	58	24	23	16	20	17	23	19	22
Soil Colour	N	2040		N/A	Brown	White	White	Beige	White	Brown	White	Beige	White
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Chalk	Sand	Chalk	Sand	Chalk	Sand	Chalk
pH	M	2010		4.0	9.1	9.4	9.4	11.0	10.2	9.0	9.6	10.0	9.6
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.92	< 0.40	< 0.40	< 0.40	< 0.40	1.7	< 0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.19	0.026	0.014	0.13	0.039	0.53	0.029	0.040	0.012
Cyanide (Total)	M	2300	mg/kg	0.50	1.3	< 0.50	0.70	0.70	0.60	0.90	< 0.50	0.70	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	4.4	4.3	4.4	4.4	4.5	3.8	3.9	3.8	3.9
Arsenic	M	2455	mg/kg	0.5	10	0.5	< 0.5	4.5	< 0.5	4.4	< 0.5	1.9	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.54	< 0.10	< 0.10	0.25	0.11	0.58	0.17	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	14	1.0	0.6	12	1.1	11	0.9	1.7	0.6
Copper	M	2455	mg/kg	0.50	32	1.5	1.1	27	2.6	18	1.1	2.3	0.56
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	17	1.2	0.89	11	2.4	8.1	1.9	2.3	0.72
Lead	M	2455	mg/kg	0.50	97	2.2	0.91	18	5.0	55	3.6	6.9	0.86
Selenium	M	2455	mg/kg	0.25	0.50	0.26	< 0.25	0.34	< 0.25	0.37	< 0.25	0.27	< 0.25
Vanadium	U	2455	mg/kg	0.5	56	2.1	1.0	13	1.6	16	1.0	3.3	0.7
Zinc	M	2455	mg/kg	0.50	110	6.6	5.6	58	11	170	7.2	12	4.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	5.5	5.2	5.3	3.0	4.0	4.6	4.8	1.9	2.5
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	28	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	210	< 1.0	< 1.0	< 1.0	35	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	640	< 1.0	< 1.0	< 1.0	600	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	920	< 5.0	< 5.0	< 5.0	680	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607	22-25607
Quotation No.:	Chemtest Sample ID.:		1463298	1463299	1463300	1463301	1463302	1463303	1463304	1463305	1463306	
	Sample Location:		B4/TP01	B4/TP01	B4/TP01	B4/TP05	B4/TP05	B3/TP04	B3/TP04	B3/TP01	B3/TP01	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.20	0.50	2.50	0.20	1.30	0.20	1.30	0.20	0.70	
	Bottom Depth (m):		0.50	1.70	2.90	0.50	2.30	1.20	2.30	0.50	1.50	
	Date Sampled:		05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022	
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	
Determinand	Accred.	SOP	Units	LOD								
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	250	< 1.0	< 1.0	< 1.0	89	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	630	< 1.0	< 1.0	< 1.0	190	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	5000	< 1.0	< 1.0	< 1.0	4200	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	5900	< 5.0	< 5.0	< 5.0	4500	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	6800	< 10	< 10	< 10	5100	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.53	< 0.10	0.94	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	1.3	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	< 0.10

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-25607	22-25607	22-25607	22-25607
Quotation No.:	Chemtest Sample ID.:				1463307	1463308	1463309	1463310
	Sample Location:				B2/TP04	B2/TP04	B2/TP01	B2/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.80	0.20	0.70
	Bottom Depth (m):				0.70	1.50	0.60	1.50
	Date Sampled:				05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	20	23	20	20
Soil Colour	N	2040		N/A	Beige	White	Beige	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Chalk	Chalk	Chalk	Chalk
pH	M	2010		4.0	9.5	9.3	9.5	9.2
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.49	< 0.40	< 0.40	0.44
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.013	< 0.010	< 0.010	0.012
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	3.8	3.7	3.7	1.5
Arsenic	M	2455	mg/kg	0.5	0.7	< 0.5	< 0.5	0.6
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	1.6	< 0.5	< 0.5	1.8
Copper	M	2455	mg/kg	0.50	1.6	< 0.50	1.3	5.6
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	1.6	< 0.50	0.69	1.9
Lead	M	2455	mg/kg	0.50	2.6	< 0.50	2.9	5.1
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.0	< 0.5	< 0.5	2.0
Zinc	M	2455	mg/kg	0.50	7.0	1.8	4.6	13
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.56	1.3	0.90	0.38
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-25607	22-25607	22-25607	22-25607
Quotation No.:	Chemtest Sample ID.:				1463307	1463308	1463309	1463310
	Sample Location:				B2/TP04	B2/TP04	B2/TP01	B2/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	0.80	0.20	0.70
	Bottom Depth (m):				0.70	1.50	0.60	1.50
	Date Sampled:				05-Jul-2022	05-Jul-2022	05-Jul-2022	05-Jul-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD				
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 22-26016-1
Initial Date of Issue: 13-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 11-Jul-2022

Order No.: **Date Instructed:** 11-Jul-2022

No. of Samples: 6

Turnaround (Wkdays): 3 **Results Due:** 13-Jul-2022

Date Approved: 13-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-26016	22-26016	22-26016	22-26016	22-26016	22-26016
Quotation No.:	Chemtest Sample ID.:				1465146	1465147	1465148	1465149	1465150	1465151
	Client Sample ID.:				MG	N	MG	N	MG	N
	Sample Location:				C3/TP05	C3/TP05	C3/TP04	C3/TP04	A4/TP02	A4/TP02
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.15	0.70	0.10	0.50	0.10	0.60
	Bottom Depth (m):				0.60	1.70	0.40	1.50	0.40	1.60
	Date Sampled:				07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD						
ACM Type	U	2192		N/A	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	13	17	8.9	18	17	18
Soil Colour	N	2040		N/A	Brown	Beige	Brown	White	Brown	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Chalk	Sand	Sand
pH	M	2010		4.0	7.8	8.0	9.1	8.8	9.1	8.6
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.69	< 0.40	0.48	< 0.40	0.79	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.053	0.011	0.27	0.031	0.077	0.012
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	0.83	0.79	1.8	< 0.50	< 0.50	0.71
Arsenic	M	2455	mg/kg	0.5	2.7	0.8	3.4	0.5	1.1	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.13	< 0.10	0.12	< 0.10	0.33	< 0.10
Chromium	M	2455	mg/kg	0.5	4.7	1.5	5.5	1.2	2.3	0.7
Copper	M	2455	mg/kg	0.50	4.0	1.5	12	3.0	2.3	0.59
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	4.8	2.3	5.0	1.2	1.9	0.63
Lead	M	2455	mg/kg	0.50	7.1	1.5	13	2.6	9.6	0.90
Selenium	M	2455	mg/kg	0.25	0.34	< 0.25	0.42	0.25	0.37	0.28
Vanadium	U	2455	mg/kg	0.5	8.2	2.4	8.5	1.7	3.2	0.8
Zinc	M	2455	mg/kg	0.50	21	6.0	38	8.3	18	3.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	1.4	0.43	2.3	1.1	0.65	1.2
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-26016	22-26016	22-26016	22-26016	22-26016	22-26016
Quotation No.:	Chemtest Sample ID.:				1465146	1465147	1465148	1465149	1465150	1465151
	Client Sample ID.:				MG	N	MG	N	MG	N
	Sample Location:				C3/TP05	C3/TP05	C3/TP04	C3/TP04	A4/TP02	A4/TP02
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.15	0.70	0.10	0.50	0.10	0.60
	Bottom Depth (m):				0.60	1.70	0.40	1.50	0.40	1.60
	Date Sampled:				07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022	07-Jul-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD						
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.31	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.31	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.2	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	8.5	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	9.1	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	9.0	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	4.4	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	4.5	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	4.2	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.5	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.2	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.78	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	55	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

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U/S	Unsuitable Sample
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<	"less than"
>	"greater than"
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LOD	Limit of detection

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The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

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All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

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Sample Deviation Codes

- A - Date of sampling not supplied
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- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 22-26893-1
Initial Date of Issue: 20-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 15-Jul-2022

Order No.: **Date Instructed:** 15-Jul-2022

No. of Samples: 8

Turnaround (Wkdays): 3 **Results Due:** 19-Jul-2022

Date Approved: 20-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893
Quotation No.:	Chemtest Sample ID.:				1469096	1469097	1469098	1469099	1469100	1469101	1469102	1469103
Order No.:	Client Sample Ref.:				A2/TP02	A2/TP02	B6/TP03	B6/TP03	B6/TP02	B6/TP02	B5/TP03	B5/TP03
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.10	0.80	0.30	0.80	0.30	0.70	0.30	0.80
	Bottom Depth (m):				0.60	1.20	0.60	1.75	0.60	1.40	0.55	1.50
	Date Sampled:				13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	15	20	14	19	12	18	11	19
Soil Colour	N	2040		N/A	Brown	White	Beige	Beige	Brown	Beige	Beige	Beige
Other Material	N	2040		N/A	Roots and Stones	Stones	Stones	Stones	None	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Sand	Sand	Sand	Sand
pH	M	2010		4.0	8.1	7.8	11.9	10.9	11.7	11.2	11.6	10.8
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.8	0.50	< 0.40	< 0.40	0.47	< 0.40	0.45	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.36	0.14	0.14	0.040	0.20	0.10	0.15	0.053
Cyanide (Total)	M	2300	mg/kg	0.50	1.8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	1.3	0.73	0.93	0.80	1.2	16	0.71	1.3
Arsenic	M	2455	mg/kg	0.5	6.8	< 0.5	2.8	< 0.5	3.2	0.8	3.5	0.9
Cadmium	M	2455	mg/kg	0.10	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	9.0	1.4	3.5	1.0	3.9	3.0	6.3	1.9
Copper	M	2455	mg/kg	0.50	53	2.5	4.7	1.7	9.7	3.3	11	62
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	31	2.1	3.8	2.1	4.1	2.6	5.9	2.6
Lead	M	2455	mg/kg	0.50	53	4.1	2.4	1.1	9.3	2.5	4.4	3.6
Selenium	M	2455	mg/kg	0.25	0.72	0.29	< 0.25	< 0.25	< 0.25	0.25	0.31	< 0.25
Vanadium	U	2455	mg/kg	0.5	21	1.9	6.7	1.4	5.8	2.2	9.4	2.4
Zinc	M	2455	mg/kg	0.50	110	9.6	14	7.3	24	8.3	32	19
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	6.1	1.2	2.0	2.6	1.0	2.6	2.1	3.1
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893	22-26893
Quotation No.:	Chemtest Sample ID.:		1469096	1469097	1469098	1469099	1469100	1469101	1469102	1469103		
Order No.:	Client Sample Ref.:		A2/TP02	A2/TP02	B6/TP03	B6/TP03	B6/TP02	B6/TP02	B5/TP03	B5/TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.10	0.80	0.30	0.80	0.30	0.70	0.30	0.80		
	Bottom Depth (m):		0.60	1.20	0.60	1.75	0.60	1.40	0.55	1.50		
	Date Sampled:		13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022		
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB		
Determinand	Accred.	SOP	Units	LOD								
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	260	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	260	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	0.63	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	0.37	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	1.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	0.89	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	9.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	3.1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	18	0.16	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	18	0.20	0.19	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	8.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	7.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	9.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	3.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	7.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	2.3	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	5.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	99	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 22-27030-1
Initial Date of Issue: 21-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 18-Jul-2022

Order No.: **Date Instructed:** 18-Jul-2022

No. of Samples: 14

Turnaround (Wkdays): 3 **Results Due:** 20-Jul-2022

Date Approved: 21-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030
Quotation No.:	Chemtest Sample ID.:				1469796	1469797	1469798	1469799	1469800	1469801	1469802	1469803	1469804
Order No.:	Client Sample Ref.:				B6/TP04	B6/TP04	B6/TP05	B6/TP05	B6/TP01	B6/TP01	B5/TP04	B5/TP04	B5/TP05
	Client Sample ID.:				MG	N	MG	N	MG	N	MG	N	MG
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.25	0.75	0.20	0.50	0.05	0.70	0.20	1.50	0.30
	Bottom Depth (m):				0.75	1.50	0.45	1.35	0.70	1.40	1.20	2.30	1.30
	Date Sampled:				14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	13	15	11	16	13	19	14	21	16
Soil Colour	N	2040		N/A	Beige	White	Brown	White	Brown	White	Brown	White	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Sand	Chalk	Sand	Chalk	Sand
pH	M	2010		4.0	9.3	9.0	10.7	10.0	9.4	9.1	8.6	8.5	9.5
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.2	0.50	0.56	0.47	1.1	0.45	0.68	< 0.40	0.63
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.16	0.045	0.11	0.013	0.23	0.036	0.84	0.040	0.14
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	2.2	< 0.5	2.6	0.8	2.9	0.6	1.7	< 0.5	5.5
Cadmium	M	2455	mg/kg	0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	5.1	2.1	3.9	1.7	6.5	1.5	5.1	1.9	2.7
Copper	M	2455	mg/kg	0.50	34	5.3	3.0	3.2	12	2.3	12	2.5	38
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.06
Nickel	M	2455	mg/kg	0.50	5.0	2.0	4.0	2.5	6.3	2.2	3.9	1.7	3.6
Lead	M	2455	mg/kg	0.50	16	3.3	2.1	1.9	21	2.6	26	2.4	26
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	7.1	1.4	8.4	2.1	9.7	2.6	6.2	2.2	3.9
Zinc	M	2455	mg/kg	0.50	41	13	9.7	8.7	71	11	69	9.3	58
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.61	0.60	3.4	0.30	1.0	1.0	2.4	2.1	0.48
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030	22-27030
Quotation No.:	Chemtest Sample ID.:		1469796	1469797	1469798	1469799	1469800	1469801	1469802	1469803	1469804	1469804
Order No.:	Client Sample Ref.:		B6/TP04	B6/TP04	B6/TP05	B6/TP05	B6/TP01	B6/TP01	B5/TP04	B5/TP04	B5/TP05	B5/TP05
	Client Sample ID.:		MG	N	MG	N	MG	N	MG	N	MG	MG
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.25	0.75	0.20	0.50	0.05	0.70	0.20	1.50	0.30	0.30
	Bottom Depth (m):		0.75	1.50	0.45	1.35	0.70	1.40	1.20	2.30	1.30	1.30
	Date Sampled:		14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	0.68
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.13	< 0.10	< 0.10	< 0.10	0.25
Fluoranthene	M	2700	mg/kg	0.10	0.26	< 0.10	0.21	< 0.10	0.67	< 0.10	0.63	< 0.10
Pyrene	M	2700	mg/kg	0.10	0.32	< 0.10	0.29	< 0.10	0.75	< 0.10	0.86	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.62	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.91	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.2	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-27030	22-27030	22-27030	22-27030	22-27030
Quotation No.:	Chemtest Sample ID.:				1469805	1469806	1469807	1469808	1469809
Order No.:	Client Sample Ref.:				B5/TP05	B5/TP01	B5/TP01	B5/TP02	B5/TP02
	Client Sample ID.:				N	MG	N		N
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				1.70	0.20	2.00	0.00	1.00
	Bottom Depth (m):				2.40	1.40	2.70	0.50	1.65
	Date Sampled:				14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD					
ACM Type	U	2192		N/A	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	21	8.7	11	11	11
Soil Colour	N	2040		N/A	Beige	Brown	Beige	White	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Chalk	Chalk	Chalk
pH	M	2010		4.0	9.4	11.0	9.9	9.5	9.4
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.43	0.46	0.44	0.94	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.039	0.079	0.035	0.17	0.028
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	0.6	7.7	< 0.5	< 0.5	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.21
Chromium	M	2455	mg/kg	0.5	1.7	17	< 0.5	< 0.5	0.5
Copper	M	2455	mg/kg	0.50	4.3	8.2	0.83	0.75	1.3
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	3.0	8.3	0.52	< 0.50	0.77
Lead	M	2455	mg/kg	0.50	1.4	7.1	< 0.50	0.51	1.1
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.3	27	< 0.5	< 0.5	0.6
Zinc	M	2455	mg/kg	0.50	9.4	30	2.9	5.0	240
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	3.0	0.64	0.92	< 0.20	< 0.20
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

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	Client Sample ID.:		N	MG	N		N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		1.70	0.20	2.00	0.00	1.00
	Bottom Depth (m):		2.40	1.40	2.70	0.50	1.65
	Date Sampled:		14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	0.20	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	0.23	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2325	Sulphide in Soils	Sulphide	Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N-dimethyl-p-phenylenediamine.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.: 22-27034-1
Initial Date of Issue: 20-Jul-2022
Client AA Environmental Ltd

Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX

Contact(s): Reporting

Project 223159 Saunderton

Quotation No.: **Date Received:** 18-Jul-2022

Order No.: **Date Instructed:** 18-Jul-2022

No. of Samples: 2

Turnaround (Wkdays): 3 **Results Due:** 20-Jul-2022

Date Approved: 20-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager
