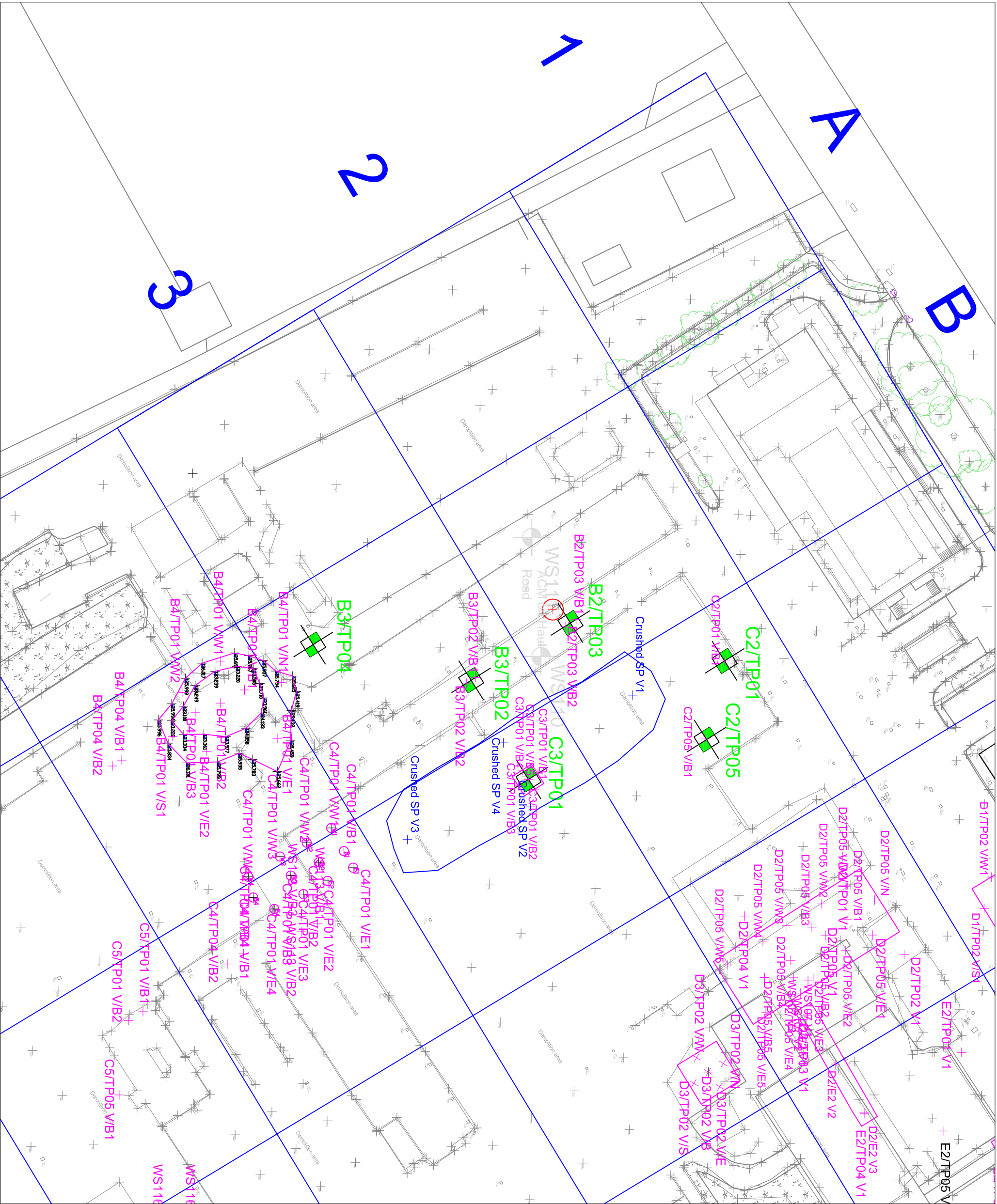




Rev.	Details	Drawn	Date
		Chkd.	

Project	223159
Saunderton	

Title	Validation Plan - Area D
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Scale	Date	Drawn	Chkd.	Dwg. No.	Rev.
1:800(A3)	Sep 22	CAL	ML	223159/D/D	



Trial Pit Log

TrialPit No
A2/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)

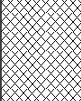
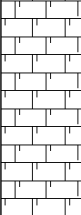
Dimensions (m): 3.00

Depth
1.20

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 - 0.60	ES		0.10			CONCRETE.	
				0.40			Dark grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, brick, and flint. Gravels are fine to coarse, angular to sub-angular concrete, brick, flint, slag, and chalk. Sand is fine to coarse. Occasional rootlet throughout (MADE GROUND).	
				0.60			Brown, slightly cobbly, gravelly SAND. Cobbles of angular to sub-angular brick. Gravels are fine to coarse, angular to sub-angular of brick, flint, and chalk. Sand is fine to coarse (MADE GROUND).	
	0.80 - 1.20	ES					Light, whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sparse flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.20			End of Pit at 1.20m	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
A2/TP03
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

Scale
1:20

Client: Avalon/Ramboll

Depth
1.60

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.60	ES		0.20			CONCRETE.	
				0.40			Black, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular of concrete, brick, slag, and flint. Sand is fine to coarse (MADE GROUND).	
				0.60			Dark brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular of brick, flint, and chalk. Sand is fine to coarse (MADE GROUND).	
	0.80 - 1.60	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 and occasional flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.60			End of Pit at 1.60m	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
A2/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480628.02 - 198488.04
Level: 134.19

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
1.60

0.60

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.35	ES					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. Fragments of suspected ACM (MADE GROUND).
	0.35 - 1.60	ES		0.35	133.84		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).
				1.60	132.59		End of Pit at 1.60m

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





Trial Pit Log

TrialPit No
A3/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480641.71 - 198467.93
Level: 133.15

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
1.00

0.60

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.00	ES		1.00	132.15		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).	1
							End of Pit at 1.00m	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. 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
A3/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)

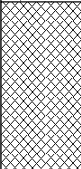
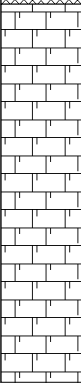
Dimensions (m): 2.50

Depth
1.60

1.50

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15 - 0.60	ES		0.15			CONCRETE.	
							Dark, blackish-grey, slightly bouldery, cobbly, gravelly SAND. Sporadic 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, clinker, chalk, flint and sporadic chalk. Sand is fine to coarse (MADE GROUND).	
				0.60			Light, brownish-grey, cobbly, gravelly SAND. 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).	1
	1.00 - 1.60	ES		1.60			End of Pit at 1.60m	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
A3/TP03
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): 2.50

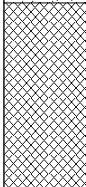
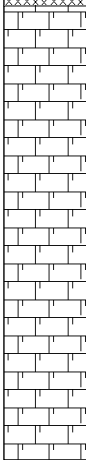
Depth
1.90

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 - 0.70	ES		0.20			CONCRETE.	
				0.70			Grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse, angular to sub-angular concrete, brick, slag, chalk, and flint. Sand is fine to coarse. Occasional rootlet and glass throughout (MADE GROUND).	
	1.00 - 1.90	ES		1.90			Whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
							End of Pit at 1.90m	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
A3/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: 480654.00 - 198446.24
Level: 133.75

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
0.65

0.60

Logged
TRE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.65	ES		0.65	133.10		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 0.65m

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
A3/TP05
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

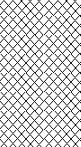
Scale
1:20

Client: Avalon/Ramboll

Depth
1.60

1.00

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.60	ES		0.20			CONCRETE.	
				0.60			Greyish-brown, cobbly, gravelly SAND. Cobbles are angular to sub-angular of concrete. Gravels are fine to coarse, angular to sub-angular of concrete, brick, chalk, and flint. Sand is fine to coarse. Occasional rootlets throughout (MADE GROUND).	
	1.00 - 1.60	ES		1.60			Light, brownish-grey, cobbly, gravelly SAND. 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).	1
							End of Pit at 1.60m	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
B2/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)

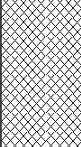
Dimensions (m): 2.50

Depth
1.50

1.00

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.60	ES		0.20			CONCRETE.	
							Whitish-brown, slightly cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, chalk, and flint. Gravels are fine to coarse, angular to sub-angular chalk and flint. Sand is fine to coarse. Potentially reworked chalk (MADE GROUND).	
	0.70 - 1.50	ES		0.60			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).	1
				1.50			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
B2/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): 2.00

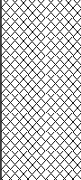
Scale
1:20

Client: Avalon/Ramboll

Depth
2.00

1.00

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.70	ES		0.20			CONCRETE.	
				0.70			Dark grey and black, 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 brick. Sand is fine to coarse (MADE GROUND).	
	1.00 - 2.00	ES		2.00			Light, whitish-grey, cobbly, gravelly SAND. 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).	1
							End of Pit at 2.00m	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
B2/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): 2.50

Depth
2.10

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.	
				0.70			Dark 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 (MADE GROUND).	1
							Light, whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular chalk and brick. Gravels are fine to coarse, angular to sub-angular of chalk and occasional flint and brick. Sand is fine to coarse (MADE GROUND).	
	1.50 - 2.10	ES		1.50			Light, whitish-brown, cobbly, gravelly SAND. 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
				2.10			End of Pit at 2.10m	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
B2/TP04
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): 2.50

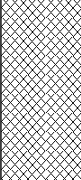
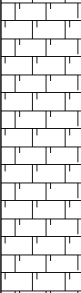
Depth
1.50

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					
	0.20 - 0.70	ES		0.20			CONCRETE.	
							Whitish-brown, slightly cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, chalk, and flint. Gravels are fine to coarse, angular to sub-angular chalk and flint. Sand is fine to coarse. Potentially reworked chalk (MADE GROUND).	
	0.80 - 1.50	ES		0.70			Brownish-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).	1
				1.50			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
B2/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.00

1.50

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.70	ES		0.30			CONCRETE.	
				0.50			Light, brownish-grey, cobbly, gravelly SAND. 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).	
				0.70			Light, whitish-grey, gravelly SAND. Gravels are fine to coarse, angular to sub-angular of chalk, flint, and sporadic grains of brick. Sand is fine to coarse. Potentially reworked. (MADE GROUND).	
	1.00 - 2.00	ES					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)	1
				2.00			End of Pit at 2.00m	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
B3/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):

2.00

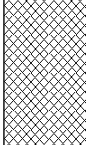
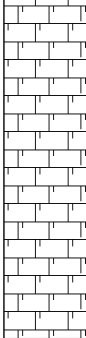
Scale
1:20

Client: Avalon/Ramboll

Depth
1.50

1.00

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	
							Whitish-brown, slightly cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete, chalk, and flint. Gravels are fine to coarse, angular to sub-angular chalk and flint. Sand is fine to coarse. Potentially reworked chalk (MADE GROUND).	
	0.70 - 1.50	ES		0.60			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).	1
				1.50			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
B3/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): 2.50

Scale
1:20

Client: Avalon/Ramboll

Depth
1.70

1.50

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.80	ES		0.20			CONCRETE.	
				0.55			Light brown and 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, and flint. Sand is fine to coarse. Suspected cement ACM fragment (AS33) (MADE GROUND).	
				0.80			Light whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse. Clay drainage pipe encountered (MADE GROUND).	
	1.00 - 1.70	ES					Light whitish-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
				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. Suspected ACM fragment (AS33) encountered between 0.20 - 0.55 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
B3/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): 2.50

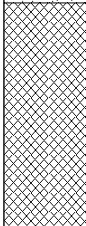
Depth
1.90

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 - 0.80	ES		0.20			CONCRETE.	
				0.80			Light brown and greyish-brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular concrete and 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. Metal drainage pipes and electric wires encountered (MADE GROUND).	
	1.00 - 1.90	ES		1.90			Light, whitish 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
							End of Pit at 1.90m	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
B3/TP04
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

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.	
	1.30 - 2.30	ES		1.30			Whitish-organish brown, bouldery, cobbly, gravelly SAND. Boulders of angular to sub-angular brick and concrete. Cobbles of angular to sub-angular brick and concrete. Gravels are fine to coarse, angular to sub-angular concrete, brick and flint. Sand is fine to coarse. Brick ducts evident between 0.50 and 1.00 m BGL. Suspected cement ACM fragment AS28 (MADE GROUND).	1
				2.30			Whitish-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
							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 (AS28) encountered at 0.20 - 0.50 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
B3/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

Dimensions (m): 2.00

Depth
1.30

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				
	0.10 - 0.30	ES		0.10			CONCRETE.
	0.30 - 1.30	ES		0.30			Light, brownish-grey, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and brick. Gravels are fine to coarse of concrete, brick, chalk and flint. Sand is fine to coarse (MADE GROUND).
							Light, white mottled 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. 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
C2/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

Dimensions (m):

2.00

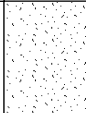
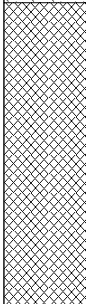
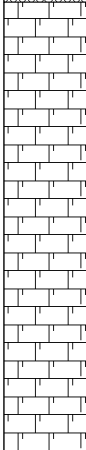
Scale
1:20

Client: Avalon/Ramboll

Depth
2.30

1.00

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 1.00	ES		0.30			CONCRETE.	
							Brown, cobbly, sandy GRAVEL. Cobbles are angular to sub-angular of concrete, flint, and brick. Sand is fine to coarse. Gravels are fine to coarse, angular to sub-angular of concrete, flint, and brick (MADE GROUND).	1
	1.30 - 2.30	ES		1.10			Brownish-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).	2
				2.30			End of Pit at 2.30m	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
C2/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
09/06/2022

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

Dimensions (m): 3.00

Depth
1.45

1.00

Scale
1:20

Logged
TRE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.70			Greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular brick, concrete and flint. Gravels are fine to coarse, angular to sub-angular of brick, concrete and flint. Sand is fine to coarse. Occasional rootlets, plastic debris, wood fragments and steel bar throughout (MADE GROUND).	
				0.80			CONCRETE.	
				1.45			White, 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 1.45m	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
C2/TP03
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/06/2022

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

Dimensions (m): 2.00

Scale
1:20

Client: Avalon/Ramboll

Depth
2.20

0.80

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.00 - 1.00	ES		0.45			Light brownish-grey, cobbly, gravelly, slightly clayey SAND. Cobbles of sub-angular chalk and sporadic brick. Gravels are fine to coarse of angular to sub-angular of chalk, brick and flint. Sand is fine to coarse (MADE GROUND).	
				1.00			Mid-brown, slightly gravelly, slightly clayey, SAND. Gravels are fine to coarse, sub-angular of chalk and sporadic brick. Sand is fine to coarse (MADE GROUND).	
	1.20 - 1.90	ES		1.90			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
				2.20			Light, whitish-brown, 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).	2
							End of Pit at 2.20m	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
C2/TP04
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

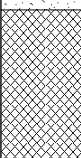
Dimensions (m): 2.50

Depth
1.70

1.50

Scale
1:20

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20 - 0.60	ES		0.20			CONCRETE.	
							Light brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular concrete and flint. Gravels are fine to coarse, angular to sub-angular of concrete, flint, and chalk. Sand is fine to coarse (MADE GROUND).	
	0.70 - 1.70	ES		0.60			Light, white mottled brownish-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).	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
C2/TP05
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

Dimensions (m): 2.50

Depth
2.50

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					
	0.20 - 1.20	ES		0.20			CONCRETE.	
	1.80 - 2.50	ES		1.60			Brown, cobbly, gravelly SAND. Cobbles are angular to sub-angular of concrete, brick, and flint. Gravels are fine to coarse, angular to sub-angular of concrete, brick and flint. Sand is fine to coarse. Suspected cement ACM fragment AS27 (MADE GROUND).	1
				2.50			Brownish-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).	2
							End of Pit at 2.50m	3
								4

Remarks: Trial pit was constructed by a tracked 360 excavator. No groundwater was encountered. Suspected ACM fragment encountered between 0.20 - 1.60 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
C3/TP01
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
30/06/2022

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

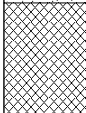
Dimensions (m): 2.00

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					
	0.20 - 0.50	ES		0.20			CONCRETE.	
				0.50			White, grey, and dark grey mottled 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, flint and chalk. Sand is fine to coarse (MADE GROUND).	
	0.60 - 1.20	ES					Light, 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)	
				1.20			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

TrialPit No
C3/TP02
Sheet 1 of 1

Project Name: Saunderton Data Centre

Project No.
223159

Co-ords: -
Level:

Date
14/06/2022

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

Dimensions (m): 2.50

Depth
1.40

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			Brownish-grey, slightly cobbly, gravelly SAND. Cobbles of sub-angular brick and sporadic chalk. Gravels are fine to coarse, angular to sub-angular of brick, chalk and flint. Sand is fine to coarse (MADE GROUND).	
							Light brown, cobbly, gravelly SAND. Cobbles of sub-angular sporadic chalk. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic brick. Sand is fine to coarse (MADE GROUND).	
	0.70 - 1.10	ES		0.70			Light, brownish-grey, 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
				1.10			Light, whitish-brown, 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).	
				1.40			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
C3/TP03
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)

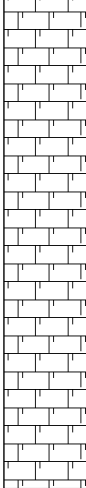
Dimensions (m): 1.50

Depth
1.50

Scale
1:20

Logged
KE

Client: Avalon/Ramboll

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.00 - 0.20	ES		0.20			Brownish-grey, cobbly, gravelly SAND. Cobbles of sub-angular chalk and sporadic brick. Gravels are fine to coarse, angular to sub-angular of chalk and sporadic brick. Sand is fine to coarse (MADE GROUND). Light, brownish-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).
	1.00 - 1.50	ES		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.





Trial Pit Log

TrialPit No
C3/TP04
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):

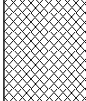
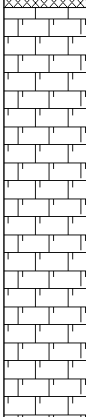
2.00

Depth
1.50

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 brown and 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, chalk, and flint. Sand is fine to coarse (MADE GROUND).
	0.50 - 1.50	ES		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 and sporadic flint. 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
C3/TP05
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

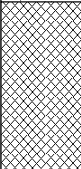
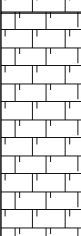
Scale
1:20

Client: Avalon/Ramboll

Depth
1.70

1.00

Logged
KE

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15 - 0.60	ES		0.15			Reinforced CONCRETE.	
							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, flint, and sporadic flint. Sand is fine to coarse (MADE GROUND).	
	0.70 - 1.70	ES		0.60			Whitish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk and flint. Sand is fine to coarse (NEW PIT CHALK FORMATION).	1
				1.10			Greyish-brown, cobbly, gravelly SAND. Cobbles of angular to sub-angular of chalk. Gravels are fine to coarse, angular to sub-angular of chalk. Sand is fine to coarse (NEW PIT CHALK FORMATION).	
				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.





Comment Trial pit A2/TP02, excavated to 1.20 m Below Ground Level (m BGL).	Project 223159 - Saunderton
	Photo Plate 1
	Date 13/07/2022
	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 A2/TP02 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	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 A2/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	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 A2/TP03, excavated to 1.60 m BGL.

Project

223159 – Saunderton

Photo Plate

19

Date

07/07/2022

Originator

Kieran Evans



AA Environmental Limited

Units 4-8 Cholswell Court

Shippon, Abingdon

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Comment A2/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 20
	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 A2/TP03 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 21
	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

Location of trial pit A2/TP04.

Project

223159 – Saunderton

Photo Plate

13

Date

12/08/2022

Originator

Tomos Eaves



AA Environmental Limited

Units 4-8 Cholswell Court
Shippon, Abingdon
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Comment

Trial pit A2/TP04, excavated to 1.60 m BGL.

Project

223159 – Saunderton

Photo Plate

14

Date

12/08/2022

Originator

Tomos Eaves



AA Environmental Limited

Units 4-8 Cholswell Court
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Comment A2/TP04, Made Ground arisings (right) and natural arisings (left).	Project 223159 – Saunderton
	Photo Plate 15
	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

Fragment of suspected ACM encountered in Made Ground of A2/TP04.

Project

223159 – Saunderton

Photo Plate

16

Date

12/08/2022

Originator

Tomos Eaves



AA Environmental Limited

Units 4-8 Cholswell Court
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Comment

Trial pit A3/TP01, excavated to 1.00 m BGL.

Project

223159 – Saunderton

Photo Plate

23

Date

12/08/2022

Originator

Tomos Eaves



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Comment A3/TP01 natural arisings.	Project 223159 – Saunderton
	Photo Plate 24
	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 A3/TP02, excavated to 1.60 m BGL.	Project 223159 – Saunderton
	Photo Plate 16
	Date 07/07/2022
	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

A3/TP02 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

17

Date

07/07/2022

Originator

Kieran Evans



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Comment

A3/TP02 Natural arisings.

Project

223159 – Saunderton

Photo Plate

18

Date

07/07/2022

Originator

Kieran Evans



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Comment

Trial pit A3/TP03, excavated to 1.90 m BGL.

Project

223159 – Saunderton

Photo Plate

10

Date

07/07/2022

Originator

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Comment A3/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 11
	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 A3/TP03 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 12
	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 A3/TP04, excavated to 0.65 m BGL.

Project

223159 – Saunderton

Photo Plate

21

Date

12/08/2022

Originator

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Comment A3/TP04 natural arisings.	Project 223159 – Saunderton
	Photo Plate 22
	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 A3/TP05, excavated to 1.60 m BGL.	Project 223159 – Saunderton
	Photo Plate 13
	Date 07/07/2022
	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 A3/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 14
	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 A3/TP05 natural arisings.	Project 223159 – Saunderton
	Photo Plate 15
	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 B2/TP01, excavated to 1.50 m BGL.

Project

223159 – Saunderton

Photo Plate

15

Date

05/07/2022

Originator

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Comment

B2/TP01 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

16

Date

05/07/2022

Originator

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Comment B2/TP01 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 17
	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 B2/TP02, excavated to 2.00 m BGL.	Project 223159 – Saunderton
	Photo Plate 24
	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

B2/TP02 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

25

Date

20/07/2022

Originator

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Comment

B2/TP02 Natural arisings.

Project

223159 – Saunderton

Photo Plate

26

Date

20/07/2022

Originator

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Comment

Trial pit B2/TP03, excavated to 2.10 m BGL.

Project

223159 – Saunderton

Photo Plate

21

Date

20/07/2022

Originator

Kieran Evans



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Comment B2/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 22
	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

B2/TP03 Natural arisings.

Project

223159 – Saunderton

Photo Plate

23

Date

20/07/2022

Originator

Kieran Evans



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Comment Trial pit B2/TP04, excavated to 1.50 m BGL.	Project 223159 – Saunderton
	Photo Plate 12
	Date 05/07/2022
	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

B2/TP04 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

13

Date

05/07/2022

Originator

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Comment B2/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 14
	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 B2/TP05, excavated to 2.00 m BGL	Project 223159 – Saunderton
	Photo Plate 15
	Date 30/06/2022
	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 B2/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 16
	Date 30/06/2022
	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 B2/TP05 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 17
	Date 30/06/2022
	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

Trial pit B3/TP02, excavated to 1.70 m BGL.

Project

223159 – Saunderton

Photo Plate

17

Date

20/07/2022

Originator

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Comment B3/TP02 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 18
	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 B3/TP02 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 19
	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
B3/TP02.

Project

223159 – Saunderton

Photo Plate

20

Date

20/07/2022

Originator

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Comment Trial pit B3/TP03, excavated to 1.90 m BGL.	Project 223159 – Saunderton
	Photo Plate 13
	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 B3/TP03 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 14
	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

B3/TP03 further Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

15

Date

20/07/2022

Originator

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Comment B3/TP03 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 16
	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

Trial pit B3/TP04, excavated to 2.30 m BGL.

Project

223159 – Saunderton

Photo Plate

8

Date

05/07/2022

Originator

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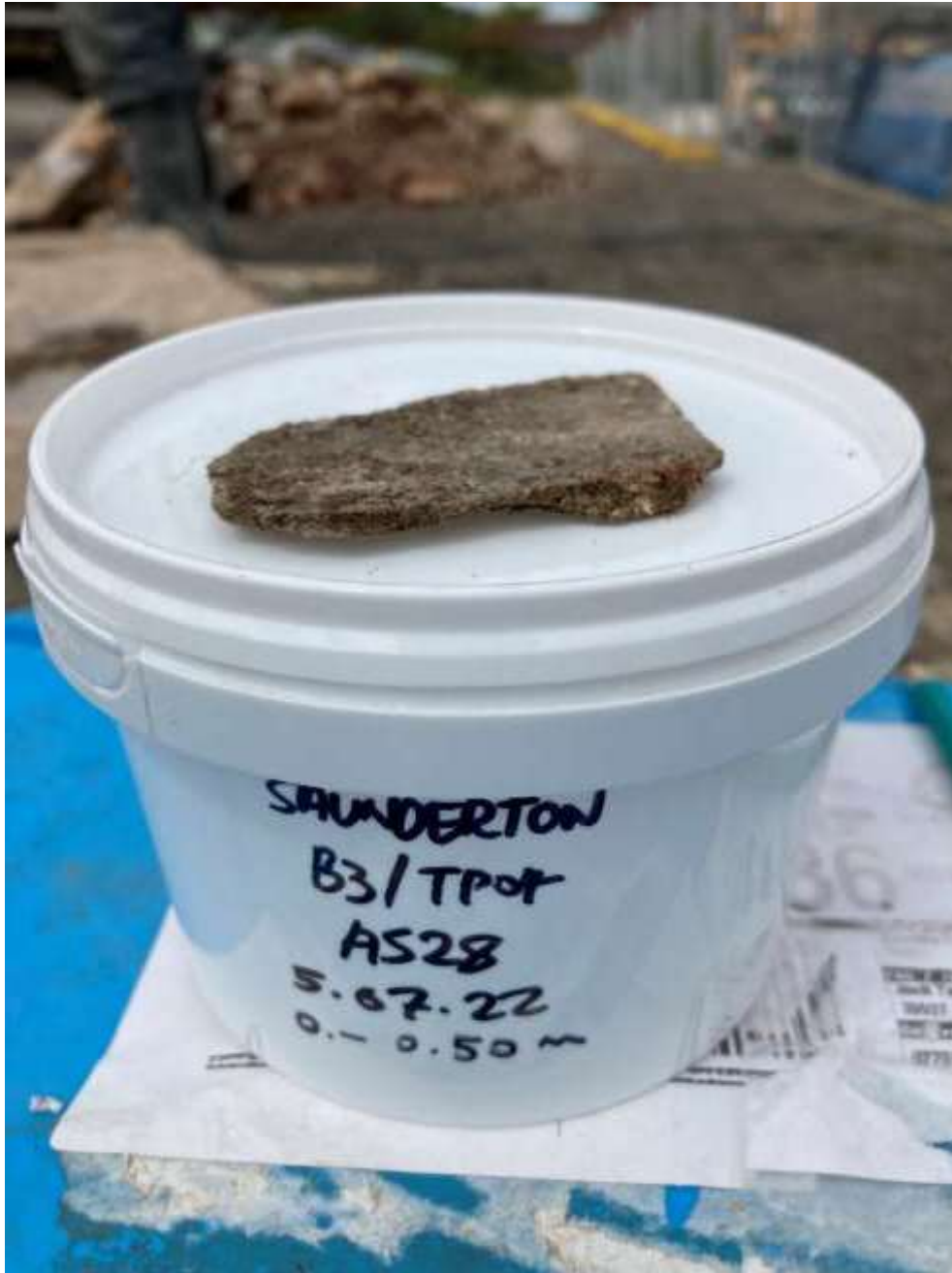
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Comment B3/TP04 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 9
	Date 05/07/2022
	Originator Kieran Evans
	 AA Environmental Limited Units 4-8 Cholswell Court Shippon, Abingdon OX13 6HX T: (01235) 536042 F: (01235) 523849 info@aae-ltd.co.uk www.aae-ltd.co.uk



Comment B3/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 10
	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

Fragment of suspected Asbestos
Containing Material encountered in trial pit
B3/TP04.

Project

223159 – Saunderton

Photo Plate

11

Date

05/07/2022

Originator

Kieran Evans



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Comment Trial pit B3/TP05, excavated to 1.30 m BGL.	Project 223159 – Saunderton
	Photo Plate 18
	Date 30/06/2022
	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

B3/TP05 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

19

Date

30/06/2022

Originator

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Comment Trial pit C2/TP01, excavated to 2.30 m Below Ground Level (m BGL).	Project 223159 - Saunderton
	Photo Plate 1
	Date 30/06/2022
	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 C2/TP01 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	Date 30/06/2022
	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 C2/TP01 natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	Date 30/06/2022
	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 C2/TP02, excavated to 1.45 m BGL.

Project

223159 – Saunderton

Photo Plate

6

Date

09/06/2022

Originator

Tomos Eaves



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Comment C2/TP02 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 7
	Date 09/06/2022
	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 C2/TP02 natural arisings.	Project 223159 – Saunderton
	Photo Plate 8
	Date 09/06/2022
	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 C2/TP03, excavated to 2.20 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

14/06/2022

Originator

Kieran Evans



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Comment C2/TP03 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	Date 14/06/2022
	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

C2/TP03 natural arisings.

Project

223159 – Saunderton

Photo Plate

3

Date

14/06/2022

Originator

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Comment C2/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 9
	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 C2/TP04, excavated to 1.70 m BGL.	Project 223159 – Saunderton
	Photo Plate 9
	Date 30/06/2022
	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

C2/TP04 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

10

Date

30/06/2022

Originator

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Comment

C2/TP04 Natural arisings.

Project

223159 – Saunderton

Photo Plate

11

Date

30/06/2022

Originator

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Comment Trial pit C2/TP05, excavated to 2.50 m BGL.	Project 223159 – Saunderton
	Photo Plate 4
	Date 30/06/2022
	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 C2/TP05 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	Date 30/06/2022
	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

C2/TP05 natural arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

30/06/2022

Originator

Kieran Evans



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Comment Fragment of suspected Asbestos Containing Material (ACM) encountered in C2/TP05.	Project 223159 – Saunderton
	Photo Plate 7
	Date 30/06/2022
	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 Further fragments of suspected Asbestos Containing Material (ACM) encountered in C2/TP05.	Project 223159 – Saunderton
	Photo Plate 8
	Date 30/06/2022
	Originator Kieran Evans
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Comment Trial pit C3/TP01, excavated to 2.00 m BGL	Project 223159 – Saunderton
	Photo Plate 12
	Date 30/06/2022
	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 C3/TP01 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 13
	Date 30/06/22
	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

C3/TP01 Natural arisings.

Project

223159 – Saunderton

Photo Plate

14

Date

30/06/2022

Originator

Kieran Evans



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Comment

Trial pit C3/TP02, excavated to 1.40 m BGL.

Project

223159 – Saunderton

Photo Plate

4

Date

14/06/2022

Originator

Kieran Evans



AA Environmental Limited

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Comment

C3/TP02 Made Ground arisings.

Project

223159 – Saunderton

Photo Plate

5

Date

14/06/2022

Originator

Kieran Evans



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Comment

C3/TP02 natural arisings.

Project

223159 – Saunderton

Photo Plate

6

Date

14/06/2022

Originator

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Comment

Trial pit C3/TP03, excavated to 1.50 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

15/06/2022

Originator

Kieran Evans

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Comment C3/TP03 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	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 C3/TP03 natural arisings.	Project 223159 – Saunderton
	Photo Plate 3
	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 Trial pit C3/TP04, excavated to 1.50 m BGL.	Project 223159 – Saunderton
	Photo Plate 4
	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 C3/TP04 Made Ground arisings.	Project 223159 – Saunderton
	Photo Plate 5
	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 C3/TP04 Natural arisings.	Project 223159 – Saunderton
	Photo Plate 6
	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 C3/TP05, excavated to 1.70 m Below Ground Level (m BGL).

Project

223159 - Saunderton

Photo Plate

1

Date

07/07/2022

Originator

Kieran Evans



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Comment C3/TP05 Made Ground arisings.	Project 223159 - Saunderton
	Photo Plate 2
	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

C3/TP05 natural arisings.

Project

223159 – Saunderton

Photo Plate

3

Date

07/07/2022

Originator

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Comment

C3/TP05 Natural arisings.

Project

223159 – Saunderton

Photo Plate

20

Date

30/06/2022

Originator

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Comment

Fragment of suspected ACM (AS16) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

10

Date

14/06/2022

Originator

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Comment

Fragment of suspected ACM (AS17) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

11

Date

14/06/22

Originator

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Comment

Fragment of suspected ACM (AS18) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

12

Date

14/06/2022

Originator

Kieran Evans



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Comment

Fragment of suspected ACM (AS18) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

13

Date

14/06/2022

Originator

Kieran Evans



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Comment Fragments of suspected ACM (AS19) encountered on ground surface.	Project 223159 – Saunderton
	Photo Plate 14
	Date 14/06/2022
	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

Fragments of suspected ACM (AS19) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

15

Date

14/06/2022

Originator

Kieran Evans



AA Environmental Limited

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Comment

Fragment of suspected ACM (AS20) encountered on ground surface.

Project

223159 – Saunderton

Photo Plate

16

Date

14/06/2022

Originator

Kieran Evans



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Amended Report

Report No.:	22-21797-2		
Initial Date of Issue:	16-Jun-2022	Date of Re-Issue:	20-Jun-2022
Client	AA Environmental Ltd		
Client Address:	Units 4 to 8 Cholswell Court Shippon Abingdon Oxfordshire OX136HX		
Contact(s):	Reporting		
Project	Saunderton - 223159		
Quotation No.:		Date Received:	13-Jun-2022
Order No.:		Date Instructed:	13-Jun-2022
No. of Samples:	11		
Turnaround (Wkdays):	4	Results Due:	16-Jun-2022
Date Approved:	16-Jun-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:				22-21797	22-21797	22-21797	22-21797	22-21797	22-21797
Quotation No.:	Chemtest Sample ID.:				1446591	1446592	1446593	1446594	1446595	1446596
	Sample Location:				D3/TP05	D3/TP05	C2/TP02	C2/TP02	E4/TP01 (SP)	E4/TP02 (SP)
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.60	0.85	0.00	0.80		
	Bottom Depth (m):				0.85	1.65	0.70	1.45		
	Date Sampled:				09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
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	9.0	20	18	22	19	13
Soil Colour	N	2040		N/A	Brown	White	Brown	White	White	Brown
Other Material	N	2040		N/A	Stones and chalk	None	Stones and chalk	None	None	Stones and chalk
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Chalk	Sand
pH	M	2010		4.0	10.5	8.9	11.2	9.3	9.1	8.8
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.79	< 0.40	0.96	< 0.40	0.58	0.95
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.045	0.052	0.054	0.048	0.037	0.10
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	2.8	1.6	2.8	1.7	1.7	1.1
Arsenic	M	2455	mg/kg	0.5	5.2	< 0.5	6.1	1.0	2.9	3.1
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Chromium	M	2455	mg/kg	0.5	18	1.2	27	3.1	16	6.1
Copper	M	2455	mg/kg	0.50	7.3	1.3	9.1	2.5	4.1	27
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	11	1.4	16	2.9	9.6	6.8
Lead	M	2455	mg/kg	0.50	9.8	1.1	8.5	2.3	4.3	18
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	22	1.6	28	3.7	17	9.7
Zinc	M	2455	mg/kg	0.50	25	5.2	22	8.4	16	53
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	0.73	4.1	1.4	0.38	0.72	0.68
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	350	370	340	330
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	35	39	37	36
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	59	51	68	63
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	20	9.4	25	13
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	53	69	33
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	460	520	540	470
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: Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-21797	22-21797	22-21797	22-21797	22-21797	22-21797
Quotation No.:	Chemtest Sample ID.:		1446591	1446592	1446593	1446594	1446595	1446596
	Sample Location:		D3/TP05	D3/TP05	C2/TP02	C2/TP02	E4/TP01 (SP)	E4/TP02 (SP)
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.60	0.85	0.00	0.80		
	Bottom Depth (m):		0.85	1.65	0.70	1.45		
	Date Sampled:		09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022
	Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
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	36	69
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	36	69
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	460	540
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.46
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.12
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.50
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.55
Phenanthrene	M	2700	mg/kg	0.10	0.89	< 0.10	0.66	5.7
Anthracene	M	2700	mg/kg	0.10	0.10	< 0.10	0.11	1.5
Fluoranthene	M	2700	mg/kg	0.10	1.2	< 0.10	1.5	8.8
Pyrene	M	2700	mg/kg	0.10	1.4	< 0.10	1.8	8.6
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.55	< 0.10	0.64	3.8
Chrysene	M	2700	mg/kg	0.10	0.16	< 0.10	1.3	4.0
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	0.65	< 0.10	0.81	4.1
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.32	< 0.10	0.45	1.8
Benzo[a]pyrene	M	2700	mg/kg	0.10	0.52	< 0.10	0.68	3.4
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.8
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.50
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.8
Total Of 16 PAH's	M	2700	mg/kg	2.0	5.8	< 2.0	8.0	47
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



Amended Report

Report No.:	22-22322-2		
Initial Date of Issue:	21-Jun-2022	Date of Re-Issue:	23-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:	16-Jun-2022
Order No.:		Date Instructed:	16-Jun-2022
No. of Samples:	2		
Turnaround (Wkdays):	4	Results Due:	21-Jun-2022
Date Approved:	21-Jun-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-22322	22-22322
Quotation No.:	Chemtest Sample ID.:				1448975	1448976
Order No.:	Client Sample Ref.:				C3/TP03	C3/TP03
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.00	1.00
	Bottom Depth (m):				0.20	1.50
	Date Sampled:				15-Jun-2022	15-Jun-2022
	Asbestos Lab:				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
Moisture	N	2030	%	0.020	16	20
Soil Colour	N	2040		N/A	White	White
Other Material	N	2040		N/A	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay
pH	M	2010		4.0	9.1	9.0
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.019	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	0.64	1.5
Arsenic	M	2455	mg/kg	0.5	0.6	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	1.8	< 0.5
Copper	M	2455	mg/kg	0.50	1.9	< 0.50
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	2.1	< 0.50
Lead	M	2455	mg/kg	0.50	2.5	< 0.50
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.2	< 0.5
Zinc	M	2455	mg/kg	0.50	8.4	9.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.85	2.0
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-22322	22-22322
Quotation No.:	Chemtest Sample ID.:				1448975	1448976
Order No.:	Client Sample Ref.:				C3/TP03	C3/TP03
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.00	1.00
	Bottom Depth (m):				0.20	1.50
	Date Sampled:				15-Jun-2022	15-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD		
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	1.4

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.: 22-22356-1
Initial Date of Issue: 17-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:** 16-Jun-2022

Order No.: **Date Instructed:** 16-Jun-2022

No. of Samples: 5

Turnaround (Wkdays): 4 **Results Due:** 21-Jun-2022

Date Approved: 17-Jun-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 14-Jun-2022
Date Received: 16-Jun-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-22356
No Samples:
Date Reported: 17-Jun-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1449093		AS16				2185	U	NEW-ASB	Cement	Chrysotile
1449094		AS17				2185	U	NEW-ASB	Cement	Chrysotile
1449095		AS18				2185	U	NEW-ASB	Cement	Chrysotile
1449096		AS19				2185	U	NEW-ASB	Tile	Chrysotile
1449097		AS20				2185	U	NEW-ASB	Board	Amosite 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

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SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
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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.: 22-22370-1
Initial Date of Issue: 21-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:** 16-Jun-2022

Order No.: **Date Instructed:** 16-Jun-2022

No. of Samples: 6

Turnaround (Wkdays): 4 **Results Due:** 21-Jun-2022

Date Approved: 21-Jun-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-22370	22-22370	22-22370	22-22370	22-22370	22-22370	22-22370
Quotation No.:	Chemtest Sample ID.:		1449180	1449181	1449182	1449183	1449184	1449185	1449185
	Sample Location:		C2/TP03	C2/TP03	C3/TP02	C3/TP02	D3/TP01	D3/TP01	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.00	1.20	0.00	0.70	0.00	1.00	
	Bottom Depth (m):		1.00	1.90	0.30	1.10	0.90	1.50	
	Date Sampled:		14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-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
Moisture	N	2030	%	0.020	17	31	13	16	17
Soil Colour	N	2040		N/A	Brown	White	Brown	Brown	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay
pH	M	2010		4.0	9.6	8.4	8.7	8.6	8.7
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.57	< 0.40	0.88	1.0	2.3
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.16	0.081	0.051	0.043	0.084
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	0.96	0.79	< 0.50	0.56	1.2
Arsenic	M	2455	mg/kg	0.5	1.4	0.7	2.2	1.4	2.0
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	3.2	1.6	4.5	5.2	4.4
Copper	M	2455	mg/kg	0.50	2.9	0.99	5.0	2.1	4.2
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	3.3	1.6	4.1	3.9	4.0
Lead	M	2455	mg/kg	0.50	6.4	1.3	10	4.5	11
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	4.6	2.2	6.1	5.9	6.0
Zinc	M	2455	mg/kg	0.50	15	5.3	25	14	26
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	4.4	2.0	0.73	3.3	0.95
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
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-22370	22-22370	22-22370	22-22370	22-22370	22-22370
Quotation No.:	Chemtest Sample ID.:		1449180	1449181	1449182	1449183	1449184	1449185
	Sample Location:		C2/TP03	C2/TP03	C3/TP02	C3/TP02	D3/TP01	D3/TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.00	1.20	0.00	0.70	0.00	1.00
	Bottom Depth (m):		1.00	1.90	0.30	1.10	0.90	1.50
	Date Sampled:		14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022
	Asbestos Lab:		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
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	1.2
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.3
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	2.5
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.

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I/S	Insufficient Sample
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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.: 22-24957-1
Initial Date of Issue: 06-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:** 04-Jul-2022

Order No.: **Date Instructed:** 04-Jul-2022

No. of Samples: 12

Turnaround (Wkdays): 3 **Results Due:** 06-Jul-2022

Date Approved: 06-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:		1460321	1460322	1460323	1460324	1460325	1460326	1460327	1460328	1460329		
Order No.:	Client Sample Ref.:		C2/TP01	C2/TP01	C2/TP05	C2/TP05	C2/TP04	C2/TP04	C3/TP01	C3/TP01	B2/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):		0.30	1.30	0.20	1.80	0.20	0.70	0.20	0.60	0.30		
	Bottom Depth (m):		1.00	2.30	1.20	2.50	0.60	1.70	0.50	1.20	0.70		
	Date Sampled:		30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-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									
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	10	11	7.9	16	13	16	11	20
Soil Colour	N	2040		N/A	Brown	White	Brown	Beige	Brown	Beige	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	Sand	Chalk	Sand	Chalk	Sand	Chalk	Sand
pH	M	2010		4.0	11.5	10.4	10.8	9.9	11.2	10.5	11.1	10.1	11.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.76	< 0.40	0.45	< 0.40	0.45	< 0.40	< 0.40	< 0.40	0.49
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.32	0.10	0.23	0.044	0.10	0.030	0.079	0.026	0.13
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	0.51	0.66	0.54	< 0.50	0.95	< 0.50	< 0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	4.3	15	4.5	0.5	2.3	< 0.5	2.8	< 0.5	4.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.10	< 0.10	0.12	0.10	0.18	0.12	0.21
Chromium	M	2455	mg/kg	0.5	4.2	13	6.0	1.5	5.1	1.1	3.9	0.9	7.1
Copper	M	2455	mg/kg	0.50	3.1	7.8	3.6	1.8	3.4	1.5	68	4.3	9.4
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	5.9	13	6.4	2.3	5.2	1.6	8.3	1.8	7.4
Lead	M	2455	mg/kg	0.50	2.5	8.0	6.6	1.7	4.3	1.1	420	18	22
Selenium	M	2455	mg/kg	0.25	< 0.25	0.32	0.26	< 0.25	< 0.25	< 0.25	0.39	< 0.25	0.31
Vanadium	U	2455	mg/kg	0.5	9.1	28	11	1.9	7.8	1.5	8.4	1.3	9.7
Zinc	M	2455	mg/kg	0.50	25	30	31	10	20	7.2	28	7.5	48
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	< 0.20	0.25	0.27	2.1	0.58	0.36	11	2.9	0.43
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	5.4	< 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	22	< 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	190	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	81	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12000	< 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	1000	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	81	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13000	< 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.:		22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:		1460321	1460322	1460323	1460324	1460325	1460326	1460327	1460328	1460329	
Order No.:	Client Sample Ref.:		C2/TP01	C2/TP01	C2/TP05	C2/TP05	C2/TP04	C2/TP04	C3/TP01	C3/TP01	B2/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):		0.30	1.30	0.20	1.80	0.20	0.70	0.20	0.60	0.30	
	Bottom Depth (m):		1.00	2.30	1.20	2.50	0.60	1.70	0.50	1.20	0.70	
	Date Sampled:		30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-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	30	< 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	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4600	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1900	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6500	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	95	< 10	< 10	< 10	< 10	< 10	20000	< 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	0.47	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.71
Anthracene	M	2700	mg/kg	0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12
Fluoranthene	M	2700	mg/kg	0.10	0.97	0.15	< 0.10	< 0.10	< 0.10	< 0.10	0.31	< 0.10
Pyrene	M	2700	mg/kg	0.10	1.1	0.33	< 0.10	< 0.10	< 0.10	< 0.10	0.42	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.54	0.14	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.73	0.12	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	0.54	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.32	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	0.39	< 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	5.2	< 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

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:				1460330	1460331	1460332
Order No.:	Client Sample Ref.:				B2/TP05	B3/TP05	B3/TP05
	Client Sample ID.:				N	MG	N
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.00	0.10	0.30
	Bottom Depth (m):				2.00	0.30	1.30
	Date Sampled:				30-Jun-2022	30-Jun-2022	30-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	14	4.2	8.4
Soil Colour	N	2040		N/A	Beige	Beige	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand
pH	M	2010		4.0	10.4	10.2	11.1
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	0.49
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.017	0.044	0.22
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	0.62
Arsenic	M	2455	mg/kg	0.5	< 0.5	< 0.5	3.9
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.18
Chromium	M	2455	mg/kg	0.5	1.1	0.9	5.4
Copper	M	2455	mg/kg	0.50	1.9	1.5	10
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	1.4	1.5	5.0
Lead	M	2455	mg/kg	0.50	2.1	2.0	57
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.4	1.3	10
Zinc	M	2455	mg/kg	0.50	7.4	8.8	150
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	4.6	2.7	0.89
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	< 1.0	< 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	< 5.0	< 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

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:				1460330	1460331	1460332
Order No.:	Client Sample Ref.:				B2/TP05	B3/TP05	B3/TP05
	Client Sample ID.:				N	MG	N
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.00	0.10	0.30
	Bottom Depth (m):				2.00	0.30	1.30
	Date Sampled:				30-Jun-2022	30-Jun-2022	30-Jun-2022
	Asbestos Lab:				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
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	0.21	< 0.10	0.31
Pyrene	M	2700	mg/kg	0.10	0.41	< 0.10	0.18
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.18	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.11	< 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

Amended Report

Report No.:	22-24960-2		
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:	04-Jul-2022
Order No.:		Date Instructed:	04-Jul-2022
No. of Samples:	1		
Turnaround (Wkdays):	3	Results Due:	06-Jul-2022
Date Approved:	05-Jul-2022		
Approved By:			



Details: Stuart Henderson, Technical Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 30-Jun-2022
Date Received: 04-Jul-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-24960
No Samples:
Date Reported: 05-Jul-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1460376	AS27	C2/TP05		0.20		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	0.67
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	1.3	< 0.10	0.49
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



2183

Final Report

Report No.: 22-25624-1
Initial Date of Issue: 08-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: 1

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

Date Approved: 08-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 05-Jul-2022
Date Received: 07-Jul-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-25624
No Samples:
Date Reported: 08-Jul-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1463379		AS28	B3/TP04	0.0	0.5	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



Amended Report

Report No.:	22-25932-4		
Initial Date of Issue:	13-Jul-2022	Date of Re-Issue:	15-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:	8		
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.:		22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932
Quotation No.:	Chemtest Sample ID.:		1464878	1464879	1464880	1464881	1464882	1464883	1464884	1464885		
	Client Sample ID.:		MG	N	MG	N	MG	N	MG	N		
	Sample Location:		A3/TP03	A3/TP03	A3/TP05	A3/TP05	A3/TP02	A3/TP02	A2/TP03	A2/TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.20	1.00	0.20	1.00	0.15	1.00	0.20	0.80		
	Bottom Depth (m):		0.70	1.90	0.60	1.60	0.60	1.60	0.60	1.60		
	Date Sampled:		07-Jul-2022	07-Jul-2022	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	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	17	17	16	16	12	16	11	17
Soil Colour	N	2040		N/A	Beige	Beige	Beige	Beige	Brown	Beige	Brown	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Sand	Clay
pH	M	2010		4.0	8.4	8.3	7.7	8.2	7.5	8.0	7.9	8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.75	< 0.40	< 0.40	0.82	0.65	0.56	0.56	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.027	0.012	0.028	0.18	0.057	0.016	0.024	< 0.010
Cyanide (Total)	M	2300	mg/kg	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	0.83	0.96	3.1	1.7	1.2	0.99	0.95	2.2
Arsenic	M	2455	mg/kg	0.5	0.8	0.7	1.8	< 0.5	2.6	0.6	5.9	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.12	< 0.10	0.17	< 0.10	0.19	< 0.10	0.33	< 0.10
Chromium	M	2455	mg/kg	0.5	1.8	0.7	3.4	0.8	3.2	1.3	6.5	< 0.5
Copper	M	2455	mg/kg	0.50	2.6	1.4	8.2	1.1	30	5.5	69	0.70
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	2.0	1.8	4.3	0.93	7.8	2.0	17	0.53
Lead	M	2455	mg/kg	0.50	6.3	1.1	14	1.6	31	7.1	69	0.73
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	0.32	< 0.25	0.27	< 0.25	0.39	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.8	1.8	5.8	1.1	8.0	2.3	18	0.6
Zinc	M	2455	mg/kg	0.50	14	7.2	86	5.7	55	14	120	3.2
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	0.64	0.69	1.3	1.3	11	2.7	18	0.66
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932
Quotation No.:	Chemtest Sample ID.:		1464878	1464879	1464880	1464881	1464882	1464883	1464884	1464885		
	Client Sample ID.:		MG	N	MG	N	MG	N	MG	N		
	Sample Location:		A3/TP03	A3/TP03	A3/TP05	A3/TP05	A3/TP02	A3/TP02	A2/TP03	A2/TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.20	1.00	0.20	1.00	0.15	1.00	0.20	0.80		
	Bottom Depth (m):		0.70	1.90	0.60	1.60	0.60	1.60	0.60	1.60		
	Date Sampled:		07-Jul-2022	07-Jul-2022	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	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	6.2	< 1.0	[C] < 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	180	< 1.0	[C] < 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	610	< 1.0	[C] < 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	[C] < 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	800	< 5.0	[C] < 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10	800	< 10	[C] < 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.37	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.63	< 0.10	0.83	1.2	1.8	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.32	< 0.10	0.27	0.36	0.62	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.2	< 0.10	2.0	4.0	6.9	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.7	< 0.10	2.4	4.0	7.5	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.74	< 0.10	1.1	1.7	4.2	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	< 0.10	1.3	2.3	4.0	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	2.5	6.5	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.85	1.1	2.6	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	2.0	5.4	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.48	< 0.10	3.4	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	< 0.10	0.86	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.68	< 0.10	3.1	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	5.7	< 2.0	13	19	48	< 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

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1464884		MG	A2/TP03	07-Jul-2022	C	Plastic Tub 500g

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.

Report Information

Key

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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

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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.: 22-26893-1
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	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



2183

Final Report

Report No.: 22-27700-1
Initial Date of Issue: 25-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:** 22-Jul-2022

Order No.: **Date Instructed:** 22-Jul-2022

No. of Samples: 2

Turnaround (Wkdays): 3 **Results Due:** 26-Jul-2022

Date Approved: 25-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 20-Jul-2022
Date Received: 22-Jul-2022

Your Ref.:
Project: 223159 Saunderton
Job Number: 22-27700
No Samples:
Date Reported: 25-Jul-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1472778	AS32	B4/TP04		0.00		2185	U	NEW-ASB	Cement	Chrysotile
1472779	AS33	B3/TP02		0.20	0.55	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.: 22-27703-1
Initial Date of Issue: 27-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:** 22-Jul-2022

Order No.: **Date Instructed:** 22-Jul-2022

No. of Samples: 15

Turnaround (Wkdays): 3 **Results Due:** 26-Jul-2022

Date Approved: 27-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472788	1472789	1472790	1472791	1472792	1472793	1472794	1472795	1472796	1472796	1472796
Order No.:	Client Sample Ref.:		B4/TP03	B4/TP03	B4/TP04	B4/TP04	B4/TP02	B4/TP02	B4/TP02	B4/TP02	B3/TP03	B3/TP03	B3/TP03
	Client Sample ID.:		MG	N	MG	N	MG	MG	N	MG	N	N	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.0	1.60	0.30	2.10	0.20	0.70	2.00	0.20	1.00	1.00	1.00
	Bottom Depth (m):		1.00	2.40	1.30	3.10	0.50	1.70	2.80	0.80	1.90	1.90	1.90
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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	16	22	17	20	13	20	21	17	19
Soil Colour	N	2040		N/A	White	White	Brown	White	Brown	Grey	White	Grey	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Gravel	Clay	Loam	Clay	Clay	Clay	Clay	Gravel	Clay
pH	M	2010		4.0	8.9	8.9	9.0	8.8	8.9	10.1	9.1	9.0	9.2
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.013	< 0.010	0.041	0.013	0.081	0.20	0.014	0.15	0.012
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	26	3.6	13	5.4	3.7	2.1	1.5	5.4
Arsenic	M	2455	mg/kg	0.5	0.6	< 0.5	1.9	< 0.5	4.4	1.1	< 0.5	9.4	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	0.10	< 0.10	0.18	< 0.10
Chromium	M	2455	mg/kg	0.5	1.0	0.5	3.3	0.6	5.3	3.9	0.6	30	< 0.5
Copper	M	2455	mg/kg	0.50	1.3	0.81	4.4	1.0	20	14	1.5	28	0.92
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05
Nickel	M	2455	mg/kg	0.50	2.0	0.52	2.7	0.58	6.4	3.2	0.77	12	< 0.50
Lead	M	2455	mg/kg	0.50	1.7	0.59	7.7	0.67	9.6	9.7	1.0	35	0.66
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	1.3	0.6	6.4	0.8	9.0	7.2	0.9	8.2	< 0.5
Zinc	M	2455	mg/kg	0.50	8.5	4.2	19	4.0	52	35	6.2	180	3.9
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	3.8	4.5	0.81	4.5	1.3	3.7	5.0	2.6	4.5
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	< 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.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472788	1472789	1472790	1472791	1472792	1472793	1472794	1472795	1472796	1472796
Order No.:	Client Sample Ref.:		B4/TP03	B4/TP03	B4/TP04	B4/TP04	B4/TP02	B4/TP02	B4/TP02	B3/TP03	B3/TP03	B3/TP03
	Client Sample ID.:		MG	N	MG	N	MG	MG	N	MG	N	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.0	1.60	0.30	2.10	0.20	0.70	2.00	0.20	1.00	1.00
	Bottom Depth (m):		1.00	2.40	1.30	3.10	0.50	1.70	2.80	0.80	1.90	1.90
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022
	Asbestos Lab:		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								
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	< 0.10	< 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	1.4	< 0.10	0.54	< 0.10	0.12	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	< 0.10	0.58	< 0.10	0.26	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.50	< 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	3.5	< 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

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472797	1472798	1472799	1472800	1472801	1472802
Order No.:	Client Sample Ref.:		B3/TP02	B3/TP02	B2/TP03	B2/TP03	B2/TP02	B2/TP02
	Client Sample ID.:		MG	N	MG	N	MG	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.20	1.00	0.20	1.50	0.20	1.00
	Bottom Depth (m):		0.80	1.70	1.20	2.10	0.70	2.00
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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
Moisture	N	2030	%	0.020	17	21	18	15
Soil Colour	N	2040		N/A	Grey	White	White	Black
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay
pH	M	2010		4.0	9.2	8.9	9.1	9.7
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	< 0.40	0.60
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.030	0.011	0.038	0.015
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	7.8	12	3.0	1.1
Arsenic	M	2455	mg/kg	0.5	2.0	< 0.5	3.2	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.13	< 0.10	< 0.10	0.67
Chromium	M	2455	mg/kg	0.5	2.8	0.5	3.7	< 0.5
Copper	M	2455	mg/kg	0.50	28	1.3	34	2.0
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	4.8	0.63	11	3.0
Lead	M	2455	mg/kg	0.50	57	1.2	47	2.2
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	0.30
Vanadium	U	2455	mg/kg	0.5	4.2	0.7	6.0	0.7
Zinc	M	2455	mg/kg	0.50	270	5.6	81	9.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	2.0	2.8	4.3	4.0
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	5.2	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:				1472797	1472798	1472799	1472800	1472801	1472802
Order No.:	Client Sample Ref.:				B3/TP02	B3/TP02	B2/TP03	B2/TP03	B2/TP02	B2/TP02
	Client Sample ID.:				MG	N	MG	N	MG	N
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	1.00	0.20	1.50	0.20	1.00
	Bottom Depth (m):				0.80	1.70	1.20	2.10	0.70	2.00
	Date Sampled:				20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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	290	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	2200	11	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	6400	4.6	< 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	8900	16	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	8900	16	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.49	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.69	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.89	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	11	< 0.10	1.5	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.9	< 0.10	0.54	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	1.7	< 0.10	30	1.8	5.2	0.49
Pyrene	M	2700	mg/kg	0.10	1.6	< 0.10	30	1.8	4.9	0.50
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.59	< 0.10	15	0.77	2.8	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.60	< 0.10	16	0.81	2.5	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	16	< 0.10	3.1	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.7	< 0.10	1.3	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	14	< 0.10	2.9	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	7.9	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.5	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.9	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	4.5	< 2.0	160	5.2	25	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	0.52	< 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.: 22-31013-1
Initial Date of Issue: 19-Aug-2022
Client AA Environmental Ltd
Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX
Contact(s): Reporting
Project 223159 Saunderton - 223159
Quotation No.:
Order No.:
No. of Samples: 13
Turnaround (Wkdays): 4
Date Approved: 19-Aug-2022

Date Received: 15-Aug-2022

Date Instructed: 15-Aug-2022

Results Due: 18-Aug-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 11-Aug-2022
Date Received: 15-Aug-2022

Your Ref.:
Project: 223159 Saunderton - 223159
Job Number: 22-31013
No Samples:
Date Reported: 19-Aug-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1487587	AS34		A6/TP01	0.00	1.45	2185	U	COVENTRY	Cement	Chrysotile
1487588	AS36		A5/TP01	0.50		2185	U	COVENTRY	Cement	Chrysotile
1487589	AS37		A2/TP04	0.00	0.35	2185	U	COVENTRY	Cement	Chrysotile Crocidolite

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)

Results - Miscellaneous Solid

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:				22-31013
Quotation No.:	Chemtest Sample ID.:				1487593
	Sample Location:				S.P. Macadam
	Sample Type:				MISCSOLID
	Date Sampled:				11-Aug-2022
Determinand	Accred.	SOP	Units	LOD	
Naphthalene	N	2700	mg/kg	0.10	< 0.10
Acenaphthylene	N	2700	mg/kg	0.10	< 0.10
Acenaphthene	N	2700	mg/kg	0.10	< 0.10
Fluorene	N	2700	mg/kg	0.10	< 0.10
Phenanthrene	N	2700	mg/kg	0.10	4.4
Anthracene	N	2700	mg/kg	0.10	1.3
Fluoranthene	N	2700	mg/kg	0.10	40
Pyrene	N	2700	mg/kg	0.10	38
Benzo[a]anthracene	N	2700	mg/kg	0.10	5.9
Chrysene	N	2700	mg/kg	0.10	6.7
Benzo[b]fluoranthene	N	2700	mg/kg	0.10	11
Benzo[k]fluoranthene	N	2700	mg/kg	0.10	3.1
Benzo[a]pyrene	N	2700	mg/kg	0.10	8.3
Indeno(1,2,3-c,d)Pyrene	N	2700	mg/kg	0.10	< 0.10
Dibenz(a,h)Anthracene	N	2700	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene	N	2700	mg/kg	0.10	< 0.10
Total Of 16 PAH's	N	2700	mg/kg	2.0	120
Moisture	N		%	0.10	< 0.10

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013
Quotation No.:	Chemtest Sample ID.:		1487578	1487579	1487580	1487581	1487582	1487583	1487584	1487585		
	Sample Location:		A6/TP01	A6/TP01	A5/TP04	A5/TP04	A5/TP01	A4/TP05	A4/TP01	A3/TP04		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.00	1.45	0.00	1.45	0.00	0.00	0.00	0.00		
	Bottom Depth (m):		1.45	2.00	1.45	2.00	1.35	0.85	0.70	0.65		
	Date Sampled:		11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022		
	Asbestos Lab:		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	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001					<0.001			
Total Asbestos	U	2192	%	0.001					<0.001			
Moisture	N	2030	%	0.020	11	15	9.8	60	10	14	13	14
Soil Colour	N	2040		N/A	Brown	Beige	Brown	Beige	Brown	Beige	Beige	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Sand	Chalk	Chalk	Chalk
pH	M	2010		4.0	8.7	8.8	8.8	8.9	9.3	8.7	9.0	9.1
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.6	0.41	1.8	< 0.40	1.3	< 0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	< 0.010	0.037	< 0.010	0.084	0.25	0.011	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.90	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	14	1.8	2.5	0.94	1.0	8.0	3.1	1.1
Arsenic	M	2455	mg/kg	0.5	0.9	< 0.5	2.4	< 0.5	3.5	< 0.5	< 0.5	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.19	< 0.10	0.20	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	3.7	1.4	6.1	0.8	7.4	0.9	1.1	1.0
Copper	M	2455	mg/kg	0.50	2.7	1.4	13	0.86	15	4.9	1.8	2.7
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	3.7	1.2	6.9	0.55	8.2	1.0	1.5	1.4
Lead	M	2455	mg/kg	0.50	4.8	1.8	21	0.87	16	2.5	1.5	2.0
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	4.2	1.5	19	5.0	24	1.7	1.3	1.0
Zinc	M	2455	mg/kg	0.50	33	15	54	5.8	64	11	8.8	10
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	0.89	< 0.20	1.6	< 0.20	0.60	< 0.20	< 0.20	< 0.20
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

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013
Quotation No.:	Chemtest Sample ID.:		1487578	1487579	1487580	1487581	1487582	1487583	1487584	1487585
	Sample Location:		A6/TP01	A6/TP01	A5/TP04	A5/TP04	A5/TP01	A4/TP05	A4/TP01	A3/TP04
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.00	1.45	0.00	1.45	0.00	0.00	0.00	0.00
	Bottom Depth (m):		1.45	2.00	1.45	2.00	1.35	0.85	0.70	0.65
	Date Sampled:		11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD						
Aromatic TPH >C10-C12	M	2680	mg/kg	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
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	0.38	< 0.10	0.25	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.42	< 0.10	0.56	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10	1.2	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.3	< 0.10	1.8	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	13	< 0.10	21	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.9	< 0.10	7.3	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	17	< 0.10	34	0.86
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	17	< 0.10	31	0.92
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	7.2	< 0.10	13	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.1	< 0.10	11	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	9.9	< 0.10	14	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.8	< 0.10	5.7	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	8.1	< 0.10	12	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	5.1	< 0.10	6.4	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.4	< 0.10	1.7	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	5.0	< 0.10	6.1	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	100	< 2.0	170	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013		
Quotation No.:	Chemtest Sample ID.:		1487586		
	Sample Location:		A3/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.00		
	Bottom Depth (m):		1.00		
	Date Sampled:		11-Aug-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
ACM Type	U	2192		N/A	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	
Total Asbestos	U	2192	%	0.001	
Moisture	N	2030	%	0.020	14
Soil Colour	N	2040		N/A	Beige
Other Material	N	2040		N/A	Stones
Soil Texture	N	2040		N/A	Chalk
pH	M	2010		4.0	8.6
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	0.16
Cyanide (Total)	M	2300	mg/kg	0.50	6.2
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	6.8
Arsenic	M	2455	mg/kg	0.5	1.4
Cadmium	M	2455	mg/kg	0.10	0.22
Chromium	M	2455	mg/kg	0.5	3.9
Copper	M	2455	mg/kg	0.50	18
Mercury	M	2455	mg/kg	0.05	0.10
Nickel	M	2455	mg/kg	0.50	4.1
Lead	M	2455	mg/kg	0.50	17
Selenium	M	2455	mg/kg	0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.8
Zinc	M	2455	mg/kg	0.50	47
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.28
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	< 1.0
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	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
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

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013		
Quotation No.:	Chemtest Sample ID.:		1487586		
	Sample Location:		A3/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.00		
	Bottom Depth (m):		1.00		
	Date Sampled:		11-Aug-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10
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	0.35
Pyrene	M	2700	mg/kg	0.10	0.48
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

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
2185	Asbestos	Asbestos	Polarised light microscopy
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.:	22-21797-2		
Initial Date of Issue:	16-Jun-2022	Date of Re-Issue:	20-Jun-2022
Client	AA Environmental Ltd		
Client Address:	Units 4 to 8 Cholswell Court Shippon Abingdon Oxfordshire OX136HX		
Contact(s):	Reporting		
Project	Saunderton - 223159		
Quotation No.:		Date Received:	13-Jun-2022
Order No.:		Date Instructed:	13-Jun-2022
No. of Samples:	11		
Turnaround (Wkdays):	4	Results Due:	16-Jun-2022
Date Approved:	16-Jun-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-21797	22-21797	22-21797	22-21797	22-21797	22-21797	22-21797
Quotation No.:	Chemtest Sample ID.:		1446591	1446592	1446593	1446594	1446595	1446596	
	Sample Location:		D3/TP05	D3/TP05	C2/TP02	C2/TP02	E4/TP01 (SP)	E4/TP02 (SP)	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.60	0.85	0.00	0.80			
	Bottom Depth (m):		0.85	1.65	0.70	1.45			
	Date Sampled:		09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	
	Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	
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	9.0	20	18	22	19
Soil Colour	N	2040		N/A	Brown	White	Brown	White	White
Other Material	N	2040		N/A	Stones and chalk	None	Stones and chalk	None	None
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Chalk
pH	M	2010		4.0	10.5	8.9	11.2	9.3	9.1
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.79	< 0.40	0.96	< 0.40	0.58
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.045	0.052	0.054	0.048	0.037
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	2.8	1.6	2.8	1.7	1.7
Arsenic	M	2455	mg/kg	0.5	5.2	< 0.5	6.1	1.0	2.9
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	18	1.2	27	3.1	16
Copper	M	2455	mg/kg	0.50	7.3	1.3	9.1	2.5	4.1
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	11	1.4	16	2.9	9.6
Lead	M	2455	mg/kg	0.50	9.8	1.1	8.5	2.3	4.3
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	22	1.6	28	3.7	17
Zinc	M	2455	mg/kg	0.50	25	5.2	22	8.4	16
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	0.73	4.1	1.4	0.38	0.72
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	350	370	340
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	35	39	37
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	59	51	68
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	20	9.4	25
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	53	69
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	460	520	540
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: Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-21797	22-21797	22-21797	22-21797	22-21797	22-21797
Quotation No.:	Chemtest Sample ID.:		1446591	1446592	1446593	1446594	1446595	1446596
	Sample Location:		D3/TP05	D3/TP05	C2/TP02	C2/TP02	E4/TP01 (SP)	E4/TP02 (SP)
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.60	0.85	0.00	0.80		
	Bottom Depth (m):		0.85	1.65	0.70	1.45		
	Date Sampled:		09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022	09-Jun-2022
	Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
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	36	69
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	36	69
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	460	540
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.46
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.12
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.50
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.55
Phenanthrene	M	2700	mg/kg	0.10	0.89	< 0.10	0.66	5.7
Anthracene	M	2700	mg/kg	0.10	0.10	< 0.10	0.11	1.5
Fluoranthene	M	2700	mg/kg	0.10	1.2	< 0.10	1.5	8.8
Pyrene	M	2700	mg/kg	0.10	1.4	< 0.10	1.8	8.6
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.55	< 0.10	0.64	3.8
Chrysene	M	2700	mg/kg	0.10	0.16	< 0.10	1.3	4.0
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	0.65	< 0.10	0.81	4.1
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.32	< 0.10	0.45	1.8
Benzo[a]pyrene	M	2700	mg/kg	0.10	0.52	< 0.10	0.68	3.4
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.8
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.50
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.8
Total Of 16 PAH's	M	2700	mg/kg	2.0	5.8	< 2.0	8.0	47
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



Amended Report

Report No.:	22-22322-2		
Initial Date of Issue:	21-Jun-2022	Date of Re-Issue:	23-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:	16-Jun-2022
Order No.:		Date Instructed:	16-Jun-2022
No. of Samples:	2		
Turnaround (Wkdays):	4	Results Due:	21-Jun-2022
Date Approved:	21-Jun-2022		
Approved By:			

Details: Stuart Henderson, Technical Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-22322	22-22322
Quotation No.:	Chemtest Sample ID.:				1448975	1448976
Order No.:	Client Sample Ref.:				C3/TP03	C3/TP03
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.00	1.00
	Bottom Depth (m):				0.20	1.50
	Date Sampled:				15-Jun-2022	15-Jun-2022
	Asbestos Lab:				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
Moisture	N	2030	%	0.020	16	20
Soil Colour	N	2040		N/A	White	White
Other Material	N	2040		N/A	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay
pH	M	2010		4.0	9.1	9.0
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.019	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	0.64	1.5
Arsenic	M	2455	mg/kg	0.5	0.6	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	1.8	< 0.5
Copper	M	2455	mg/kg	0.50	1.9	< 0.50
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	2.1	< 0.50
Lead	M	2455	mg/kg	0.50	2.5	< 0.50
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.2	< 0.5
Zinc	M	2455	mg/kg	0.50	8.4	9.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.85	2.0
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-22322	22-22322
Quotation No.:	Chemtest Sample ID.:				1448975	1448976
Order No.:	Client Sample Ref.:				C3/TP03	C3/TP03
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.00	1.00
	Bottom Depth (m):				0.20	1.50
	Date Sampled:				15-Jun-2022	15-Jun-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB
Determinand	Accred.	SOP	Units	LOD		
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	1.4

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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I/S	Insufficient Sample
U/S	Unsuitable Sample
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<	"less than"
>	"greater than"
SOP	Standard operating procedure
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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

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- A - Date of sampling not supplied
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- D - Broken Container
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All water samples will be retained for 14 days from the date of receipt

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

customerservices@chemtest.com



Final Report

Report No.: 22-22370-1
Initial Date of Issue: 21-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:** 16-Jun-2022

Order No.: **Date Instructed:** 16-Jun-2022

No. of Samples: 6

Turnaround (Wkdays): 4 **Results Due:** 21-Jun-2022

Date Approved: 21-Jun-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-22370	22-22370	22-22370	22-22370	22-22370	22-22370	22-22370
Quotation No.:	Chemtest Sample ID.:		1449180	1449181	1449182	1449183	1449184	1449185	1449185
	Sample Location:		C2/TP03	C2/TP03	C3/TP02	C3/TP02	D3/TP01	D3/TP01	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.00	1.20	0.00	0.70	0.00	1.00	
	Bottom Depth (m):		1.00	1.90	0.30	1.10	0.90	1.50	
	Date Sampled:		14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-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
Moisture	N	2030	%	0.020	17	31	13	16	17
Soil Colour	N	2040		N/A	Brown	White	Brown	Brown	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay
pH	M	2010		4.0	9.6	8.4	8.7	8.6	8.7
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.57	< 0.40	0.88	1.0	2.3
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.16	0.081	0.051	0.043	0.084
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	0.96	0.79	< 0.50	0.56	1.2
Arsenic	M	2455	mg/kg	0.5	1.4	0.7	2.2	1.4	2.0
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	3.2	1.6	4.5	5.2	4.4
Copper	M	2455	mg/kg	0.50	2.9	0.99	5.0	2.1	4.2
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	3.3	1.6	4.1	3.9	4.0
Lead	M	2455	mg/kg	0.50	6.4	1.3	10	4.5	11
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	4.6	2.2	6.1	5.9	6.0
Zinc	M	2455	mg/kg	0.50	15	5.3	25	14	26
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	4.4	2.0	0.73	3.3	0.95
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
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-22370	22-22370	22-22370	22-22370	22-22370	22-22370
Quotation No.:	Chemtest Sample ID.:		1449180	1449181	1449182	1449183	1449184	1449185
	Sample Location:		C2/TP03	C2/TP03	C3/TP02	C3/TP02	D3/TP01	D3/TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.00	1.20	0.00	0.70	0.00	1.00
	Bottom Depth (m):		1.00	1.90	0.30	1.10	0.90	1.50
	Date Sampled:		14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022
	Asbestos Lab:		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
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	1.2
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.3
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	2.5
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.: 22-24957-1
Initial Date of Issue: 06-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:** 04-Jul-2022

Order No.: **Date Instructed:** 04-Jul-2022

No. of Samples: 12

Turnaround (Wkdays): 3 **Results Due:** 06-Jul-2022

Date Approved: 06-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:		1460321	1460322	1460323	1460324	1460325	1460326	1460327	1460328	1460329		
Order No.:	Client Sample Ref.:		C2/TP01	C2/TP01	C2/TP05	C2/TP05	C2/TP04	C2/TP04	C3/TP01	C3/TP01	B2/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):		0.30	1.30	0.20	1.80	0.20	0.70	0.20	0.60	0.30		
	Bottom Depth (m):		1.00	2.30	1.20	2.50	0.60	1.70	0.50	1.20	0.70		
	Date Sampled:		30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-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									
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	10	11	7.9	16	13	16	11	20
Soil Colour	N	2040		N/A	Brown	White	Brown	Beige	Brown	Beige	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	Sand	Chalk	Sand	Chalk	Sand	Chalk	Sand
pH	M	2010		4.0	11.5	10.4	10.8	9.9	11.2	10.5	11.1	10.1	11.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.76	< 0.40	0.45	< 0.40	0.45	< 0.40	< 0.40	< 0.40	0.49
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.32	0.10	0.23	0.044	0.10	0.030	0.079	0.026	0.13
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	0.51	0.66	0.54	< 0.50	0.95	< 0.50	< 0.50	< 0.50
Arsenic	M	2455	mg/kg	0.5	4.3	15	4.5	0.5	2.3	< 0.5	2.8	< 0.5	4.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.10	< 0.10	0.12	0.10	0.18	0.12	0.21
Chromium	M	2455	mg/kg	0.5	4.2	13	6.0	1.5	5.1	1.1	3.9	0.9	7.1
Copper	M	2455	mg/kg	0.50	3.1	7.8	3.6	1.8	3.4	1.5	68	4.3	9.4
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	5.9	13	6.4	2.3	5.2	1.6	8.3	1.8	7.4
Lead	M	2455	mg/kg	0.50	2.5	8.0	6.6	1.7	4.3	1.1	420	18	22
Selenium	M	2455	mg/kg	0.25	< 0.25	0.32	0.26	< 0.25	< 0.25	< 0.25	0.39	< 0.25	0.31
Vanadium	U	2455	mg/kg	0.5	9.1	28	11	1.9	7.8	1.5	8.4	1.3	9.7
Zinc	M	2455	mg/kg	0.50	25	30	31	10	20	7.2	28	7.5	48
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	< 0.20	0.25	0.27	2.1	0.58	0.36	11	2.9	0.43
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	5.4	< 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	22	< 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	190	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	81	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12000	< 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	1000	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	81	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	13000	< 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.:		22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:		1460321	1460322	1460323	1460324	1460325	1460326	1460327	1460328	1460329	
Order No.:	Client Sample Ref.:		C2/TP01	C2/TP01	C2/TP05	C2/TP05	C2/TP04	C2/TP04	C3/TP01	C3/TP01	B2/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):		0.30	1.30	0.20	1.80	0.20	0.70	0.20	0.60	0.30	
	Bottom Depth (m):		1.00	2.30	1.20	2.50	0.60	1.70	0.50	1.20	0.70	
	Date Sampled:		30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-Jun-2022	30-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	30	< 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	14	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4600	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1900	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	14	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	6500	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	95	< 10	< 10	< 10	< 10	< 10	20000	< 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	0.47	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.71
Anthracene	M	2700	mg/kg	0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12
Fluoranthene	M	2700	mg/kg	0.10	0.97	0.15	< 0.10	< 0.10	< 0.10	< 0.10	0.31	< 0.10
Pyrene	M	2700	mg/kg	0.10	1.1	0.33	< 0.10	< 0.10	< 0.10	< 0.10	0.42	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.54	0.14	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.73	0.12	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	0.54	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.49
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.32	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Benzo[a]pyrene	M	2700	mg/kg	0.10	0.39	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40
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	5.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.7
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.:				22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:				1460330	1460331	1460332
Order No.:	Client Sample Ref.:				B2/TP05	B3/TP05	B3/TP05
	Client Sample ID.:				N	MG	N
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.00	0.10	0.30
	Bottom Depth (m):				2.00	0.30	1.30
	Date Sampled:				30-Jun-2022	30-Jun-2022	30-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	14	4.2	8.4
Soil Colour	N	2040		N/A	Beige	Beige	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand
pH	M	2010		4.0	10.4	10.2	11.1
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	0.49
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.017	0.044	0.22
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	0.62
Arsenic	M	2455	mg/kg	0.5	< 0.5	< 0.5	3.9
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.18
Chromium	M	2455	mg/kg	0.5	1.1	0.9	5.4
Copper	M	2455	mg/kg	0.50	1.9	1.5	10
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	1.4	1.5	5.0
Lead	M	2455	mg/kg	0.50	2.1	2.0	57
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.4	1.3	10
Zinc	M	2455	mg/kg	0.50	7.4	8.8	150
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	4.6	2.7	0.89
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	< 1.0	< 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	< 5.0	< 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

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-24957	22-24957	22-24957
Quotation No.:	Chemtest Sample ID.:				1460330	1460331	1460332
Order No.:	Client Sample Ref.:				B2/TP05	B3/TP05	B3/TP05
	Client Sample ID.:				N	MG	N
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				1.00	0.10	0.30
	Bottom Depth (m):				2.00	0.30	1.30
	Date Sampled:				30-Jun-2022	30-Jun-2022	30-Jun-2022
	Asbestos Lab:				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
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	0.21	< 0.10	0.31
Pyrene	M	2700	mg/kg	0.10	0.41	< 0.10	0.18
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.18	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.11	< 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



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		
	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									
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



Amended Report

Report No.:	22-25932-4		
Initial Date of Issue:	13-Jul-2022	Date of Re-Issue:	15-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:	8		
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.:		22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932
Quotation No.:	Chemtest Sample ID.:		1464878	1464879	1464880	1464881	1464882	1464883	1464884	1464885		
	Client Sample ID.:		MG	N	MG	N	MG	N	MG	N		
	Sample Location:		A3/TP03	A3/TP03	A3/TP05	A3/TP05	A3/TP02	A3/TP02	A2/TP03	A2/TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.20	1.00	0.20	1.00	0.15	1.00	0.20	0.80		
	Bottom Depth (m):		0.70	1.90	0.60	1.60	0.60	1.60	0.60	1.60		
	Date Sampled:		07-Jul-2022	07-Jul-2022	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	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	17	17	16	16	12	16	11	17
Soil Colour	N	2040		N/A	Beige	Beige	Beige	Beige	Brown	Beige	Brown	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Sand	Clay
pH	M	2010		4.0	8.4	8.3	7.7	8.2	7.5	8.0	7.9	8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	0.75	< 0.40	< 0.40	0.82	0.65	0.56	0.56	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.027	0.012	0.028	0.18	0.057	0.016	0.024	< 0.010
Cyanide (Total)	M	2300	mg/kg	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	0.83	0.96	3.1	1.7	1.2	0.99	0.95	2.2
Arsenic	M	2455	mg/kg	0.5	0.8	0.7	1.8	< 0.5	2.6	0.6	5.9	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.12	< 0.10	0.17	< 0.10	0.19	< 0.10	0.33	< 0.10
Chromium	M	2455	mg/kg	0.5	1.8	0.7	3.4	0.8	3.2	1.3	6.5	< 0.5
Copper	M	2455	mg/kg	0.50	2.6	1.4	8.2	1.1	30	5.5	69	0.70
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	2.0	1.8	4.3	0.93	7.8	2.0	17	0.53
Lead	M	2455	mg/kg	0.50	6.3	1.1	14	1.6	31	7.1	69	0.73
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	0.32	< 0.25	0.27	< 0.25	0.39	< 0.25
Vanadium	U	2455	mg/kg	0.5	2.8	1.8	5.8	1.1	8.0	2.3	18	0.6
Zinc	M	2455	mg/kg	0.50	14	7.2	86	5.7	55	14	120	3.2
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	0.64	0.69	1.3	1.3	11	2.7	18	0.66
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 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	[C] < 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932	22-25932
Quotation No.:	Chemtest Sample ID.:		1464878	1464879	1464880	1464881	1464882	1464883	1464884	1464885		
	Client Sample ID.:		MG	N	MG	N	MG	N	MG	N		
	Sample Location:		A3/TP03	A3/TP03	A3/TP05	A3/TP05	A3/TP02	A3/TP02	A2/TP03	A2/TP03		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.20	1.00	0.20	1.00	0.15	1.00	0.20	0.80		
	Bottom Depth (m):		0.70	1.90	0.60	1.60	0.60	1.60	0.60	1.60		
	Date Sampled:		07-Jul-2022	07-Jul-2022	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	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	6.2	< 1.0	[C] < 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	180	< 1.0	[C] < 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	610	< 1.0	[C] < 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	[C] < 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	800	< 5.0	[C] < 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10	800	< 10	[C] < 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.37	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.63	< 0.10	0.83	1.2	1.8	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.32	< 0.10	0.27	0.36	0.62	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.2	< 0.10	2.0	4.0	6.9	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.7	< 0.10	2.4	4.0	7.5	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.74	< 0.10	1.1	1.7	4.2	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	< 0.10	1.3	2.3	4.0	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	2.5	6.5	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.85	1.1	2.6	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	2.0	5.4	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.48	< 0.10	3.4	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	< 0.10	0.86	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.68	< 0.10	3.1	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	5.7	< 2.0	13	19	48	< 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

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1464884		MG	A2/TP03	07-Jul-2022	C	Plastic Tub 500g

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.

Report Information

Key

U	UKAS accredited
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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

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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.: 22-26893-1
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.: 22-27703-1
Initial Date of Issue: 27-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:** 22-Jul-2022

Order No.: **Date Instructed:** 22-Jul-2022

No. of Samples: 15

Turnaround (Wkdays): 3 **Results Due:** 26-Jul-2022

Date Approved: 27-Jul-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472788	1472789	1472790	1472791	1472792	1472793	1472794	1472795	1472796	1472796	1472796
Order No.:	Client Sample Ref.:		B4/TP03	B4/TP03	B4/TP04	B4/TP04	B4/TP02	B4/TP02	B4/TP02	B4/TP02	B3/TP03	B3/TP03	B3/TP03
	Client Sample ID.:		MG	N	MG	N	MG	MG	N	MG	N	N	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.0	1.60	0.30	2.10	0.20	0.70	2.00	0.20	1.00	1.00	1.00
	Bottom Depth (m):		1.00	2.40	1.30	3.10	0.50	1.70	2.80	0.80	1.90	1.90	1.90
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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	16	22	17	20	13	20	21	17	19
Soil Colour	N	2040		N/A	White	White	Brown	White	Brown	Grey	White	Grey	White
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Gravel	Clay	Loam	Clay	Clay	Clay	Clay	Gravel	Clay
pH	M	2010		4.0	8.9	8.9	9.0	8.8	8.9	10.1	9.1	9.0	9.2
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.013	< 0.010	0.041	0.013	0.081	0.20	0.014	0.15	0.012
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	26	3.6	13	5.4	3.7	2.1	1.5	5.4
Arsenic	M	2455	mg/kg	0.5	0.6	< 0.5	1.9	< 0.5	4.4	1.1	< 0.5	9.4	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	0.10	< 0.10	0.18	< 0.10
Chromium	M	2455	mg/kg	0.5	1.0	0.5	3.3	0.6	5.3	3.9	0.6	30	< 0.5
Copper	M	2455	mg/kg	0.50	1.3	0.81	4.4	1.0	20	14	1.5	28	0.92
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05
Nickel	M	2455	mg/kg	0.50	2.0	0.52	2.7	0.58	6.4	3.2	0.77	12	< 0.50
Lead	M	2455	mg/kg	0.50	1.7	0.59	7.7	0.67	9.6	9.7	1.0	35	0.66
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	1.3	0.6	6.4	0.8	9.0	7.2	0.9	8.2	< 0.5
Zinc	M	2455	mg/kg	0.50	8.5	4.2	19	4.0	52	35	6.2	180	3.9
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	3.8	4.5	0.81	4.5	1.3	3.7	5.0	2.6	4.5
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	< 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.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472788	1472789	1472790	1472791	1472792	1472793	1472794	1472795	1472796	1472796
Order No.:	Client Sample Ref.:		B4/TP03	B4/TP03	B4/TP04	B4/TP04	B4/TP02	B4/TP02	B4/TP02	B3/TP03	B3/TP03	B3/TP03
	Client Sample ID.:		MG	N	MG	N	MG	MG	N	MG	N	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.0	1.60	0.30	2.10	0.20	0.70	2.00	0.20	1.00	1.00
	Bottom Depth (m):		1.00	2.40	1.30	3.10	0.50	1.70	2.80	0.80	1.90	1.90
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022
	Asbestos Lab:		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								
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	< 0.10	< 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	1.4	< 0.10	0.54	< 0.10	0.12	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.1	< 0.10	0.58	< 0.10	0.26	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.50	< 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	3.5	< 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

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:		1472797	1472798	1472799	1472800	1472801	1472802
Order No.:	Client Sample Ref.:		B3/TP02	B3/TP02	B2/TP03	B2/TP03	B2/TP02	B2/TP02
	Client Sample ID.:		MG	N	MG	N	MG	N
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.20	1.00	0.20	1.50	0.20	1.00
	Bottom Depth (m):		0.80	1.70	1.20	2.10	0.70	2.00
	Date Sampled:		20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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
Moisture	N	2030	%	0.020	17	21	18	15
Soil Colour	N	2040		N/A	Grey	White	White	Black
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay
pH	M	2010		4.0	9.2	8.9	9.1	9.7
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	< 0.40	0.60
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.030	0.011	0.038	0.015
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	7.8	12	3.0	1.1
Arsenic	M	2455	mg/kg	0.5	2.0	< 0.5	3.2	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.13	< 0.10	< 0.10	0.67
Chromium	M	2455	mg/kg	0.5	2.8	0.5	3.7	< 0.5
Copper	M	2455	mg/kg	0.50	28	1.3	34	2.0
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	4.8	0.63	11	3.0
Lead	M	2455	mg/kg	0.50	57	1.2	47	2.2
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	0.30
Vanadium	U	2455	mg/kg	0.5	4.2	0.7	6.0	0.7
Zinc	M	2455	mg/kg	0.50	270	5.6	81	9.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	2.0	2.8	4.3	4.0
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	5.2	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-27703	22-27703	22-27703	22-27703	22-27703	22-27703
Quotation No.:	Chemtest Sample ID.:				1472797	1472798	1472799	1472800	1472801	1472802
Order No.:	Client Sample Ref.:				B3/TP02	B3/TP02	B2/TP03	B2/TP03	B2/TP02	B2/TP02
	Client Sample ID.:				MG	N	MG	N	MG	N
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.20	1.00	0.20	1.50	0.20	1.00
	Bottom Depth (m):				0.80	1.70	1.20	2.10	0.70	2.00
	Date Sampled:				20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-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	290	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	2200	11	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	6400	4.6	< 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	8900	16	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	8900	16	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.49	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.69	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.89	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	11	< 0.10	1.5	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.9	< 0.10	0.54	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	1.7	< 0.10	30	1.8	5.2	0.49
Pyrene	M	2700	mg/kg	0.10	1.6	< 0.10	30	1.8	4.9	0.50
Benzo[a]anthracene	M	2700	mg/kg	0.10	0.59	< 0.10	15	0.77	2.8	< 0.10
Chrysene	M	2700	mg/kg	0.10	0.60	< 0.10	16	0.81	2.5	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	16	< 0.10	3.1	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.7	< 0.10	1.3	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	14	< 0.10	2.9	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	7.9	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.5	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.9	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	4.5	< 2.0	160	5.2	25	< 2.0
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	0.52	< 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.: 22-31013-1
Initial Date of Issue: 19-Aug-2022
Client AA Environmental Ltd
Client Address: Units 4 to 8
Cholswell Court
Shippon
Abingdon
Oxfordshire
OX136HX
Contact(s): Reporting
Project 223159 Saunderton - 223159
Quotation No.:
Order No.:
No. of Samples: 13
Turnaround (Wkdays): 4
Date Approved: 19-Aug-2022

Date Received: 15-Aug-2022

Date Instructed: 15-Aug-2022

Results Due: 18-Aug-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Bulk Identification Certificate

Client: AA Environmental Ltd
Site Address:
Date Sampled: 11-Aug-2022
Date Received: 15-Aug-2022

Your Ref.:
Project: 223159 Saunderton - 223159
Job Number: 22-31013
No Samples:
Date Reported: 19-Aug-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1487587	AS34		A6/TP01	0.00	1.45	2185	U	COVENTRY	Cement	Chrysotile
1487588	AS36		A5/TP01	0.50		2185	U	COVENTRY	Cement	Chrysotile
1487589	AS37		A2/TP04	0.00	0.35	2185	U	COVENTRY	Cement	Chrysotile Crocidolite

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)

Results - Miscellaneous Solid

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd		Chemtest Job No.:		22-31013	
Quotation No.:		Chemtest Sample ID.:		1487593	
		Sample Location:		S.P. Macadam	
		Sample Type:		MISCSOLID	
		Date Sampled:		11-Aug-2022	
Determinand	Accred.	SOP	Units	LOD	
Naphthalene	N	2700	mg/kg	0.10	< 0.10
Acenaphthylene	N	2700	mg/kg	0.10	< 0.10
Acenaphthene	N	2700	mg/kg	0.10	< 0.10
Fluorene	N	2700	mg/kg	0.10	< 0.10
Phenanthrene	N	2700	mg/kg	0.10	4.4
Anthracene	N	2700	mg/kg	0.10	1.3
Fluoranthene	N	2700	mg/kg	0.10	40
Pyrene	N	2700	mg/kg	0.10	38
Benzo[a]anthracene	N	2700	mg/kg	0.10	5.9
Chrysene	N	2700	mg/kg	0.10	6.7
Benzo[b]fluoranthene	N	2700	mg/kg	0.10	11
Benzo[k]fluoranthene	N	2700	mg/kg	0.10	3.1
Benzo[a]pyrene	N	2700	mg/kg	0.10	8.3
Indeno(1,2,3-c,d)Pyrene	N	2700	mg/kg	0.10	< 0.10
Dibenz(a,h)Anthracene	N	2700	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene	N	2700	mg/kg	0.10	< 0.10
Total Of 16 PAH's	N	2700	mg/kg	2.0	120
Moisture	N		%	0.10	< 0.10

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013
Quotation No.:	Chemtest Sample ID.:		1487578	1487579	1487580	1487581	1487582	1487583	1487584	1487585		
	Sample Location:		A6/TP01	A6/TP01	A5/TP04	A5/TP04	A5/TP01	A4/TP05	A4/TP01	A3/TP04		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.00	1.45	0.00	1.45	0.00	0.00	0.00	0.00		
	Bottom Depth (m):		1.45	2.00	1.45	2.00	1.35	0.85	0.70	0.65		
	Date Sampled:		11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022		
	Asbestos Lab:		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	No Asbestos Detected	No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001					<0.001			
Total Asbestos	U	2192	%	0.001					<0.001			
Moisture	N	2030	%	0.020	11	15	9.8	60	10	14	13	14
Soil Colour	N	2040		N/A	Brown	Beige	Brown	Beige	Brown	Beige	Beige	Beige
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Chalk	Sand	Chalk	Sand	Chalk	Chalk	Chalk
pH	M	2010		4.0	8.7	8.8	8.8	8.9	9.3	8.7	9.0	9.1
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	1.6	0.41	1.8	< 0.40	1.3	< 0.40	< 0.40	< 0.40
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	< 0.010	0.037	< 0.010	0.084	0.25	0.011	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.90	< 0.50
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	14	1.8	2.5	0.94	1.0	8.0	3.1	1.1
Arsenic	M	2455	mg/kg	0.5	0.9	< 0.5	2.4	< 0.5	3.5	< 0.5	< 0.5	< 0.5
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.19	< 0.10	0.20	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	3.7	1.4	6.1	0.8	7.4	0.9	1.1	1.0
Copper	M	2455	mg/kg	0.50	2.7	1.4	13	0.86	15	4.9	1.8	2.7
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	3.7	1.2	6.9	0.55	8.2	1.0	1.5	1.4
Lead	M	2455	mg/kg	0.50	4.8	1.8	21	0.87	16	2.5	1.5	2.0
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	0.28	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	4.2	1.5	19	5.0	24	1.7	1.3	1.0
Zinc	M	2455	mg/kg	0.50	33	15	54	5.8	64	11	8.8	10
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	0.89	< 0.20	1.6	< 0.20	0.60	< 0.20	< 0.20	< 0.20
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

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013	22-31013
Quotation No.:	Chemtest Sample ID.:		1487578	1487579	1487580	1487581	1487582	1487583	1487584	1487585	
	Sample Location:		A6/TP01	A6/TP01	A5/TP04	A5/TP04	A5/TP01	A4/TP05	A4/TP01	A3/TP04	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.00	1.45	0.00	1.45	0.00	0.00	0.00	0.00	
	Bottom Depth (m):		1.45	2.00	1.45	2.00	1.35	0.85	0.70	0.65	
	Date Sampled:		11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	11-Aug-2022	
	Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	
Determinand	Accred.	SOP	Units	LOD							
Aromatic TPH >C10-C12	M	2680	mg/kg	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
Aromatic TPH >C16-C21	U	2680	mg/kg	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
Aromatic TPH >C35-C44	N	2680	mg/kg	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
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.38	< 0.10	0.25	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	0.42	< 0.10	0.56	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10	1.2	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	2.3	< 0.10	1.8	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	13	< 0.10	21	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.9	< 0.10	7.3	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	17	< 0.10	34	0.86	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	17	< 0.10	31	0.92	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	7.2	< 0.10	13	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	6.1	< 0.10	11	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	9.9	< 0.10	14	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	3.8	< 0.10	5.7	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	8.1	< 0.10	12	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	5.1	< 0.10	6.4	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	1.4	< 0.10	1.7	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	5.0	< 0.10	6.1	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	100	< 2.0	170	< 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

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013		
Quotation No.:	Chemtest Sample ID.:		1487586		
	Sample Location:		A3/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.00		
	Bottom Depth (m):		1.00		
	Date Sampled:		11-Aug-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
ACM Type	U	2192		N/A	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	
Total Asbestos	U	2192	%	0.001	
Moisture	N	2030	%	0.020	14
Soil Colour	N	2040		N/A	Beige
Other Material	N	2040		N/A	Stones
Soil Texture	N	2040		N/A	Chalk
pH	M	2010		4.0	8.6
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	0.16
Cyanide (Total)	M	2300	mg/kg	0.50	6.2
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	6.8
Arsenic	M	2455	mg/kg	0.5	1.4
Cadmium	M	2455	mg/kg	0.10	0.22
Chromium	M	2455	mg/kg	0.5	3.9
Copper	M	2455	mg/kg	0.50	18
Mercury	M	2455	mg/kg	0.05	0.10
Nickel	M	2455	mg/kg	0.50	4.1
Lead	M	2455	mg/kg	0.50	17
Selenium	M	2455	mg/kg	0.25	< 0.25
Vanadium	U	2455	mg/kg	0.5	1.8
Zinc	M	2455	mg/kg	0.50	47
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20	0.28
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	< 1.0
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	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
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

Results - Soil

Project: 223159 Saunderton - 223159

Client: AA Environmental Ltd	Chemtest Job No.:		22-31013		
Quotation No.:	Chemtest Sample ID.:		1487586		
	Sample Location:		A3/TP01		
	Sample Type:		SOIL		
	Top Depth (m):		0.00		
	Bottom Depth (m):		1.00		
	Date Sampled:		11-Aug-2022		
	Asbestos Lab:		COVENTRY		
Determinand	Accred.	SOP	Units	LOD	
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10
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	0.35
Pyrene	M	2700	mg/kg	0.10	0.48
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

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
2185	Asbestos	Asbestos	Polarised light microscopy
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



Comment

B2/TP03 - Validation

Project

223159 - Sauderton

Photo Plate

1

Date

03/08/2022

Originator

Jack Taylor



AAe

AA Environmental Limited

Units 4-8 Cholswell Court

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Comment

B2/TP03 - Validation

Project

223159 - Saunderton

Photo Plate

2

Date

03/08/2022

Originator

Jack Taylor



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Comment

B2/TP03 – V/B1

Project

223159 - Saunderton

Photo Plate

3

Date

03/08/2022

Originator

Jack Taylor



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Comment

B2/TP03 – V/B2

Project

223159 - Saunderton

Photo Plate

4

Date

03/08/2022

Originator

Jack Taylor



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Comment

B3/TP02 - Validation

Project

223159 - Saunderton

Photo Plate

1

Date

03/08/2022

Originator

Jack Taylor



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Comment

B3/TP02 – V/B1

Project

223159 - Saunderton

Photo Plate

3

Date

03/08/2022

Originator

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Comment

B3/TP02 – V/B2

Project

223159 - Saunderton

Photo Plate

4

Date

03/08/2022

Originator

Jack Taylor



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Comment C2/TP01 verification area.	Project 223159 – Saunderton
	Photo Plate 3
	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

C2/TP01 verification area – natural arisings observed.

Project

223159 – Saunderton

Photo Plate

4

Date

13/07/2022

Originator

Kieran Evans


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Comment

C2/TP05 verification area.

Project

223159 - Sauderton

Photo Plate

1

Date

13/07/2022

Originator

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Comment

C2/TP05 verification area - observed natural arisings.

Project

223159 - Saunderton

Photo Plate

2

Date

13/07/2022

Originator

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Comment

C3/TP01 validation area.

Project

223159 - Saunderton

Photo Plate

1

Date

21/07/2022

Originator

Kieran Evans



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Comment

C3/TP01 V/B1 sampling area.

Project

223159 - Saunderton

Photo Plate

2

Date

21/07/2022

Originator

Kieran Evans



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Comment C3/TP01 V/B2 sampling area.	Project 223159 – Saunderton
	Photo Plate 3
	Date 21/07/2022
	Originator Kieran Evans
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**Comment**

C3/TP01 V/B3 sampling area.

Project

223159 – Saunderton

Photo Plate

4

Date

21/07/2022

Originator

Kieran Evans

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Comment

C3/TP01 V/B4 sampling area.

Project

223159 – Saunderton

Photo Plate

5

Date

21/07/2022

Originator

Kieran Evans



AA Environmental Limited

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**Comment**

C3/TP01 V/B5 sampling area.

Project

223159 – Saunderton

Photo Plate

6

Date

21/07/2022

Originator

Kieran Evans

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Comment

Suspect Asbestos Containing Material (ACM) encountered along the western haul road.

Project

223159 - Saunderton

Photo Plate

1

Date

14/07/2022

Originator

Kieran Evans



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Comment

Suspect ACM encountered along the western haul road

Project

223159 - Saunderton

Photo Plate

2

Date

14/07/2022

Originator

Kieran Evans



AAe

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Comment

Facing northwards from where the suspected ACM was encountered.

Project

223159 – Saunderton

Photo Plate

3

Date

14/07/2022

Originator

Kieran Evans



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Comment

Facing southwards from where the suspected ACM was encountered.

Project

223159 – Saunderton

Photo Plate

4

Date

14/07/2022

Originator

Kieran Evans



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Comment

Suspected ACM encountered along the western haul road.

Project

223159 – Saunderton

Photo Plate

5

Date

14/07/2022

Originator

Kieran Evans


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Comment Excavation and verification area (V/B1, V/N1, V/W1, and V/S1) located adjacent to the haul road where suspected ACM fragments were observed.	Project 223159 – Saunderton
	Photo Plate 6
	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



2183

Final Report

Report No.: 22-26900-1
Initial Date of Issue: 19-Jul-2022
Client AA Environmental Ltd

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

Contact(s): Reporting

Project 223159 Sanderton

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

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

No. of Samples: 6

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

Date Approved: 19-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Sanderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-26900	22-26900	22-26900	22-26900	22-26900	22-26900
Quotation No.:	Chemtest Sample ID.:		1469137	1469138	1469139	1469140	1469141	1469143
Order No.:	Client Sample Ref.:						C2/TP05	C2/TP01
	Client Sample ID.:		V1	V2	V3	V4	V/B1	V/B1
	Sample Location:		CRUSHED STOCKPILE	CRUSHED STOCKPILE	CRUSHED STOCKPILE	CRUSHED STOCKPILE		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:		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
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

Test Methods

SOP	Title	Parameters included	Method summary
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



2183

Final Report

Report No.: 22-27711-1
Initial Date of Issue: 27-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:** 22-Jul-2022

Order No.: **Date Instructed:** 22-Jul-2022

No. of Samples: 5

Turnaround (Wkdays): 3 **Results Due:** 26-Jul-2022

Date Approved: 26-Jul-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:					22-27711	22-27711	22-27711	22-27711	22-27711
Quotation No.:	Chemtest Sample ID.:					1472839	1472840	1472841	1472842	1472843
Order No.:	Client Sample Ref.:					V/B1	V/B2	V/B3	V/B4	V/B5
	Sample Location:					C3/TP01	C3/TP01	C3/TP01	C3/TP01	C3/TP01
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					21-Jul-2022	21-Jul-2022	21-Jul-2022	21-Jul-2022	21-Jul-2022
Determinand	Accred.	SOP	Units	LOD						
Moisture	N	2030	%	0.020	19	20	19	19	19	19
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	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	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	U	2680	mg/kg	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
Aromatic TPH >C12-C16	U	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	U	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

Test Methods

SOP	Title	Parameters included	Method summary
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
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

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

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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.: 22-29535-1
Initial Date of Issue: 08-Aug-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:** 04-Aug-2022

Order No.: 223159 **Date Instructed:** 04-Aug-2022

No. of Samples: 15

Turnaround (Wkdays): 3 **Results Due:** 08-Aug-2022

Date Approved: 08-Aug-2022

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535
Quotation No.:	Chemtest Sample ID.:				1481021	1481022	1481023	1481024	1481025	1481026	1481027	1481028	1481029
Order No.: 223159	Client Sample Ref.:				V-B1	V-B2	V-B1	V-B2	V-B1	V-B2	V-N1	V-E1	V-E2
	Sample Location:				B4/TP04	B4/TP04	B2/TP03	B2/TP03	B3/TP02	B3/TP02	B4/TP01	B4/TP01	B4/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-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			13	15			17	18	19
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	U	2680	mg/kg	1.0			< 1.0	< 1.0			< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0			< 1.0	< 1.0			< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0			< 1.0	< 1.0			< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0			< 1.0	< 1.0			< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	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	U	2680	mg/kg	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
Aromatic TPH >C12-C16	U	2680	mg/kg	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
Aromatic TPH >C21-C35	U	2680	mg/kg	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
Total Aromatic Hydrocarbons	N	2680	mg/kg	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
Dichlorodifluoromethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Chloromethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Vinyl Chloride	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Bromomethane	U	2760	µg/kg	20							< 20	< 20	< 20
Chloroethane	U	2760	µg/kg	2.0							< 2.0	< 2.0	< 2.0
Trichlorofluoromethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Bromochloromethane	U	2760	µg/kg	5.0							< 5.0	< 5.0	< 5.0
Trichloromethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Tetrachloromethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Benzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535	22-29535
Quotation No.:	Chemtest Sample ID.:				1481021	1481022	1481023	1481024	1481025	1481026	1481027	1481028	1481029
Order No.: 223159	Client Sample Ref.:				V-B1	V-B2	V-B1	V-B2	V-B1	V-B2	V-N1	V-E1	V-E2
	Sample Location:				B4/TP04	B4/TP04	B2/TP03	B2/TP03	B3/TP02	B3/TP02	B4/TP01	B4/TP01	B4/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022
	Asbestos Lab:				NEW-ASB	NEW-ASB			NEW-ASB	NEW-ASB			
Determinand	Accred.	SOP	Units	LOD									
1,2-Dichloroethane	U	2760	µg/kg	2.0							< 2.0	< 2.0	< 2.0
Trichloroethene	N	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Dibromomethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Bromodichloromethane	U	2760	µg/kg	5.0							< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10
Toluene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10							< 10	< 10	< 10
1,1,2-Trichloroethane	U	2760	µg/kg	10							< 10	< 10	< 10
Tetrachloroethene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0							< 2.0	< 2.0	< 2.0
Dibromochloromethane	U	2760	µg/kg	10							< 10	< 10	< 10
1,2-Dibromoethane	U	2760	µg/kg	5.0							< 5.0	< 5.0	< 5.0
Chlorobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0							< 2.0	< 2.0	< 2.0
Ethylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
m & p-Xylene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
o-Xylene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Styrene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Tribromomethane	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Isopropylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Bromobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50							< 50	< 50	< 50
N-Propylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
2-Chlorotoluene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50							< 50	< 50	< 50
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0							< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0							< 2.0	< 2.0	< 2.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:									
Quotation No.:	Chemtest Sample ID.:									
Order No.: 223159	Client Sample Ref.:									
	Sample Location:									
	Sample Type:									
	Date Sampled:									
	Asbestos Lab:									
Determinand	Accred.	SOP	Units	LOD						
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0					< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:				22-29535	22-29535	22-29535	22-29535	22-29535	22-29535
Quotation No.:	Chemtest Sample ID.:				1481030	1481031	1481032	1481033	1481034	1481035
Order No.: 223159	Client Sample Ref.:				V-W1	V-W2	V-S1	V-B1	V-B2	V-B3
	Sample Location:				B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:				03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022
	Asbestos Lab:									
Determinand	Accred.	SOP	Units	LOD						
ACM Type	U	2192		N/A						
Asbestos Identification	U	2192		N/A						
Moisture	N	2030	%	0.020	18	17	20	20	19	19
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	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	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	U	2680	mg/kg	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
Aromatic TPH >C12-C16	U	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	U	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
Dichlorodifluoromethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	U	2760	µg/kg	20	< 20	< 20	< 20	< 20	< 20	< 20
Chloroethane	U	2760	µg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichlorofluoromethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis 1,2-Dichloroethene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	U	2760	µg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichloromethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	U	2760	µg/kg	1.0	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:		22-29535	22-29535	22-29535	22-29535	22-29535	22-29535
Quotation No.:	Chemtest Sample ID.:		1481030	1481031	1481032	1481033	1481034	1481035
Order No.: 223159	Client Sample Ref.:		V-W1	V-W2	V-S1	V-B1	V-B2	V-B3
	Sample Location:		B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:		03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022
	Asbestos Lab:							
Determinand	Accred.	SOP	Units	LOD				
1,2-Dichloroethane	U	2760	µg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene	N	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	U	2760	µg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	< 10	< 10	< 10	< 10
Toluene	U	2760	µg/kg	1.0	2.2	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	< 10	< 10	< 10	< 10
1,1,2-Trichloroethane	U	2760	µg/kg	10	< 10	< 10	< 10	< 10
Tetrachloroethene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Dibromochloromethane	U	2760	µg/kg	10	< 10	< 10	< 10	< 10
1,2-Dibromoethane	U	2760	µg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	U	2760	µg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	< 50	< 50	< 50	< 50
N-Propylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	< 50	< 50	< 50	< 50
1,2,4-Trichlorobenzene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 223159 Saunderton

Client: AA Environmental Ltd	Chemtest Job No.:					22-29535	22-29535	22-29535	22-29535	22-29535	22-29535
Quotation No.:	Chemtest Sample ID.:					1481030	1481031	1481032	1481033	1481034	1481035
Order No.: 223159	Client Sample Ref.:					V-W1	V-W2	V-S1	V-B1	V-B2	V-B3
	Sample Location:					B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01	B4/TP01
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022	03-Aug-2022
	Asbestos Lab:										
Determinand	Accred.	SOP	Units	LOD							
Methyl Tert-Butyl Ether	U	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Test Methods

SOP	Title	Parameters included	Method summary
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
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
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
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.

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

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



DARVF-AYHQB-YK1E2

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in **pale yellow**.

Job name

Saunderton (MADE GROUND)

Description/Comments

Project

223159-MG

Site

Saunderton (MG)

Classified by

Name:

Jack Taylor

Date:

21 Jun 2022 10:49 GMT

Telephone:

01235 536042

Company:

AA Environmental Limited

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

-

Course

Hazardous Waste Classification

Date

-

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP310	0.5	Non Hazardous		3
2	TP311	0.7	Non Hazardous		5
3	TP312	1.3	Non Hazardous		7
4	TP313	0.5	Non Hazardous		9
5	TP314	0.5	Non Hazardous		11
6	TP315	0.6	Non Hazardous		13
7	TP316	0.4	Non Hazardous		15
8	TP317	0.7	Non Hazardous		17
9	TP318	0.5	Non Hazardous		20
10	TP322	0.7	Non Hazardous		22
11	TP323	0.7	Non Hazardous		24
12	TP324	1.2	Non Hazardous		26
13	TP327	0.45	Non Hazardous		28
14	TP329	0.4	Hazardous	HP 8	30
15	TP332	0.6	Non Hazardous		32
16	TP332[2]	1.1	Non Hazardous		35
17	TP334	0.4	Hazardous	HP 3(i), HP 7, HP 11	38
18	TP335	0.4	Hazardous	HP 3(i), HP 7, HP 11, HP 14	41
19	TP342	0.4	Hazardous	HP 8	44
20	D1/TP01	0.05 - 0.80	Non Hazardous		46
21	D1/TP02	0.05 - 0.80	Hazardous	HP 3(i), HP 7, HP 11	49
22	E1/TP01	0.05 - 0.85	Non Hazardous		52
23	E1/TP02	0.30 - 1.30	Non Hazardous		55
24	E2/TP02	0.10 - 1.10	Non Hazardous		58
25	E2/TP01	0.05 - 0.80	Non Hazardous		61
26	D2/TP02	0.20 - 1.20	Non Hazardous		64
27	D2/TP01	0.20 - 0.50	Non Hazardous		67
28	D2/TP03	0.00 - 0.50	Non Hazardous		70
29	E2/TP04	0.00 - 0.50	Non Hazardous		73
30	E2/TP03	0.12 - 0.45	Non Hazardous		76

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
31	E2/TP05	0.10 - 1.30	Non Hazardous		79
32	D2/TP05	0.35 - 0.70	Hazardous	HP 3(i), HP 7, HP 11	82
33	D3/TP02	0.25 - 0.65	Hazardous	HP 3(i), HP 7, HP 11	85
34	D3/TP03	0.40 - 1.1	Non Hazardous		88
35	D4/TP05	0.30 - 1.30	Non Hazardous		91
36	D4/TP04	0.20 - 1.30	Hazardous	HP 3(i), HP 7, HP 11	94
37	E3/TP01	0.20 - 0.45	Non Hazardous		97
38	E3/TP02	0.70 - 1.70	Non Hazardous		100
39	E4/TP03 (SP)	N/A	Non Hazardous		103
40	E5/TP01	0.25 - 1.10	Hazardous	HP 3(i), HP 7, HP 10, HP 11, HP 14	105
41	C2/TP02	0.00 - 0.70	Non Hazardous		108
42	D3/TP05	0.60 - 0.85	Non Hazardous		111
43	D4/TP02	0.00 - 0.50	Non Hazardous		114
44	D5/TP05	0.40 - 0.70	Non Hazardous		117
45	D6/TP02	0.00 - 0.10	Hazardous	HP 3(i), HP 7, HP 11	120
46	D6/TP03	0.00 - 0.10	Hazardous	HP 3(i), HP 7, HP 11	123
47	D6/TP05	0.08 - 0.40	Hazardous	HP 3(i), HP 7, HP 11	126
48	E4/TP03	0.00 - 0.50	Non Hazardous		129
49	E5/TP02	0.00 - 0.80	Non Hazardous		132
50	D5/TP03	0.00 - 0.10	Non Hazardous		135
51	E6/TP01	0.00 - 0.20	Non Hazardous		138
52	E6/TP02	0.00 - 0.90	Non Hazardous		141
53	E4/TP01 (SP)	N/A	Non Hazardous		144
54	E4/TP02 (SP)	N/A	Non Hazardous		147

Related documents

#	Name	Description
1	AAe 2020 (V1.2 GB)	waste stream template used to create this Job

Report

Created by: Jack Taylor

Created date: 21 Jun 2022 10:49 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	150
Appendix B: Rationale for selection of metal species	151
Appendix C: Version	152

Classification of sample: TP310

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name: **TP310** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.5 m** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3	1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
2	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2	0.7	mg/kg	3.22	2.254	mg/kg	0.000225 %		
3	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0	0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
4	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
5	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	5.3	mg/kg	1.126	5.967	mg/kg	0.000597 %		
6	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	mg/kg	1.56	1.56	mg/kg	0.0001 %		
7	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
8	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	2.9	mg/kg	2.976	8.631	mg/kg	0.000863 %		
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
10	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	12	mg/kg	2.774	33.29	mg/kg	0.00333 %		
11	pH		PH		9.3	pH		9.3	pH	9.3 pH		
12	naphthalene	601-052-00-2	202-049-5	91-20-3	0.05	mg/kg		0.05	mg/kg	0.000005 %		
13	acenaphthylene		205-917-1	208-96-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
14	acenaphthene		201-469-6	83-32-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
15	fluorene		201-695-5	86-73-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		
16	phenanthrene		201-581-5	85-01-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
17	anthracene		204-371-1	120-12-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.00603 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP311

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name: **TP311** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.7 m** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				3.9 mg/kg	1.32	5.149 mg/kg	0.000515 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				1 mg/kg	3.22	3.22 mg/kg	0.000322 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %			
	048-002-00-0	215-146-2	1306-19-0								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2 mg/kg	1.923	2.308 mg/kg	0.000231 %			
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				30 mg/kg	1.126	33.777 mg/kg	0.00338 %			
	029-002-00-X	215-270-7	1317-39-1								
6	lead { lead chromate }			1	8.3 mg/kg	1.56	12.946 mg/kg	0.00083 %			
	082-004-00-2	231-846-0	7758-97-6								
7	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %			
	080-010-00-X	231-299-8	7487-94-7								
8	nickel { nickel chromate }				12 mg/kg	2.976	35.715 mg/kg	0.00357 %			
	028-035-00-7	238-766-5	14721-18-7								
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	1.405	1.405 mg/kg	0.000141 %			
	034-002-00-8										
10	zinc { zinc chromate }				40 mg/kg	2.774	110.966 mg/kg	0.0111 %			
	024-007-00-3	236-878-9	13530-65-9								
11	pH				8.7 pH		8.7 pH	8.7 pH			
			PH								
12	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %			
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		205-917-1	208-96-8								
14	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-469-6	83-32-9								
15	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-695-5	86-73-7								
16	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-581-5	85-01-8								
17	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		204-371-1	120-12-7								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0205 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP312

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP312	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.3 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1.3	mg/kg	1.32	1.716	mg/kg	0.000172 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				2.1	mg/kg	3.22	6.762	mg/kg	0.000676 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				100	mg/kg	1.126	112.589	mg/kg	0.0113 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	8.8	mg/kg	1.56	13.726	mg/kg	0.00088 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				63	mg/kg	2.774	174.771	mg/kg	0.0175 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				8.6	pH		8.6	pH	8.6 pH		
			PH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.25	mg/kg		0.25	mg/kg	0.000025 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.81 mg/kg		0.81 mg/kg	0.000081 %		
19	pyrene	204-927-3	129-00-0		0.79 mg/kg		0.79 mg/kg	0.000079 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.44 mg/kg		0.44 mg/kg	0.000044 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.26 mg/kg		0.26 mg/kg	0.000026 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.22 mg/kg		0.22 mg/kg	0.000022 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.23 mg/kg		0.23 mg/kg	0.000023 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.035 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP313

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name: **TP313** LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.5 m** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.2	mg/kg	1.32	5.545	mg/kg	0.000555 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.5	mg/kg	3.22	4.83	mg/kg	0.000483 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				12	mg/kg	1.126	13.511	mg/kg	0.00135 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	19	mg/kg	1.56	29.636	mg/kg	0.0019 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				44	mg/kg	2.774	122.062	mg/kg	0.0122 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				8.5	pH		8.5	pH	8.5 pH		
			PH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0212 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP314

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP314	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.5 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.3	mg/kg	1.32	8.318	mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				0.1	mg/kg	2.775	0.278	mg/kg	0.0000278 %		
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				0.3	mg/kg	3.22	0.966	mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.3	mg/kg	1.462	7.746	mg/kg	0.000775 %		
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
7	copper { dicopper oxide; copper (I) oxide }				8.1	mg/kg	1.126	9.12	mg/kg	0.000912 %		
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	2.9	mg/kg	1.56	4.523	mg/kg	0.00029 %		
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				9	mg/kg	2.976	26.786	mg/kg	0.00268 %		
	028-035-00-7	238-766-5	14721-18-7									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
12	zinc { zinc chromate }				16	mg/kg	2.774	44.386	mg/kg	0.00444 %		
	024-007-00-3	236-878-9	13530-65-9									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1	mg/kg	1.884	1.884	mg/kg	0.000188 %		
	006-007-00-5											
14	pH				8.7	pH		8.7	pH	8.7 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
31	phenol				2 mg/kg		2 mg/kg	0.0002 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.011 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP315

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name: **TP315** LoW Code: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: **0.6 m** Chapter: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
Entry:

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				9.5	mg/kg	1.126	10.696	mg/kg	0.00107 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	10	mg/kg	1.56	15.598	mg/kg	0.001 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				3.3	mg/kg	2.976	9.822	mg/kg	0.000982 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				28	mg/kg	2.774	77.676	mg/kg	0.00777 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				8.6	pH		8.6	pH	8.6 pH		
			PH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0119 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP316

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP316	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.4 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
3.1% (no correction)	

Hazard properties

None identified

Determinands

Moisture content: 3.1% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				18 mg/kg	1.32	23.766 mg/kg	0.00238 %		
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.2 mg/kg	2.775	0.555 mg/kg	0.0000555 %		
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				1 mg/kg	1.142	1.142 mg/kg	0.000114 %		
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.3 mg/kg	1.462	12.131 mg/kg	0.00121 %		
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2 mg/kg	1.923	2.308 mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				18 mg/kg	1.126	20.266 mg/kg	0.00203 %		
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	240 mg/kg	1.56	374.356 mg/kg	0.024 %		
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				7.2 mg/kg	2.976	21.429 mg/kg	0.00214 %		
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.6 mg/kg	1.405	3.653 mg/kg	0.000365 %		
	034-002-00-8									
12	zinc { zinc chromate }				140 mg/kg	2.774	388.381 mg/kg	0.0388 %		
	024-007-00-3	236-878-9	13530-65-9							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1 mg/kg	1.884	1.884 mg/kg	0.000188 %		
	006-007-00-5									
14	pH				8.6 pH		8.6 pH	8.6 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
31	phenol				2 mg/kg		2 mg/kg	0.0002 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.072 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP317

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP317	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.7 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
5%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 5% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							
2	beryllium { beryllium oxide }				0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
	004-003-00-8	215-133-1	1304-56-9							
3	boron { diboron trioxide; boric oxide }				0.2 mg/kg	3.22	0.644 mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2							
4	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0							
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				23 mg/kg	1.462	33.616 mg/kg	0.00336 %		
		215-160-9	1308-38-9							
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2 mg/kg	1.923	2.308 mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0							
7	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
	029-002-00-X	215-270-7	1317-39-1							
8	lead { lead chromate }			1	9.5 mg/kg	1.56	14.818 mg/kg	0.00095 %		
	082-004-00-2	231-846-0	7758-97-6							
9	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7							
10	nickel { nickel chromate }				19 mg/kg	2.976	56.549 mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7							
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1 mg/kg	1.405	1.405 mg/kg	0.000141 %		
	034-002-00-8									
12	zinc { zinc chromate }				32 mg/kg	2.774	88.773 mg/kg	0.00888 %		
	024-007-00-3	236-878-9	13530-65-9							
13	TPH (C6 to C40) petroleum group				68 mg/kg		68 mg/kg	0.0068 %		
			TPH							
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				1 mg/kg		1 mg/kg	0.0001 %		
	603-181-00-X	216-653-1	1634-04-4							
15	benzene				1 mg/kg		1 mg/kg	0.0001 %		
	601-020-00-8	200-753-7	71-43-2							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	toluene 601-021-00-3	203-625-9	108-88-3		1 mg/kg		1 mg/kg	0.0001 %		
17	ethylbenzene 601-023-00-4	202-849-4	100-41-4		1 mg/kg		1 mg/kg	0.0001 %		
18	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		1 mg/kg		1 mg/kg	0.0001 %		
19	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex } 006-007-00-5				1 mg/kg	1.884	1.884 mg/kg	0.000188 %		
20	pH		PH		8.8 pH		8.8 pH	8.8 pH		
21	naphthalene 601-052-00-2	202-049-5	91-20-3		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	acenaphthylene 205-917-1	208-96-8			0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	acenaphthene 201-469-6	83-32-9			0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	fluorene 201-695-5	86-73-7			0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	phenanthrene 201-581-5	85-01-8			0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	anthracene 204-371-1	120-12-7			0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	fluoranthene 205-912-4	206-44-0			0.1 mg/kg		0.1 mg/kg	0.00001 %		
28	pyrene 204-927-3	129-00-0			0.1 mg/kg		0.1 mg/kg	0.00001 %		
29	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
30	chrysene 601-048-00-0	205-923-4	218-01-9		0.05 mg/kg		0.05 mg/kg	0.000005 %		
31	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
32	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
33	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
34	indeno[123-cd]pyrene 205-893-2	193-39-5			0.1 mg/kg		0.1 mg/kg	0.00001 %		
35	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
36	benzo[ghi]perylene 205-883-8	191-24-2			0.05 mg/kg		0.05 mg/kg	0.000005 %		
37	phenol 604-001-00-2	203-632-7	108-95-2		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0301 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.0001%)

benzene: (conc.: 0.0001%)

toluene: (conc.: 0.0001%)

ethylbenzene: (conc.: 0.0001%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.0068%)

xylene: (conc.: 0.0001%)

Classification of sample: TP318

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP318	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.5 m	
Moisture content:	
1.5%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 1.5% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				2.4 mg/kg	1.32	3.169 mg/kg	0.000317 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				0.8 mg/kg	3.22	2.576 mg/kg	0.000258 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %			
	048-002-00-0	215-146-2	1306-19-0								
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2 mg/kg	1.923	2.308 mg/kg	0.000231 %			
	024-001-00-0	215-607-8	1333-82-0								
5	copper { dicopper oxide; copper (I) oxide }				49 mg/kg	1.126	55.169 mg/kg	0.00552 %			
	029-002-00-X	215-270-7	1317-39-1								
6	lead { lead chromate }			1	27 mg/kg	1.56	42.115 mg/kg	0.0027 %			
	082-004-00-2	231-846-0	7758-97-6								
7	mercury { mercury dichloride }				0.3 mg/kg	1.353	0.406 mg/kg	0.0000406 %			
	080-010-00-X	231-299-8	7487-94-7								
8	nickel { nickel chromate }				8.8 mg/kg	2.976	26.191 mg/kg	0.00262 %			
	028-035-00-7	238-766-5	14721-18-7								
9	selenium { selenium compounds with the exception of cadmium selenide and those specified elsewhere in this Annex }				1 mg/kg	1.405	1.405 mg/kg	0.000141 %			
	034-002-00-8										
10	zinc { zinc chromate }				200 mg/kg	2.774	554.829 mg/kg	0.0555 %			
	024-007-00-3	236-878-9	13530-65-9								
11	pH		PH		8.5 pH		8.5 pH	8.5 pH			
12	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %			
	601-052-00-2	202-049-5	91-20-3								
13	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		205-917-1	208-96-8								
14	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-469-6	83-32-9								
15	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-695-5	86-73-7								
16	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %			
		201-581-5	85-01-8								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0677 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP322



Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP322	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.7 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				4.6	mg/kg	1.126	5.179	mg/kg	0.000518 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	1	mg/kg	1.56	1.56	mg/kg	0.0001 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				1.7	mg/kg	2.976	5.06	mg/kg	0.000506 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				2.1	mg/kg	1.405	2.951	mg/kg	0.000295 %		
	034-002-00-8											
10	zinc { zinc chromate }				6.3	mg/kg	2.774	17.477	mg/kg	0.00175 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				8.5	pH		8.5	pH	8.5 pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.004 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP323

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP323	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.7 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.3	mg/kg	1.32	8.318	mg/kg	0.000832 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				2.1	mg/kg	3.22	6.762	mg/kg	0.000676 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				25	mg/kg	1.126	28.147	mg/kg	0.00281 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	36	mg/kg	1.56	56.153	mg/kg	0.0036 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				9.6	mg/kg	2.976	28.572	mg/kg	0.00286 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				82	mg/kg	2.774	227.48	mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				10.5	pH		10.5	pH	10.5 pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.56 mg/kg		0.56 mg/kg	0.000056 %		
19	pyrene	204-927-3	129-00-0		0.49 mg/kg		0.49 mg/kg	0.000049 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.32 mg/kg		0.32 mg/kg	0.000032 %		
21	chrysene	601-048-00-0	205-923-4		0.21 mg/kg		0.21 mg/kg	0.000021 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.36 mg/kg		0.36 mg/kg	0.000036 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.15 mg/kg		0.15 mg/kg	0.000015 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.25 mg/kg		0.25 mg/kg	0.000025 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0345 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP324

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP324	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.2 m	

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.1	mg/kg	1.32	2.773	mg/kg	0.000277 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	3.542	mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				7.7	mg/kg	1.126	8.669	mg/kg	0.000867 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	2.6	mg/kg	1.56	4.056	mg/kg	0.00026 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				4.9	mg/kg	2.976	14.584	mg/kg	0.00146 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				19	mg/kg	2.774	52.709	mg/kg	0.00527 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				10.3	pH		10.3	pH	10.3 pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.00927 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP327

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP327	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.45 m	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				3.1	mg/kg	1.126	3.49	mg/kg	0.000349 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	1	mg/kg	1.56	1.56	mg/kg	0.0001 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				2.3	mg/kg	2.976	6.845	mg/kg	0.000685 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				5.4	mg/kg	2.774	14.98	mg/kg	0.0015 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				8.2	pH		8.2	pH	8.2 pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
16	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
17	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.00361 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP329

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP329	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.4 m	

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 12.3 pH)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				15	mg/kg	1.32	19.805	mg/kg	0.00198 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				2.3	mg/kg	3.22	7.406	mg/kg	0.000741 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				14	mg/kg	1.126	15.762	mg/kg	0.00158 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	5.7	mg/kg	1.56	8.891	mg/kg	0.00057 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				12	mg/kg	2.976	35.715	mg/kg	0.00357 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				23	mg/kg	2.774	63.805	mg/kg	0.00638 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				12.3	pH		12.3	pH	12.3 pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0156 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP332

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP332	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.6 m		
Moisture content:		
19%		
(no correction)		

Hazard properties

None identified

Determinands

Moisture content: **19% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				1.1	mg/kg	1.462	1.608	mg/kg	0.000161 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				3.7	mg/kg	1.126	4.166	mg/kg	0.000417 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	1.3	mg/kg	1.56	2.028	mg/kg	0.00013 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3.6	mg/kg	2.976	10.715	mg/kg	0.00107 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulposelenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
11	zinc { zinc chromate }				7.3	mg/kg	2.774	20.251	mg/kg	0.00203 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				1	mg/kg		1	mg/kg	0.0001 %		
	603-181-00-X	216-653-1	1634-04-4									
14	benzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-020-00-8	200-753-7	71-43-2									
15	toluene				1	mg/kg		1	mg/kg	0.0001 %		
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	ethylbenzene 601-023-00-4	202-849-4	100-41-4		1 mg/kg		1 mg/kg	0.0001 %		
17	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		1 mg/kg		1 mg/kg	0.0001 %		
18	pH		PH		9 pH		9 pH	9pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		0.05 mg/kg		0.05 mg/kg	0.000005 %		
20	acenaphthylene 205-917-1		208-96-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	acenaphthene 201-469-6		83-32-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
22	fluorene 201-695-5		86-73-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	phenanthrene 201-581-5		85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	anthracene 204-371-1		120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	fluoranthene 205-912-4		206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	pyrene 204-927-3		129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
28	chrysene 601-048-00-0	205-923-4	218-01-9		0.05 mg/kg		0.05 mg/kg	0.000005 %		
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
32	indeno[123-cd]pyrene 205-893-2		193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
34	benzo[ghi]perylene 205-883-8		191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
35	phenol 604-001-00-2	203-632-7	108-95-2		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.00634 %		

Key

- User supplied data
 - Determinand defined or amended by HazWasteOnline (see Appendix A)
 - Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.0001%)

benzene: (conc.: 0.0001%)

toluene: (conc.: 0.0001%)

ethylbenzene: (conc.: 0.0001%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

xylene: (conc.: 0.0001%)

Classification of sample: TP332[2]

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP332[2]	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
1.1 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
20%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 20% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.2	mg/kg	3.22	0.644	mg/kg	0.0000644 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				1	mg/kg	1.462	1.462	mg/kg	0.000146 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				5.3	mg/kg	1.126	5.967	mg/kg	0.000597 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	5.2	mg/kg	1.56	8.111	mg/kg	0.00052 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.1	mg/kg	2.976	6.25	mg/kg	0.000625 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
11	zinc { zinc chromate }				7	mg/kg	2.774	19.419	mg/kg	0.00194 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				1	mg/kg		1	mg/kg	0.0001 %		
	603-181-00-X	216-653-1	1634-04-4									
14	benzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-020-00-8	200-753-7	71-43-2									
15	toluene				1	mg/kg		1	mg/kg	0.0001 %		
	601-021-00-3	203-625-9	108-88-3									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	ethylbenzene				1 mg/kg		1 mg/kg	0.0001 %		
	601-023-00-4	202-849-4	100-41-4							
17	xylene				1 mg/kg		1 mg/kg	0.0001 %		
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
18	pH				8.8 pH		8.8 pH	8.8 pH		
			PH							
19	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
21	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
22	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
23	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
24	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
25	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
26	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
27	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
35	phenol				2 mg/kg		2 mg/kg	0.0002 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00631 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.0001%)

benzene: (conc.: 0.0001%)

toluene: (conc.: 0.0001%)

ethylbenzene: (conc.: 0.0001%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

xylene: (conc.: 0.0001%)

Classification of sample: TP334

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP334	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.4 m	Entry:
	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.104%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.104%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.0001%)

benzene: (conc.: 0.0001%)

toluene: (conc.: 0.0001%)

ethylbenzene: (conc.: 0.0001%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.104%)

xylene: (conc.: 0.0001%)

Determinands

Moisture content: **0% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }				21 mg/kg	1.32	27.727	mg/kg	0.00277 %		
	033-003-00-0	215-481-4	1327-53-3								

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
2	boron { diboron trioxide; boric oxide }				11	mg/kg	3.22	35.419	mg/kg	0.00354 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				1.8	mg/kg	1.142	2.056	mg/kg	0.000206 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				1100	mg/kg	1.126	1238.477	mg/kg	0.124 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	110	mg/kg	1.56	171.58	mg/kg	0.011 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				83	mg/kg	2.976	247.03	mg/kg	0.0247 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				330	mg/kg	2.774	915.468	mg/kg	0.0915 %		
	024-007-00-3	236-878-9	13530-65-9									
11	TPH (C6 to C40) petroleum group				1042.3	mg/kg		1042.3	mg/kg	0.104 %		
			TPH									
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				1	mg/kg		1	mg/kg	0.0001 %		
	603-181-00-X	216-653-1	1634-04-4									
13	benzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-020-00-8	200-753-7	71-43-2									
14	toluene				1	mg/kg		1	mg/kg	0.0001 %		
	601-021-00-3	203-625-9	108-88-3									
15	ethylbenzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-023-00-4	202-849-4	100-41-4									
16	xylene				1	mg/kg		1	mg/kg	0.0001 %		
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
17	pH				10.5	pH		10.5	pH	10.5 pH		
			PH									
18	naphthalene				0.65	mg/kg		0.65	mg/kg	0.000065 %		
	601-052-00-2	202-049-5	91-20-3									
19	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
20	acenaphthene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		201-469-6	83-32-9									
21	fluorene				1.2	mg/kg		1.2	mg/kg	0.00012 %		
		201-695-5	86-73-7									
22	phenanthrene				8.1	mg/kg		8.1	mg/kg	0.00081 %		
		201-581-5	85-01-8									
23	anthracene				1.6	mg/kg		1.6	mg/kg	0.00016 %		
		204-371-1	120-12-7									
24	fluoranthene				5.6	mg/kg		5.6	mg/kg	0.00056 %		
		205-912-4	206-44-0									
25	pyrene				5	mg/kg		5	mg/kg	0.0005 %		
		204-927-3	129-00-0									
26	benzo[a]anthracene				2.9	mg/kg		2.9	mg/kg	0.00029 %		
	601-033-00-9	200-280-6	56-55-3									
27	chrysene				3	mg/kg		3	mg/kg	0.0003 %		
	601-048-00-0	205-923-4	218-01-9									
28	benzo[b]fluoranthene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
	601-034-00-4	205-911-9	205-99-2									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
29	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		1.1 mg/kg		1.1 mg/kg	0.00011 %		
30	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		1.7 mg/kg		1.7 mg/kg	0.00017 %		
31	indeno[123-cd]pyrene 205-893-2	193-39-5			0.5 mg/kg		0.5 mg/kg	0.00005 %		
32	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.1 mg/kg		0.1 mg/kg	0.00001 %		
33	benzo[ghi]perylene 205-883-8	191-24-2			0.68 mg/kg		0.68 mg/kg	0.000068 %		
34	phenol 604-001-00-2	203-632-7	108-95-2		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.367 %		

Key

	User supplied data
	Hazardous result
	Potentially Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP335

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
TP335	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.4 m		
Moisture content:		
8.9%		
(no correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1A; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

zinc chromate: (compound conc.: 0.252%)

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinands:

lead chromate: (Note 1 conc.: 0.11%)

TPH (C6 to C40) petroleum group: (conc.: 0.265%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.265%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead chromate: (Note 1 conc.: 0.11%)

zinc chromate: (compound conc.: 0.252%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane: (conc.: 0.0001%)

benzene: (conc.: 0.0001%)

toluene: (conc.: 0.0001%)

ethylbenzene: (conc.: 0.0001%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinands:

TPH (C6 to C40) petroleum group: (conc.: 0.265%)

xylene: (conc.: 0.0001%)

Determinands

Moisture content: 8.9% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				63	mg/kg	1.32	83.181	mg/kg	0.00832 %		
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				5.7	mg/kg	2.775	15.819	mg/kg	0.00158 %		
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				3.5	mg/kg	3.22	11.27	mg/kg	0.00113 %		
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				1.6	mg/kg	1.142	1.828	mg/kg	0.000183 %		
	048-002-00-0	215-146-2	1306-19-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
7	copper { dicopper oxide; copper (I) oxide }				660	mg/kg	1.126	743.086	mg/kg	0.0743 %		
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	1100	mg/kg	1.56	1715.797	mg/kg	0.11 %		
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				100	mg/kg	2.976	297.626	mg/kg	0.0298 %		
	028-035-00-7	238-766-5	14721-18-7									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
12	zinc { zinc chromate }				910	mg/kg	2.774	2524.473	mg/kg	0.252 %		
	024-007-00-3	236-878-9	13530-65-9									
13	TPH (C6 to C40) petroleum group				2651	mg/kg		2651	mg/kg	0.265 %		
			TPH									
14	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				1	mg/kg		1	mg/kg	0.0001 %		
	603-181-00-X	216-653-1	1634-04-4									
15	benzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-020-00-8	200-753-7	71-43-2									
16	toluene				1	mg/kg		1	mg/kg	0.0001 %		
	601-021-00-3	203-625-9	108-88-3									
17	ethylbenzene				1	mg/kg		1	mg/kg	0.0001 %		
	601-023-00-4	202-849-4	100-41-4									
18	xylene				1	mg/kg		1	mg/kg	0.0001 %		
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19	pH				9.6	pH		9.6	pH	9.6 pH		
			PH									
20	naphthalene				7	mg/kg		7	mg/kg	0.0007 %		
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				2	mg/kg		2	mg/kg	0.0002 %		
		205-917-1	208-96-8									
22	acenaphthene				24	mg/kg		24	mg/kg	0.0024 %		
		201-469-6	83-32-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
23	fluorene	201-695-5	86-73-7		37 mg/kg		37 mg/kg	0.0037 %		
24	phenanthrene	201-581-5	85-01-8		250 mg/kg		250 mg/kg	0.025 %		
25	anthracene	204-371-1	120-12-7		58 mg/kg		58 mg/kg	0.0058 %		
26	fluoranthene	205-912-4	206-44-0		190 mg/kg		190 mg/kg	0.019 %		
27	pyrene	204-927-3	129-00-0		140 mg/kg		140 mg/kg	0.014 %		
28	benzo[a]anthracene	601-033-00-9	200-280-6		72 mg/kg		72 mg/kg	0.0072 %		
29	chrysene	601-048-00-0	205-923-4		53 mg/kg		53 mg/kg	0.0053 %		
30	benzo[b]fluoranthene	601-034-00-4	205-911-9		59 mg/kg		59 mg/kg	0.0059 %		
31	benzo[k]fluoranthene	601-036-00-5	205-916-6		30 mg/kg		30 mg/kg	0.003 %		
32	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		45 mg/kg		45 mg/kg	0.0045 %		
33	indeno[123-cd]pyrene	205-893-2	193-39-5		22 mg/kg		22 mg/kg	0.0022 %		
34	dibenz[a,h]anthracene	601-041-00-2	200-181-8		6.4 mg/kg		6.4 mg/kg	0.00064 %		
35	benzo[ghi]perylene	205-883-8	191-24-2		26 mg/kg		26 mg/kg	0.0026 %		
36	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.851 %		

Key

- User supplied data
- Hazardous result
- Potentially Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: TP342

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
TP342	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.4 m	Entry:
	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 8: Corrosive "waste which on application can cause skin corrosion"

pH; pH "Assumed to be irritant/corrosive because of pH value"

Because of determinand:

pH: (conc.: 12 pH)

Determinands

Moisture content: **0% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				11	mg/kg	1.32	14.524	mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				2.6	mg/kg	3.22	8.372	mg/kg	0.000837 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
5	copper { dicopper oxide; copper (I) oxide }				21	mg/kg	1.126	23.644	mg/kg	0.00236 %		
	029-002-00-X	215-270-7	1317-39-1									
6	lead { lead chromate }			1	4.2	mg/kg	1.56	6.551	mg/kg	0.00042 %		
	082-004-00-2	231-846-0	7758-97-6									
7	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
8	nickel { nickel chromate }				8.5	mg/kg	2.976	25.298	mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7									
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
10	zinc { zinc chromate }				29	mg/kg	2.774	80.45	mg/kg	0.00805 %		
	024-007-00-3	236-878-9	13530-65-9									
11	pH				12	pH		12	pH	12pH		
			pH									
12	naphthalene				0.05	mg/kg		0.05	mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3									
13	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
14	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
15	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	chrysene	601-048-00-0	205-923-4		0.05 mg/kg		0.05 mg/kg	0.000005 %		
22	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	benzo[ghi]perylene	205-883-8	191-24-2		0.05 mg/kg		0.05 mg/kg	0.000005 %		
28	phenol	604-001-00-2	203-632-7		2 mg/kg		2 mg/kg	0.0002 %		
Total:								0.0164 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)

Classification of sample: D1/TP01

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D1/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.05 - 0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
18%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **18% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				3 mg/kg	1.32	3.961 mg/kg	0.000396 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				1.2 mg/kg	3.22	3.864 mg/kg	0.000386 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.228 mg/kg	0.0000228 %			
	048-002-00-0	215-146-2	1306-19-0								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.1 mg/kg	1.462	10.377 mg/kg	0.00104 %			
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %			
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				6.1 mg/kg	1.126	6.868 mg/kg	0.000687 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	20 mg/kg	1.56	31.196 mg/kg	0.002 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				6.3 mg/kg	2.976	18.75 mg/kg	0.00188 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.64 mg/kg	1.405	0.899 mg/kg	0.0000899 %			
	034-002-00-8										
11	zinc { zinc chromate }				26 mg/kg	2.774	72.128 mg/kg	0.00721 %			
	024-007-00-3	236-878-9	13530-65-9								
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %			
			TPH								
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %			
	006-007-00-5										
14	pH				8.4 pH		8.4 pH	8.4 pH			
			PH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0153 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

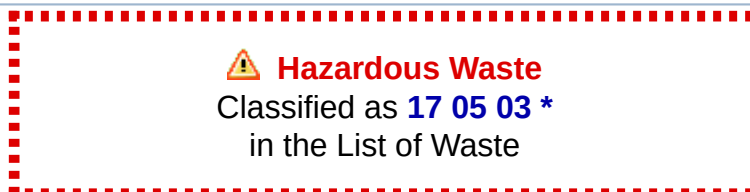
Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D1/TP02



Sample details

Sample name:	LoW Code:	
D1/TP02	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.05 - 0.80 m		
Moisture content:		
7.8%		
(no correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.13%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.13%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.13%)

Determinands

Moisture content: 7.8% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				6.6 mg/kg	1.32	8.714 mg/kg	0.000871 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.68 mg/kg	3.22	2.19 mg/kg	0.000219 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		7.9	mg/kg	1.462	11.546	mg/kg	0.00115 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	3.4	mg/kg	1.126	3.828	mg/kg	0.000383 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	4.2	mg/kg	1.56	6.551	mg/kg	0.00042 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	7	mg/kg	2.976	20.834	mg/kg	0.00208 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.52	mg/kg	1.405	0.731	mg/kg	0.0000731 %		
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	16	mg/kg	2.774	44.386	mg/kg	0.00444 %		
12	TPH (C6 to C40) petroleum group		TPH		1300	mg/kg		1300	mg/kg	0.13 %		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
14	pH		PH		10.3	pH		10.3	pH	10.3 pH		
15	naphthalene	601-052-00-2	202-049-5	91-20-3	1.9	mg/kg		1.9	mg/kg	0.00019 %		
16	acenaphthylene		205-917-1	208-96-8	0.58	mg/kg		0.58	mg/kg	0.000058 %		
17	acenaphthene		201-469-6	83-32-9	12	mg/kg		12	mg/kg	0.0012 %		
18	fluorene		201-695-5	86-73-7	10	mg/kg		10	mg/kg	0.001 %		
19	phenanthrene		201-581-5	85-01-8	76	mg/kg		76	mg/kg	0.0076 %		
20	anthracene		204-371-1	120-12-7	19	mg/kg		19	mg/kg	0.0019 %		
21	fluoranthene		205-912-4	206-44-0	98	mg/kg		98	mg/kg	0.0098 %		
22	pyrene		204-927-3	129-00-0	81	mg/kg		81	mg/kg	0.0081 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	36	mg/kg		36	mg/kg	0.0036 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	45	mg/kg		45	mg/kg	0.0045 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	55	mg/kg		55	mg/kg	0.0055 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	19	mg/kg		19	mg/kg	0.0019 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	38	mg/kg		38	mg/kg	0.0038 %		
28	indeno[123-cd]pyrene		205-893-2	193-39-5	30	mg/kg		30	mg/kg	0.003 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	7.6	mg/kg		7.6	mg/kg	0.00076 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		29 mg/kg		29 mg/kg	0.0029 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	560 mg/kg		560 mg/kg	0.056 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.252 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: E1/TP01

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E1/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.05 - 0.85 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
15%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **15% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1.6	mg/kg	1.32	2.113	mg/kg	0.000211 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.42	mg/kg	3.22	1.352	mg/kg	0.000135 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3.3	mg/kg	1.462	4.823	mg/kg	0.000482 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				2.4	mg/kg	1.126	2.702	mg/kg	0.00027 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	2.5	mg/kg	1.56	3.9	mg/kg	0.00025 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3.4	mg/kg	2.976	10.119	mg/kg	0.00101 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				8	mg/kg	2.774	22.193	mg/kg	0.00222 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				9	pH		9	pH	9pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00619 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E1/TP02

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E1/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 - 1.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				1.9 mg/kg	1.32	2.509 mg/kg	0.000251 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				1.1 mg/kg	3.22	3.542 mg/kg	0.000354 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.11 mg/kg	1.142	0.126 mg/kg	0.0000126 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.2 mg/kg	1.462	6.139 mg/kg	0.000614 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				2.8 mg/kg	1.126	3.152 mg/kg	0.000315 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	5.6 mg/kg	1.56	8.735 mg/kg	0.00056 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				4.1 mg/kg	2.976	12.203 mg/kg	0.00122 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.41 mg/kg	1.405	0.576 mg/kg	0.0000576 %		
	034-002-00-8									
11	zinc { zinc chromate }				12 mg/kg	2.774	33.29 mg/kg	0.00333 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				8.6 pH		8.6 pH	8.6 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.67 mg/kg		0.67 mg/kg	0.000067 %		
		205-912-4	206-44-0							
22	pyrene				0.91 mg/kg		0.91 mg/kg	0.000091 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00842 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E2/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E2/TP02	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 - 1.10 m	
Moisture content:	
9.1%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.1% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.2	mg/kg	1.32	5.545	mg/kg	0.000555 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.6	mg/kg	3.22	5.152	mg/kg	0.000515 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.1	mg/kg	1.462	10.377	mg/kg	0.00104 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				5.2	mg/kg	1.126	5.855	mg/kg	0.000585 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	6.8	mg/kg	1.56	10.607	mg/kg	0.00068 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				5.8	mg/kg	2.976	17.262	mg/kg	0.00173 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.29	mg/kg	1.405	0.407	mg/kg	0.0000407 %		
	034-002-00-8											
11	zinc { zinc chromate }				22	mg/kg	2.774	61.031	mg/kg	0.0061 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				9.9	pH		9.9	pH	9.9 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.98 mg/kg		0.98 mg/kg	0.000098 %		
		201-581-5	85-01-8							
20	anthracene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
		204-371-1	120-12-7							
21	fluoranthene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
		205-912-4	206-44-0							
22	pyrene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				1.7 mg/kg		1.7 mg/kg	0.00017 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				2 mg/kg		2 mg/kg	0.0002 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	15 mg/kg		15 mg/kg	0.0015 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0155 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E2/TP01

✓ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E2/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.05 - 0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 11% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.3 mg/kg	1.32	4.357 mg/kg	0.000436 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.51 mg/kg	3.22	1.642 mg/kg	0.000164 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.52 mg/kg	1.142	0.594 mg/kg	0.0000594 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3.9 mg/kg	1.462	5.7 mg/kg	0.00057 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5.6 mg/kg	1.126	6.305 mg/kg	0.00063 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	30 mg/kg	1.56	46.794 mg/kg	0.003 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				4.7 mg/kg	2.976	13.988 mg/kg	0.0014 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.37 mg/kg	1.405	0.52 mg/kg	0.000052 %		
	034-002-00-8									
11	zinc { zinc chromate }				79 mg/kg	2.774	219.158 mg/kg	0.0219 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				9.8 pH		9.8 pH	9.8 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.31 mg/kg		0.31 mg/kg	0.000031 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0298 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D2/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D2/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 - 1.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **11% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.3	mg/kg	1.32	4.357	mg/kg	0.000436 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.66	mg/kg	3.22	2.125	mg/kg	0.000213 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.12	mg/kg	1.142	0.137	mg/kg	0.0000137 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.1	mg/kg	1.462	7.454	mg/kg	0.000745 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	6.2	mg/kg	1.56	9.671	mg/kg	0.00062 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3.9	mg/kg	2.976	11.607	mg/kg	0.00116 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulposelenide and those specified elsewhere in this Annex }				0.29	mg/kg	1.405	0.407	mg/kg	0.0000407 %		
	034-002-00-8											
11	zinc { zinc chromate }				18	mg/kg	2.774	49.935	mg/kg	0.00499 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				11	pH		11	pH	11pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0106 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D2/TP01

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D2/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 - 0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				5.7 mg/kg	1.32	7.526 mg/kg	0.000753 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.6 mg/kg	3.22	1.932 mg/kg	0.000193 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.2 mg/kg	1.462	11.985 mg/kg	0.0012 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				5.1 mg/kg	1.126	5.742 mg/kg	0.000574 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	3.9 mg/kg	1.56	6.083 mg/kg	0.00039 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				7 mg/kg	2.976	20.834 mg/kg	0.00208 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %		
	034-002-00-8									
11	zinc { zinc chromate }				17 mg/kg	2.774	47.16 mg/kg	0.00472 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				64 mg/kg		64 mg/kg	0.0064 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				10.6 pH		10.6 pH	10.6 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0169 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0064%)

Classification of sample: D2/TP03

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D2/TP03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **13% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				3.5	mg/kg	1.32	4.621	mg/kg	0.000462 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.9	mg/kg	3.22	6.118	mg/kg	0.000612 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.23	mg/kg	1.142	0.263	mg/kg	0.0000263 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.7	mg/kg	1.462	11.254	mg/kg	0.00113 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	16	mg/kg	1.56	24.957	mg/kg	0.0016 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				8.2	mg/kg	2.976	24.405	mg/kg	0.00244 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.34	mg/kg	1.405	0.478	mg/kg	0.0000478 %		
	034-002-00-8											
11	zinc { zinc chromate }				51	mg/kg	2.774	141.481	mg/kg	0.0141 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				8.6	pH		8.6	pH	8.6 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0232 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E2/TP04

✓ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E2/TP04	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
8.9%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 8.9% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.9	mg/kg	1.32	3.829	mg/kg	0.000383 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1	mg/kg	3.22	3.22	mg/kg	0.000322 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.5	mg/kg	1.142	0.571	mg/kg	0.0000571 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3.1	mg/kg	1.462	4.531	mg/kg	0.000453 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				4.3	mg/kg	1.126	4.841	mg/kg	0.000484 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	17	mg/kg	1.56	26.517	mg/kg	0.0017 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2.9	mg/kg	2.976	8.631	mg/kg	0.000863 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				8.9	pH		8.9	pH	8.9 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0192 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E2/TP03

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E2/TP03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.12 - 0.45 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **12% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.1	mg/kg	1.32	6.734	mg/kg	0.000673 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.55	mg/kg	3.22	1.771	mg/kg	0.000177 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.24	mg/kg	1.142	0.274	mg/kg	0.0000274 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.8	mg/kg	1.462	11.4	mg/kg	0.00114 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				7.6	mg/kg	1.126	8.557	mg/kg	0.000856 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	35	mg/kg	1.56	54.594	mg/kg	0.0035 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				6.2	mg/kg	2.976	18.453	mg/kg	0.00185 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				82	mg/kg	2.774	227.48	mg/kg	0.0227 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10	pH		10	pH	10pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
		201-581-5	85-01-8							
20	anthracene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		204-371-1	120-12-7							
21	fluoranthene				5.4 mg/kg		5.4 mg/kg	0.00054 %		
		205-912-4	206-44-0							
22	pyrene				5.9 mg/kg		5.9 mg/kg	0.00059 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				2.9 mg/kg		2.9 mg/kg	0.00029 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				3.5 mg/kg		3.5 mg/kg	0.00035 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				2.8 mg/kg		2.8 mg/kg	0.00028 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				2.1 mg/kg		2.1 mg/kg	0.00021 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.87 mg/kg		0.87 mg/kg	0.000087 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				2 mg/kg		2 mg/kg	0.0002 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	32 mg/kg		32 mg/kg	0.0032 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0387 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E2/TP05

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E2/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.10 - 1.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1.8	mg/kg	1.32	2.377	mg/kg	0.000238 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.12	mg/kg	1.142	0.137	mg/kg	0.0000137 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.1	mg/kg	1.462	5.992	mg/kg	0.000599 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				9.6	mg/kg	1.126	10.809	mg/kg	0.00108 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	11	mg/kg	1.56	17.158	mg/kg	0.0011 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				4.1	mg/kg	2.976	12.203	mg/kg	0.00122 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				32	mg/kg	2.774	88.773	mg/kg	0.00888 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				100	mg/kg		100	mg/kg	0.01 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				8.4	pH		8.4	pH	8.4 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-912-4	206-44-0							
22	pyrene				2.3 mg/kg		2.3 mg/kg	0.00023 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	4.1 mg/kg		4.1 mg/kg	0.00041 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.15 mg/kg		0.15 mg/kg	0.000015 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0245 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.01%)

Classification of sample: D2/TP05

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
D2/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.35 - 0.70 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
15%	
(no correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.43%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.43%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.43%)

Determinands

Moisture content: **15% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				6.8 mg/kg	1.32	8.978 mg/kg	0.000898 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.28 mg/kg	1.142	0.32 mg/kg	0.000032 %			
	048-002-00-0	215-146-2	1306-19-0								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		7.7 mg/kg	1.462	11.254 mg/kg	0.00113 %			
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %			
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	87 mg/kg	1.126	97.952 mg/kg	0.0098 %			
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	670 mg/kg	1.56	1045.076 mg/kg	0.067 %			
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %			
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	13 mg/kg	2.976	38.691 mg/kg	0.00387 %			
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %			
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	190 mg/kg	2.774	527.088 mg/kg	0.0527 %			
12	TPH (C6 to C40) petroleum group		TPH		4300 mg/kg		4300 mg/kg	0.43 %			
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %			
14	pH		PH		11 pH		11 pH	11pH			
15	naphthalene	601-052-00-2	202-049-5	91-20-3	2.5 mg/kg		2.5 mg/kg	0.00025 %			
16	acenaphthylene		205-917-1	208-96-8	0.74 mg/kg		0.74 mg/kg	0.000074 %			
17	acenaphthene		201-469-6	83-32-9	3.4 mg/kg		3.4 mg/kg	0.00034 %			
18	fluorene		201-695-5	86-73-7	4.5 mg/kg		4.5 mg/kg	0.00045 %			
19	phenanthrene		201-581-5	85-01-8	37 mg/kg		37 mg/kg	0.0037 %			
20	anthracene		204-371-1	120-12-7	10 mg/kg		10 mg/kg	0.001 %			
21	fluoranthene		205-912-4	206-44-0	43 mg/kg		43 mg/kg	0.0043 %			
22	pyrene		204-927-3	129-00-0	39 mg/kg		39 mg/kg	0.0039 %			
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	16 mg/kg		16 mg/kg	0.0016 %			
24	chrysene	601-048-00-0	205-923-4	218-01-9	17 mg/kg		17 mg/kg	0.0017 %			
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	17 mg/kg		17 mg/kg	0.0017 %			
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	6.9 mg/kg		6.9 mg/kg	0.00069 %			
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	14 mg/kg		14 mg/kg	0.0014 %			
28	indeno[123-cd]pyrene		205-893-2	193-39-5	8.9 mg/kg		8.9 mg/kg	0.00089 %			
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	4.5 mg/kg		4.5 mg/kg	0.00045 %			

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		6.7 mg/kg		6.7 mg/kg	0.00067 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	230 mg/kg		230 mg/kg	0.023 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.612 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

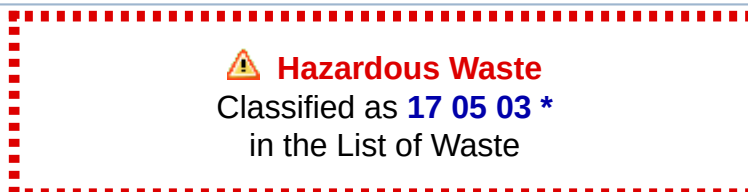
Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: D3/TP02



Sample details

Sample name:	LoW Code:	
D3/TP02	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.25 - 0.65 m		
Moisture content:		
16%		
(no correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.19%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.19%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.19%)

Determinands

Moisture content: **16% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.4 mg/kg	1.32	4.489 mg/kg	0.000449 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.77 mg/kg	3.22	2.479 mg/kg	0.000248 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.56 mg/kg	1.142	0.64 mg/kg	0.000064 %		
	048-002-00-0	215-146-2	1306-19-0							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		11	mg/kg	1.462	16.077	mg/kg	0.00161 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	11	mg/kg	1.126	12.385	mg/kg	0.00124 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	17	mg/kg	1.56	26.517	mg/kg	0.0017 %	
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	8.5	mg/kg	2.976	25.298	mg/kg	0.00253 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.3	mg/kg	1.405	0.422	mg/kg	0.0000422 %		
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	86	mg/kg	2.774	238.577	mg/kg	0.0239 %		
12	TPH (C6 to C40) petroleum group		TPH		1900	mg/kg		1900	mg/kg	0.19 %		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.9	mg/kg	1.884	1.696	mg/kg	0.00017 %		
14	pH		PH		11.1	pH		11.1	pH	11.1 pH		
15	naphthalene	601-052-00-2	202-049-5	91-20-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
16	acenaphthylene		205-917-1	208-96-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
17	acenaphthene		201-469-6	83-32-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
18	fluorene		201-695-5	86-73-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		
19	phenanthrene		201-581-5	85-01-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
20	anthracene		204-371-1	120-12-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		
21	fluoranthene		205-912-4	206-44-0	0.1	mg/kg		0.1	mg/kg	0.00001 %		
22	pyrene		204-927-3	129-00-0	0.1	mg/kg		0.1	mg/kg	0.00001 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.1	mg/kg		0.1	mg/kg	0.00001 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
28	indeno[123-cd]pyrene		205-893-2	193-39-5	0.1	mg/kg		0.1	mg/kg	0.00001 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.222 %		

Key

	User supplied data
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification
CLP: Note H	Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: D3/TP03

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D3/TP03	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 - 1.1 m	
Moisture content:	
21%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 21% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				2.7 mg/kg	1.32	3.565 mg/kg	0.000356 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				0.85 mg/kg	3.22	2.737 mg/kg	0.000274 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.16 mg/kg	1.142	0.183 mg/kg	0.0000183 %			
	048-002-00-0	215-146-2	1306-19-0								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.5 mg/kg	1.462	8.039 mg/kg	0.000804 %			
		215-160-9	1308-38-9								
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %			
	024-001-00-0	215-607-8	1333-82-0								
6	copper { dicopper oxide; copper (I) oxide }				7.9 mg/kg	1.126	8.895 mg/kg	0.000889 %			
	029-002-00-X	215-270-7	1317-39-1								
7	lead { lead chromate }			1	12 mg/kg	1.56	18.718 mg/kg	0.0012 %			
	082-004-00-2	231-846-0	7758-97-6								
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %			
	080-010-00-X	231-299-8	7487-94-7								
9	nickel { nickel chromate }				5.9 mg/kg	2.976	17.56 mg/kg	0.00176 %			
	028-035-00-7	238-766-5	14721-18-7								
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %			
	034-002-00-8										
11	zinc { zinc chromate }				54 mg/kg	2.774	149.804 mg/kg	0.015 %			
	024-007-00-3	236-878-9	13530-65-9								
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %			
			TPH								
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %			
	006-007-00-5										
14	pH				9.1 pH		9.1 pH	9.1 pH			
			PH								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0219 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D4/TP05

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D4/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.30 - 1.30 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
22%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 22% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1.2	mg/kg	1.32	1.584	mg/kg	0.000158 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.76	mg/kg	3.22	2.447	mg/kg	0.000245 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.13	mg/kg	1.142	0.149	mg/kg	0.0000149 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3.8	mg/kg	1.462	5.554	mg/kg	0.000555 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				7.7	mg/kg	1.126	8.669	mg/kg	0.000867 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	11	mg/kg	1.56	17.158	mg/kg	0.0011 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3.8	mg/kg	2.976	11.31	mg/kg	0.00113 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				49	mg/kg	2.774	135.933	mg/kg	0.0136 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				9.4	pH		9.4	pH	9.4 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0193 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D4/TP04

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
D4/TP04	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20 - 1.30 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
13%	
(no correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1A; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

zinc chromate: (compound conc.: 0.133%)

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.2%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.2%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.2%)

Determinands

Moisture content: **13% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
2	boron { diboron trioxide; boric oxide }				0.65	mg/kg	3.22	2.093	mg/kg	0.000209 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.64	mg/kg	1.142	0.731	mg/kg	0.0000731 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14	mg/kg	1.462	20.462	mg/kg	0.00205 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				130	mg/kg	1.126	146.365	mg/kg	0.0146 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	200	mg/kg	1.56	311.963	mg/kg	0.02 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.36	mg/kg	1.405	0.506	mg/kg	0.0000506 %		
	034-002-00-8											
11	zinc { zinc chromate }				480	mg/kg	2.774	1331.59	mg/kg	0.133 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				2000	mg/kg		2000	mg/kg	0.2 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				11.2	pH		11.2	pH	11.2 pH		
			PH									
15	naphthalene				0.71	mg/kg		0.71	mg/kg	0.000071 %		
	601-052-00-2	202-049-5	91-20-3									
16	acenaphthylene				2.2	mg/kg		2.2	mg/kg	0.00022 %		
		205-917-1	208-96-8									
17	acenaphthene				3.9	mg/kg		3.9	mg/kg	0.00039 %		
		201-469-6	83-32-9									
18	fluorene				5	mg/kg		5	mg/kg	0.0005 %		
		201-695-5	86-73-7									
19	phenanthrene				51	mg/kg		51	mg/kg	0.0051 %		
		201-581-5	85-01-8									
20	anthracene				22	mg/kg		22	mg/kg	0.0022 %		
		204-371-1	120-12-7									
21	fluoranthene				130	mg/kg		130	mg/kg	0.013 %		
		205-912-4	206-44-0									
22	pyrene				130	mg/kg		130	mg/kg	0.013 %		
		204-927-3	129-00-0									
23	benzo[a]anthracene				67	mg/kg		67	mg/kg	0.0067 %		
	601-033-00-9	200-280-6	56-55-3									
24	chrysene				68	mg/kg		68	mg/kg	0.0068 %		
	601-048-00-0	205-923-4	218-01-9									
25	benzo[b]fluoranthene				76	mg/kg		76	mg/kg	0.0076 %		
	601-034-00-4	205-911-9	205-99-2									
26	benzo[k]fluoranthene				31	mg/kg		31	mg/kg	0.0031 %		
	601-036-00-5	205-916-6	207-08-9									
27	benzo[a]pyrene; benzo[def]chrysene				66	mg/kg		66	mg/kg	0.0066 %		
	601-032-00-3	200-028-5	50-32-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
28	indeno[123-cd]pyrene	205-893-2	193-39-5		38 mg/kg		38 mg/kg	0.0038 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8		9.5 mg/kg		9.5 mg/kg	0.00095 %		
30	benzo[ghi]perylene	205-883-8	191-24-2		34 mg/kg		34 mg/kg	0.0034 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	740 mg/kg		740 mg/kg	0.074 %		
32	phenol	604-001-00-2	203-632-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
Total:								0.525 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: E3/TP01

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E3/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.20- 0.45 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
6%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 6% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				11 mg/kg	1.32	14.524 mg/kg	0.00145 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				1.1 mg/kg	1.142	1.257 mg/kg	0.000126 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	20.462 mg/kg	0.00205 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				10 mg/kg	1.126	11.259 mg/kg	0.00113 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	86 mg/kg	1.56	134.144 mg/kg	0.0086 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.06 mg/kg	1.353	0.0812 mg/kg	0.00000812 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				13 mg/kg	2.976	38.691 mg/kg	0.00387 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.45 mg/kg	1.405	0.632 mg/kg	0.0000632 %		
	034-002-00-8									
11	zinc { zinc chromate }				140 mg/kg	2.774	388.381 mg/kg	0.0388 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				9.9 pH		9.9 pH	9.9 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0578 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E3/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E3/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.70 - 1.70 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
14%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **14% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.5	mg/kg	1.32	8.582	mg/kg	0.000858 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.99	mg/kg	3.22	3.188	mg/kg	0.000319 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.47	mg/kg	1.142	0.537	mg/kg	0.0000537 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				34	mg/kg	1.462	49.693	mg/kg	0.00497 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				140	mg/kg	1.126	157.624	mg/kg	0.0158 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	31	mg/kg	1.56	48.354	mg/kg	0.0031 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.39	mg/kg	1.405	0.548	mg/kg	0.0000548 %		
	034-002-00-8											
11	zinc { zinc chromate }				93	mg/kg	2.774	257.996	mg/kg	0.0258 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10.2	pH		10.2	pH	10.2 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		205-912-4	206-44-0							
22	pyrene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.83 mg/kg		0.83 mg/kg	0.000083 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.83 mg/kg		0.83 mg/kg	0.000083 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.49 mg/kg		0.49 mg/kg	0.000049 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.8 mg/kg		0.8 mg/kg	0.00008 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	6.4 mg/kg		6.4 mg/kg	0.00064 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0591 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E4/TP03 (SP)

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E4/TP03 (SP)	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
N/A m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
8.7%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 8.7% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				7.3 mg/kg	1.32	9.638 mg/kg	0.000964 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.66 mg/kg	3.22	2.125 mg/kg	0.000213 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.12 mg/kg	1.142	0.137 mg/kg	0.0000137 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	16.077 mg/kg	0.00161 %		
		215-160-9	1308-38-9							
5	copper { dicopper oxide; copper (I) oxide }				9.8 mg/kg	1.126	11.034 mg/kg	0.0011 %		
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	6.6 mg/kg	1.56	10.295 mg/kg	0.00066 %		
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				8.5 mg/kg	2.976	25.298 mg/kg	0.00253 %		
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.43 mg/kg	1.405	0.604 mg/kg	0.0000604 %		
	034-002-00-8									
10	zinc { zinc chromate }				26 mg/kg	2.774	72.128 mg/kg	0.00721 %		
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %		
			TPH							
12	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
13	pH				9.1 pH		9.1 pH	9.1 pH		
			PH							
14	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
15	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
16	acenaphthene	201-469-6	83-32-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
17	fluorene	201-695-5	86-73-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
18	phenanthrene	201-581-5	85-01-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
19	anthracene	204-371-1	120-12-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
20	fluoranthene	205-912-4	206-44-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
21	pyrene	204-927-3	129-00-0		0.1 mg/kg		0.1 mg/kg	0.00001 %		
22	benzo[a]anthracene	601-033-00-9	200-280-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
23	chrysene	601-048-00-0	205-923-4		0.1 mg/kg		0.1 mg/kg	0.00001 %		
24	benzo[b]fluoranthene	601-034-00-4	205-911-9		0.1 mg/kg		0.1 mg/kg	0.00001 %		
25	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.1 mg/kg		0.1 mg/kg	0.00001 %		
26	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
27	indeno[123-cd]pyrene	205-893-2	193-39-5		0.1 mg/kg		0.1 mg/kg	0.00001 %		
28	dibenz[a,h]anthracene	601-041-00-2	200-181-8		0.1 mg/kg		0.1 mg/kg	0.00001 %		
29	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
30	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
31	phenol	604-001-00-2	203-632-7		0.1 mg/kg		0.1 mg/kg	0.00001 %		
Total:								0.0158 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because **In soils**

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E5/TP01

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:	
E5/TP01	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
0.25 - 1.10 m		
Moisture content:		
16%		
(no correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 3.8%)

HP 10: Toxic for reproduction "waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring"

Hazard Statements hit:

Repr. 2; H361d "Suspected of damaging the unborn child."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 3.8%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 3.8%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 2; H411 "Toxic to aquatic life with long lasting effects."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 3.8%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 3.8%)

Determinands

Moisture content: 16% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				4.5	mg/kg	1.32	5.941	mg/kg	0.000594 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				2.7	mg/kg	3.22	8.694	mg/kg	0.000869 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				1.5	mg/kg	1.142	1.713	mg/kg	0.000171 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				170	mg/kg	1.126	191.401	mg/kg	0.0191 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	410	mg/kg	1.56	639.524	mg/kg	0.041 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				28	mg/kg	2.976	83.335	mg/kg	0.00833 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.69	mg/kg	1.405	0.969	mg/kg	0.0000969 %		
	034-002-00-8											
11	zinc { zinc chromate }				140	mg/kg	2.774	388.381	mg/kg	0.0388 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				38000	mg/kg		38000	mg/kg	3.8 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.8	mg/kg	1.884	1.507	mg/kg	0.000151 %		
	006-007-00-5											
14	pH				10	pH		10	pH	10pH		
			PH									
15	naphthalene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3									
16	acenaphthylene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-917-1	208-96-8									
17	acenaphthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-469-6	83-32-9									
18	fluorene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-695-5	86-73-7									
19	phenanthrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		201-581-5	85-01-8									
20	anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-371-1	120-12-7									
21	fluoranthene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		205-912-4	206-44-0									
22	pyrene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		204-927-3	129-00-0									
23	benzo[a]anthracene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3									
24	chrysene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								3.912 %		

Key

	User supplied data
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: C2/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
C2/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.70 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
22%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 22% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				6.1	mg/kg	1.32	8.054	mg/kg	0.000805 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.96	mg/kg	3.22	3.091	mg/kg	0.000309 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				9.1	mg/kg	1.126	10.246	mg/kg	0.00102 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	8.5	mg/kg	1.56	13.258	mg/kg	0.00085 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				16	mg/kg	2.976	47.62	mg/kg	0.00476 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				22	mg/kg	2.774	61.031	mg/kg	0.0061 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				460	mg/kg		460	mg/kg	0.046 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				11.2	pH		11.2	pH	11.2 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.66 mg/kg		0.66 mg/kg	0.000066 %		
		201-581-5	85-01-8							
20	anthracene				0.11 mg/kg		0.11 mg/kg	0.000011 %		
		204-371-1	120-12-7							
21	fluoranthene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		205-912-4	206-44-0							
22	pyrene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.64 mg/kg		0.64 mg/kg	0.000064 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				1.3 mg/kg		1.3 mg/kg	0.00013 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.81 mg/kg		0.81 mg/kg	0.000081 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.45 mg/kg		0.45 mg/kg	0.000045 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.68 mg/kg		0.68 mg/kg	0.000068 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	8 mg/kg		8 mg/kg	0.0008 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0657 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.046%)

Classification of sample: D3/TP05

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D3/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.60 - 0.85 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 9% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.2	mg/kg	1.32	6.866	mg/kg	0.000687 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.79	mg/kg	3.22	2.544	mg/kg	0.000254 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				18	mg/kg	1.462	26.308	mg/kg	0.00263 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				7.3	mg/kg	1.126	8.219	mg/kg	0.000822 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	9.8	mg/kg	1.56	15.286	mg/kg	0.00098 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				11	mg/kg	2.976	32.739	mg/kg	0.00327 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				25	mg/kg	2.774	69.354	mg/kg	0.00694 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10.5	pH		10.5	pH	10.5 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.89 mg/kg		0.89 mg/kg	0.000089 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
		205-912-4	206-44-0							
22	pyrene				1.4 mg/kg		1.4 mg/kg	0.00014 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.55 mg/kg		0.55 mg/kg	0.000055 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.16 mg/kg		0.16 mg/kg	0.000016 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.65 mg/kg		0.65 mg/kg	0.000065 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.32 mg/kg		0.32 mg/kg	0.000032 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.52 mg/kg		0.52 mg/kg	0.000052 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	5.8 mg/kg		5.8 mg/kg	0.00058 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0181 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D4/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D4/TP02	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.00 - 0.50 m	
Moisture content:	
14%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **14% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				5.3	mg/kg	1.32	6.998	mg/kg	0.0007 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.96	mg/kg	3.22	3.091	mg/kg	0.000309 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.19	mg/kg	1.142	0.217	mg/kg	0.0000217 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.3	mg/kg	1.462	13.592	mg/kg	0.00136 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	11	mg/kg	1.56	17.158	mg/kg	0.0011 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.6	mg/kg	2.976	28.572	mg/kg	0.00286 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.54	mg/kg	1.405	0.759	mg/kg	0.0000759 %		
	034-002-00-8											
11	zinc { zinc chromate }				35	mg/kg	2.774	97.095	mg/kg	0.00971 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10.2	pH		10.2	pH	10.2 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.28 mg/kg		0.28 mg/kg	0.000028 %		
		205-917-1	208-96-8							
17	acenaphthene				0.71 mg/kg		0.71 mg/kg	0.000071 %		
		201-469-6	83-32-9							
18	fluorene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		201-695-5	86-73-7							
19	phenanthrene				5.8 mg/kg		5.8 mg/kg	0.00058 %		
		201-581-5	85-01-8							
20	anthracene				2 mg/kg		2 mg/kg	0.0002 %		
		204-371-1	120-12-7							
21	fluoranthene				5.5 mg/kg		5.5 mg/kg	0.00055 %		
		205-912-4	206-44-0							
22	pyrene				5.7 mg/kg		5.7 mg/kg	0.00057 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				2.6 mg/kg		2.6 mg/kg	0.00026 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				3 mg/kg		3 mg/kg	0.0003 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				2.4 mg/kg		2.4 mg/kg	0.00024 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				1.2 mg/kg		1.2 mg/kg	0.00012 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				2.2 mg/kg		2.2 mg/kg	0.00022 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.43 mg/kg		0.43 mg/kg	0.000043 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				1 mg/kg		1 mg/kg	0.0001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	35 mg/kg		35 mg/kg	0.0035 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0255 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D5/TP05

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D5/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.40 - 0.70 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
5.5%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 5.5% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.8	mg/kg	1.32	3.697	mg/kg	0.00037 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1.4	mg/kg	3.22	4.508	mg/kg	0.000451 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3	mg/kg	1.462	4.385	mg/kg	0.000438 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				3.7	mg/kg	1.126	4.166	mg/kg	0.000417 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	2.4	mg/kg	1.56	3.744	mg/kg	0.00024 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3	mg/kg	2.976	8.929	mg/kg	0.000893 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				9.6	mg/kg	2.774	26.632	mg/kg	0.00266 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10.4	pH		10.4	pH	10.4 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.47 mg/kg		0.47 mg/kg	0.000047 %		
		205-912-4	206-44-0							
22	pyrene				0.65 mg/kg		0.65 mg/kg	0.000065 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00718 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: D6/TP02

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
D6/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.10 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
5.8%	
(no correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.14%)

Determinands

Moisture content: **5.8% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				7.1 mg/kg	1.32	9.374 mg/kg	0.000937 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				0.76 mg/kg	3.22	2.447 mg/kg	0.000245 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %			
	048-002-00-0	215-146-2	1306-19-0								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		8.4 mg/kg	1.462	12.277 mg/kg	0.00123 %			
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %			
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	4.7 mg/kg	1.126	5.292 mg/kg	0.000529 %			
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	2.1 mg/kg	1.56	3.276 mg/kg	0.00021 %			
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %			
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	6.1 mg/kg	2.976	18.155 mg/kg	0.00182 %			
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.32 mg/kg	1.405	0.45 mg/kg	0.000045 %			
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	15 mg/kg	2.774	41.612 mg/kg	0.00416 %			
12	TPH (C6 to C40) petroleum group		TPH		1400 mg/kg		1400 mg/kg	0.14 %			
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %			
14	pH		PH		11.3 pH		11.3 pH	11.3 pH			
15	naphthalene	601-052-00-2	202-049-5	91-20-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			
16	acenaphthylene		205-917-1	208-96-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
17	acenaphthene		201-469-6	83-32-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
18	fluorene		201-695-5	86-73-7	0.1 mg/kg		0.1 mg/kg	0.00001 %			
19	phenanthrene		201-581-5	85-01-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
20	anthracene		204-371-1	120-12-7	0.1 mg/kg		0.1 mg/kg	0.00001 %			
21	fluoranthene		205-912-4	206-44-0	0.1 mg/kg		0.1 mg/kg	0.00001 %			
22	pyrene		204-927-3	129-00-0	0.1 mg/kg		0.1 mg/kg	0.00001 %			
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.1 mg/kg		0.1 mg/kg	0.00001 %			
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
28	indeno[123-cd]pyrene		205-893-2	193-39-5	0.1 mg/kg		0.1 mg/kg	0.00001 %			
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.15 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: D6/TP03

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
D6/TP03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.10 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
12%	
(no correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.41%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.41%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.41%)

Determinands

Moisture content: **12% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	 arsenic { arsenic trioxide }				5.4 mg/kg	1.32	7.13	mg/kg	0.000713 %		
	033-003-00-0	215-481-4	1327-53-3								
2	 boron { diboron trioxide; boric oxide }				0.84 mg/kg	3.22	2.705	mg/kg	0.00027 %		
	005-008-00-8	215-125-8	1303-86-2								
3	 cadmium { cadmium oxide }				0.14 mg/kg	1.142	0.16	mg/kg	0.000016 %		
	048-002-00-0	215-146-2	1306-19-0								

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		8.6	mg/kg	1.462	12.569	mg/kg	0.00126 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	16	mg/kg	1.126	18.014	mg/kg	0.0018 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	19	mg/kg	1.56	29.636	mg/kg	0.0019 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	7.5	mg/kg	2.976	22.322	mg/kg	0.00223 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	48	mg/kg	2.774	133.159	mg/kg	0.0133 %		
12	TPH (C6 to C40) petroleum group		TPH		4100	mg/kg		4100	mg/kg	0.41 %		
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
14	pH		PH		10.5	pH		10.5	pH	10.5 pH		
15	naphthalene	601-052-00-2	202-049-5	91-20-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
16	acenaphthylene		205-917-1	208-96-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
17	acenaphthene		201-469-6	83-32-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
18	fluorene		201-695-5	86-73-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		
19	phenanthrene		201-581-5	85-01-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
20	anthracene		204-371-1	120-12-7	0.1	mg/kg		0.1	mg/kg	0.00001 %		
21	fluoranthene		205-912-4	206-44-0	1.1	mg/kg		1.1	mg/kg	0.00011 %		
22	pyrene		204-927-3	129-00-0	1.3	mg/kg		1.3	mg/kg	0.00013 %		
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.1	mg/kg		0.1	mg/kg	0.00001 %		
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.1	mg/kg		0.1	mg/kg	0.00001 %		
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.1	mg/kg		0.1	mg/kg	0.00001 %		
28	indeno[123-cd]pyrene		205-893-2	193-39-5	0.1	mg/kg		0.1	mg/kg	0.00001 %		
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.1	mg/kg		0.1	mg/kg	0.00001 %		

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2.4 mg/kg		2.4 mg/kg	0.00024 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.432 %		

Key

- User supplied data
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: D6/TP05

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
D6/TP05	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.08 - 0.40 m	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
6.5%	
(no correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Determinands

Moisture content: **6.5% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	arsenic { arsenic trioxide }				4 mg/kg	1.32	5.281 mg/kg	0.000528 %			
	033-003-00-0	215-481-4	1327-53-3								
2	boron { diboron trioxide; boric oxide }				0.4 mg/kg	3.22	1.288 mg/kg	0.000129 %			
	005-008-00-8	215-125-8	1303-86-2								
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %			
	048-002-00-0	215-146-2	1306-19-0								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		3.6 mg/kg	1.462	5.262 mg/kg	0.000526 %			
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0	0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %			
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1	3.7 mg/kg	1.126	4.166 mg/kg	0.000417 %			
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	3.8 mg/kg	1.56	5.927 mg/kg	0.00038 %			
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7	0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %			
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7	4.4 mg/kg	2.976	13.096 mg/kg	0.00131 %			
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8			0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %			
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9	14 mg/kg	2.774	38.838 mg/kg	0.00388 %			
12	TPH (C6 to C40) petroleum group		TPH		1100 mg/kg		1100 mg/kg	0.11 %			
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5			0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %			
14	pH		PH		10 pH		10 pH	10pH			
15	naphthalene	601-052-00-2	202-049-5	91-20-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			
16	acenaphthylene		205-917-1	208-96-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
17	acenaphthene		201-469-6	83-32-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
18	fluorene		201-695-5	86-73-7	0.1 mg/kg		0.1 mg/kg	0.00001 %			
19	phenanthrene		201-581-5	85-01-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
20	anthracene		204-371-1	120-12-7	0.1 mg/kg		0.1 mg/kg	0.00001 %			
21	fluoranthene		205-912-4	206-44-0	0.1 mg/kg		0.1 mg/kg	0.00001 %			
22	pyrene		204-927-3	129-00-0	0.1 mg/kg		0.1 mg/kg	0.00001 %			
23	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			
24	chrysene	601-048-00-0	205-923-4	218-01-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
25	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.1 mg/kg		0.1 mg/kg	0.00001 %			
26	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	0.1 mg/kg		0.1 mg/kg	0.00001 %			
27	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.1 mg/kg		0.1 mg/kg	0.00001 %			
28	indeno[123-cd]pyrene		205-893-2	193-39-5	0.1 mg/kg		0.1 mg/kg	0.00001 %			
29	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.1 mg/kg		0.1 mg/kg	0.00001 %			

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
30	benzo[ghi]perylene	205-883-8	191-24-2		0.1 mg/kg		0.1 mg/kg	0.00001 %		
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.118 %		

Key

	User supplied data
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification
CLP: Note H	Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

Classification of sample: E4/TP03

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E4/TP03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.50 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.1	mg/kg	1.32	2.773	mg/kg	0.000277 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.14	mg/kg	1.142	0.16	mg/kg	0.000016 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.1	mg/kg	1.462	7.454	mg/kg	0.000745 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				3.3	mg/kg	1.126	3.715	mg/kg	0.000372 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	8.8	mg/kg	1.56	13.726	mg/kg	0.00088 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				4.2	mg/kg	2.976	12.5	mg/kg	0.00125 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				17	mg/kg	2.774	47.16	mg/kg	0.00472 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				10	mg/kg		10	mg/kg	0.001 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				8.4	pH		8.4	pH	8.4 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00999 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E5/TP02

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E5/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.80 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.6%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.6% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.7	mg/kg	1.32	3.565	mg/kg	0.000356 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				1	mg/kg	3.22	3.22	mg/kg	0.000322 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.8	mg/kg	1.462	7.015	mg/kg	0.000702 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				2.9	mg/kg	1.126	3.265	mg/kg	0.000327 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	10	mg/kg	1.56	15.598	mg/kg	0.001 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				3.4	mg/kg	2.976	10.119	mg/kg	0.00101 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				13	mg/kg	2.774	36.064	mg/kg	0.00361 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				38	mg/kg		38	mg/kg	0.0038 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				10.6	pH		10.6	pH	10.6 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0117 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0038%)

Classification of sample: D5/TP03

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
D5/TP03	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.10 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
9.5%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 9.5% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				1.7 mg/kg	1.32	2.245 mg/kg	0.000224 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.7 mg/kg	3.22	2.254 mg/kg	0.000225 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				2.8 mg/kg	1.462	4.092 mg/kg	0.000409 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				1.9 mg/kg	1.126	2.139 mg/kg	0.000214 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	1.4 mg/kg	1.56	2.184 mg/kg	0.00014 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				1.9 mg/kg	2.976	5.655 mg/kg	0.000565 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %		
	034-002-00-8									
11	zinc { zinc chromate }				5 mg/kg	2.774	13.871 mg/kg	0.00139 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				10 mg/kg		10 mg/kg	0.001 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				11.1 pH		11.1 pH	11.1 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.00478 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.001%)

Classification of sample: E6/TP01

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E6/TP01	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.20 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
11%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **11% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.3	mg/kg	1.32	3.037	mg/kg	0.000304 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.63	mg/kg	3.22	2.029	mg/kg	0.000203 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3.8	mg/kg	1.462	5.554	mg/kg	0.000555 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				1.8	mg/kg	1.126	2.027	mg/kg	0.000203 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	9.8	mg/kg	1.56	15.286	mg/kg	0.00098 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				2	mg/kg	2.976	5.953	mg/kg	0.000595 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				9.8	mg/kg	2.774	27.187	mg/kg	0.00272 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				420	mg/kg		420	mg/kg	0.042 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				11.1	pH		11.1	pH	11.1 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0482 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.042%)

Classification of sample: E6/TP02

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E6/TP02	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.00 - 0.90 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
12%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 12% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				2.2 mg/kg	1.32	2.905 mg/kg	0.00029 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.49 mg/kg	3.22	1.578 mg/kg	0.000158 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.114 mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				5.7 mg/kg	1.462	8.331 mg/kg	0.000833 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				1.9 mg/kg	1.126	2.139 mg/kg	0.000214 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				2.8 mg/kg	2.976	8.334 mg/kg	0.000833 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %		
	034-002-00-8									
11	zinc { zinc chromate }				8.8 mg/kg	2.774	24.412 mg/kg	0.00244 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				340 mg/kg		340 mg/kg	0.034 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				11.2 pH		11.2 pH	11.2 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0396 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.034%)

Classification of sample: E4/TP01 (SP)

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E4/TP01 (SP)	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
N/A m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
19%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: **19% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				2.9	mg/kg	1.32	3.829	mg/kg	0.000383 %		
	033-003-00-0	215-481-4	1327-53-3									
2	boron { diboron trioxide; boric oxide }				0.58	mg/kg	3.22	1.868	mg/kg	0.000187 %		
	005-008-00-8	215-125-8	1303-86-2									
3	cadmium { cadmium oxide }				0.1	mg/kg	1.142	0.114	mg/kg	0.0000114 %		
	048-002-00-0	215-146-2	1306-19-0									
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
		215-160-9	1308-38-9									
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5	mg/kg	1.923	0.962	mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0									
6	copper { dicopper oxide; copper (I) oxide }				4.1	mg/kg	1.126	4.616	mg/kg	0.000462 %		
	029-002-00-X	215-270-7	1317-39-1									
7	lead { lead chromate }			1	4.3	mg/kg	1.56	6.707	mg/kg	0.00043 %		
	082-004-00-2	231-846-0	7758-97-6									
8	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0677	mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7									
9	nickel { nickel chromate }				9.6	mg/kg	2.976	28.572	mg/kg	0.00286 %		
	028-035-00-7	238-766-5	14721-18-7									
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25	mg/kg	1.405	0.351	mg/kg	0.0000351 %		
	034-002-00-8											
11	zinc { zinc chromate }				16	mg/kg	2.774	44.386	mg/kg	0.00444 %		
	024-007-00-3	236-878-9	13530-65-9									
12	TPH (C6 to C40) petroleum group				620	mg/kg		620	mg/kg	0.062 %		
			TPH									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5	mg/kg	1.884	0.942	mg/kg	0.0000942 %		
	006-007-00-5											
14	pH				9.1	pH		9.1	pH	9.1 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	2 mg/kg		2 mg/kg	0.0002 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0737 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and ≤ 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.062%)

Classification of sample: E4/TP02 (SP)

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
E4/TP02 (SP)	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
N/A m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 13% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	arsenic { arsenic trioxide }				3.1 mg/kg	1.32	4.093 mg/kg	0.000409 %		
	033-003-00-0	215-481-4	1327-53-3							
2	boron { diboron trioxide; boric oxide }				0.95 mg/kg	3.22	3.059 mg/kg	0.000306 %		
	005-008-00-8	215-125-8	1303-86-2							
3	cadmium { cadmium oxide }				0.16 mg/kg	1.142	0.183 mg/kg	0.0000183 %		
	048-002-00-0	215-146-2	1306-19-0							
4	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6.1 mg/kg	1.462	8.915 mg/kg	0.000892 %		
		215-160-9	1308-38-9							
5	chromium in chromium(VI) compounds { chromium(VI) oxide }				0.5 mg/kg	1.923	0.962 mg/kg	0.0000962 %		
	024-001-00-0	215-607-8	1333-82-0							
6	copper { dicopper oxide; copper (I) oxide }				27 mg/kg	1.126	30.399 mg/kg	0.00304 %		
	029-002-00-X	215-270-7	1317-39-1							
7	lead { lead chromate }			1	18 mg/kg	1.56	28.077 mg/kg	0.0018 %		
	082-004-00-2	231-846-0	7758-97-6							
8	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0677 mg/kg	0.00000677 %		
	080-010-00-X	231-299-8	7487-94-7							
9	nickel { nickel chromate }				6.8 mg/kg	2.976	20.239 mg/kg	0.00202 %		
	028-035-00-7	238-766-5	14721-18-7							
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				0.25 mg/kg	1.405	0.351 mg/kg	0.0000351 %		
	034-002-00-8									
11	zinc { zinc chromate }				53 mg/kg	2.774	147.03 mg/kg	0.0147 %		
	024-007-00-3	236-878-9	13530-65-9							
12	TPH (C6 to C40) petroleum group				540 mg/kg		540 mg/kg	0.054 %		
			TPH							
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				0.5 mg/kg	1.884	0.942 mg/kg	0.0000942 %		
	006-007-00-5									
14	pH				8.8 pH		8.8 pH	8.8 pH		
			PH							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.46 mg/kg		0.46 mg/kg	0.000046 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.12 mg/kg		0.12 mg/kg	0.000012 %		
		205-917-1	208-96-8							
17	acenaphthene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
		201-469-6	83-32-9							
18	fluorene				0.55 mg/kg		0.55 mg/kg	0.000055 %		
		201-695-5	86-73-7							
19	phenanthrene				5.7 mg/kg		5.7 mg/kg	0.00057 %		
		201-581-5	85-01-8							
20	anthracene				1.5 mg/kg		1.5 mg/kg	0.00015 %		
		204-371-1	120-12-7							
21	fluoranthene				8.8 mg/kg		8.8 mg/kg	0.00088 %		
		205-912-4	206-44-0							
22	pyrene				8.6 mg/kg		8.6 mg/kg	0.00086 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				3.8 mg/kg		3.8 mg/kg	0.00038 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				4 mg/kg		4 mg/kg	0.0004 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				4.1 mg/kg		4.1 mg/kg	0.00041 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				3.4 mg/kg		3.4 mg/kg	0.00034 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.5 mg/kg		0.5 mg/kg	0.00005 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				1.8 mg/kg		1.8 mg/kg	0.00018 %		
		205-883-8	191-24-2							
31	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]			H, M	47 mg/kg		47 mg/kg	0.0047 %		
	648-073-00-3	309-956-6	101794-74-5							
32	phenol				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0869 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- CLP: Note 1 Only the metal concentration has been used for classification
- CLP: Note H Known incomplete entry, should not be used as is

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous property to non hazardous because In soils, below LOD

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00009%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.054%)

Appendix A: Classifier defined and non GB MCL determinands

■ pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

■ acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

■ acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

■ fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

■ anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

■ benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332, Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Resp. Sens. 1; H334, Skin Sens. 1; H317, Repr. 1B; H360FD, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

• **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226, Asp. Tox. 1; H304, STOT RE 2; H373, Muta. 1B; H340, Carc. 1B; H350, Repr. 2; H361d, Aquatic Chronic 2; H411

• **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

• **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (edit as required)

cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

chromium in chromium(VI) compounds {chromium(VI) oxide}

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (edit as required)

copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2022.168.5189.9766 (18 Jun 2022)

HazWasteOnline Database: 2022.168.5189.9766 (18 Jun 2022)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



EK5JO-R93JN-4YL0P

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in **pale yellow**.

Job name

Saunderton (Natural)

Description/Comments

Project

223159(NAT)

Site

Saunderton (Natural)

Classified by

Name:

Jack Taylor

Date:

07 Jul 2022 10:14 GMT

Telephone:

01235 536042

Company:

AA Environmental Limited

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

-

Course

Hazardous Waste Classification

Date

-

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP315	0.6	Non Hazardous		3
2	TP319	0.3	Non Hazardous		5
3	TP320	0.5	Non Hazardous		7
4	TP321	0.7	Non Hazardous		9
5	TP321[2]	1.3	Non Hazardous		11
6	TP321A	0.5	Hazardous	HP 3(i), HP 7, HP 10, HP 11, HP 14	13
7	TP321A[2]	1	Hazardous	HP 3(i), HP 7, HP 10, HP 11, HP 14	15
8	TP321A[3]	2	Non Hazardous		17
9	TP321A[4]	2.2	Hazardous	HP 3(i), HP 7, HP 10, HP 11, HP 14	19
10	TP325	0.2	Non Hazardous		21
11	TP326	0.5	Non Hazardous		23
12	TP328	0.22	Non Hazardous		25
13	TP334	0.7	Non Hazardous		27
14	TP339	0.3	Non Hazardous		29
15	C2/TP02	0.80 - 1.45	Non Hazardous		31
16	D1/TP01	0.80 - 1.30	Non Hazardous		34
17	D1/TP02	0.80 - 1.40	Non Hazardous		37
18	E1/TP01	0.85 - 1.45	Non Hazardous		40
19	E1/TP02	1.40 - 1.80	Non Hazardous		43
20	E2/TP02	1.80 - 2.10	Non Hazardous		46
21	E2/TP01	0.80 - 1.40	Non Hazardous		49
22	D2/TP02	1.50 - 2.05	Non Hazardous		52
23	D2/TP01	0.50 - 1.45	Non Hazardous		55
24	D2/TP04	0.40 - 1.15	Non Hazardous		58
25	D2/TP03	1.30 - 1.85	Non Hazardous		61
26	E2/TP04	0.80 - 1.30	Non Hazardous		64
27	E2/TP03	0.80 - 1.60	Non Hazardous		67
28	E2/TP05	2.50 - 3.00	Non Hazardous		70
29	D2/TP05	0.70 - 1.60	Non Hazardous		73
30	D3/TP02	0.65 - 1.70	Non Hazardous		76

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
31	D3/TP03	1.20 - 2.20	Non Hazardous		79
32	D4/TP03	0.85 - 1.50	Non Hazardous		82
33	D4/TP05	1.70 - 2.70	Non Hazardous		85
34	D4/TP04	1.30 - 2.10	Non Hazardous		88
35	D5/TP02	0.45 - 1.10	Non Hazardous		91
36	E3/TP01	0.45 - 1.10	Non Hazardous		94
37	E3/TP02	3.00 - 4.00	Non Hazardous		97
38	E5/TP01	1.10 - 2.80	Hazardous	HP 3(i), HP 7, HP 10, HP 11, HP 14	100
39	E5/TP01[2]	3.30 - 3.80	Hazardous	HP 3(i), HP 7, HP 11	103
40	D3/TP05	0.85 - 1.65	Non Hazardous		106
41	D4/TP02	0.50 - 1.35	Non Hazardous		109
42	D5/TP03	0.10 - 1.00	Non Hazardous		112
43	D5/TP05	0.70 - 1.60	Non Hazardous		115
44	D6/TP02	0.10 - 1.00	Non Hazardous		118
45	D6/TP03	0.10 - 1.00	Non Hazardous		121
46	D6/TP05	0.40 - 1.20	Non Hazardous		124
47	E4/TP03	0.50 - 1.45	Non Hazardous		127
48	E5/TP02	0.80 - 1.50	Non Hazardous		130
49	E6/TP01	0.20 - 1.20	Non Hazardous		133
50	E6/TP02	0.90 - 1.35	Non Hazardous		136

Related documents

#	Name	Description
1	AAe 2020 (V1.2 GB)	waste stream template used to create this Job

Report

Created by: Jack Taylor

Created date: 07 Jul 2022 10:14 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	139
Appendix B: Rationale for selection of metal species	140
Appendix C: Version	141

Classification of sample: TP315

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
TP315	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
0.6 m	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
17%	
(no correction)	

Hazard properties

None identified

Determinands

Moisture content: 17% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	arsenic { arsenic trioxide }				1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
	033-003-00-0	215-481-4	1327-53-3									
2	beryllium { beryllium oxide }				0.1	mg/kg	2.775	0.278	mg/kg	0.0000278 %		
	004-003-00-8	215-133-1	1304-56-9									
3	boron { diboron trioxide; boric oxide }				0.4	mg/kg	3.22	1.288	mg/kg	0.000129 %		
	005-008-00-8	215-125-8	1303-86-2									
4	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.228	mg/kg	0.0000228 %		
	048-002-00-0	215-146-2	1306-19-0									
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				3	mg/kg	1.462	4.385	mg/kg	0.000438 %		
		215-160-9	1308-38-9									
6	chromium in chromium(VI) compounds { chromium(VI) oxide }				1.2	mg/kg	1.923	2.308	mg/kg	0.000231 %		
	024-001-00-0	215-607-8	1333-82-0									
7	copper { dicopper oxide; copper (I) oxide }				9.5	mg/kg	1.126	10.696	mg/kg	0.00107 %		
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead chromate }			1	10	mg/kg	1.56	15.598	mg/kg	0.001 %		
	082-004-00-2	231-846-0	7758-97-6									
9	mercury { mercury dichloride }				0.3	mg/kg	1.353	0.406	mg/kg	0.0000406 %		
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel chromate }				3.3	mg/kg	2.976	9.822	mg/kg	0.000982 %		
	028-035-00-7	238-766-5	14721-18-7									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				1	mg/kg	1.405	1.405	mg/kg	0.000141 %		
	034-002-00-8											
12	zinc { zinc chromate }				28	mg/kg	2.774	77.676	mg/kg	0.00777 %		
	024-007-00-3	236-878-9	13530-65-9									
13	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				1	mg/kg	1.884	1.884	mg/kg	0.000188 %		
	006-007-00-5											
14	pH				8.6	pH		8.6	pH	8.6 pH		
			PH									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
15	naphthalene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-052-00-2	202-049-5	91-20-3							
16	acenaphthylene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-917-1	208-96-8							
17	acenaphthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-469-6	83-32-9							
18	fluorene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-695-5	86-73-7							
19	phenanthrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		201-581-5	85-01-8							
20	anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-371-1	120-12-7							
21	fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-912-4	206-44-0							
22	pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		204-927-3	129-00-0							
23	benzo[a]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-033-00-9	200-280-6	56-55-3							
24	chrysene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
	601-048-00-0	205-923-4	218-01-9							
25	benzo[b]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-034-00-4	205-911-9	205-99-2							
26	benzo[k]fluoranthene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-036-00-5	205-916-6	207-08-9							
27	benzo[a]pyrene; benzo[def]chrysene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-032-00-3	200-028-5	50-32-8							
28	indeno[123-cd]pyrene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
		205-893-2	193-39-5							
29	dibenz[a,h]anthracene				0.1 mg/kg		0.1 mg/kg	0.00001 %		
	601-041-00-2	200-181-8	53-70-3							
30	benzo[ghi]perylene				0.05 mg/kg		0.05 mg/kg	0.000005 %		
		205-883-8	191-24-2							
31	phenol				2 mg/kg		2 mg/kg	0.0002 %		
	604-001-00-2	203-632-7	108-95-2							
Total:								0.0125 %		

Key

- User supplied data
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration

CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"

Force this Hazardous property to non hazardous because In soils

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

chromium(VI) oxide: (compound conc.: 0.00023%)