APPENDIX G

WINDOWLESS SAMPLE BOREHOLE LOGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS133

Dates : 11/7/22 - 11/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.98 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305676.40 E 204482.45 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.06)	Asphalt		157.92	
							0.06	MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular sandstone. (SUB-BASE)			
							(0.24)			157.68	
							0.30	MADE GROUND - Black slightly clayey sandy GRAVEL. Gravel is fine to coarse angular mudstone with occasional brick, clinker and glass.			
	0.50	ES 1				(Insitu PID.) - 0ppmv					
1	1.00 - 2.00	B 1				(Insitu PID.) - 0ppmv					
	1.00	ES 2									
2	2.00 - 4.00	B 2			2.00	SPT (S) 1 (1-0-**0-0-0-1**)					
	2.40 - 2.60	ES 3				(Insitu PID.) - 0ppmv					
3					3.00	SPT (S) 0 (1-0-**0-0-0-0**)					
							(5.90)				
								..... between 3.5 and 4.5mbgl pinkish brown			
	3.90	ES				(Insitu PID.) - 0ppmv					
4	3.90 - 4.10	ES 4			4.00	SPT (S) 11 (1-3-**3-3-2-3**)					
	4.00 - 6.00	B 3									
5					5.00	SPT (S) 4 (1-1-**1-1-1-1**)					
	5.50 - 5.70	ES 5				(Insitu PID.) - 0ppmv		..... below 5.5mbgl Gravel is fine to coarse angular slag			
6											
							6.20	Terminated at 6.2mbgl		151.78	

Equipment used:

Remarks:

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. WS133

Dates : 11/7/22 - 11/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.98 m A.O.D.
Level to Ordnance Datum

Coordinates: 305676.40 E
204482.45 N
Co-ordinates to National Grid

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS134

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 160.57 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305646.92 E 204546.58 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.06)	Asphalt		160.51	
							0.06	MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular sandstone.		160.37	
							(0.14)				
							0.20	MADE GROUND - Black very silty slightly sandy GRAVEL with low cobble content. Gravel is fine to coarse angular brick, clinker, mudstone and slag, Cobbles are angular concrete and brick.			
	0.50	ES				(Insitu PID.) - 0ppmv					
	0.50	ES 1									
1	1.00	ES				(Insitu PID.) - 0ppmv					
	1.00 - 2.00	B 1									
	1.00	ES 2									
2	2.00	SPTLS 1			2.00	SPT (S) 5 (1-1-**2-1-1-1**)					
	2.00 - 4.00	B 2									
	2.50 - 2.70	ES 3				(Insitu PID.) - 0ppmv					
3	3.00	SPTLS 2			3.00	SPT (S) 4 (1-2-**1-1-1-1**)	(5.80)				
4	4.00 - 6.00	B 3			4.00	SPT (S) 7 (1-1-**2-2-2-1**)					
	4.00	SPTLS 3				(Insitu					
	4.00 - 4.20	ES 4				PID.) - 0ppmv					
5					5.00	SPT (S) 6 (2-1-**1-2-2-1**)					
	5.20 - 5.50	ES				(Insitu PID.) - 0ppmv		..... below 5.2mbgl brown			
	5.20 - 5.50	ES 5									
6					6.00	SPT (S) 6 (1-1-**1-2-2-1**)	6.00	Terminated at 6.0mbgl		154.57	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No Groundwater Encountered

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QGL	T Goodrick	1 Of 1	7	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS134

Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 160.57 m A.O.D. *Level to Ordnance Datum* Coordinates: 305646.92 E 204546.58 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS135

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 162.12 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305623.62 E 204604.93 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.06)	Asphalt		162.06	
							0.06	MADE GROUND - Grey silty GRAVEL. Gravel is fine to coarse angular sandstone. (SUB-BASE)			
							(0.24)			161.82	
	0.50	ES 1				(Insitu PID.) - 0ppmv	0.30	MADE GROUND - Dark grey to black gravelly SILT with high cobble content. Gravel is fine to coarse angular brick, clinker, slag and concrete. Cobbles are angular brick.			
							(0.90)				
1	1.00 - 2.00 1.00	B 1 ES 2				(Insitu PID.) - 0ppmv					
							1.20	MADE GROUND - Black very silty GRAVEL with pockets of orange sandy Gravel. Gravel is fine to coarse angular brick, clinker, coal and slag.		160.92	
2	2.00 2.00 - 4.00	SPTLS 1 B 2			2.00	SPT (S) 10 (3-2-**2-2-3-3**)					
	2.50 - 2.70 2.50 - 2.70	ES ES 3				(Insitu PID.) - 0ppmv					
							(3.30)				
3	3.00	SPTLS 2			3.00	SPT (S) 5 (1-1-**1-1-1-2**)					
4	4.00 - 6.00 4.00 4.00 - 4.20	B 3 SPTLS 3 ES 4			4.00	SPT (S) 7 (1-1-**2-1-2-2**) (Insitu PID.) - 0ppmv					
	4.50 - 4.70 4.50 - 4.70	ES ES 5				(Insitu PID.) - 1.2ppmv	4.50	MADE GROUND - Grey silty slight sandy GRAVEL. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)		157.62	
5	5.00	SPTLS 4			5.00	SPT (S) 7 (1-2-**2-2-1-2**)					
							(1.50)				
6					6.00	SPT (S) 7 (1-1-**2-1-2-2**)	6.00	Terminated at 6.0mbgl		156.12	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS135

Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 162.12 m A.O.D. *Level to Ordnance Datum* Coordinates: 305623.62 E 204604.93 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS136

Dates : 14/7/22 - 14/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 160.96 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305534.69 E 204618.68 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	(0.30)	TOPSOIL - Brown slightly gravelly SILT with many rootlets. Gravel is fine angular coal and mudstone.			
	0.50 0.50	B 2 ES 2				(Insitu PID.) - 0ppmv	0.30 (0.60)	MADE GROUND - Dark brown to black very silty GRAVEL. Gravel is fine to coarse angular brick, mudstone, rare clinker and slag.		160.66	
1	1.00 1.00 1.00 - 2.00	B 3 ES 3 B 4				(Insitu PID.) - 0ppmv	0.90 (1.70)	MADE GROUND - Black slightly silty very sandy GRAVEL with low cobble content. Gravel is fine to coarse sub-angular to angular slag, mudstone, clinker and brick. Cobbles are sub-angular slag.		160.06	
2	2.00 2.00 - 4.00	SPTLS 1 B 5			2.00	SPT (S) 12 (1-2-**2-3-4-3**)					
	2.40 - 2.60	ES 4				(Insitu PID.) - 0.7ppmv					
3	3.00	SPTLS 2			3.00	SPT (S) 5 (1-1-**1-1-1-2**)	2.60	Orangeish brown sandy GRAVEL with low cobble content. Gravel is fine to coarse angular brick and occasional slag. Cobbles are sub-angular slag. ..... between 3.3 and 3.6mgl layer of fine to coarse sub-angular slag Gravel		158.36	
4	4.00 4.00 - 4.20 4.00 - 6.00	SPTLS 3 ES 5 B 6			4.00	SPT (S) 7 (1-3-**3-2-1-1**) SPT (S) 7 (1-3-**3-2-1-1**) (Insitu PID.) - 3ppmv	(3.40)				
5	5.00	SPTLS 4			5.00	SPT (S) 4 (1-1-**1-1-1-1**)					
	5.50 - 5.70	ES 6				(Insitu PID.) - 0ppmv					
6							6.00	Terminated at 6.0mbgl		154.96	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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QGL	P Darby	1 Of 1	7	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS136

Dates : 14/7/22 - 14/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 160.96 m A.O.D. *Level to Ordnance Datum* Coordinates: 305534.69 E 204618.68 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS137

Dates : 19/7/22 - 19/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.13 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305856.88 E 204014.02 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.10 - 0.60	B 1					(0.10)	TOPSOIL - Dark brown sandy SILT with many rootlets.		150.03	
	0.20	ES 1				(Insitu PID.) - 0ppmv	0.10	MADE GROUND - Black gravelly SAND. Gravel is fine to coarse angular to sub-angular coal, slag and mudstone.			
	0.50	ES 2				(Insitu PID.) - 0ppmv					
	0.50	ES ES2									
	0.60 - 1.20	B 2									
1	1.00	ES 3				(Insitu PID.) - 0ppmv					
2							(3.70)				
					2.20	SPT (S) 2 (1-1-**1-1-0-0**)					
	2.50	ES 4				(Insitu PID.) - 0ppmv					
3											
					3.20	SPT (S) 0 (1-0-**0-0-0-0**)					
							3.80	Brown slightly clayey sandy SILT.		146.33	
4	4.00 - 5.00	B 3				(Insitu PID.) - 0ppmv					
	4.00	ES 5									
	4.00	ES ES5			4.20	SPT (S) 5 (1-1-**1-2-1-1**)					
							(1.40)				
5											
					5.20	SPT (S) 50/265mm (4-6-**10-15-18-7/40mm**)	5.20	Brown sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular siltstone.		144.93	
							(1.00)				
6	6.00	D 1									
							6.20	Terminated at 6.2mbgl		143.93	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS137
Dates : 19/7/22 - 19/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 150.13 m A.O.D. *Level to Ordnance Datum* Coordinates: 305856.88 E 204014.02 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS101

Dates : 18/7/22 - 18/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 149.57 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305917.88 E 203992.55 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.20 0.20	ES 1 ES ES1				(Insitu PID.) - 0ppmv	(0.25)	TOPSOIL - Dark grey sandy SILT with many rootlets			
	0.50 - 3.50 0.50	B 1 ES 2				(Insitu PID.) - 0ppmv	0.25	MADE GROUND - Black, red and brown fravelly fine to ocarse SAND. Gravel is fine to coarse angular to sub-rounded mudstone, slag and coal.		149.32	
1	1.00	ES 3			1.10	(Insitu PID.) - 0ppmv SPT (S) 4 (4-1-**1-1-1-1**)					
2					2.10	SPT (S) 6 (1-1-**2-2-1-1**)	(3.40)				
	2.50 2.50	ES 4 ES ES4				(Insitu PID.) - 0ppmv					
3					3.10	SPT (S) 0 (1-0-**0-0-0-0**)					
	3.70	D 1					3.65 (0.20)	Orange silty SAND.		145.92	
4	4.00 4.00 4.10	ES 5 ES ES5 D 2			4.10	(Insitu PID.) - 0ppmv SPT (S) 6 (4-2-**2-1-2-1**)	3.85 (0.20) 4.05 (0.45)	Dark brown to black sandy SILT. Dense brown sandy GRAVEL. Gravel is fine to coarse rounded to sub-angular siltstone.		145.72 145.52	
					4.50	SPT (C) 50/85mm (25-50/10mm----)	4.50	Terminated at 4.5mbgl upon refusal		145.07	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS101
Dates : 18/7/22 - 18/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.57 m A.O.D. *Level to Ordnance Datum* Coordinates: 305917.88 E 203992.55 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS102

Dates : 18/7/22 - 18/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 149.81 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305938.18 E 203902.96 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
0.20	ES 1				(Insitu PID.) - 0ppmv	(0.20)	TOPSOIL - Dark grey sandy SILT with many rootlets				
0.30 - 3.00	B 1					0.20	MADE GROUND - Black, red and brown fravelly fine to ocarse SAND. Gravel is fine to coarse angular to sub-rounded mudstone, slag and coal.		149.61		
0.50	ES 2				(Insitu PID.) - 0ppmv						
0.50	ES ES2										
1 1.00	ES 3				(Insitu PID.) - 0ppmv						
				1.60	SPT (S) 20 (3-4-**4-5-5-6**)						
						(3.20)					
2				2.10	SPT (S) 19 (2-5-**6-4-5-4**)						
2.50	ES 4				(Insitu PID.) - 0ppmv						
3				3.10	SPT (S) 4 (1-2-**1-1-1-1**)						
3.50 - 4.00	B 2					3.40	Brown sandy SILT.		146.41		
						(0.70)					
4 4.00	ES 5				(Insitu PID.) - 0ppmv						
4.00	ES ES5			4.10	SPT (S) 25 (1-2-**2-4-8-11**)	4.10	Dense brown sandy GRAVEL. Gravel is fine to coarse rounded to sub-angular sandstone, mudstone and siltstone.		145.71		
						(0.40)					
				4.50	SPT (C) 50/90mm (25-50/15mm---)	4.50	Terminated at 4.5mbgl upon refusal		145.31		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS102
Dates : 18/7/22 - 18/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.81 m A.O.D. *Level to Ordnance Datum* Coordinates: 305938.18 E 203902.96 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS103

Dates : 18/7/22 - 18/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 149.73 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305874.80 E 203949.53 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.20	ES 1				(Insitu PID.) - 0ppmv	(0.20)	TOPSOIL - Dark grey sandy SILT with many rootlets			
							0.20	MADE GROUND - Black, red and brown fravelly fine to ocarse SAND. Gravel is fine to coarse angular to sub-rounded mudstone, slag and coal.		149.53	
	0.50 - 2.50	B 1				(Insitu PID.) - 0ppmv					
	0.50	ES 2									
	0.50	ES ES2									
1	1.00	ES 3				(Insitu PID.) - 0ppmv					
	1.00	ES ES3									
							(2.70)				
2					2.10	SPT (S) 2 (1-0-**0-0-1-1**)					
	2.50	ES 4				(Insitu PID.) - 0ppmv					
							2.90	Brown sandy SILT.		146.83	
3	3.00 - 0.00	D									
	3.00	D 1			3.10	SPT (S) 4 (1-1-**1-1-1-1**)					
							(0.90)				
	3.50	ES 5				(Insitu PID.) - 0ppmv					
							3.80	Dense brown sandy GRAVEL. Gravel is fine to coarse rounded to sub-angular sandstone, mudstone and siltstone.		145.93	
4							(0.50)				
					4.10	SPT (S) 51/275mm (4-12-**9-14-14-14/50mm**)					
					4.30	SPT (C) 50/85mm (25-50/10mm—)	4.30	Terminated at 4.3mbgl upon refusal		145.43	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS103

Dates : 18/7/22 - 18/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.73 m A.O.D. *Level to Ordnance Datum* Coordinates: 305874.80 E 203949.53 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS104

Dates : 19/7/22 - 19/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.71 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305817.55 E 203996.24 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.20 - 0.70	B 1				(Insitu PID.) - 0ppmv	(0.20)	TOPSOIL - Dark brown sandy SILT with many rootlets.			
	0.30	ES 1					0.20	MADE GROUND - Black gravelly SAND. Gravel is fine to coarse angular to sub-angular coal and slag.		150.51	
	0.50	ES 2				(Insitu PID.) - 0ppmv					
	0.70 - 1.20	B 2									
1	1.00	ES 3				(Insitu PID.) - 0ppmv	(1.80)				
	1.20 - 2.00	B 3									
2	2.00 - 4.00	B 4					2.00	MADE GROUND - Orangeish brown to black gravelly SAND. Gravel is fine to coarse angular to sub-angular slag.		148.71	
					2.20	SPT (S) 0 (1-0-**0-0-0-0**)					
	2.50	ES 4				(Insitu PID.) - 0ppmv					
3							(2.10)				
					3.20	SPT (S) 2 (1-1-**1-1-0-0**)					
4	4.00	D 1					4.10	Silty gravelly SAND. Gravel is fine to coarse sub-rounded to sub-angular siltstone.		146.61	
					4.20	SPT (S) 7 (2-2-**1-2-2-2**)					
5	5.00	D 2					(2.10)				
					5.20	SPT (S) 21 (2-3-**2-3-6-10**)					
6	6.00	D 3					6.20	Terminated at 6.2mbgl		144.51	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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QGL	T Goodrick	1 Of 1	7	

AGS

Contract : Hoover Candy Factory		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS104
Dates : 19/7/22 - 19/7/22	Job Number : Q0838	Ground Level : 150.71 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305817.55 E 203996.24 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS105

Dates : 14/7/22 - 14/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.95 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305854.66 E, 204127.59 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.10)	TOPSOIL - Dark brown SILT with many rootlets.		150.85	
	0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	0.10	MADE GROUND - Black silty SAND / GRAVEL with low cobble content. Gravel is fine to coarse angular clinker, mudstone and occasional coal and slag. Cobbles are angular brick.			
	0.50 0.50	B 2 ES 2				(Insitu PID.) - 0ppmv					
1	1.00 1.00 1.00 - 2.00	B 3 ES 3 B 4				(Insitu PID.) - 0ppmv					
							(3.20)				
2	2.00 2.00 - 2.20 2.00 - 3.30	SPTLS 1 ES 4 B 5			2.20	(Insitu PID.) - 0ppmv SPT (S) 4 (1-1-**1-1-1-1**)		..... between 2.4 and 2.5mbgl silty Gravel. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)			
3	3.00	SPTLS 2			3.20	SPT (S) 12 (1-6-**4-2-2-4**)					
							3.30 (0.25)	Brown very sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular sandstone and quartz.		147.65	
					3.55	SPT (S) 50/5mm (25-**50/5mm**—)	3.55	Terminated at 3.55mbgl upon refusal		147.40	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. WS105

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.15 m A.O.D.
Level to Ordnance Datum

Coordinates: 305797.72 E
204200.51 N
Co-ordinates to National Grid

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QGL	T Goodrick	1 Of 1	2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS106

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.15 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305797.72 E 204200.51 N *Co-ordinates to National Grid*

Samples Depth	Samples Type No.	Sample Run Diam. (mm)	Sample Run Recovery (%)	Tests Depth	Tests SPT & Hand Vane Results	STRATA Depth (Thickness)	STRATA DESCRIPTION	STRATA Legend	Red. Level . A.O.D.	Water
						(0.20)	Concrete			
0.30 - 0.70	B 1					0.20	MADE GROUND - Orangeish brown and black gravelly SAND. Gravel is fine to coarse angular to sub-angular slag and mudstone.		150.95	
0.50 0.50	ES 1 ES ES1				(Insitu PID.) - 0ppmv					
0.70 - 1.20	B 2									
1.00	ES 2				(Insitu PID.) - 0ppmv					
						(2.90)				
				2.20	SPT (S) 4 (1-1-**1-1-1-1**)					
2.50 2.50	ES 3 ES ES3				(Insitu PID.) - 0ppmv					
3.10 - 5.00	B 3			3.20	SPT (S) 14 (1-6-**4-2-2-6**)	3.10	MADE GROUND - Black and light brown silty gravelly SAND. Gravel is fine to coarse angular to sub-angular slag, coal and mudstone.		148.05	
4.00	ES 4				(Insitu PID.) - 0ppmv	(1.90)				
				4.20	SPT (C) 8 (3-4-**2-2-2-2**)					
5.00	D 1					5.00	Brown silty sandy GRAVEL. Gravel is fine to coarse sub-angular to sub-rounded siltstone.		146.15	
				5.20	SPT (C) 10 (1-1-**1-2-3-4**)	(1.10)				
				6.10	SPT (C) 13 (2-3-**4-3-3-3**)	6.10	Terminated at 6.1mbgl		145.05	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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QGL	T Goodrick	1 Of 1	7	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS106
Dates : 14/7/22 - 14/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 150.95 m A.O.D. *Level to Ordnance Datum* Coordinates: 305854.66 E 204127.59 N *Co-ordinates to National Grid*

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QGL	P Darby	1 Of 1	2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS107

Dates : 15/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.97 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305797.32 E, 204013.27 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.20)	Concrete			
	0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	0.20 (0.20)	MADE GROUND - Grey and black slightly silty GRAVEL. Gravel is fine to coarse angular slag.		150.77	
	0.50 0.50 0.50	ES B 2 ES 2				(Insitu PID.) - 0ppmv	0.40	MADE GROUND - Black silty sandy GRAVEL with medum cobble content. Gravel is fine to coarse angular clinker, brick, slag and coal. Cobbles are angular brick.		150.57	
1	1.00 1.00 1.00 - 2.00	B 3 ES 3 B 4				(Insitu PID.) - 0ppmv					
2	2.00 - 4.00	B 5					(3.10)				
					2.20	SPT (S) 6 (1-1-**1-1-2-2**)					
	2.50 - 2.70	ES 4				(Insitu PID.) - 0ppmv					
3											
					3.20	SPT (S) 4 (1-1-**1-1-1-1**)					
							3.50	MADE GROUND - Orangeish brown sandy GRAVEL. Gravel is fine to coarse angular slag and brick.		147.47	
	3.80 - 4.00	ES 5				(Insitu PID.) - 0ppmv	(0.70)				
4											
					4.20	SPT (S) 0 (1-0-**0-0-0-0**)	4.20	Soft brown very sandy CLAY.		146.77	
	4.30 - 4.50	ES 6				(Insitu PID.) - 0ppmv					
	4.50 - 5.00	B 6					(1.30)				
5											
					5.20	SPT (S) 18 (1-1-**2-4-6-6**)					
					5.60	SPT (C) 50/85mm (25-50/10mm—)	5.50 (0.10) 5.60	Brown sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular sandstone and mudstone. Terminated at 5.6mbgl upon refusal		145.47 145.37	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. WS107

Dates : 15/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.97 m A.O.D.
Level to Ordnance Datum

Coordinates: 305797.32 E
204013.27 N
Co-ordinates to National Grid

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS108

Dates : 5/7/22 - 5/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.00 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305752.51 E 203963.26 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
						(0.20)	Reinforced Concrete			
0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	0.20 (0.20)	MADE GROUND - Grey slightly silty slight sandy GRAVEL. Gravel is fine to coarse angular sandstone.		150.80	
0.50 0.50	B 2 ES 2				(Insitu PID.) - 0ppmv	0.40	MADE GROUND - Black and reddish brown very silty sandy GRAVEL with medium cobble content and steel fragments. Gravel is fine to coarse angular to sub-angular sandstone, brick and concrete. Cobbles are angular brick and concrete.		150.60	
1 1.00 1.00	B 3 ES 3				(Insitu PID.) - 0ppmv					
1.20 - 2.20	B 4					(1.80)				
1.90 - 2.10	ES 4				(Insitu PID.) - 0ppmv					
2 2.30 - 2.50	ES 5			2.20	SPT (S) 17 (1-1-**1-7-4-5**) (Insitu PID.) - 0ppmv	2.20	MADE GROUND - Brown and grey slighty clayey sandy GRAVEL. Gravel is fine to coarse angular brick, slag and glass.		148.80	
2.90 - 3.10	ES 6				(Insitu PID.) - 0ppmv	(0.70)				
3 3.10 - 3.50	D 1					2.90 (0.20)	MADE GROUND - Brown SAND. Dand is fine to medium.		148.10	
3.30 - 3.50	ES 7			3.20	SPT (S) 13 (2-2-**3-3-3-4**) (Insitu PID.) - 0ppmv	3.10 (0.40)	Soft brown silty CLAY.		147.90	
3.50 - 4.70	B 5					3.50	Brown and grey sandy GRAVEL. Gravel is fine to coarse rounded to angular mudstone. siltstone and sandstone.		147.50	
4						(1.20)				
				4.20	SPT (S) 20 (2-9-**3-5-5-7**)					
				4.70	SPT (C) 50/115mm (25-50/40mm—)	4.70	Terminated at 4.7mbgl upon refusal		146.30	

Equipment used:

Remarks:

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS108
Dates : 5/7/22 - 5/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.00 m A.O.D. *Level to Ordnance Datum* Coordinates: 305752.51 E 203963.26 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS109

Dates : 20/7/22 - 20/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.08 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305744.63 E, 204008.85 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.25)	Concrete			
	0.30	ES				(Insitu PID.) - 0ppmv	0.25	MADE GROUND - Black and light brown gravelly SAND. Gravel is fine to coarse angular coal, slag and mudstone.		150.83	
	0.30 - 0.70	B 1									
	0.30	ES 1				(Insitu PID.) - 0ppmv					
	0.30	ES ES1									
	0.50	ES 2									
	0.70 - 1.20	B 2									
1	1.00	ES				(Insitu PID.) - 0ppmv					
	1.00	ES 3									
	1.00	ES ES3									
	1.20 - 3.20	B 3					(3.05)				
2											
					2.20	SPT (S) 0 (1-0-**0-0-0-0**)					
	2.50	ES 4				(Insitu PID.) - 0ppmv					
3											
					3.20	SPT (S) 4 (1-1-**1-1-1-1**)	3.30	Brown silty SAND.		147.78	
	3.50 - 4.50	B									
	3.50 - 4.50	B 4									
4	4.00	ES 5				(Insitu PID.) - 0ppmv					
	4.00	ES ES5					(1.60)				
					4.20	SPT (S) 6 (2-1-**2-2-1-1**)					
5							4.90	Brown sandy GRAVEL. Gravel is fine to coarse sub-angular to sub-rounded siltstone.		146.18	
					5.10	SPT (C) 50/90mm (25-50/15mm—)	(0.20)				
							5.10	Terminated upon refusal at 5.1mbgl		145.98	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS109
Dates : 20/7/22 - 20/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.08 m A.O.D. *Level to Ordnance Datum* Coordinates: 305744.63 E 204008.85 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS110

Dates : 19/7/22 - 19/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.39 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305705.36 E 204006.32 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.25)	Concrete			
	0.30 - 0.70	B 1					0.25	MADE GROUND - Greyish brown gravelly SAND. Gravel is fine to coarse sub-rounded to sub-angular siltstone and sandstone (SUB-BASE)		151.14	
	0.50	ES 1				(Insitu PID.) - 0ppmv	(0.45)				
	0.70 - 1.20	B 2					0.70	MADE GROUND - Grey slightly sandy GRAVEL. Gravel is fine to coarse angular mudstone.		150.69	
1	1.00	ES 2				(Insitu PID.) - 0ppmv					
	1.00	ES ES2									
	1.20 - 3.00	B 3									
2											
					2.20	SPT (S) 9 (1-2-**2-2-2-3**)	(3.05)				
	2.50	ES 3				(Insitu PID.) - 0ppmv					
	2.50	ES ES3									
3											
					3.20	SPT (S) 13 (1-2-**4-5-3-1**)					
							3.75	Dark brown sandy SILT.		147.64	
4	4.00	ES 4				(Insitu PID.) - 0ppmv					
	4.00	ES ES4									
					4.20	SPT (S) 4 (1-1-**1-1-1-1**)	(0.85)				
					4.60	SPT (C) 50/95mm (25-50/20mm—)	4.60	Terminated at 4.6mbgl upn refusal		146.79	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS110
Dates : 19/7/22 - 19/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.39 m A.O.D. *Level to Ordnance Datum* Coordinates: 305705.36 E 204006.32 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS111

Dates : 19/7/22 - 19/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.27 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305698.51 E, 204035.90 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.25)	Concrete			
	0.30	ES 1				(Insitu PID.) - 0ppmv	0.25	MADE GROUND - Black gravelly SAND. Gravel is fine to coarse angular to sub-angular coal, slag and mudstone.		151.02	
	0.50	ES 2				(Insitu PID.) - 0ppmv					
1	1.00	ES 3				(Insitu PID.) - 0ppmv					
	1.20 - 3.00	B 1					(2.85)				
2					2.20	SPT (S) 5 (1-1-**2-1-1-1**)					
	2.50	ES 4				(Insitu PID.) - 0ppmv					
3					3.20	SPT (S) 4 (1-1-**1-1-1-1**)	3.10	Brown silty SAND.		148.17	
	3.50	D 1									
	3.50 - 4.00	B 2					(1.30)				
4	4.00	ES 5				(Insitu PID.) - 0ppmv					
					4.20	SPT (S) 27 (3-9-**8-6-4-9**)					
					4.45	SPT (C) 50/85mm (25-50/10mm—)	4.40 (0.25)	Brown sandy GRAVEL. Gravel is fine to coarse sub-rounded siltstone.		146.87	
							4.65	Terminated upon refusal at 4.65mbgl		146.62	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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QGL	T Goodrick	1 Of 1	7	

AGS

Contract : Hoover Candy Factory		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS111
Dates : 19/7/22 - 19/7/22	Job Number : Q0838	Ground Level : 151.27 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305698.51 E 204035.90 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS112

Dates : 5/7/22 - 5/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.52 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305684.62 E, 204066.93 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.08)	Asphalt			
	0.20	ES 1				(Insitu PID.) - 0ppmv	0.08 (0.27)	MADE GROUND - Brownish grey sandy GRAVEL with occasional wood fragments.		151.44	
							0.35	Gravel is fine to coarse angular sandstone.		151.17	
	0.50	ES 2				(Insitu PID.) - 0ppmv		MADE GROUND - Reddish brown and grey sandy GRAVEL with medium cobble content. Gravel is fine to coarse angular brick, mudstone and hardened paint. Cobbles are angular brick.			
1	1.00	ES 3				(Insitu PID.) - 0ppmv					
	1.40 - 1.50	ES 4				(Insitu PID.) - 0ppmv	(1.95)	..... below 1.2mbgl occasionial 0.05m thick bands / pockets of black gravelly Silt. Gravel is fine to coarse angular clinker. (Sample ES4)			
2	2.00 - 2.20	ES 5				(Insitu PID.) - 0ppmv					
					2.20	SPT (S) 50/95mm (4-25-**35-15/20mm**–)					
					2.30	SPT (C) 50/85mm (25-50/10mm—)	2.30	Terminated at 2.3mbgl upon refusal		149.22	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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QGL	P Darby	1 Of 1	7	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS112

Dates : 5/7/22 - 5/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.52 m A.O.D. *Level to Ordnance Datum* Coordinates: 305684.62 E 204066.93 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS113

Dates : 15/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.75 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305680.87 E 204133.84 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.05)	Asphalt		150.70	
							0.05	Concrete			
							(0.18)	MADE GROUND - Orangeish brown sandy GRAVEL with medium cobble content. Gravel is fine to coarse angular brick. Cobbles are angular brick.		150.52	
	0.50	B 1				(Insitu PID.) - 0ppmv	0.23				
	0.50	ES 1									
1	1.00	B 2				(Insitu PID.) - 0ppmv	(1.57)				
	1.00	ES 2									
	1.00 - 1.80	B 3									
	1.80 - 2.00	ES 2				(Insitu PID.) - 0ppmv	1.80	MADE GROUND - Soft dark brown to black gravelly CLAY. Gravel is fine to coarse angular to sub-rounded sandstone and occasional brick and glass.		148.95	
	1.80 - 2.00	ES 3									
2	1.80 - 2.40	B 4			2.00	SPT (S) 2 (3-3-**2-0-0-0**)	(0.60)				
	2.40 - 3.00	B 5					2.40	Soft brown sandy CLAY.		148.35	
	2.70 - 2.90	ES 4				(Insitu PID.) - 0ppmv	(0.60)				
3					3.00	SPT (S) 50/120mm (2-9-**21-29/45mm**–)	3.00	Reddish brown sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular sandstone and mudstone.		147.75	
					3.20	SPT (C) 50/95mm (25-50/20mm—)	(0.30)				
							3.30	Terminated at 3.3mbgl		147.45	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory		Borehole No. WS113
Client : Merthyr Tydfil County Borough Council		
Dates : 15/7/22 - 15/7/22	Job Number : Q0838	Ground Level : 150.75 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305680.87 E 204133.84 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS114

Dates : 5/7/22 - 8/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.03 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305643.46 E, 204148.83 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.20)	Reinforced Concrete			
	0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	0.20 (0.25)	MADE GROUND - Black sandy GRAVEL with medium cobble content. Gravel is fine to coarse angular slag, concrete and brick. Cobbles are sub-angular to angular brick and slag.		150.83	
	0.50 0.50	B 2 ES 2				(Insitu PID.) - 0ppmv	0.45	Loose reddish brown mottled light brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of mudstone and clinker. (MADE GROUND)		150.58	
1	1.00 1.00	B 3 ES 3				(Insitu PID.) - 0ppmv					
	1.20 - 2.20	B 4					(1.75)				
2	2.00	ES 4									
	2.20 - 3.20	B 5			2.20	SPT (S) 21 (2-4-**4-2-7-8**)	2.20	Medium dense black sandy angular to subrounded fine to coarse GRAVEL of mudstone and coal. (MADE GROUND)		148.83	
							(1.00)				
3	3.00	ES 5									
	3.20 - 3.45	D 1			3.20	SPT (S) 50/130mm (1-6-**25-25/55mm**-)	3.20 (0.25)	Dense greyish brown sandy gravelly SILT. Gravel is subrounded to rounded fine to coarse of sandstone. (ALLUVIUM)		147.83	
					3.45	SPT (C) 50/80mm (25-50/5mm----)	3.45	Terminated at 3.45mbgl upon refusal		147.58	

Equipment used: Dando Terrier
Remarks: 1.) Hand pit dug to 1.20m,
2.) Refusal at 3.45m.
3.) No Groundwater Encountered

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. WS114

Dates : 5/7/22 - 8/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.03 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305643.46 E 204148.83 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS116

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.76 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305653.31 E 204171.16 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.25)	Concrete			
	0.30 - 0.80	B 1					0.25	MADE GROUND - Orangeish red gravelly SAND. Gravel is fine to coarse angular to sub-angular mudstone and slag.		150.51	
	0.50	ES 1				(Insitu PID.) - 0ppmv					
	0.80 - 1.20	B 2									
1	1.00 1.00	ES 2 ES ES2				(Insitu PID.) - 0ppmv	(1.35)				
	1.50	D 1									
							1.60	MADE GROUND - Black sandy SILT.		149.16	
	1.80 - 2.80 1.80 - 2.80	B B 3					(0.10) 1.70	Brown sandy SILT.		149.06	
2											
					2.20	SPT (S) 6 (1-1-**4-2-0-0**)	(1.30)				
	2.50 2.50	ES 3 ES ES3				(Insitu PID.) - 0ppmv					
3							3.00	Brown sandy GRAVEL. Gravel is fine to coarse sub-angular to sub-rounded siltstone.		147.76	
					3.20	SPT (S) 43 (6-5-**8-6-12-17**)					
	3.50	D 2					(0.90)				
					3.90	SPT (C) 50/80mm (25-50/5mm----)	3.90	Terminated at 3.9mbgl upon refusal		146.86	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS116
Dates : 21/7/22 - 21/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 150.76 m A.O.D. *Level to Ordnance Datum* Coordinates: 305653.31 E 204171.16 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS117

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305613.70 E 204190.90 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.30)	Concrete				
	0.40 - 1.20	B 1					0.30	MADE GROUND - Reddish brown sandy GRAVEL. Gravel is fine to coarse angular to sub-angular mudstone and slag.		151.40		
	0.50	ES 1				(Insitu PID.) - 0ppmv						
	0.50	ES ES1										
1	1.00	ES 2				(Insitu PID.) - 0ppmv	(1.40)					
	1.00	ES ES2										
	1.20 - 1.70	B 2										
							1.70	Terminated upon refusal on suspected concrete slab at 1.7mbgl		150.00		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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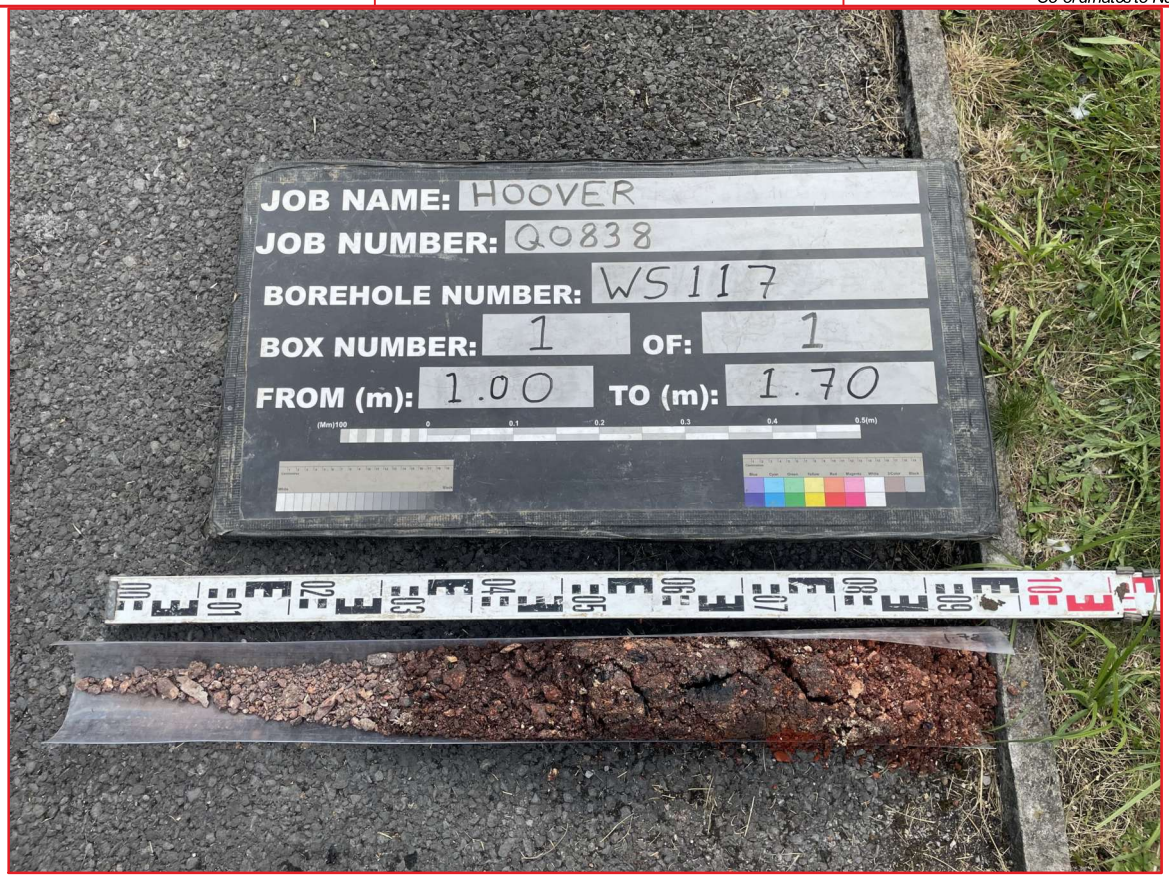
AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS117
Dates : 21/7/22 - 21/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum* Coordinates: 305613.70 E 204190.90 N *Co-ordinates to National Grid*



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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS118

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305613.68 E 204190.89 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA			Red. Level . A.O.D.	Water
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend		
							(0.30)	Concrete			
	0.40 - 1.20	B 1					0.30	MADE GROUND - Reddish brown sandy GRAVEL. Gravel is fine to coarse angular to sub-angular mudstone and slag.		151.40	
	0.50	ES 1				(Insitu PID.) - 0ppmv					
1	1.00	ES 2				(Insitu PID.) - 0ppmv	(1.40)				
	1.00	ES ES2									
	1.20 - 1.70	B 2									
							1.70	Terminated upon refusal on suspected concrete slab at 1.7mbgl		150.00	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS118
Dates : 21/7/22 - 21/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum* Coordinates: 305613.68 E 204190.89 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS119

Dates : 5/7/22 - 5/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.55 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305623.21 E, 204208.00 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.20)	Reinforced Concrete			
	0.20	ES 1				(Insitu PID.) - 0ppmv	0.20	MADE GROUND - Reddish brown sandy GRAVEL. Gravel is fine to coarse angular brick.		151.35	
							(0.10)			151.25	
	0.50	ES 2				(Insitu PID.) - 0ppmv	0.30	MADE GROUND - Dense grey to dark grey sandy angular to subangular fine to coarse GRAVEL of mudstone.			
1	1.00	ES 3				(Insitu PID.) - 0ppmv					
	1.20 - 2.20	B 4									
2							(3.40)				
	2.20 - 3.20	B 5			2.20	SPT (S) 18 (2-2-**4-5-5-4**)					
	2.50	ES 4									
3											
	3.20 - 3.70	B 6			3.20	SPT (S) 50/270mm (9-10-**9-9-12-20/45mm**)					
	3.50	ES 5									
					3.70	SPT (C) 50/85mm (25-50/10mm—)	3.70	Terminated at 3.7mbgl upon refusal		147.85	

Equipment used: Dando terrier

Remarks: 1.) Hand pit dug to 1.20m,
2.) Refusal at 3.70m,
3.) Cable Percussion follow on.
4.) No Groundwater Encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS119

Dates : 5/7/22 - 5/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.55 m A.O.D. *Level to Ordnance Datum* Coordinates: 305623.21 E 204208.00 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS120

Dates : 15/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.77 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305636.53 E 204259.49 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.20)	Concrete			
							0.20	MADE GROUND - Greyish brown sandy GRAVEL with medium cobble content and occasional pockets of brown gravelly clay. Gravel is fine to coarse angular slag and occasional clinker.		151.57	
	0.50	B 1				(Insitu PID.) - 0ppmv					
	0.50	ES 1									
1	1.00	B 2				(Insitu PID.) - 0ppmv					
	1.00	ES 2									
	1.00 - 2.40	B 3					(2.20)				
	1.80 - 2.00	ES 3				(Insitu PID.) - 0ppmv					
2	2.00	SPTLS 1			2.00	SPT (S) 28 (2-2-**2-4-8-14**)					
					2.40	SPT (C) 50/90mm (25-50/15mm—)	2.40	Terminated at 2.4mbgl upon refusal		149.37	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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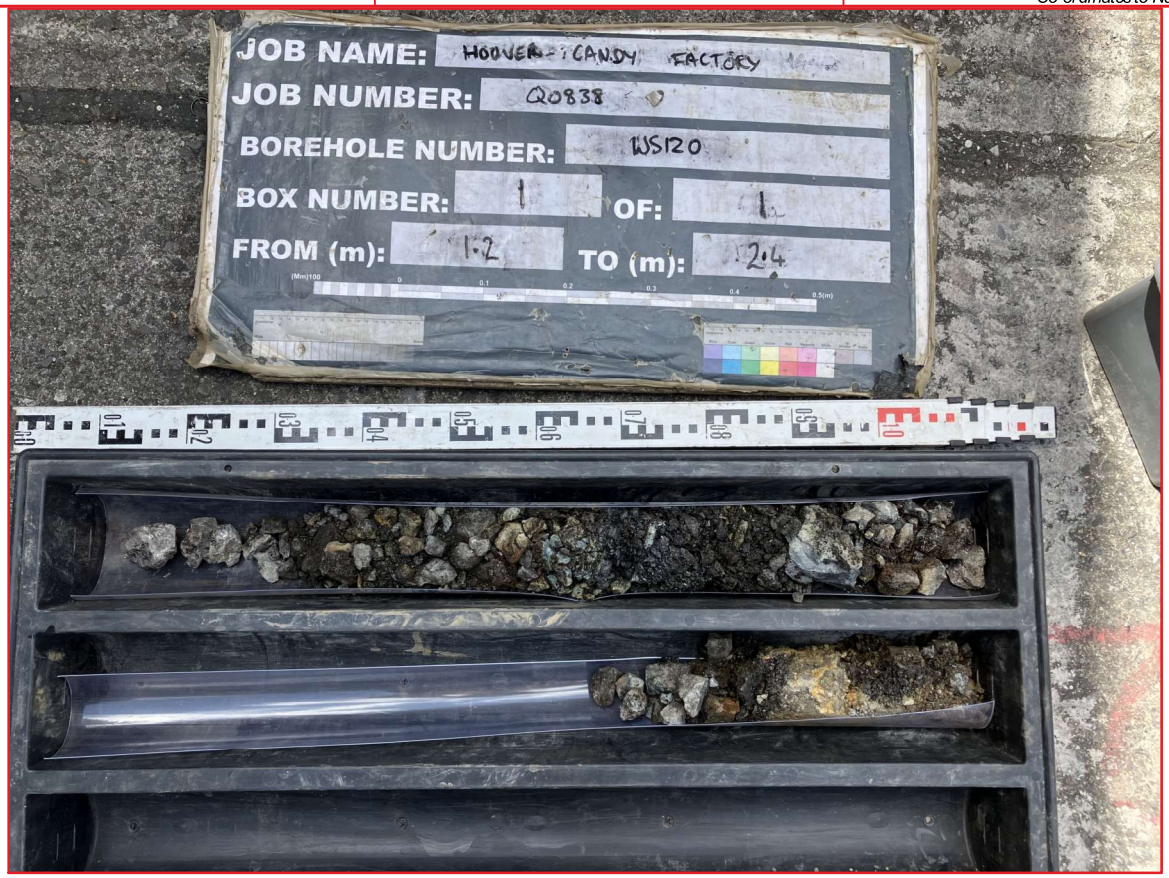
Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS120

Dates : 15/7/22 - 15/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.77 m A.O.D. *Level to Ordnance Datum* Coordinates: 305636.53 E 204259.49 N *Co-ordinates to National Grid*



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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS121

Dates : 15/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305716.72 E 204281.51 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.30)	Concrete				
	0.50 0.50	B 1 ES 1				(Insitu PID.) - 0ppmv	0.30	MADE GROUND - Reddish brown sandy GRAVEL. Gravel is fine to coarse angular brick.		151.40		
1	1.00 1.00	B 2 ES 2				(Insitu PID.) - 0ppmv	(2.40)					
2					2.20	SPT (S) 0 (1-0-**0-0-0-0**)						
	2.70 - 3.60 2.70 - 3.60	B B 3					2.70	MADE GROUND - Dark brown and black sandy GRAVEL. Gravel is fine to coarse angular slag and clinker.		149.00		
3	3.00 - 3.20	ES 3				(Insitu PID.) - 0ppmv	(0.90)					
	3.30 - 3.40	ES 4			3.20	SPT (S) 18 (1-1-**1-4-6-7**) (Insitu PID.) - 0ppmv		..... between 3.3 and 3.4mbgl black liquid on gravel surfaces. No odour.				
	3.60 - 4.50 3.60 - 4.50	B B 4					3.60	Brown sandy GRAVEL. Gravel is fine to coarse angular sandstone and mudstone.		148.10		
4	4.00 - 4.20	ES 5				(Insitu PID.) - 0ppmv	(0.90)					
					4.20	SPT (S) 38 (1-**4-6-8-8-16**)						
					4.50	SPT (C) 50/85mm (25-50/10mm---)	4.50	Terminated upon refusal at 4.5mbgl		147.20		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS121

Dates : 15/7/22 - 15/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum* Coordinates: 305716.72 E 204281.51 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS122

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.02 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305895.73 E 204244.41 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.20	ES				(Insitu PID.) - 0ppmv	(0.30)	MADE GROUND - Brown silty slightly sandy GRAVEL. Gravel is fine to coarse angular limestone.			
	0.20	B 1									
	0.20	ES 1					0.30			149.72	
	0.50	B 2				(Insitu PID.) - 0ppmv	(0.50)	MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)			
	0.50	ES 2									
							0.80			149.22	
1	1.00	D				(Insitu PID.) - 0ppmv		MADE GROUND - Black ashy gravelly SILT. Gravel is fine to coarse angular clinker and coal.			
	1.00	ES									
	1.00	B 3									
	1.00	ES 3									
	1.00 - 2.00	B 4									
	1.40 - 1.60	ES 4				(Insitu PID.) - 0ppmv	(1.20)				
2	2.00	SPTLS 1			2.00	SPT (S) 23 (5-6-**6-5-6-6**)	2.00	Brown sandy GRAVEL. Gravel is fine to coarse rounded to angular sandstone.		148.02	
	2.00 - 2.20	ES 5				SPT (S) 23 (5-6-**6-5-6-6**) (Insitu PID.) - 0ppmv	(0.40)				
					2.40	SPT (C) 50/10mm (10-20-**50/10mm**—)	2.40	Terminated at 2.4mbgl upon refusal		147.62	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No Groundwater Encountered

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AGS

Contract : Hoover Candy Factory		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS122
Dates : 12/7/22 - 12/7/22	Job Number : Q0838	Ground Level : 150.02 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305895.73 E 204244.41 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS123

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 150.75 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305909.73 E 204255.58 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.30	ES					(0.40)	MADE GROUND - Brown silty slightly sandy GRAVEL and low cobble content. Gravel is fine to coarse angular siltstone. Cobbles are angular siltstone.			
	0.30	B 1				(Insitu PID.) - 0ppmv					
	0.30	ES 1					0.40			150.35	
	0.50	B 2				(Insitu PID.) - 0ppmv		MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)			
	0.50	ES 2									
1	1.00	ES				(Insitu PID.) - 0ppmv					
	1.00	B 3									
	1.00	ES 3					(2.00)				
2					2.00	SPT (S) 23 (5-6-**6-5-6-6**)					
					2.40	SPT (C) 50/10mm (10-15-**50/10mm**—)	2.40	Terminated at 2.40mbgl		148.35	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No Groundwater Encountered

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Contract : Hoover Candy Factory		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS123
Dates : 13/7/22 - 13/7/22	Job Number : Q0838	Ground Level : 150.75 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305909.73 E 204255.58 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS124

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 149.38 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305877.98 E 204214.50 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.06)	Asphalt		149.32	
	0.20	B 1				(Insitu PID.) - 0ppmv	0.06	MADE GROUND - Grey silty GRAVEL. Gravel is fine to coarse angular siltstone (SUB-BASE)			
	0.20	ES 1					(0.24)			149.08	
	0.50 - 0.00	B				(Insitu PID.) - 0ppmv	0.30	MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular mudstone.			
	0.50	ES									
	0.50	B 2					(0.70)				
	0.50	ES 2									
1	1.00 - 2.00	B 3									
	1.10 - 1.30	ES				(Insitu PID.) - 0ppmv	1.00	MADE GROUND - Dark grey to black slightly sandy slightly gravelly SILT. Gravel is fine to coarse angular clinker and coal.		148.38	
	1.10 - 1.30	ES 3									
							(1.20)				
2					2.00	SPT (S) 50/245mm (5-16-**15-14-15-6/20mm**)					
	2.20 - 2.40	D					2.20	Orangey brown silty slightly gravelly SAND. Gravel is fine to coarse rounded sandstone.		147.18	
	2.20 - 2.40	D 1					(0.20)				
					2.40	SPT (C) 50/95mm (25-50/20mm—)	2.40	Terminated at 2.4mbgl		146.98	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No Groundwater Encountered

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AGS

Contract : Hoover Candy Factory **Client : Merthyr Tydfil County Borough Council**		**Borehole No.** **WS124**
Dates : 13/7/22 - 13/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.38 m A.O.D. *Level to Ordnance Datum* Coordinates: 305877.98 E 204214.50 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS125

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 149.50 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305870.03 E 204232.60 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
	0.10	ES 1				(Insitu PID.) - 0ppmv	(0.20)	MADE GROUND - Grey silty GRAVEL. Gravel is fine to coarse angular to sub-angular siltstone.			
	0.30	B 1					0.20			149.30	
	0.50	B 2				(Insitu PID.) - 0ppmv	(0.60)	MADE GROUND - Black sandy GRAVEL with low cobble content. Gravel is fine to coarse sub-angular to angular slag and clinker. Cobbles are sub-angular slag.			
	0.50	ES 2					0.80				
1	1.00	B 3				(Insitu PID.) - 0ppmv		Brown slightly gravelly silty SAND. Gravel is fine to coarse rounded to sub-angular sandstone and quartz.		148.70	
	1.00	ES 3					(0.60)				
	1.60 - 1.80	ES 4				(Insitu PID.) - 1.8ppmv	1.40	Brown and grey sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular sandstone and quartz.		148.10	
2	2.00	SPTLS 1					(1.05)				
					2.20	SPT (S) 24 (9-4-**6-6-7-5**)					
					2.45	SPT (C) 50/80mm (25-50/5mm-----)	2.45	Terminated at 2.45mbgl upon refusal		147.05	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No Groundwater Encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS125
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart
Ground Level : 157.79 m A.O.D. *Level to Ordnance Datum*	
Coordinates: 305648.51 E 204465.93 N *Co-ordinates to National Grid*	

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS126

Dates : 11/7/22 - 11/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.79 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305648.51 E 204465.93 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
0.20	B 1				(Insitu PID.) - 0ppmv	(0.25)	TOPSOIL - Greyish brown slightly gravelly SILT with many rootlets. Gravel is fine to coarse angular mudstone and occasionial slag.			
0.20	ES 1					0.25	MADE GROUND - Grey gravelly SILT. Gravel is fine to coarse angular mudstone.		157.54	
0.50	B 2				(Insitu PID.) - 0ppmv	(0.55)				
0.50	ES 2					0.80	MADE GROUND - Grey, locally orange, silty GRAVEL. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)		156.99	
1.00	B 3				(Insitu PID.) - 0ppmv					
1.00	ES 3									
1.20 - 2.20	B 4									
2.20	SPTLS 1			2.20	SPT (S) 5 (1-1-**1-1-1-2**)					
2.20 - 4.20	B 5									
2.40 - 2.60	ES 4				(Insitu PID.) - 0ppmv					
3.20	SPTLS 2			3.20	SPT (S) 4 (1-1-**1-1-1-1**)					
						(5.40)				
3.90 - 4.10	ES 5				(Insitu PID.) - 0ppmv					
4.20	SPTLS 3			4.20	SPT (S) 6 (1-1-**1-1-2-2**)					
4.20 - 6.20	B 6									
5.20	SPTLS 4			5.20	SPT (S) 15 (1-4-**4-4-3-4**)					
5.40 - 5.60	ES 6				(Insitu PID.) - 0ppmv					
6.20	SPTLS 5			6.20	SPT (S) 6 (1-1-**1-1-2-2**)	6.20	Terminated at 6.2mbgl		151.59	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS126
Dates : 11/7/22 - 11/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 157.79 m A.O.D. *Level to Ordnance Datum* Coordinates: 305648.51 E 204465.93 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS127

Dates : 28/7/22 - 28/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 152.79 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305701.30 E, 204344.25 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(0.07)	CONCRETE pavier.		152.72	
	0.30 - 0.50	B 1					(0.05)	MADE GROUND: Yellowish brown slightly silty SAND. Sand is fine to medium.		152.67	
	0.50	ES 2				(Insitu PID.) - 0ppmv	0.07				
							0.12 (0.68)	MADE GROUND: Reddish brown black slightly clayey slightly sandy GRAVEL with low cobble content of concrete. Gravel is angular to sub angular fine to coarse sandstone, siltstone, brick, concrete and ash.			
							0.80			151.99	
1	1.00	ES 3				(Insitu PID.) - 0ppmv		MADE GROUND: Reddish grey slightly sandy GRAVEL. Gravel is angular fine to coarse brick and ash.			
	1.00 - 1.20	B 4									
	1.20 - 3.50	B 5			1.20	SPT () 4 (1-1-**1-1-1-1**)					
			101	70							
2					2.00	SPT () 6 (2-3-**3-1-1-1**)					
							(2.75)				
	2.50	ES 6	101	75		(Insitu PID.) - 0ppmv					
3					3.00	SPT () 26 (4-8-**7-7-7-5**)					
			101	100							
							3.55 (0.35)	Dense dark brown sandy gravelly SILT. Gravel is subrounded to rounded fine to coarse of sandstone. (ALLUVIUM)		149.24	
	3.70	D 7									
	3.80	ES 8				(Insitu PID.) - 0ppmv					
4	4.00 - 4.50	B 9			4.00	SPT () 50/295mm (6-6-**10-11-19-10/70mm**)	3.90 (0.60)	Dense brown slightly silty sandy GRAVEL. Gravel is sub angular to sub rounded fine to coarse sandstone.		148.89	
			101	100							
					4.50	SPT () 50/233mm (11-12-**14-18-15-3/8mm**)	4.50	Window sample refused at 4.5mbgl		148.29	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS127
Dates : 28/7/22 - 28/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 152.79 m A.O.D. *Level to Ordnance Datum* Coordinates: 305701.30 E 204344.25 N *Co-ordinates to National Grid*

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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS128

Dates : 4/7/22 - 4/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305602.23 E 204242.38 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.22)	Reinforced CONCRETE				
	0.20 0.20	B 1 ES 1				(Insitu PID.) - 0ppmv	0.22 (0.23)	MADE GROUND - Grey slightly silty slightly sandy GRAVEL. Gravel is fine to coarse angular sandstone. (SUB-BASE)		151.48		
	0.50 0.50	B 2 ES 2				(Insitu PID.) - 0ppmv	0.45	MADE GROUND - Grey clayey slightly snady GRAVEL with medium cobble content. Gravel is fine to coarse angular mudstone. Cobbles are angular mudstone. (COLLIERY SPOIL)		151.25		
1	1.00 1.00 1.00 - 1.70	B 3 ES 3 B 4				(Insitu PID.) - 0ppmv	(1.25)					
	1.70 - 2.00 1.80	B 5 ES 4				(Insitu PID.) - 0ppmv	1.70	MADE GROUND - Black, grey and brown locally clayey sany GRAVEL with medium cobble content. Gravel is fine to coarse angular slag, brick and mudstone. Cobbles are angular slag.		150.00		
2	2.00 - 3.00	B 6			2.20	SPT (S) 50/245mm (4-5-**6-19-22-3/20mm**)						
							(2.30)					
3	3.00 - 4.00	B 7										
	3.30	ES 5			3.20	SPT (S) 26 (3-3-**6-7-6-7**) (Insitu PID.) - 0ppmv						
4	4.00 - 4.45 4.00 - 4.54 4.10	B B 8 ES 6			4.20	(Insitu PID.) - 0ppmv SPT (S) 50/200mm (2-8-**17-15-18/50mm**-)	4.00 (0.54)	Brown slightly silty sandy GRAVEL. Gravel is fine to coarse sub-rounded to sub-angular sandstone and siltstone.		147.70		
					4.57	SPT (C) 50/90mm (25-50/15mm---)	4.54	Terminated at 4.54mbgl upon refusal		147.16		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl.

Groundwater at 4.0mbgl

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Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS128
Dates : 4/7/22 - 4/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 151.70 m A.O.D. *Level to Ordnance Datum* Coordinates: 305602.23 E 204242.38 N *Co-ordinates to National Grid*

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS129

Dates : 21/7/22 - 21/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 155.56 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305581.87 E 204322.26 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.10)	Asphalt				
	0.20	ES				(Insitu PID.) - 0ppmv	0.10	MADE GROUND - Grey and black sandy GRAVEL with medium cobble content. Gravel is fine to coarse angular slag and coal. Cobbles are angular slag.		155.46		
	0.20	ES 1					(0.30)					
	0.20	ES ES1					0.40	MADE GROUND - Grey sandy GRAVEL. Gravel is fine to coarse angular slag.		155.16		
	0.50 - 1.10	B 1				(Insitu PID.) - 0ppmv	(0.40)					
	0.50	ES 2					0.80	MADE GROUND - Grey slightly clayey slightly sandy GRAVEL. Gravel is fine to coarse angular mudstone.		154.76		
1	1.00	ES 3				(Insitu PID.) - 0ppmv						
	1.00	ES ES3										
	1.10 - 3.50	B 2										
2					2.10	SPT (S) 7 (2-2-1-1-3-2)						
							(3.10)					
	2.50	ES 4				(Insitu PID.) - 0ppmv						
3					3.10	SPT (S) 5 (1-1-1-1-1-2)						
							3.90	MADE GROUND - Grey, brown and black gravelly SAND. Gravel is fine to coarse sub-angular to sub-rounded slag, siltstone and coal.		151.66		
4	4.00 - 5.00	B 3				(Insitu PID.) - 0ppmv						
	4.00	ES 5			4.10	SPT (S) 23 (5-7-5-5-6-7)						
	4.00	ES ES5					(1.65)					
5												
							5.55	Terminated upon refusal at 5.55mbgl		150.01		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS130

Dates : 20/7/22 - 20/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 156.94 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305552.88 E 204472.52 N *Co-ordinates to National Grid*

	Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.20)	Concrete				
	0.20 - 0.50	B 1					0.20					
	0.30	ES 1				(Insitu PID.) - 0ppmv	(0.30)	MADE GROUND - Grey gravelly SAND. Gravel is fine to coarse sub-rounded to sub-angular limestone.		156.74		
	0.30	ES ES1					0.50			156.44		
	0.50 - 1.00	B 2						MADE GROUND - Black, red and orange sandy GRAVEL. Gravel is fine to coarse mudstone, coal and slag.				
	0.60	ES 2				(Insitu PID.) - 0ppmv						
	0.60	ES ES2										
1	1.00 - 2.00	B 3										
	1.00	ES 3				(Insitu PID.) - 0ppmv						
	1.00	ES ES3					(1.50)					
2	2.00 - 4.00	B 4			2.00	SPT (S) 12 (2-3-**3-3-3-3**)	2.00	MADE GROUND - Brown to grey sandy GRAVEL. Gravel is fine to coarse sub-angular to angular mudstone.		154.94		
	2.50	ES 4				(Insitu PID.) - 0ppmv						
3					3.00	SPT (S) 9 (2-2-**2-2-2-3**)	(2.30)					
4	4.00	ES 5			4.00	SPT (S) 9 (2-2-**3-2-2-2**)						
					4.30	SPT (S) 9 (2-2-**3-2-2-2**) (Insitu PID.) - 0ppmv SPT (C) 50/80mm (25-50/5mm----)	4.30	Terminated at 4.3mbgl upon refusal		152.64		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T Goodrick	1 Of 1	7	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Borehole No. WS130
Dates : 20/7/22 - 20/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 156.94 m A.O.D. *Level to Ordnance Datum* Coordinates: 305552.88 E 204472.52 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T Goodrick	1 Of 1	2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS131

Dates : 20/7/22 - 20/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.28 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305565.99 E 204550.63 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA				
Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
						(0.25)	Concrete			
0.30 - 0.60	B 1				(Insitu PID.) - 0ppmv	0.25	MADE GROUND - Dark grey slightly clayey sandy GRAVEL. Gravel is fine to coarse angular to sub-angular mudstone.		157.03	
0.30	ES 1									
0.30	ES ES1				(Insitu PID.) - 0ppmv					
0.50	ES 2				SPT (C) 14					
0.60 - 4.00	B 2			0.60	(5-4-**6-3-2-3**)					
				1.00	SPT (S) 14 (3-2-**2-3-2-7**)					
				2.00	SPT (S) 8 (1-1-**3-3-1-1**)					
						(3.95)				
2.50	ES 3				(Insitu PID.) - 0ppmv					
2.50	ES ES4									
				3.00	SPT (S) 16 (1-1-**1-1-5-9**)					
4.00	ES 4			4.00	SPT (S) 18 (2-2-**2-4-6-6**)					
4.20 - 4.80	B 3				SPT (S) 18 (Insitu PID.) - 0ppmv	4.20	MADE GROUND - Black and grey gravelly SAND. Gravel is fine to coarse angular coal and slag.		153.08	
						(0.60)				
				4.80	SPT (C) 50/80mm (25-50/5mm----)	4.80	Terminated at 4.8mbgl upon refusal		152.48	

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T Goodrick	1 Of 1	7	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS131
Dates : 20/7/22 - 20/7/22	Job Number : Q0838	Ground Level : 157.28 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305565.99 E 204550.63 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T Goodrick	1 Of 1	2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Window Sample No. WS132

Dates : 11/7/22 - 11/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 156.52 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305700.46 E, 204437.82 N *Co-ordinates to National Grid*

Samples		Sample Run		Tests		STRATA					
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water	Install/ Backfill
							(0.06)	Asphalt		156.46		
							0.06	MADE GROUND - Grey silty slightly sandy GRAVEL. Gravel is fine to coarse angular sandstone. (SUB-BASE)		156.30		
							(0.16)					
	0.50	ES 1				(Insitu PID.) - 0ppmv	0.22	MADE GROUND - Purpleish brown sandy GRAVEL. Gravel is fine to coarse angular brick, mudstone and slag.				
1	1.00 - 2.00	B 1				(Insitu PID.) - 0ppmv						
	1.00	ES 2						..... between 1.5 and 2.0mbgl occasional thin (<5cm) thick layers of black silt.				
2	2.00 - 4.00	B 2										
					2.20	SPT (S) 4 (1-1-**1-1-1-1**)						
	2.50 - 2.70	ES 3				(Insitu PID.) - 0ppmv	(4.48)					
3												
					3.20	SPT (S) 4 (1-1-**1-1-1-1**)						
4	4.00 - 4.20	ES 4				(Insitu PID.) - 0ppmv						
					4.20	SPT (S) 4 (1-1-**1-1-1-1**)						
	4.70 - 5.70	B 3					4.70	MADE GROUND - Soft dark grey to black silty CLAY. Slight hydrocarbon odour		151.82		
	4.80 - 5.00	ES 5				(Insitu PID.) - 13ppmv						
5												
					5.20	SPT (S) 0 (1-0-**0-0-0-0**)	(1.00)					
	5.70 - 6.20	B 4					5.70	MADE GROUND - Soft brownish grey slightly gravelly CLAY. Gravel is fine to coarse sub-angular slag. (REWORKED NATURAL GROUND)		150.82		
	5.80 - 6.00	ES 6				(Insitu PID.) - 0ppmv						
6							(0.50)					
							6.20	Terminated at 6.2mbgl		150.32		

Equipment used: Dando Terrier

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. Damp below 4.7mbgl

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QGL	T Goodrick	1 Of 1	7	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council	Borehole No. WS132

Dates : 11/7/22 - 11/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 156.52 m A.O.D. *Level to Ordnance Datum* Coordinates: 305700.46 E 204437.82 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated	AGS
		1 Of 1	2		

APPENDIX H

TRIAL PIT LOGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP101

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

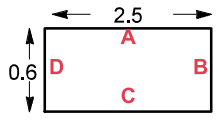
Engineer : Redstart

Ground Level : 149.42 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305934.92 E 204022.26 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.25	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.25	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		149.17	
	0.50 - 0.50 - 1.00	ES1 B2				PID @ 0.5mbgl = 0.0ppm			
1	1.00 -	ES3				PID @ 1.00mbgl =0.0ppm			
	1.50 - 1.80	B4							
2					3.75				
	2.50 - 2.50 - 2.80	ES5 B6				PID @ 2.5mbgl = 0.0ppm			
3						with low cobble content of brick from 2.9mbgl			
	3.50 - 3.80	B8							
						PID @ 4.0mbgl = 0.0ppm			
4	4.00 -	ES7			4.00	Trial pit terminated at scheduled depth of 4.0mbgl		145.42	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	1 Of 2	4.2	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP101
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.42 m A.O.D. *Level to Ordnance Datum* Coordinates: 305934.92 E 204022.26 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP102

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

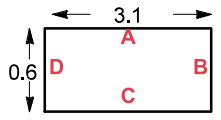
Engineer : Redstart

Ground Level : 149.03 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305990.87 E 203945.21 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.10	MADE GROUND - Black slightly silty slightly gravelly ASH with fine to medium coal. Gravel is angular to sub angular fine to coarse siltstone and sandstone.		148.93	
	0.50 - 0.50 - 1.00	ES1 B2				PID @ 0.5mbgl = 0.0ppm			
					1.00				
1	1.00 -	D ES3				PID @ 1.00mbgl =0.0ppm			
					1.10	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		147.93	
	1.50 - 1.70	B4							
2									
	2.50 - 2.50 - 2.70	D ES5 B6				PID @ 2.5mbgl = 0.0ppm			
					2.90				
3						with medium cobble content of brick from 3.2mbgl			
	3.50 - 3.70	B7							
						PID @ 4.0mbgl = 0.0ppm			
4	4.00 -	ES8			4.00	Trial pit terminated at scheduled depth of 4.0mbgl		145.03	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP102
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.03 m A.O.D. *Level to Ordnance Datum* Coordinates: 305990.87 E 203945.21 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	2 Of 2		

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP103

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

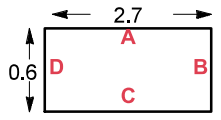
Engineer : Redstart

Ground Level : 149.85 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305997.06 E 203881.52 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.10			149.75	
						MADE GROUND - Dark reddish brown black slightly silty slightly gravelly ASH with fine to medium coal.			
	0.50 -	ES1							
	0.50 - 0.80	B2				PID @ 0.5mbgl = 0.7ppm			
1	1.00 -	ES3				PID @ 1.00mbgl =0.8ppm			
	1.40 - 1.60	B4							
					3.30				
2									
	2.40 - 2.80	B5							
	2.50 -	ES6				PID @ 2.5mbgl = 2.7ppm			
3									
					3.40	Soft brown slightly clayey sandy SILT.		146.45	
	3.50 - 3.70	B							
		B7			0.60				
						PID @ 4.0mbgl = 0.0ppm			
4	4.00 -	ES8			4.00	Trial Pit terminated at scheduled depth of 4.0mbgl		145.85	
		D9							

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	1 Of 2	4.2	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP103
Dates : 13/7/22 - 13/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.85 m A.O.D. *Level to Ordnance Datum* Coordinates: 305997.06 E 203881.52 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory
Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP104

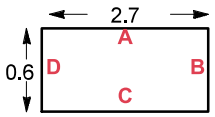
Dates : 12/7/22 - 12/7/22
Location :

Job Number : Q0838
Engineer : Redstart

Ground Level : 149.85 m A.O.D. *Level to Ordnance Datum*
Coordinates: 305996.98 E 203835.08 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.05	TARMAC		149.80	
					0.05	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.			
	0.50 - 0.50 - 0.80	ES1 B2			0.85	PID @ 0.5mbgl = 0.0ppm			
1	1.00 - 1.00 - 1.50	ES3 B4			0.90	MADE GROUND - Black slightly silty slightly sandy GRAVEL with low cobble content of sandstone. Gravel is angular to sub angular fine to coarse siltstone, sandstone and ash, fine to medium coal. PID @ 1.00mbgl =0.0ppm		148.95	
					1.40				
2	2.00 - 2.20	B5							
	2.50 - 2.50 - 3.00	ES6 B7			2.30	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal. PID @ 2.5mbgl = 0.0ppm		147.55	
					1.10				
3									
	3.50 - 4.00	B8			3.40	MADE GROUND - Brown slightly silty sandy Gravel with low cobble content of sandstone and slag. Gravel is sub angular to sub rounded fine to coarse siltstone and sandstone, angular to sub angular fine to coarse slag and ash with rare fine coal.		146.45	
					0.60	PID @ 4.0mbgl = 0.0ppm			
4	4.00 -	ES9			4.00	Trial pit terminated at scheduled depth of 4.0mbgl		145.85	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	1 Of 2	4.2	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP104
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.85 m A.O.D. *Level to Ordnance Datum* Coordinates: 305996.98 E 203835.08 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP105

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

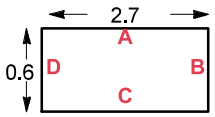
Engineer : Redstart

Ground Level : 149.86 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305952.61 E 203879.04 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Legend	Red. Level A.O.D.	WATER
					0.05	TARMAC		149.81	
					0.05	MADE GROUND - Grey slightly silty slightly sandy GRAVEL. Gravel is angular fine to coarse limestone.		149.71	
					0.10				
					0.15	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.			
	0.50 - 0.50 - 0.60	ES1 B2				PID @0.5mbgl = 0.0ppm			
	0.70 -	B3				between 0.6mbgl lenses of Black slightly silty slightly sandy Gravel with low cobble content of sandstone. Gravel is angular to sub angular fine to coarse siltstone, sandstone and ash, fine to medium coal.			
1	1.00 -	ES4				PID @ 1.0mbgl = 0.0ppm			
	1.50 - 1.80	B5							
					3.25	with glass and steel bar at 1.7mbgl			
2									
	2.50 - 2.50 - 2.80	ES6 B7				with low cobble content of sandstone from 2.4mbgl PID @ 2.5mbgl = 0.0ppm			
3						with iron bars from 3.0mbgl			
	3.50 - 3.50 - 4.00	ES8 B9			3.40	Firm dark grey silty slightly sandy slightly gravelly CLAY. PID @ 3.5mbgl = 0.0ppm		146.46	
					0.60				
4					4.00	Trial Pit terminated at scheduled depth of 4.0mbgl		145.86	

PLAN



Groundwater: Seepage at 3.4mbgl

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface.

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP105
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.86 m A.O.D. *Level to Ordnance Datum* Coordinates: 305952.61 E 203879.04 N *Co-ordinates to National Grid*

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AH	A Jones	2 Of 2		

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP106

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

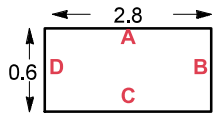
Engineer : Redstart

Ground Level : 149.74 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305866.73 E 203887.11 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Legend	Red. Level A.O.D.	WATER
	0.10 -	D1			0.25	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.25	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		149.49	
	0.50 -	ES2				PID @ 0.5mbgl = 0.0ppm			
	0.50 - 1.00	B3							
					1.05				
1	1.00 -	ES4				PID @ 1.00mbgl =0.0ppm			
	1.30 - 1.50	B5			1.30	MADE GROUND - Black slightly silty slightly sandy GRAVEL with low cobble content of sandstone. Gravel is angular to sub angular fine to coarse siltstone, sandstone and ash, fine to medium coal.		148.44	
					0.20				
					1.50	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		148.24	
	1.60 -	ES6				PID @ 1.60mbgl = 0.0ppm			
	1.80 -	D7			0.70				
2									
					2.20	MADE GROUND - Black slightly silty slightly sandy GRAVEL. Gravel is angular to sub angular fine to coarse siltstone, sandstone and ash, fine to medium coal.		147.54	
	2.40 - 2.60	B8							
	2.50 -	ES9				PID @ 2.5mbgl = 0.0ppm			
					0.90				
3									
					3.10	MADE GROUND - Brown slightly silty sandy GRAVEL with low cobble content of sandstone and slag. Gravel is sub angular to sub rounded fine to coarse siltstone and sandstone, angular to sub angular fine to coarse slag and ash with rare fine coal.		146.64	
	3.30 - 3.60	B10							
	3.50 -	ES11				PID @ 3.5mbgl = 0.0ppm			
					0.90				
4									
					4.00	Trial pit terminated at scheduled depth of 4.0mbgl		145.74	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	1 Of 2	4.2	

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP106
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.74 m A.O.D. *Level to Ordnance Datum* Coordinates: 305866.73 E 203887.11 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	2 Of 2		

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP107

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

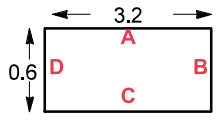
Engineer : Redstart

Ground Level : 149.92 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305806.81 E 203943.36 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Legend	Red. Level A.O.D.	WATER
					0.15	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.15	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		149.77	
	0.30 - 0.50	B B1							
	0.50 -	ES2				PID @ 0.5mbgl = 0.0ppm			
1	1.00 -	ES3				PID @ 1.00mbgl =0.0ppm			
					1.95				
	1.30 - 1.50	B4							
2									
					2.10	Brown silty slightly gravelly SAND. Gravel is angular to sub angular fine to coarse sandstone.		147.82	
	2.30 - 2.50	B B5							
	2.50 -	ES6				PID @ 2.5mbgl = 0.0ppm			
					1.10				
						very wet from 2.7mbgl			
3									▼1
					3.20	Brown slightly silty slightly sandy GRAVEL with low cobble content of sandstone. Gravel is sub angular to sub rounded fine to coarse sandstone, sub angular fine to coarse siltstone. Wet from 3.2mbgl		146.72	
	3.50 - 4.00	LB7			0.80				
						PID @ 4.0mbgl = 0.0ppm			
4	4.00 -	ES8			4.00	Trial Pit terminated at scheduled depth of 4.0mbgl		145.92	

PLAN



Groundwater: becoming wet from 3.2mbgl

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface.

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP107
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.92 m A.O.D. *Level to Ordnance Datum* Coordinates: 305806.81 E 203943.36 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	2 Of 2		All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP108

Dates : 12/7/22 - 12/7/22

Location :

Job Number : Q0838

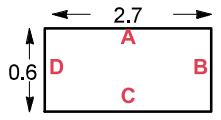
Engineer : Redstart

Ground Level : 149.56 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305874.80 E 203988.35 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Legend	Red. Level A.O.D.	WATER
					0.10	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.10	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.		149.46	
	0.50 - 0.50 - 1.00	ES1 B2				PID @ 0.5mbgl = 0.0ppm			
1	1.00 -	ES3			1.80	PID @ 1.00mbgl =0.0ppm			
	1.40 - 1.60	B4							
					1.90	MADE GROUND - Black slightly clayey slightly sandy gravelly SILT. Gravel is angular to sub angular fine to coarse siltstone and fine to medium coal.		147.66	
2	2.00 - 2.50	B5			0.80				
	2.50 -	D ES6				PID @ 2.5mbgl = 0.0ppm			
					2.70	Very soft brown slightly clayey sandy SILT.		146.86	
	2.80 - 3.10	B7				very wet from 2.7mbgl			
3					0.50				
	3.20 -	ES8				PID @ 3.2mbgl = 0.0ppm			
					3.20	Trial Pit terminated at 3.2mbgl due to pit collapsing		146.36	

PLAN



Groundwater: becoming very wet from 2.7mbgl

Stability: Sides collapsing from 2.7mbgl.

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface.

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP108
Dates : 12/7/22 - 12/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 149.56 m A.O.D. *Level to Ordnance Datum* Coordinates: 305874.80 E 203988.35 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
AH	A Jones	2 Of 2		

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP109

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

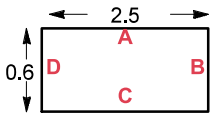
Engineer : Redstart

Ground Level : 150.19 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305851.92 E 204032.73 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.15	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
	0.30 - 0.50	B2			0.15	MADE GROUND - Dark reddish brown black slightly silty slightly gravelly ASH with fine to medium coal.		150.04	
	0.50 -	ES1			0.35	PID @ 0.5mbgl = 0.0ppm			
					0.50	Trial Pit terminated at 0.5mbgl on location of LP gas main. Window sample hole to be carried out between services.		149.69	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. Hole terminated due to LP gas main at 0.5mbgl. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP109
Dates : 13/7/22 - 13/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 150.19 m A.O.D. *Level to Ordnance Datum* Coordinates: 305851.92 E 204032.73 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP110

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

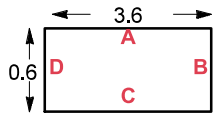
Engineer : Redstart

Ground Level : 161.01 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305546.44 E, 204606.43 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.			
					0.10	MADE GROUND - Dark reddish brown slightly silty slightly sandy GRAVEL with low cobble content of brick and siltstone and low boulder content of siltstone to 0.7mbgl. Gravel is angular to sub angular fine to coarse siltstone and brick.		160.91	
	0.50 - 0.50 - 0.70	ES1 B2				PID @ 0.5mbgl = 0.1ppm			
1	1.00 -	ES3			1.80	PID @ 1.00mbgl =1.9ppm			
	1.50 - 1.70	B4							
					1.90	MADE GROUND - Black slightly silty slightly sandy GRAVEL. Gravel is angular to sub angular fine to coarse siltstone, sandstone and ash, fine to medium coal.		159.11	
2	2.20 - 2.40	B5							
	2.50 -	ES6				PID @ 2.5mbgl = 8.1ppm			
3	3.20 - 3.50	B7			2.10				
						PID @ 4.0mbgl = 27.3ppm			
4	4.00 -	ES8			4.00	Trial pit terminated at scheduled depth of 4.0mbgl		157.01	

PLAN



Groundwater:

Stability: Sides collapsing 0.1-1.9mbgl

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP110
Dates : 13/7/22 - 13/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 161.01 m A.O.D. *Level to Ordnance Datum* Coordinates: 305546.44 E 204606.43 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated	AGS
AH	A Jones	2 Of 2			

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP111

Dates : 13/7/22 - 13/7/22

Location :

Job Number : Q0838

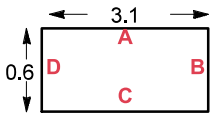
Engineer : Redstart

Ground Level : 160.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305521.68 E 204618.00 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.05	Rough vegetation over TOPSOIL - Black slightly sandy slightly gravelly SILT.		160.15	
					0.05	MADE GROUND - Black silty slighty sandy GRAVEL with low cobble content of sandstone. Gravel is angular to sub angular fine to coarse siltstone, sandstone, timber and metal.			
	0.50 - 0.50 - 1.00	ES1 B2			0.95	PID @ 0.5mbgl = 0.0ppm			
1	1.00 -	ES3				PID @ 1.00mbgl =5.6ppm			
					1.00	Trial Pit terminated at 1.0mbgl on location of low pressure gas main. Area heavily congested with unknown gas lines leading to / from existing and former gas sub station.		159.20	

PLAN



Groundwater:

Stability: Stable

Shoring: None

Remarks: Hole marked out using EHLP suppliede by client. Area CAT and Genny scanned with PAS B Survey carried out prior to issueing of Permit to Excavate. Hole terminated at 1.0mbgl on location of LP gas main. On completion hole backfilled with arrisings compacted in reverse order of excavation. Turf replaced at surface. No Groundwater Encountered

Equipment Used: 11 Tonne wheeled excavator with toothless bucket

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Operator:	Logged By.	Sheet No.	m Per Page	
AH	A Jones	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP111
Dates : 13/7/22 - 13/7/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 160.20 m A.O.D. *Level to Ordnance Datum* Coordinates: 305521.68 E 204618.00 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP112

Dates : 28/6/22 - 28/6/22

Location :

Job Number : Q0838

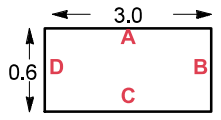
Engineer : Redstart

Ground Level : 161.66 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305630.39 E 204575.63 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Tarmac.			
					0.10 0.20	MADE GROUND - Dense grey sandy angular to subangular fine to coarse GRAVEL of limestone. (SUB-BASE)		161.56	
	0.30 - 0.50	B1			0.30	MADE GROUND - Dense black clayey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of brick, coal and concrete.		161.36	
	0.40 -	ES1		(Insitu PID.) - 0ppmv	0.20				
	0.60 - 1.00	B2			0.50	MADE GROUND - Dense black sandy angular to subangular fine to coarse GRAVEL of brick, coal, concrete, wood and slag.		161.16	
	0.70 -	D ES2		(Insitu PID.) - 0ppmv					
1					0.80				
					1.30	MADE GROUND - Medium dense greyish brown gravelly fine to coarse SAND with a high cobble content of subrounded sandstone. Gravel is angular to subrounded fine to coarse of brick, slag, sandstone, metal and concrete. (DEMOLITION WASTE)		160.36	
	1.50 - 2.00	B3		(Insitu PID.) - 0ppmv					
	1.50 -	ES3			0.70				
2	2.00 - 2.50	B4			2.00	MADE GROUND - Medium dense black gravelly fine to coarse SAND with a high cobble and medium boulder content of subrounded sandstone. Gravel is angular to subrounded fine to coarse of brick, concrete and sandstone.		159.66	
	2.10 -	ES4		(Insitu PID.) - 0ppmv					
	2.50 - 3.00	B5			1.00				
3	3.00 -	ES5		(Insitu PID.) - 0ppmv	3.00			158.66	

PLAN



Groundwater:

Stability: Unstable from 1.30m

Shoring: None

Remarks: 1.) Unstable from 1.30m, 2.) No groundwater encountered.

Equipment Used: 9 tonne excavator

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T.Goodrick	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP112
Dates : 28/6/22 - 28/6/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 161.66 m A.O.D. *Level to Ordnance Datum* Coordinates: 305630.39 E 204575.63 N *Co-ordinates to National Grid*

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T.Goodrick	2 Of 2		All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP113

Dates : 28/6/22 - 28/6/22

Location :

Job Number : Q0838

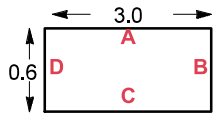
Engineer : Redstart

Ground Level : 160.72 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305684.81 E 204542.09 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Tarmac.			
	0.15 - 0.30	B1			0.10	MADE GROUND - Dense grey sandy angular to subangular fine to coarse GRAVEL of limestone. (SUB-BASE)		160.62	
	0.20 -	ES1		(Insitu PID.) - 0ppmv	0.05			160.57	
	0.40 - 0.80	B2			0.15	MADE GROUND - Loose black sandy angular to subangular fine GRAVEL of coal. (COAL DUST)			
	0.50 -	ES2		(Insitu PID.) - 0ppmv					
1	1.00 -	D		(Insitu PID.) - 0ppmv					
	1.00 - 1.50	B3							
	1.00 -	ES3							
					2.85				
2	2.00 -	D		(Insitu PID.) - 0ppmv					
	2.00 - 2.50	B4							
	2.00 -	ES4							
	2.50 - 3.00	B5							
3	3.00 -	ES5		(Insitu PID.) - 0ppmv	3.00			157.72	

PLAN



Groundwater:

Stability: Unstable from 0.80m

Shoring: None

Remarks: 1.) Unstable from 0.80m, 2.) No groundwater encountered.

Equipment Used: 9 tonne excavator

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T.Goodrick	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP113
Dates : 28/6/22 - 28/6/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 160.72 m A.O.D. *Level to Ordnance Datum* Coordinates: 305684.81 E 204542.09 N *Co-ordinates to National Grid*

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Trial Pit No. TP114

Dates : 28/6/22 - 28/6/22

Location :

Job Number : Q0838

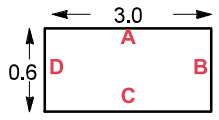
Engineer : Redstart

Ground Level : 158.00 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305725.53 E, 204493.60 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No.	Tests Depth	Tests Test Results	Strata Depth (Thick-ness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	WATER
					0.10	Tarmac.			
	0.20 - 0.50	B1			0.10 0.05	MADE GROUND - Dense grey sandy angular to subangular fine to coarse GRAVEL of limestone. (SUB-BASE)		157.90 157.85	
	0.50 -	ES1		(Insitu PID.) - 0ppmv	0.15 0.50	MADE GROUND - Medium dense black gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of mudstone and coal. (COLLIERY SPOIL)			
	0.70 - 1.20	B B2			0.65	MADE GROUND - Loose grey sandy angular to subangular fine to coarse GRAVEL of mudstone with a high cobble and boulder content of angular mudstone. (COLLIERY SPOIL)		157.35	
1	1.00 -	ES2		(Insitu PID.) - 0ppmv					
	1.50 - 2.00	B3			1.35				
2	2.00 -	ES3		(Insitu PID.) - 0ppmv	2.00			156.00	

PLAN



Groundwater:

Stability: Unstable from 0.50m

Shoring: None

Remarks: 1.) Unstable from 0.50m, unable to advance beyond 2.00m,
2.) No groundwater encountered.

Equipment Used: 9 tonne excavator

Quantum Geotech
Plas Newydd
Swansea
Tel: 01554744880
email: enquiries@quantumgeotechnic.co.uk

Operator:	Logged By.	Sheet No.	m Per Page	
QGL	T.Goodrick	1 Of 2	4.2	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory Client : Merthyr Tydfil County Borough Council		Trial Pit No. TP114
Dates : 28/6/22 - 28/6/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 158.00 m A.O.D. *Level to Ordnance Datum* Coordinates: 305725.53 E 204493.60 N *Co-ordinates to National Grid*

APPENDIX I

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS (SOILS)

HOOVER factory - soil screening
Residential with plant uptake
2.5%

Client: Quantum Geotechnic Ltd				Chemtest Job No.:	22-28185	22-28185	22-28185	22-28209	22-28209	22-28209	22-28209	22-28203	22-28203	22-27110	22-27110	22-27200	22-27200	22-25576	22-25794	22-25794	22-28211	22-28211	22-28211	22-28185	22-28185	22-28185	22-28706	22-25583	22-25794	22-28706	22-28706	22-25762	22-25576	22-25576	22-25762	22-28202	22-28202	22-28202	22-28202	22-28202	22-25576	22-25762	22-27200	22-27200	22-27200	22-28047	22-28047	22-28047	22-28047	22-28047	22-28047	22-28706	22-28706	22-26488	22-26488	22-26488
Quotation No.: Q22-27297				Chemtest Sample ID.:	1474837	1474840	1474841	1475005	1475008	1475000	1475001	1474936	1474938	1470164	1470167	1470560	1470563	1463196	1464118	1464117	1475012	1475014	1475016	1474843	1474844	1474845	1477523	1463226	1464121	1477521	1477522	1464001	1463192	1463194	1464001	1474925	1474926	1474920	1474921	1474923	1463190	1464002	1470571	1470568	1470569	1474214	1474216	1474219	1474221	1474223	1474224	1477519	1477520	1467037	1467038	1467039
Order No.:				Client Sample Ref.:	ES1	ES4	ES5	ES2	ES5	ES2	ES3	ES1	ES3	1	4	2	5	2	4	7	ES1	ES3	ES5	ES2	ES3	ES4	5	5	2	1	2	ES	1	3	ES	ES2	ES3	ES1	ES2	ES2	2	ES	2	4	5	1	3	1	3	2	3	1	3	1	2	3
				Sample Location:	WS101	WS101	WS101	WS102	WS102	WS103	WS103	WS105	WS105	WS106	WS106	WS107	WS107	WS108	WS108	WS108	WS109	WS109	WS109	WS110	WS110	WS110	WS110	WS111	WS112	WS112	WS113	WS113	WS113	5	WS114	WS114	5	WS116	WS116	WS117	WS117	WS118	WS119	4	WS120	WS121	WS121	WS122	WS122	WS123	WS123	WS124	WS124	WS125	WS125	WS126	WS126
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WS114	SOIL	SOIL	WS114	SOIL	SOIL	SOIL	SOIL	SOIL	WS119	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.20	2.50	4.00	0.50	4.00	0.50	1.00	0.50	2.50	0.2	2.0	0.50	3.80	0.50	1.9	3.3	0.30	1.00	4.00	1.00	2.50	4.00	4.00	2.0	0.5	0.50	1.80	SOIL	0.20	1.00	SOIL	1.00	2.50	0.50	1.00	1.00	0.50	SOIL	1.00	3.30	4.00	0.20	1.00	0.30	1.00	0.50	1.10	0.10	1.00	0.2	0.5	1.0
				Bottom Depth (m):	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	21-Jul-2022	21-Jul-2022		2.2		4.00		2.1	3.5	20-Jul-2022	20-Jul-2022	20-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	2.2				2.00	3.00			3.00	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.50		3.40	4.20						1.30					
				Date Sampled:										14-Jul-2022	14-Jul-2022	15-Jul-2022	15-Jul-2022	04-Jul-2022	05-Jul-2022	05-Jul-2022							27-Jul-2022	04-Jul-2022	05-Jul-2022	27-Jul-2022	27-Jul-2022	05-Jul-2022	04-Jul-2022	04-Jul-2022	04-Jul-2022	05-Jul-2022						04-Jul-2022	05-Jul-2022	15-Jul-2022	15-Jul-2022	15-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	27-Jul-2022	27-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022
				Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**Accred.**	**SOP**	**Units**	**LOD**																																																			
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	Insulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite Chrysotile Crocidolite	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	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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibres/Clumps	Chrysotile	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	No Asbestos Detected	No Asbestos Detected
Inorganics																																																						
Moisture	N	2030	%	0.020	2.3	13	17	9.0	18	9.0	12	4.1	21	15	12	14	21	15	35	20	13	19	20	9.1	4.1	24	19	13	19	17	10	18	13	11	18	14	11	13	6.8	12	4.7	2.8	1.6	7.5	8.1	6.2	8.7	4.1	4.9	6.0	7.3	6.5	7.1	10	6.4	3.3
pH	U	2010		4.0	6.7	8.3	7.4	7.4	6.3	7.1	8.1	8.6	8.4	8.6	7.1	7.9	8.9	8.8	6.8	7.4	8.3	7.3	7.6		8.1	7.7	8.5	8.8	7.5	9.1	8.6	8.0	8.9	8.7	8.0	5.7	7.3	8.9		8.6	9.1	9.0	9.8	7.2	8.7	9.2	8.8	9.4	9.0	9.3	8.8	9.5	9.1	7.5	8.5	8.9
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.57	0.43	< 0.40	< 0.40	0.63	0.51	< 0.40	< 0.40	0.52	0.87	0.8	0.64	0.54	0.78	0.84	< 0.40	< 0.40	< 0.40	< 0.40		0.72	0.96	0.40	22	56	< 0.40	< 0.40	2.6	1.4	1.3	2.6	8.1	1.1	1.1		1.4	1.1	1.2	0.50	0.74	< 0.40	< 0.40	0.59	< 0.40	0.52	0.55	1.0	0.58	0.84	0.43	< 0.40	0.80
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/L	0.010	0.038	0.023	0.013	0.031	0.026	0.023	0.026	0.024	0.022	0.042	0.22	0.087	0.077	0.041	0.040	0.057	0.014	0.031	0.016		0.036	0.014	< 0.010	0.062	0.13	0.012	0.015	0.17	0.079	0.11	0.17	0.080	0.094	0.030		0.037	0.055	0.044	0.13	0.27	0.087	0.058	0.055	0.032	0.087	0.038	0.22	0.077	0.018	< 0.010	< 0.010	0.061
Total Sulphur	U	2175	%	0.010	0.019	0.051	0.035	0.18	0.67	0.68	0.058	0.13	0.064	0.39	0.81	0.58	0.52	0.34	0.36	0.039	0.52	0.61	0.044		0.058	0.17	0.068	0.56	0.60	0.094	0.045	0.92	0.73	0.76	0.92	3.9	0.067	0.58		0.63	0.089	0.039	1.0	0.31	0.44	0.25	0.41	0.24	0.059	0.033	0.52	0.15	0.40	0.083	0.28	0.028
Cyanide (Total)	U	2300	mg/kg	0.50	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	U	2325	mg/kg	1.0	1.1	0.95	0.97	1.1	1.1	1.2	1.1	22	79	4.9	2.0	28	4.4	62	1.9	5.0	32	23	9.3		0.95	0.53	13	14	42	13	12	21	29	3.7	21	3.8	70	390		93	25	1.9	1.5	15	4.7	1.4	1.4	2.5	1.1	1.1	2.2	15	28	2.2	240	2.4
Metals																																																						
Aluminium (Total)	N	2430	mg/kg	100	2300	11000	8700	12000	3100	2800	5100	9200	13000	6300	8900	3100	6100	8600	7400	5000	2900	2500	3600		6900	2400	3700	9600	5000	8200	3500	6800	7100	8800	6800	24000	4300	15000		11000	7100	11000	24000	1200	1900	2500	4900	5400	2300	2300	26000	1300	4500	9900	14000	2900
Iron (Total)	N	2430	mg/kg	100	24000	6000	13000	21000	12000	16000	12000	28000	25000	23000	19000	32000	28000	22000	19000	18000	28000	30000	18000		13000	9000	18000	26000	14000	14000	19000	30000	21000	19000	30000	29000	17000	26000		24000	14000	21000	4500	17000	5200	14000	15000	15000	12000	7500	17000	6700	18000	29000	20000	5500
Arsenic	U	2455	mg/kg	0.5	19	2.8	18	23	3.8	96	9.7	29	21	16	18	14	44	25	21	6.9	11	10	4.2		3.2	5.5	4.6	58	16	21	5.3	5.6	76	55	5.6	96	4.7	20		15	6.4	4.5	0.9	12	6.6	7.3	11	6.0	6.8	4.1	9.0	3.9	5.7	9.6	7.3	0.8
Barium	U	2455	mg/kg	0	220	650	260	740	66	110	240	670	3100	150	58	110	580	720	320	85	130	170	54		180	88	60	700	210	1100	78	68	260	210	68	86	120	180		130	140	48	430	39	53	1200	210	820	90	52	400	640	75	86	150	15
Beryllium	U	2455	mg/kg	0.5	0.6	1.3	0.7	1.3	< 0.5	< 0.5	< 0.5	1.2	2.3	< 0.5	< 0.5	< 0.5	1.2	1.6	0.8	0.6	< 0.5	< 0.5	< 0.5		0.7	< 0.5	< 0.5	0.7	0.6	1.5	< 0.5	0.6	1.3	0.6	0.6	0.6	< 0.5	0.9		0.6	1.1	0.5	2.3	< 0.5	< 0.5	0.6	0.8	0.8	0.7	0.5	2.7	< 0.5	0.5	< 0.5	0.6	< 0.5
Cadmium	U	2455	mg/kg	0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	5.3	0.20	0.10	0.14	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	0.83	0.62	< 0.10	< 0.10	0.24	0.20	0.32	0.24	0.23	< 0.10	0.20		< 0.10	0.13	0.15	< 0.10	< 0.10	< 0.10	0.10	0.14	0.14	0.14	< 0.10	0.16	0.10	< 0.10	0.26	0.13	< 0.10
Chromium	U	2455	mg/kg	0.5	34	7.5	13	15	4.7	3.0	7.9	28	37	9.0	9.8	47	33	47	16	11	23	16	5.6		12	5.5	5.8	18	11	11	6.6	37	16	16	37	14	11	16		10	13	28	22	8.0	2.8	8.6	7.2	11	4.9	1.8	34	4.7	7.0	14	12	2.9
Manganese	U	2455	mg/kg	1.0	490	230	690	350	160	49	150	460	610	200	120	470	300	490	340	890	360	210	530		280	350	520	96	240	230	580	420	310	66	420	100	150	680		460	270	480	3200	83	100	< 1.0	440	1300	400	160	< 1.0	760	650	760	570	52
Copper	U	2455	mg/kg	0.50	46	13	17	45	11	40	17	71	67	28	28	39	63	300	120	12	240	590	18		30	18	15	32	88	34	16	33	83	22	33	22	30	48		36	37	19	2.5	24	18	14	39	23	37	24	26	8.1	18	17	22	6.6
Mercury	U	2455	mg/kg	0.05	0.09	< 0.05	< 0.05	0.12	< 0.05	0.34	< 0.05	0.23	< 0.05	0.17	0.18	0.05	< 0.05	0.69	0.11	< 0.05	0.10	0.05	< 0.05		< 0.05	0.06	< 0.05	2.0	0.09	< 0.05	< 0.05	0.10	0.47	0.34	0.10	< 0.05	0.07	0.11		0.09	0.05	0.06	< 0.05	< 0.05	< 0.05	0.08	0.15	0.09	0.07	< 0.05	0.08	< 0.05	< 0.05	0.06	0.08	< 0.05
Nickel	U	2455	mg/kg	0.50	19	13	49	35	13	5.4	7.8	64	63	16	8.9	18	46	49	36	17	19	21	13		32	14	18	16	25	39	19	29	22	14	29	8.2	18	23		16	35	25	3.1	80	22	12	29	22	46	17	11	7.0	21	12	19	8.4
Lead	U	2455	mg/kg	0.50	29	4.1	18	33	8.4	33	9.5	43	14	31	21	41	3.3	170	57	15	39	17	12		20	13	10	32	36	3.4	11	35	57	48	35	100	33	47		22	27	21	1.7	5.1	5.4	13	74	25	15	10	39	38	13	51	26	2.9
Selenium	U	2455	mg/kg	0.25	1.2	0.66	0.48	1.1	0.36	2.1	0.42	0.64	1.8	0.56	1.9	0.88	2.3	1.4	0.91	0.66	0.73	0.79	< 0.25		0.40	0.46	0.27	4.5	0.70	0.97	0.31	0.84	2.2	4.7	0.84	1.3	0.45	1.3		1.1	0.64	0.57	1.4	0.38	0.30	0.64	0.80	0.42	0.89	0.65	1.8	< 0.25	0.38	1.3	1.0	< 0.25
Vanadium	U	2455	mg/kg	0.5	68	16	24	40	6.4	8.1	21	40	66	14	12	75	61	50	33	12	39	30	6.8		9.2	9.3	8.0	23	23	29	8.9	42	28	26	42	24	11	19		13	10	31	47	21	12	7.9	13	9.1	6.7	3.5	66	6.0	9.7	20	15	1.8
Zinc	U	2455	mg/kg	0.50	45	9.6	64	29	27	15	6.0	260	15	57	37	28	8.6	280	64	71	67	24	33		75	21	39	130	44	11	42	73	65	48	73	40	120	110		82	87	51	7.0	70	12	36	93	62	81	39	71	43	46	77	52	15
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	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	U	2625	%	0.40	1.9	1.2	2.6	19	41	36	0.69	3.5	0.48	74	33	67	19	34	67	2.1	62	93	4.5		1.1	17	7.8	8.1	14	0.90	5.9	50	12	1.9	50	< 0.40	3.3	4.8		6.2	1.7	1.0	1.5	19	16	12	45	5.5	22	16	22	5.5	26	4.8	24	3.8
Aliphatics																																																						
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	68	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	88	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	16	< 1.0	< 1.0	< 1.0	< 1.0	22	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.7	6.7	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	3700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	110	< 1.0	< 1.0	< 1.0	< 1.0	130	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	63	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	9100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	1300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	130	< 5.0	< 5.0	< 5.0	< 5.0	150	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	68	140	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	13000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatics																																																					
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	< 1.0	< 1.0	< 1.0

HOOVER factory - soil screening
Residential with plant uptake
2.5%

| | | |

HOOVER factory - soil screening

Residential with plant uptake

2.5%

Client: Quantum Geotechnic Ltd	22-28706	22-28260	22-28260	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-27208	22-27208	22-27208	22-27208	22-27208	22-24952	22-24952	22-24952	22-25022	22-25022	22-25794	22-25794	22-24952	22-24952	22-24952	22-24952	22-25022	22-25022	22-25794	22-24550	22-24550	22-24550	22-24550	22-24550	No. samples	No. of exceedances	TSV	Average (Mean)	Average / TSV	Maximum	Max/ TSV
Quotation No.: Q22-27297	1477516	1475278	1475279	1468016	1468017	1468018	1468023	1468034	1468035	1468037	1468039	1468041	1468045	1468049	1470665	1470666	1470667	1470668	1470669	1460224	1460226	1460227	1460711	1464118	1464119	1464119	1458556	1458557	1458559	1458561	1458563													
Order No.:	5	2	1	4	6	7	11	22	9	11	13	15	19	23	4	5	6	7	8	1	3	4	1	1	1	2	1	3	4	1	4	1	1	3	5	7	9							
	IBH104	IBH104	IBH104 (Acid Sump)	IBH105	IBH105	IBH105	IBH105	IBH105	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	ES	ES	ES	BH104	BH104	BH107	BH107	ES	ES	ES	ES	RBH104	RBH104	RBH107	RBH112	RBH112	RBH112	RBH112	RBH112							
	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	BH101	BH101	BH101	SOIL	SOIL	SOIL	SOIL	BH113	RBH101	RBH101	RBH101	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
	4.00	0.50		1.2	4.2	4.8	13.2	7.2	6.2	8.7	11.7	14.7	20.7	26.7	1.2	2.7	4.2	4.8	6.15	SOIL	SOIL	SOIL	0.50	4.00	0.5	0.5	SOIL	SOIL	SOIL	SOIL	0.50	4.00	0.5	0.20	1.00	4.00	7.00	10.00							
				1.4	4.4	5.15	14.7	8.7	7.2	10.2	13.2	16.2	22.2	28.7	1.4	2.9	4.4	5	6.2	0.3	1.0	2.5					0.5	0.3	1.0	2.5	19-Jun-2022	19-Jun-2022		27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022							
	27-Jul-2022	12-Jul-2022	12-Jul-2022	09-Jul-2022	09-Jul-2022	09-Jul-2022	11-Jul-2022	09-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	19-Jun-2022	19-Jun-2022	05-Jul-2022	05-Jul-2022	30-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022													
	DURHAM	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB		DURHAM		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM							
Determinand																																											
ACM Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Asbestos Identification	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	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	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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	-	-	-	-			
Inorganics																																												
Moisture	16	14	9.8	5.8	7.9	15	12	7.0	8.9	21	17	10	10	16	4.6	8.7	6.4	23	19	11	15	18	14	22	13	13	12	11	15	18	14	22	13	13	14	22	4.3	22	145	0	-	12.1		35	
pH	8.3	8.4	8.9	9.5	8.5	8.9	9.0	8.9	7.7	7.4	9.5	8.2	9.0	9.1		9.1		9.4		8.6	8.3	8.6	7.8	8.7	8.4	8.4	5.3	8.6	8.3	8.6	7.8	8.7	8.4	8.6	8.8	8.6	6.5	6.2	136	129	7	8.3	1.19	10.1	1.44
Boron (Hot Water Soluble)	0.52	< 0.40	0.67	< 0.40	1.0	0.70	< 0.40	< 0.40	0.49	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40		< 0.40		0.48		< 0.40	0.40	< 0.40	< 0.40	< 0.40	3.3	3.3	0.90	< 0.40	0.40	< 0.40	< 0.40	< 0.40	3.3	0.45	0.44	0.60	0.64	< 0.40	136	0	-	2.8		170	
Sulphate (2:1 Water Soluble) as SO4	0.032	0.087	0.17	0.018	0.24	0.042	0.023	< 0.010	0.010	0.020	0.010	< 0.010	< 0.010	< 0.010		< 0.010		0.027		< 0.010	0.030	< 0.010	0.018	0.089	0.21	0.21	0.078	< 0.010	0.030	< 0.010	0.018	0.089	0.21	0.039	0.049	0.056	0.035	0.039	136	0	-	0.1		7.6	
Total Sulphur	0.13	0.16	0.51	0.071	0.26	0.030	0.020	0.030	0.037	0.019	0.032	0.051	0.017	0.070		0.15		0.19		0.39	0.29	0.56	0.15	0.11	0.26	0.26	0.71	0.39	0.29	0.56	0.15	0.11	0.26	0.48	0.41	0.83	0.030	0.096	136	0	-	0.3		3.9	
Cyanide (Total)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50	2.3	2.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	2.3	2.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	136	0	20	0.6	0.03	2.3	0.12
Sulphide (Easily Liberatable)	11	2.9	2.7	1.9	33	2.8	1.5	6.7	0.60	1.3	1.5	2.0	3.7	1.3		1.7		4.8		12	39	27	180	15	7.5	7.5	14	12	39	27	180	15	7.5	47	69	1.9	2.0	47	136	0	-	34.8		650	
Metals																																												
Aluminium (Total)	4800	7900	4200	6200	11000	3600	4800	4600	3800	3500	4800	3500	2700	2200		7000		5300		4300	7300	8700	13000	4000	6900	6900	7400	4300	7300	8700	13000	4000	6900	3800	4000	1900	7700	5600	136	0	-	7091.9		26000	
Iron (Total)	21000	17000	17000	20000	38000	14000	51000	28000	27000	18000	29000	21000	18000	19000		16000		19000		27000	29000	25000	23000	14000	20000	20000	15000	27000	29000	25000	23000	14000	20000	10000	10000	3800	12000	12000	136	0	-	20180.1		62000	
Arsenic	12	8.0	15	2.8	11	9.6	9.6	3.5	6.4	6.6	5.0	4.7	5.2	3.2		13		20		11	16	26	13	7.2	22	22	49	11	16	26	13	7.2	22	16	11	5.2	3.3	4.2	136	10	37.0	14.4	0.39	96	2.59
Barium	790	210	520	160	480	46	58	38	99	70	51	44	60	35		710		120		200	290	310	150	89	290	290	160	200	290	310	150	89	290	230	180	83	180	61	136	1	1300	258.0	0.20	3100	2.38
Beryllium	1.0	0.7	0.7	< 0.5	0.8	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		0.6		0.5		< 0.5	0.6	0.7	0.6	< 0.5	0.8	0.8	1.3	< 0.5	0.6	0.7	0.6	< 0.5	0.8	0.7	0.6	< 0.5	1.0	0.8	136	4	1.7	0.7	0.43	2.7	1.59
Cadmium	< 0.10	0.42	< 0.10	< 0.10	< 0.10	< 0.10	0.18	< 0.10	0.15	0.19	0.13	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	0.20	0.28	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	0.33	0.25	< 0.10	0.17	0.12	136	0	22.00	0.2	0.01	5.3	0.24
Chromium	17	12	15	3.0	23	6.1	13	20	26	25	7.8	5.9	5.2	4.1		11		16		14	11	13	25	5.9	19	19	12	14	11	13	25	5.9	19	9.5	10	2.3	14	8.8	136	0	910	14.0	0.02	62	0.07
Manganese	160	310	200	40	210	510	880	920	690	550	520	360	350	200		110		550		240	210	200	430	360	330	330	230	240	210	200	430	360	330	400	320	48	270	1400	136	0	-	438.7		4500	
Copper	44	22	40	7.7	20	6.3	13	6.5	14	13	10	9.1	8.5	11		24		23		33	36	37	30	14	130	130	59	33	36	37	30	14	130	62	29	14	31	11	136	0	2400	49.0	0.02	660	0.28
Mercury	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05		0.07		0.08	0.11	0.40	< 0.05	< 0.05	0.11	0.11	0.60	0.08	0.11	0.40	< 0.05	< 0.05	0.11	0.20	0.09	< 0.05	< 0.05	< 0.05	136	0	40	0.1	0.00	2	0.05
Nickel	48	29	62	3.5	75	8.6	26	14	21	18	19	12	11	13		20		21		22	20	21	32	12	34	34	14	22	20	21	32	12	34	22	17	7.6	31	10	136	1	130	24.3	0.19	190	1.46
Lead	6.2	25	6.5	1.1	3.4	7.1	13	6.8	9.5	16	11	9.3	8.8	16		5.8		30		25	26	39	22	14	45	45	48	25	26	39	22	14	45	130	65	6.2	21	15	136	0	200	29.9	0.15	180	0.90
Selenium	0.90	0.72	0.75	0.27	0.48	0.29	0.54	0.28	0.66	0.51	< 0.25	0.67	< 0.25	< 0.25		0.39		0.71		0.67	1.3	2.5	0.44	0.46	0.88	0.88	2.5	0.67	1.3	2.5	0.44	0.46	0.88	1.0	0.76	0.85	0.50	0.94	136	0	250	0.9	0.00	4.7	0.02
Vanadium	36	21	32	11	72	8.3	14	8.3	12	8.9	9.5	7.6	6.2	5.2		21		20		24	24	24	36	8.7	40	40	25	24	24	24	36	8.7	40	18	16	5.0	9.1	13	136	0	410	21.6	0.05	75	0.18
Zinc	20	88	380	4.4	11	21	56	37	43	37	37	29	25	31		3.1		38		31	31	33	41	26	64	64	30	31	31	33	41	26	64	150	82	6.0	72	39	136	0	3700	83.6	0.02	3500	0.95
Chromium (Hexavalent)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	136	0	21	0.5	0.02	0.5	0.02
Organic Matter	2.4	5.9	1.4	< 0.40	8.8	2.1	0.84	0.55	2.1	< 0.40	0.57	3.1	3.8	6.2		< 0.40		21		31	48	33	7.9	11	14	14	84	31	48	33	7.9	11	14	67	33	100	1.2	3.3	136	0	-	17.9		100	
Aliphatics																																												
Aliphatic TPH >C5-C6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	78	1.0	0.01	1	0.01
Aliphatic TPH >C6-C8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	230	1.0	0.00	1	0.00
Aliphatic TPH >C8-C10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	65	1.0	0.02	7	0.11
Aliphatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	330	1.9	0.01	68	0.21
Aliphatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	2400	3.0	0.00	95	0.04
Aliphatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	49	40	< 1.0	< 1.0	< 1.0	136	0	92000	31.2	0.00	3700	0.18
Aliphatic TPH >C21-C35	< 1.0	< 1.0	180	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	55	49	< 1.0	< 1.0	< 1.0	136	0	92000	86.2	0.00	9100	0.43
Aliphatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	21	1.5	0.07	74	3.52
Total Aliphatic Hydrocarbons	< 5.0	< 5.0	180	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	89	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	89	< 5.0	< 5.0	< 5.0	136	0	-	123.1		13000	
Aromatics																																												
Aromatic TPH >C5-C7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	140	1.0	0.01	1	0.01
Aromatic TPH >C7-C8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	290	1.0	0.00	1	0.00
Aromatic TPH >C8-C10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	83	1.0	0.01	1	0.01
Aromatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.7	< 1.0	< 1.0	< 1.0	< 1.0	136	0	180	1.1	0.01	6.7	0.04
Aromatic TPH >C12-C16	< 1.0	< 1.0	7.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	110	< 1.0	< 1.0	< 1.0	< 1.0	136	0	330	2.5	0.01	110	0.33
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	490	< 1.0	< 1.0	< 1.0	< 1.0	136	0	540	9.9	0.02	690	1.28
Aromatic TPH >C21-C35	< 1.0	< 1.0	180	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2400	1600	< 1.0	< 1.0	< 1.0	136	2	1500	89.6	0.06	5700	3.80
Aromatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	130	< 1.0	< 1.0	< 1.0	< 1.0	136	0	1500	12.5	0.01	1300	0.87
Total Aromatic Hydrocarbons	< 5.0	< 5.0	190	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2400	2300	< 5.0	< 5.0	< 5.0	136	0	-	115.3		7800	
Total Petroleum Hydrocarbons	< 10	< 10	360	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	2500	2400	< 10	< 10	< 10	136	0	-	239.6		21000	
PAHs																																												
Naphthalene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.3	4.0	< 0.10	< 0.10	< 0.10	136	0	5.6	0.2	0.04	5.5	0.98
Acenaphthylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40	1.6	< 0.10	< 0.10	< 0.10	136	0	420	0.1	0.00	1.6	0.00
Acenaphthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.7	23	< 0.10	< 0.10	< 0.10	136	0	510	0.3	0.00	23	0.05
Fluorene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.5	25	< 0.10	< 0.10	< 0.10	136	0	400	0.3	0.00	25	0.06
Phenanthrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		1.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	32	130	< 0.10	< 0.10	< 0.10	136	0	220	1.6	0.01	130	0.59
Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.3	32	< 0.10	< 0.10	< 0.10	136	0	5400	0.4	0.00	32	0.01
Fluoranthene	< 0.10	< 0.10	< 0.10	0.25	0.28	0.83	0.29	0.17

APPENDIX J

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS (LEACHATE)

HOOVER factory - soil screening
Residential with plant uptake
2.5%

| | | |

HOOVER factory - soil screening

Residential with plant uptake

2.5%

Client: Quantum Geotechnic Ltd	22-28706	22-28260	22-28260	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-26687	22-27208	22-27208	22-27208	22-27208	22-27208	22-24952	22-24952	22-24952	22-25022	22-25022	22-25794	22-25794	22-24952	22-24952	22-24952	22-24952	22-25022	22-25022	22-25794	22-24550	22-24550	22-24550	22-24550	22-24550	No. samples	No. of exceedances	TSV	Average (Mean)	Average / TSV	Maximum	Max/ TSV
Quotation No.: Q22-27297	1477516	1475278	1475279	1468016	1468017	1468018	1468023	1468034	1468035	1468037	1468039	1468041	1468045	1468049	1470665	1470666	1470667	1470668	1470669	1460224	1460226	1460227	1460711	1464118	1464119	1464119	1458556	1458557	1458559	1458561	1458563													
Order No.:	5	2	1	4	6	7	11	22	9	11	13	15	19	23	4	5	6	7	8	1	3	4	1	1	1	2	1	3	4	1	4	1	1	3	5	7	9							
	IBH104	IBH104	IBH104 (Acid Sump)	IBH105	IBH105	IBH105	IBH105	IBH105	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107	ES	ES	ES	BH104	BH104	BH107	BH107	ES	ES	ES	ES	RBH104	RBH104	RBH107	RBH112	RBH112	RBH112	RBH112	RBH112							
	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	BH101	BH101	BH101	SOIL	SOIL	SOIL	SOIL	BH113	RBH101	RBH101	RBH101	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
	4.00	0.50		1.2	4.2	4.8	13.2	7.2	6.2	8.7	11.7	14.7	20.7	26.7	1.2	2.7	4.2	4.8	6.15	SOIL	SOIL	SOIL	0.50	4.00	0.5	0.5	SOIL	SOIL	SOIL	SOIL	0.50	4.00	0.5	0.20	1.00	4.00	7.00	10.00							
				1.4	4.4	5.15	14.7	8.7	7.2	10.2	13.2	16.2	22.2	28.7	1.4	2.9	4.4	5	6.2	0.3	1.0	2.5					0.5	0.3	1.0	2.5	19-Jun-2022	19-Jun-2022		27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022							
	27-Jul-2022	12-Jul-2022	12-Jul-2022	09-Jul-2022	09-Jul-2022	09-Jul-2022	11-Jul-2022	09-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	12-Jul-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022	19-Jun-2022	19-Jun-2022	05-Jul-2022	05-Jul-2022	30-Jun-2022	29-Jun-2022	29-Jun-2022	29-Jun-2022													
	DURHAM	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB		DURHAM		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM							
Determinand																																											
ACM Type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Asbestos Identification	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	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	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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	-	-	-	-			
Inorganics																																												
Moisture	16	14	9.8	5.8	7.9	15	12	7.0	8.9	21	17	10	10	16	4.6	8.7	6.4	23	19	11	15	18	14	22	13	13	12	11	15	18	14	22	13	13	14	22	4.3	22	145	0	-	12.1		35	
pH	8.3	8.4	8.9	9.5	8.5	8.9	9.0	8.9	7.7	7.4	9.5	8.2	9.0	9.1		9.1		9.4		8.6	8.3	8.6	7.8	8.7	8.4	8.4	5.3	8.6	8.3	8.6	7.8	8.7	8.4	8.6	8.8	8.6	6.5	6.2	136	129	7	8.3	1.19	10.1	1.44
Boron (Hot Water Soluble)	0.52	< 0.40	0.67	< 0.40	1.0	0.70	< 0.40	< 0.40	0.49	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40		< 0.40		0.48		< 0.40	0.40	< 0.40	< 0.40	< 0.40	3.3	3.3	0.90	< 0.40	0.40	< 0.40	< 0.40	< 0.40	3.3	0.45	0.44	0.60	0.64	< 0.40	136	0	-	2.8		170	
Sulphate (2:1 Water Soluble) as SO4	0.032	0.087	0.17	0.018	0.24	0.042	0.023	< 0.010	0.010	0.020	0.010	< 0.010	< 0.010	< 0.010		< 0.010		0.027		< 0.010	0.030	< 0.010	0.018	0.089	0.21	0.21	0.078	< 0.010	0.030	< 0.010	0.018	0.089	0.21	0.039	0.049	0.056	0.035	0.039	136	0	-	0.1		7.6	
Total Sulphur	0.13	0.16	0.51	0.071	0.26	0.030	0.020	0.030	0.037	0.019	0.032	0.051	0.017	0.070		0.15		0.19		0.39	0.29	0.56	0.15	0.11	0.26	0.26	0.71	0.39	0.29	0.56	0.15	0.11	0.26	0.48	0.41	0.83	0.030	0.096	136	0	-	0.3		3.9	
Cyanide (Total)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50	2.3	2.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	2.3	2.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	136	0	20	0.6	0.03	2.3	0.12
Sulphide (Easily Liberatable)	11	2.9	2.7	1.9	33	2.8	1.5	6.7	0.60	1.3	1.5	2.0	3.7	1.3		1.7		4.8		12	39	27	180	15	7.5	7.5	14	12	39	27	180	15	7.5	47	69	1.9	2.0	47	136	0	-	34.8		650	
Metals																																												
Aluminium (Total)	4800	7900	4200	6200	11000	3600	4800	4600	3800	3500	4800	3500	2700	2200		7000		5300		4300	7300	8700	13000	4000	6900	6900	7400	4300	7300	8700	13000	4000	6900	3800	4000	1900	7700	5600	136	0	-	7091.9		26000	
Iron (Total)	21000	17000	17000	20000	38000	14000	51000	28000	27000	18000	29000	21000	18000	19000		16000		19000		27000	29000	25000	23000	14000	20000	20000	15000	27000	29000	25000	23000	14000	20000	10000	10000	3800	12000	12000	136	0	-	20180.1		62000	
Arsenic	12	8.0	15	2.8	11	9.6	9.6	3.5	6.4	6.6	5.0	4.7	5.2	3.2		13		20		11	16	26	13	7.2	22	22	49	11	16	26	13	7.2	22	16	11	5.2	3.3	4.2	136	10	37.0	14.4	0.39	96	2.59
Barium	790	210	520	160	480	46	58	38	99	70	51	44	60	35		710		120		200	290	310	150	89	290	290	160	200	290	310	150	89	290	230	180	83	180	61	136	1	1300	258.0	0.20	3100	2.38
Beryllium	1.0	0.7	0.7	< 0.5	0.8	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		0.6		0.5		< 0.5	0.6	0.7	0.6	< 0.5	0.8	0.8	1.3	< 0.5	0.6	0.7	0.6	< 0.5	0.8	0.7	0.6	< 0.5	1.0	0.8	136	4	1.7	0.7	0.43	2.7	1.59
Cadmium	< 0.10	0.42	< 0.10	< 0.10	< 0.10	< 0.10	0.18	< 0.10	0.15	0.19	0.13	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	0.20	0.28	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	0.33	0.25	< 0.10	0.17	0.12	136	0	22.00	0.2	0.01	5.3	0.24
Chromium	17	12	15	3.0	23	6.1	13	20	26	25	7.8	5.9	5.2	4.1		11		16		14	11	13	25	5.9	19	19	12	14	11	13	25	5.9	19	9.5	10	2.3	14	8.8	136	0	910	14.0	0.02	62	0.07
Manganese	160	310	200	40	210	510	880	920	690	550	520	360	350	200		110		550		240	210	200	430	360	330	330	230	240	210	200	430	360	330	400	320	48	270	1400	136	0	-	438.7		4500	
Copper	44	22	40	7.7	20	6.3	13	6.5	14	13	10	9.1	8.5	11		24		23		33	36	37	30	14	130	130	59	33	36	37	30	14	130	62	29	14	31	11	136	0	2400	49.0	0.02	660	0.28
Mercury	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05		< 0.05		0.07		0.08	0.11	0.40	< 0.05	< 0.05	0.11	0.11	0.60	0.08	0.11	0.40	< 0.05	< 0.05	0.11	0.20	0.09	< 0.05	< 0.05	< 0.05	136	0	40	0.1	0.00	2	0.05
Nickel	48	29	62	3.5	75	8.6	26	14	21	18	19	12	11	13		20		21		22	20	21	32	12	34	34	14	22	20	21	32	12	34	22	17	7.6	31	10	136	1	130	24.3	0.19	190	1.46
Lead	6.2	25	6.5	1.1	3.4	7.1	13	6.8	9.5	16	11	9.3	8.8	16		5.8		30		25	26	39	22	14	45	45	48	25	26	39	22	14	45	130	65	6.2	21	15	136	0	200	29.9	0.15	180	0.90
Selenium	0.90	0.72	0.75	0.27	0.48	0.29	0.54	0.28	0.66	0.51	< 0.25	0.67	< 0.25	< 0.25		0.39		0.71		0.67	1.3	2.5	0.44	0.46	0.88	0.88	2.5	0.67	1.3	2.5	0.44	0.46	0.88	1.0	0.76	0.85	0.50	0.94	136	0	250	0.9	0.00	4.7	0.02
Vanadium	36	21	32	11	72	8.3	14	8.3	12	8.9	9.5	7.6	6.2	5.2		21		20		24	24	24	36	8.7	40	40	25	24	24	24	36	8.7	40	18	16	5.0	9.1	13	136	0	410	21.6	0.05	75	0.18
Zinc	20	88	380	4.4	11	21	56	37	43	37	37	29	25	31		3.1		38		31	31	33	41	26	64	64	30	31	31	33	41	26	64	150	82	6.0	72	39	136	0	3700	83.6	0.02	3500	0.95
Chromium (Hexavalent)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50		< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	136	0	21	0.5	0.02	0.5	0.02
Organic Matter	2.4	5.9	1.4	< 0.40	8.8	2.1	0.84	0.55	2.1	< 0.40	0.57	3.1	3.8	6.2		< 0.40		21		31	48	33	7.9	11	14	14	84	31	48	33	7.9	11	14	67	33	100	1.2	3.3	136	0	-	17.9		100	
Aliphatics																																												
Aliphatic TPH >C5-C6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	78	1.0	0.01	1	0.01
Aliphatic TPH >C6-C8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	230	1.0	0.00	1	0.00
Aliphatic TPH >C8-C10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	65	1.0	0.02	7	0.11
Aliphatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	330	1.9	0.01	68	0.21
Aliphatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	2400	3.0	0.00	95	0.04
Aliphatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	49	40	< 1.0	< 1.0	< 1.0	136	0	92000	31.2	0.00	3700	0.18
Aliphatic TPH >C21-C35	< 1.0	< 1.0	180	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	55	49	< 1.0	< 1.0	< 1.0	136	0	92000	86.2	0.00	9100	0.43
Aliphatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	21	1.5	0.07	74	3.52
Total Aliphatic Hydrocarbons	< 5.0	< 5.0	180	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	89	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	89	< 5.0	< 5.0	< 5.0	136	0	-	123.1		13000	
Aromatics																																												
Aromatic TPH >C5-C7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	140	1.0	0.01	1	0.01
Aromatic TPH >C7-C8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	290	1.0	0.00	1	0.00
Aromatic TPH >C8-C10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	136	0	83	1.0	0.01	1	0.01
Aromatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.7	< 1.0	< 1.0	< 1.0	< 1.0	136	0	180	1.1	0.01	6.7	0.04
Aromatic TPH >C12-C16	< 1.0	< 1.0	7.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	110	< 1.0	< 1.0	< 1.0	< 1.0	136	0	330	2.5	0.01	110	0.33
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	490	< 1.0	< 1.0	< 1.0	< 1.0	136	0	540	9.9	0.02	690	1.28
Aromatic TPH >C21-C35	< 1.0	< 1.0	180	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2400	1600	< 1.0	< 1.0	< 1.0	136	2	1500	89.6	0.06	5700	3.80
Aromatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	130	< 1.0	< 1.0	< 1.0	< 1.0	136	0	1500	12.5	0.01	1300	0.87
Total Aromatic Hydrocarbons	< 5.0	< 5.0	190	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0		< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2400	2300	< 5.0	< 5.0	< 5.0	136	0	-	115.3		7800	
Total Petroleum Hydrocarbons	< 10	< 10	360	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	2500	2400	< 10	< 10	< 10	136	0	-	239.6		21000	
PAHs																																												
Naphthalene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.3	4.0	< 0.10	< 0.10	< 0.10	136	0	5.6	0.2	0.04	5.5	0.98
Acenaphthylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40	1.6	< 0.10	< 0.10	< 0.10	136	0	420	0.1	0.00	1.6	0.00
Acenaphthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.7	23	< 0.10	< 0.10	< 0.10	136	0	510	0.3	0.00	23	0.05
Fluorene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.5	25	< 0.10	< 0.10	< 0.10	136	0	400	0.3	0.00	25	0.06
Phenanthrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		1.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	32	130	< 0.10	< 0.10	< 0.10	136	0	220	1.6	0.01	130	0.59
Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.3	32	< 0.10	< 0.10	< 0.10	136	0	5400	0.4	0.00	32	0.01
Fluoranthene	< 0.10	< 0.10	< 0.10	0.25	0.28	0.83	0.29	0.17

APPENDIX K

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS (GROUNDWATER)

HOOVER Factory - Groundwater Round 1 Screening

Client: Quantum Geotechnic Ltd	test Job No.:				22-29752	22-29752	22-29743	22-29748	22-29741	22-29741	22-29755	22-29743	22-29755	22-29755	30726	30726	30726	22-29741	22-29741	22-29743	22-29743	22-29748	22-29748	22-29748	22-29748	22-29752	22-29752					
Quotation No.: Q22-27297	Sample ID.:				1481993	1481994	1481923	1481943	1481914	1481915	1482009	1481924	1482010	1482011	1486426	1486427	1486428	1481916	1481917	1481921	1481922	1481939	1481940	1481941	1481942	1481995	1481996					
Order No.:	mple Ref.:				1	1	1	1	1	2	1	1	1	2	EW1	EW1	EW1	1	2	1	1	1	1	1	1	1	1					
Sample Location:					RBH101	RBH102	RBH103	RBH105	RBH106	RBH106(B)	RBH108	RBH108	RBH109	RBH109(B)	RBH110	RBH111	RBH112	RBH113	RBH113(B)	RWS-S	RWS-N	IBH103	IBH105	IBH106	IBH107	CP101	CP102					
Sample Type:					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER					
Top Depth (m):					5.13	5.33	6.25	4.16	5.86	5.56	5.40	5.41	8.54	8.66	14.12	8.94	18.70	7.86	7.56			4.78	6.80	6.86	6.89	5.53	5.44					
Date Sampled:					03-Aug-2022	03-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	03-Aug-2022	04-Aug-2022	03-Aug-2022	03-Aug-2022	09-Aug-2022	09-Aug-2022	09-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	04-Aug-2022	03-Aug-2022	03-Aug-2022					
Determinand	**Accred.**	**SOP**	**Units**	**LOD**																								**No. samples**	**No. of exceedances**	**TSV**	**Average (Mean)**	**Average / TSV**	**Maximum**	**Max/ TSV**
pH	U	1010		N/A	7.7	7.4	8.2	8.1	8.5	8.6	7.2	8.0	7.4	7.4	7.9	7.7	8.1	8.3	8.1	8.3	8.3	8.0	8.2	8.2	8.4	7.4	7.4	23	1	8.5	7.9	0.9	8.6	1.01
Inorganics																																	
Sulphur	N	1220	mg/l	1.0	73	100	18	230	7.3	30	100	87	120	110	140	100	9.3	37	40	5.7	5.7	53	33	31	37	37	28	23	0	-	62.3		230.0	-
Biochemical Oxygen Demand	N	1090	mg O2/l	4.0																< 4.0	< 4.0							2	0	-	4.0		0.0	-
Chemical Oxygen Demand	U	1100	mg O2/l	10																< 10	< 10							2	0	-	10.0		0.0	-
Calcium (Dissolved)	U	1455	mg/l	2.00																33	33							2	0	-	33.0		33.0	-
Total Hardness as CaCO3	U	1270	mg/l	15																110	100							2	0	-	105.0		110.0	-
Sulphate	U	1220	mg/l	1.0	220	300	55	690	22	89	300	260	350	340	430	300	28	110	120	17	17	160	98	94	110	110	85	23	0	188000	187.2	0.0	690.0	0.00
Cyanide (Total)	U	1300	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.21	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	23	0	1	0.1	0.1	0.2	0.21
Sulphide	U	1325	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	23	0	0.25	0.1	0.2	0.0	0.00
Metals																																	
Arsenic (Dissolved)	U	1455	µg/l	0.20	2.2	0.26	0.29	< 0.20	1.4	0.78	< 0.20	< 0.20	21	2.2	0.23	< 0.20	1.3	< 0.20	< 0.20	0.88	0.76	< 0.20	< 0.20	< 0.20	2.1	< 0.20	< 0.20	23	0	25.8	1.5	0.1	21.0	0.81
Boron (Dissolved)	U	1455	µg/l	10.0	240	160	43	130	< 10	65	140	100	170	150	69	88	87	55	53	10	< 10	110	61	64	70	130	110	23	0	750	92.4	0.1	240.0	0.32
Barium (Dissolved)	U	1455	µg/l	5.00	140	79	77	48	38	80	78	47	110	81	110	73	210	140	160	41	44	44	76	52	27	81	92	23	6	100	83.8	0.8	210.0	2.10
Beryllium (Dissolved)	U	1455	µg/l	1.00	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	26	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	23	1	4	2.3	0.1	26.0	6.50
Cadmium (Dissolved)	U	1455	µg/l	0.11	0.76	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	27	0.38	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	23	3	0.05	1.3	24.6	27.0	500.00
Chromium (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	23	1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	5.4	< 0.50	< 0.50	< 0.50	23	2	4.7	1.7	0.4	23.0	4.60
Copper (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	20	< 0.50	< 0.50	< 0.50	1.2	< 0.50	< 0.50	0.60	1.6	< 0.50	< 0.50	< 0.50	8.2	< 0.50	< 0.50	23	2	2.12	1.8	0.8	20.0	2.47
Iron (Dissolved)	N	1455	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	9.3	< 5.0	< 5.0	32	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	38	< 5.0	< 5.0	58	< 5.0	< 5.0	23	0	200	10.1	0.1	58.0	0.29
Mercury (Dissolved)	U	1455	µg/l	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	23	0	0.026	<0.05		0.0	-
Nickel (Dissolved)	U	1455	µg/l	0.50	4.4	0.96	< 0.50	< 0.50	< 0.50	17	< 0.50	1.0	30	3.3	2.4	1.8	3.5	< 0.50	< 0.50	< 0.50	< 0.50	4.9	< 0.50	< 0.50	4	1.9	2.1	23	9	2.06	3.6	1.7	30.0	14.56
Lead (Dissolved)	U	1455	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	23	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	23	1	2.54	1.5	0.8	23.0	9.00
Selenium (Dissolved)	U	1455	µg/l	0.50	2.1	1.9	0.70	< 0.50	0.84	2.1	1.9	1.3	16	6.2	0.96	2.1	1.4	1.9	1.4	< 0.50	< 0.50	2.2	0.93	0.71	< 0.50	1.8	1.4	23	1	10.0	2.2	0.7	16.0	1.60
Vanadium (Dissolved)	U	1455	µg/l	0.50	1.1	< 0.50	< 0.50	< 0.50	0.65	0.64	< 0.50	< 0.50	25	0.82	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4.7	< 0.50	< 0.50	23	1	20.00	1.8	0.1	25.0	1.25
Zinc (Dissolved)	U	1455	µg/l	2.5	18	< 2.5	< 2.5	< 2.5	< 2.5	6.5	< 2.5	3.5	28	< 2.5	4.5	< 2.5	11	< 2.5	< 2.5	19	14	< 2.5	< 2.5	< 2.5	11	< 2.5	< 2.5	23	7	5.62	6.5	1.3	28.0	4.48
Chromium (Hexavalent)	U	1490	µg/l	20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	23	0	0.6	<20		<20	-
Organics																																	
Dissolved Organic Carbon	U	1610	mg/l	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	42	35	46	< 2.0	< 2.0	2.9	2.9	< 2.0	< 2.0	< 2.0	2.4	< 2.0	< 2.0	23	0	-	7.2		46.0	-
Total Organic Carbon	U	1610	mg/l	2.0	2.5	< 2.0	< 2.0	79	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	57	< 2.0	48	< 2.0	< 2.0	2.8	2.8	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	23	0	-	9.8		79.0	-
Aliphatics																																	
Aliphatic TPH >C5-C6	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C6-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aliphatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	-	0.1		0.0	-
Total Aliphatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	23	0	-	5.0		0.0	-
Aromatics																																	
Aromatic TPH >C5-C7	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aromatic TPH >C7-C8	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	0.75	0.1	0.1	0.0	0.00
Aromatic TPH >C8-C10	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aromatic TPH >C10-C12	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aromatic TPH >C12-C16	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	10	0.1	0.0	0.0	0.00
Aromatic TPH >C16-C21	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	90	0.1	0.0	0.0	0.00
Aromatic TPH >C21-C35	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0	90	0.1	0.0	0.0	0.00
Aromatic TPH >C35-C44	N	1675	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	23	0		0.1		0.0	-
Total Aromatic Hydrocarbons	N	1675	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	23	0		5.0		0.0	-
Total Petroleum Hydrocarbons	N	1675	µg/l	10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23	0		10.0		0.0	-
VOCs																																	
Dichlorodifluoromethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Chloromethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Vinyl Chloride	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Bromomethane	U	1760	µg/l	5	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	19	0		5.0		0.0	-
Chloroethane	U	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0		< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	19	0		2.0		0.0	-
Trichlorofluoromethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,1-Dichloroethene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Trans 1,2-Dichloroethene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,1-Dichloroethene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
cis 1,2-Dichloroethene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Bromochloromethane	U	1760	µg/l	5	< 5	< 5	< 5		< 5		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	19	0		5.0		0.0	-
Trichloromethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,1,1-Trichloroethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Tetrachloromethane	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,1-Dichloropropene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Benzene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,2-Dichloroethane	U	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0		< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	19	0		2.0		0.0	-
Trichloroethene	N	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
4-Isopropyltoluene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,4-Dichlorobenzene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
N-Butylbenzene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,2-Dichlorobenzene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,2-Dibromo-3-Chloropropane	U	1760	µg/l	50	< 50	< 50	< 50		< 50		< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	19	0		50.0		0.0	-
1,2,4-Trichlorobenzene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
Hexachlorobutadiene	U	1760	µg/l	1.0	< 1.0	< 1.0	< 1.0		< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	19	0		1.0		0.0	-
1,2,3-Trichlorobenzene	U	1760	µg/l	2.0	< 2.0	< 2.0	< 2.0		< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	<

HOOVER factory - soil screening
Residential with plant uptake
2.5%

Client: Quantum Geotechnic Ltd				Chemtest Job No.:	22-28185	22-28185	22-28185	22-28209	22-28209	22-28209	22-28209	22-28203	22-28203	22-27110	22-27110	22-27200	22-27200	22-25576	22-25794	22-25794	22-28211	22-28211	22-28211	22-28185	22-28185	22-28185	22-28706	22-25583	22-25794	22-28706	22-28706	22-25762	22-25576	22-25576	22-25762	22-28202	22-28202	22-28202	22-28202	22-28202	22-25576	22-25762	22-27200	22-27200	22-27200	22-28047	22-28047	22-28047	22-28047	22-28047	22-28047	22-28706	22-28706	22-26488	22-26488	22-26488
Quotation No.: Q22-27297				Chemtest Sample ID.:	1474837	1474840	1474841	1475005	1475008	1475000	1475001	1474936	1474938	1470164	1470167	1470560	1470563	1463196	1464118	1464117	1475012	1475014	1475016	1474843	1474844	1474845	1477523	1463226	1464121	1477521	1477522	1464001	1463192	1463194	1464001	1474925	1474926	1474920	1474921	1474923	1463190	1464002	1470571	1470568	1470569	1474214	1474216	1474219	1474221	1474223	1474224	1477519	1477520	1467037	1467038	1467039
Order No.:				Client Sample Ref.:	ES1	ES4	ES5	ES2	ES5	ES2	ES3	ES1	ES3	1	4	2	5	2	4	7	ES1	ES3	ES5	ES2	ES3	ES4	5	5	2	1	2	ES	1	3	ES	ES2	ES3	ES1	ES2	ES2	2	ES	2	4	5	1	3	1	3	2	3	1	3	1	2	3
				Sample Location:	WS101	WS101	WS101	WS102	WS102	WS103	WS103	WS105	WS105	WS106	WS106	WS107	WS107	WS108	WS108	WS108	WS109	WS109	WS109	WS110	WS110	WS110	WS110	WS111	WS112	WS112	WS113	WS113	WS113	5	WS114	WS114	5	WS116	WS116	WS117	WS117	WS118	WS119	4	WS120	WS121	WS121	WS122	WS122	WS123	WS123	WS124	WS124	WS125	WS125	WS126	WS126
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WS114	SOIL	SOIL	WS114	SOIL	SOIL	SOIL	SOIL	SOIL	WS119	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.20	2.50	4.00	0.50	4.00	0.50	1.00	0.50	2.50	0.2	2.0	0.50	3.80	0.50	1.9	3.3	0.30	1.00	4.00	1.00	2.50	4.00	4.00	2.0	0.5	0.50	1.80	SOIL	0.20	1.00	SOIL	1.00	2.50	0.50	1.00	1.00	0.50	SOIL	1.00	3.30	4.00	0.20	1.00	0.30	1.00	0.50	1.10	0.10	1.00	0.2	0.5	1.0
				Bottom Depth (m):	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	18-Jul-2022	21-Jul-2022	21-Jul-2022		2.2		4.00		2.1	3.5	20-Jul-2022	20-Jul-2022	20-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	2.2				2.00	3.00			3.00	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.50		3.40	4.20						1.30					
				Date Sampled:										14-Jul-2022	14-Jul-2022	15-Jul-2022	15-Jul-2022	04-Jul-2022	05-Jul-2022	05-Jul-2022							27-Jul-2022	04-Jul-2022	05-Jul-2022	27-Jul-2022	27-Jul-2022	05-Jul-2022	04-Jul-2022	04-Jul-2022	04-Jul-2022	05-Jul-2022						04-Jul-2022	05-Jul-2022	15-Jul-2022	15-Jul-2022	15-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	27-Jul-2022	27-Jul-2022	11-Jul-2022	11-Jul-2022	11-Jul-2022
				Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	**Accred.**	**SOP**	**Units**	**LOD**																																																			
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	Insulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Amosite Chrysotile Crocidolite	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	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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Fibres/Clumps	Chrysotile	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	No Asbestos Detected	No Asbestos Detected
Inorganics																																																						
Moisture	N	2030	%	0.020	2.3	13	17	9.0	18	9.0	12	4.1	21	15	12	14	21	15	35	20	13	19	20	9.1	4.1	24	19	13	19	17	10	18	13	11	18	14	11	13	6.8	12	4.7	2.8	1.6	7.5	8.1	6.2	8.7	4.1	4.9	6.0	7.3	6.5	7.1	10	6.4	3.3
pH	U	2010		4.0	6.7	8.3	7.4	7.4	6.3	7.1	8.1	8.6	8.4	8.6	7.1	7.9	8.9	8.8	6.8	7.4	8.3	7.3	7.6		8.1	7.7	8.5	8.8	7.5	9.1	8.6	8.0	8.9	8.7	8.0	5.7	7.3	8.9		8.6	9.1	9.0	9.8	7.2	8.7	9.2	8.8	9.4	9.0	9.3	8.8	9.5	9.1	7.5	8.5	8.9
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.57	0.43	< 0.40	< 0.40	0.63	0.51	< 0.40	< 0.40	0.52	0.87	0.8	0.64	0.54	0.78	0.84	< 0.40	< 0.40	< 0.40	< 0.40		0.72	0.96	0.40	22	56	< 0.40	< 0.40	2.6	1.4	1.3	2.6	8.1	1.1	1.1		1.4	1.1	1.2	0.50	0.74	< 0.40	< 0.40	0.59	< 0.40	0.52	0.55	1.0	0.58	0.84	0.43	< 0.40	0.80
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/L	0.010	0.038	0.023	0.013	0.031	0.026	0.023	0.026	0.024	0.022	0.042	0.22	0.087	0.077	0.041	0.040	0.057	0.014	0.031	0.016		0.036	0.014	< 0.010	0.062	0.13	0.012	0.015	0.17	0.079	0.11	0.17	0.080	0.094	0.030		0.037	0.055	0.044	0.13	0.27	0.087	0.058	0.055	0.032	0.087	0.038	0.22	0.077	0.018	< 0.010	< 0.010	0.061
Total Sulphur	U	2175	%	0.010	0.019	0.051	0.035	0.18	0.67	0.68	0.058	0.13	0.064	0.39	0.81	0.58	0.52	0.34	0.36	0.039	0.52	0.61	0.044		0.058	0.17	0.068	0.56	0.60	0.094	0.045	0.92	0.73	0.76	0.92	3.9	0.067	0.58		0.63	0.089	0.039	1.0	0.31	0.44	0.25	0.41	0.24	0.059	0.033	0.52	0.15	0.40	0.083	0.28	0.028
Cyanide (Total)	U	2300	mg/kg	0.50	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	1.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	U	2325	mg/kg	1.0	1.1	0.95	0.97	1.1	1.1	1.2	1.1	22	79	4.9	2.0	28	4.4	62	1.9	5.0	32	23	9.3		0.95	0.53	13	14	42	13	12	21	29	3.7	21	3.8	70	390		93	25	1.9	1.5	15	4.7	1.4	1.4	2.5	1.1	1.1	2.2	15	28	2.2	240	2.4
Metals																																																						
Aluminium (Total)	N	2430	mg/kg	100	2300	11000	8700	12000	3100	2800	5100	9200	13000	6300	8900	3100	6100	8600	7400	5000	2900	2500	3600		6900	2400	3700	9600	5000	8200	3500	6800	7100	8800	6800	24000	4300	15000		11000	7100	11000	24000	1200	1900	2500	4900	5400	2300	2300	26000	1300	4500	9900	14000	2900
Iron (Total)	N	2430	mg/kg	100	24000	6000	13000	21000	12000	16000	12000	28000	25000	23000	19000	32000	28000	22000	19000	18000	28000	30000	18000		13000	9000	18000	26000	14000	14000	19000	30000	21000	19000	30000	29000	17000	26000		24000	14000	21000	4500	17000	5200	14000	15000	15000	12000	7500	17000	6700	18000	29000	20000	5500
Arsenic	U	2455	mg/kg	0.5	19	2.8	18	23	3.8	96	9.7	29	21	16	18	14	44	25	21	6.9	11	10	4.2		3.2	5.5	4.6	58	16	21	5.3	5.6	76	55	5.6	96	4.7	20		15	6.4	4.5	0.9	12	6.6	7.3	11	6.0	6.8	4.1	9.0	3.9	5.7	9.6	7.3	0.8
Barium	U	2455	mg/kg	0	220	650	260	740	66	110	240	670	3100	150	58	110	580	720	320	85	130	170	54		180	88	60	700	210	1100	78	68	260	210	68	86	120	180		130	140	48	430	39	53	1200	210	820	90	52	400	640	75	86	150	15
Beryllium	U	2455	mg/kg	0.5	0.6	1.3	0.7	1.3	< 0.5	< 0.5	< 0.5	1.2	2.3	< 0.5	< 0.5	< 0.5	1.2	1.6	0.8	0.6	< 0.5	< 0.5	< 0.5		0.7	< 0.5	< 0.5	0.7	0.6	1.5	< 0.5	0.6	1.3	0.6	0.6	0.6	< 0.5	0.9		0.6	1.1	0.5	2.3	< 0.5	< 0.5	0.6	0.8	0.8	0.7	0.5	2.7	< 0.5	0.5	< 0.5	0.6	< 0.5
Cadmium	U	2455	mg/kg	0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	5.3	0.20	0.10	0.14	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	0.83	0.62	< 0.10	< 0.10	0.24	0.20	0.32	0.24	0.23	< 0.10	0.20		< 0.10	0.13	0.15	< 0.10	< 0.10	< 0.10	0.10	0.14	0.14	0.14	< 0.10	0.16	0.10	< 0.10	0.26	0.13	< 0.10
Chromium	U	2455	mg/kg	0.5	34	7.5	13	15	4.7	3.0	7.9	28	37	9.0	9.8	47	33	47	16	11	23	16	5.6		12	5.5	5.8	18	11	11	6.6	37	16	16	37	14	11	16		10	13	28	22	8.0	2.8	8.6	7.2	11	4.9	1.8	34	4.7	7.0	14	12	2.9
Manganese	U	2455	mg/kg	1.0	490	230	690	350	160	49	150	460	610	200	120	470	300	490	340	890	360	210	530		280	350	520	96	240	230	580	420	310	66	420	100	150	680		460	270	480	3200	83	100	< 1.0	440	1300	400	160	< 1.0	760	650	760	570	52
Copper	U	2455	mg/kg	0.50	46	13	17	45	11	40	17	71	67	28	28	39	63	300	120	12	240	590	18		30	18	15	32	88	34	16	33	83	22	33	22	30	48		36	37	19	2.5	24	18	14	39	23	37	24	26	8.1	18	17	22	6.6
Mercury	U	2455	mg/kg	0.05	0.09	< 0.05	< 0.05	0.12	< 0.05	0.34	< 0.05	0.23	< 0.05	0.17	0.18	0.05	< 0.05	0.69	0.11	< 0.05	0.10	0.05	< 0.05		< 0.05	0.06	< 0.05	2.0	0.09	< 0.05	< 0.05	0.10	0.47	0.34	0.10	< 0.05	0.07	0.11		0.09	0.05	0.06	< 0.05	< 0.05	< 0.05	0.08	0.15	0.09	0.07	< 0.05	0.08	< 0.05	< 0.05	0.06	0.08	< 0.05
Nickel	U	2455	mg/kg	0.50	19	13	49	35	13	5.4	7.8	64	63	16	8.9	18	46	49	36	17	19	21	13		32	14	18	16	25	39	19	29	22	14	29	8.2	18	23		16	35	25	3.1	80	22	12	29	22	46	17	11	7.0	21	12	19	8.4
Lead	U	2455	mg/kg	0.50	29	4.1	18	33	8.4	33	9.5	43	14	31	21	41	3.3	170	57	15	39	17	12		20	13	10	32	36	3.4	11	35	57	48	35	100	33	47		22	27	21	1.7	5.1	5.4	13	74	25	15	10	39	38	13	51	26	2.9
Selenium	U	2455	mg/kg	0.25	1.2	0.66	0.48	1.1	0.36	2.1	0.42	0.64	1.8	0.56	1.9	0.88	2.3	1.4	0.91	0.66	0.73	0.79	< 0.25		0.40	0.46	0.27	4.5	0.70	0.97	0.31	0.84	2.2	4.7	0.84	1.3	0.45	1.3		1.1	0.64	0.57	1.4	0.38	0.30	0.64	0.80	0.42	0.89	0.65	1.8	< 0.25	0.38	1.3	1.0	< 0.25
Vanadium	U	2455	mg/kg	0.5	68	16	24	40	6.4	8.1	21	40	66	14	12	75	61	50	33	12	39	30	6.8		9.2	9.3	8.0	23	23	29	8.9	42	28	26	42	24	11	19		13	10	31	47	21	12	7.9	13	9.1	6.7	3.5	66	6.0	9.7	20	15	1.8
Zinc	U	2455	mg/kg	0.50	45	9.6	64	29	27	15	6.0	260	15	57	37	28	8.6	280	64	71	67	24	33		75	21	39	130	44	11	42	73	65	48	73	40	120	110		82	87	51	7.0	70	12	36	93	62	81	39	71	43	46	77	52	15
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	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	U	2625	%	0.40	1.9	1.2	2.6	19	41	36	0.69	3.5	0.48	74	33	67	19	34	67	2.1	62	93	4.5		1.1	17	7.8	8.1	14	0.90	5.9	50	12	1.9	50	< 0.40	3.3	4.8		6.2	1.7	1.0	1.5	19	16	12	45	5.5	22	16	22	5.5	26	4.8	24	3.8
Aliphatics																																																						
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	68	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	88	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	16	< 1.0	< 1.0	< 1.0	< 1.0	22	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.7	6.7	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	3700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	110	< 1.0	< 1.0	< 1.0	< 1.0	130	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	63	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	9100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	1300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	130	< 5.0	< 5.0	< 5.0	< 5.0	150	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	68	140	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	13000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatics																																																					
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	< 1.0	< 1.0	< 1.0

HOOVER factory - soil screening
Residential with plant uptake
2.5%

| | | |

FIGURES

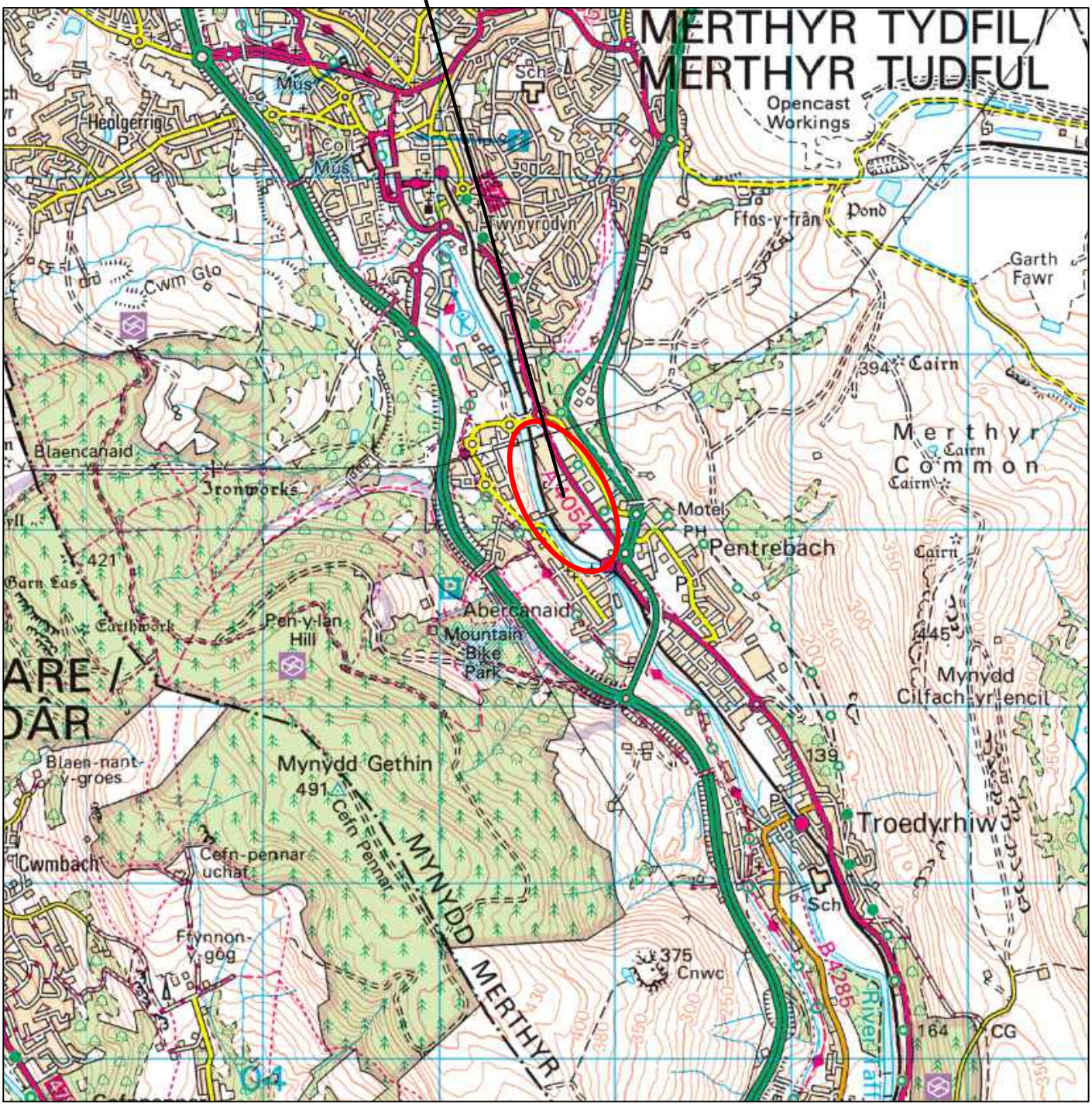
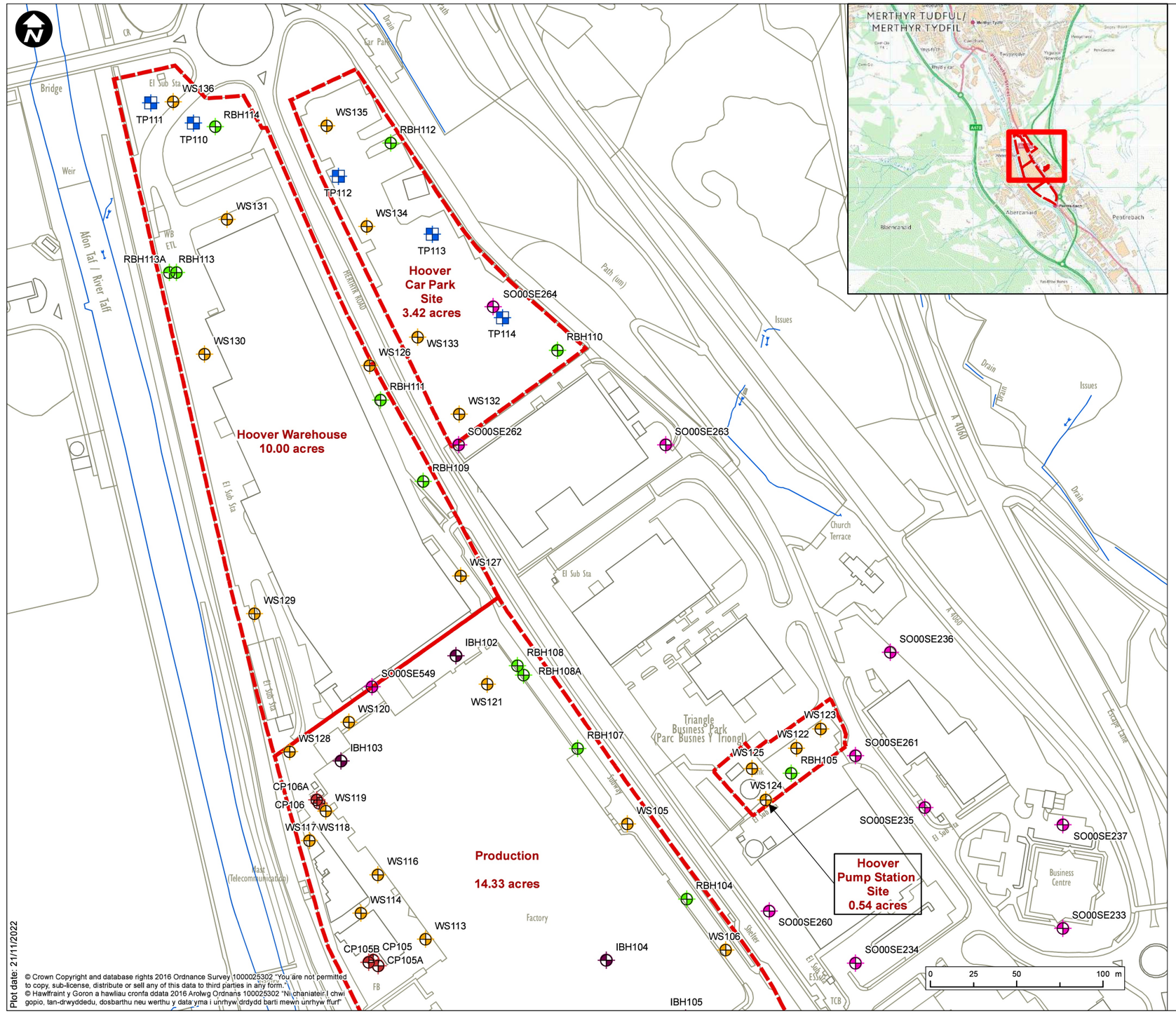


Figure 1: Site Location

Project: Former Hoover Candy Site, Merthyr Tydfil	Job no.: 14275	**Intégral** Géotechnique	Integral House, 7 Beddau Way, Castlegate Business Park, Caerphilly, CF83 2AX. Tel: 029 2080 7991
Client: Walters Land Limited	Scale: 1:50,000		



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Legend

- Site Boundaries
- Rotary Borehole
- Cable Percussion
- Internal Borehole
- Window Sample
- BGS Borehole
- Trial Pit

Rev	Drwn	Chk'd	App'd	Description	Date
P05					
P04					
P03					
P02	AC	AR	NG	FOR ISSUE	21/11/2022
P01	AC	LM	NG	FOR ISSUE	10/10/2022

Purpose of Issue
S2 - For Information

Classification
Commercial in Confidence

Client
Merthyr Tydfil CBC

Cyngor Bwrdeistref Sirol MERTHYR TUDFUL MERTHYR TYDFIL County Borough Council

Project
Hoover Candy Factory

Drawing
Exploratory Hole Location Plan

Page 1 of 2 Plan

Scale @ A3	Drawn	Checked	Approved
1:2,000	AC	AR	NG

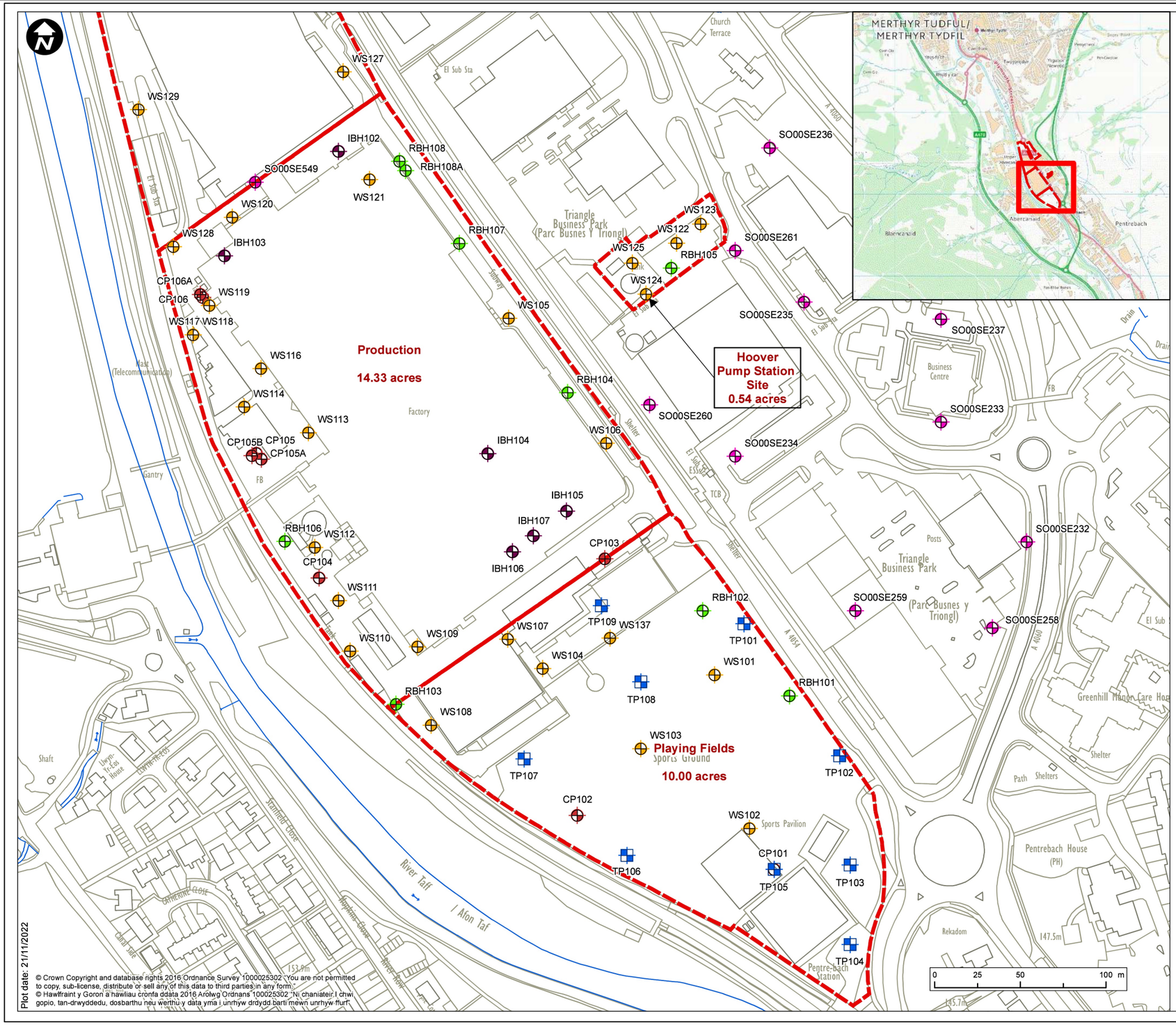
Project No: GC004005
Date: 21/11/2022

Drawing Identifier
Project Code-Origin-Asset-Location-Type-Role-File Number: GC4005-RED-75-XX-DR-C-0007
Revision: P02

REDSTART
St David's House, Pascal Close, St Mellons, Cardiff, CF3 0LW
www.redstartesates.com

Figure 2A: Site Plan (North)

Project: Former Hoover Candy Site, Merthyr Tydfil	Job No.: 14275	Intégral Géotechnique
Client: Walters Land Limited	Scale: NTS	Integral House, 7 Beddau Way, Castlegate Business Park, Caerphilly, CF83 2AX. Tel: 029 2080 7991



Rev	Drwn	Chk'd	App'd	Description	Date
P05					
P04					
P03					
P02	AC	AR	NG	FOR ISSUE	21/11/2022
P01	AC	LM	NG	FOR ISSUE	10/10/2022

Purpose of Issue
S2 - For Information

Classification
Commercial in Confidence

Client
Merthyr Tydfil CBC

Project
Hoover Candy Factory

Drawing
Exploratory Hole Location Plan

Page 2 of 2 Plan

Scale @ A3	Drawn	Checked	Approved
1:2,000	AC	AR	NG

Project No: GC004005
Date: 21/11/2022

Drawing Identifier
Project Code-Origin-Asset-Location-Type-Role-File Number: GC4005-RED-75-XX-DR-C-0007
Revision: P02

Figure 2B: Site Plan (South)

Project: Former Hoover Candy Site, Merthyr Tydfil	Job No.: 14275	Intégral Géotechnique
Client: Walters Land Limited	Scale: NTS	Integral House, 7 Beddau Way, Castlegate Business Park, Caerphilly, CF83 2AX. Tel: 029 2080 7991