Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH110

Dates : 27/6/22 - 28/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.22 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305757.35 E 204474.84 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20										Mudstone and Siltstone Bands - Drillers Description				
21									21.20 (1.80)	Coal - Drillers Description		136.02		
22									23.00 (4.30)	Mudstone and Siltstone Bands - Drillers Description		134.22		
23									27.30 (0.70)	Coal - Drillers Description		129.92		
24									28.00 (2.00)	Mudstone - Drillers Description		129.22		
25									30.00	Terminated at 30.0mbgl		127.22		
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
27/06/2022 17:00	30.00	10.00	14.10
28/06/2022 08:00	30.00	10.00	14.10

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
23.00	14.10	Fast groundwater inflow.	

Flush

Depth	Type	Returns

Plant: Commachio 600

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

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
QGL	P Darby	2 Of 2	20	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH111

Dates : 30/6/22 - 1/7/22

Location :

Job Number : Q0838

Engineer : Redstart

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

Coordinates: 305654.79 E, 204446.02 N *Co-ordinates to National Grid*

Run Details				Fractures		Samples		Strata					
m B.G.L.	Core Run	TCR %	SCR %	RQD %	Min Avg Max	FI	Depth	Type No. Blows	Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							0.20	ES1	(0.30)	TOPSOIL - Brown Silt with rootlets		156.98		
							0.50	ES2	0.30	MADE GROUD - Pinkish brown very sandy Gravel.				
1							1.00	ES3	(0.90)	Gravel is fine to coarse angular slag and brick		156.08		
									1.20	Colliery Spoil - Drillers Description				
2														
3									(3.30)					
4														
									4.50	Very Soft / Void. (No arisings)		152.78		
5														
6									(2.50)					
7									7.00	Dense Gravel and Boulders - Drillers Description		150.28		
8													1	
									(3.00)				2	
9							8.94	ESEW1						
10									10.00	Wet Sand and Gravel - Drillers Description		147.28		
11														
12														
13														
14														
15														
16														
17									(14.00)					
18														
19														
20														
21														
22													2	
23														
24									24.00	Siltstone Boulders - Drillers Description		133.28		

Hole Progress / Water Obs				Casing		Groundwater				Flush		
Date / Time	H. Depth	C. Depth	Water	Depth	Diam.	Struck	Rose To	Behaviour	Sealed	Depth	Type	Returns
30/06/2022 08:00	0.00					10.00	8.20	Medium groundwater inflow at 10.0mbgl		0.00 - 4.50	Mist	100
01/07/2022 08:00	20.50	20.50				22.00	9.20	Fast groundwater inflow.		4.50 - 7.00	Mist	0
										7.00 - 39.10	Mist	100

Plant: Commachio 600

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

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
QGL	P Darby	1 Of 2	25	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH111

Dates : 30/6/22 - 1/7/22

Location :

Job Number : Q0838

Engineer : Redstart

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

Coordinates: 305654.79 E, 204446.02 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
25									(2.10)	Siltstone Boulders - Drillers Description				
26									26.10	Siltstone and Mudstone Bands - Drillers Description		131.18		
27									(2.00)					
28									28.10	Coal - Drillers Description		129.18		
29									(1.30)					
30									29.40	Siltstone and Mudstone Bands - Drillers Description		127.88		
31														
32														
33														
34									(9.70)					
35														
36														
37														
38														
39									39.10	Void - Drillers Description		118.18		
40														
41									(3.80)					
42														
43									42.90	Hard Drill. No Flush Returns - Drillers Description		114.38		
44									(1.10)					
45									44.00	Terminated at 44.0mbgl		113.28		
46														
47														
48														
49														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
30/06/2022 17:00	25.50	20.50	
01/07/2022 17:00	44.00	26.50	

Casing

Depth	Diam.
26.50	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns
39.10 - 44.00	Mist	0

Plant: Commachio 600

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

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	2 Of 2	25	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 CP

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305660.77 E, 204594.79 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No. Blows	Insitu Test Results Depth	Insitu Test Results Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	Water
0	0.10 - 0.55	B1				Scrub over dense black to dark grey slightly clayey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of brick, glass and slag. (MADE GROUND)			
	0.20	ES1				at 0.2mbgl PID = 0ppm			
	0.50	ES2				at 0.5mbgl PID = 0ppm			
	0.60 - 1.05	B2							
1	1.00	ES3				at 1.0mbgl PID = 0ppm			
	1.20 - 1.65	B	1.20	SPT (C) 18 (3-4-3-5-5-5)	(2.70)			(2.70)	
		B3							
2									
	2.50	ES4				at 2.5mbgl PID = 0ppm			
	2.70 - 3.15	B4	2.70	SPT (C) 8 (2-2-2-2-2-2)	2.70	Loose black silty gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of brick, coal and slag. (MADE GROUND)		160.50	
3					(1.20)			(1.20)	
	3.90 - 4.15	B5							
4	4.00	ES			3.90	Loose black gravelly fine to coarse SAND. Gravel is angular to subangular of fine coal. (MADE GROUND - COAL DUST)		159.30	
	4.20 - 4.65	ES5	4.20	SPT (C) 7 (2-1-2-2-1-2)		at 4.0mbgl PID = 0ppm			
		B6			(1.50)			(1.50)	
5									
	5.30 - 5.65	B7							
	5.50	ES6			5.40	Dense grey to dark grey clayey sandy angular to subangular fine to coarse GRAVEL of mudstone. (MADE GROUND - COLLIERY SPOIL)		157.80	
	5.70 - 6.15	B	5.70	SPT (C) 7 (3-3-2-2-1-2)		at 5.5mbgl PID = 0ppm			
6		B8							
7	7.00	ES7				at 7.0mbgl PID = 0ppm			
	7.20 - 7.65	B9	7.20	SPT (C) 16 (4-4-5-3-3-5)	(4.50)			(4.50)	
8									
	8.50	ES8				at 8.5mbgl PID = 0ppm			
	8.70 - 9.15	B10	8.70	SPT (C) 17 (5-4-4-4-5-4)					
9									
	9.90 - 10.15	B							

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
27/06/2022 08:00	0.00		

Casing

Depth	Cas. Dia.

Groundwater

Struck	Rose To	Behaviour	Sealed

Chiselling

From	To	Hours
1.70	1.90	0:30

Equipment / plant used: Dando 2000

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Rotary follow on from 13.00m.
3.) No Groundwater Encountered

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Operator:	Logged By.	Sheet No.	m Per Page	
NF & MW	T.Goodrick	1 Of 2	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 CP

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305660.77 E, 204594.79 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No. Blows	Insitu Test Results Depth	Insitu Test Results Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	Water
10	10.00	B11			9.90	Soft greyish brown slightly sandy silty CLAY. (ALLUVIUM) at 10.0mbgl PID = 0ppm		153.30	
	10.20 - 10.65	ES9 SPT1 B12	10.20	SPT (S) 18 (1-**1-2-2-6-8**)	(1.40)			(1.40)	
11					11.30	Very dense greyish brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies with a medium cobble content of subrounded sandstone. (RIVER TERRACE DEPOSITS)		151.90	
	11.70 - 12.15	B13	11.70	SPT (C) 48 (6-16-**9-11-11-17**)	(1.70)			(1.70)	
12									
13					13.00	Terminated at 13.0mbgl upon refusal		150.20	
14									
	14.50 - 14.60	C							
15									
16									
17									
18									
19									

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
27/06/2022 17:00	11.70	9.20	
28/06/2022 08:00	11.70	9.20	10.80
28/06/2022 17:00	13.00	12.40	10.70

Casing

Depth	Cas. Dia.
12.40	200.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Chiselling

From	To	Hours
11.30	11.50	0:30
12.80	13.00	1:00

Equipment / plant used: Dando 2000

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Rotary follow on from 13.00m.
3.) No Groundwater Encountered

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Operator:	Logged By.	Sheet No.	m Per Page	
NF & MW	T.Goodrick	2 Of 2	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22
Location :

Job Number : Q0838
Engineer : Redstart

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

Coordinates: 305660.77 E
204594.79 N
Co-ordinates to National Grid

Orientation & Inclination:
Orientation: N/A
Inclination: N/A

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fracture Details: Min	Avg	Max	FI	Samples: Depth	Type No. Blows	Insitu Tests: Depth	Test Results
0									0.10 - 0.55	B1		
									0.20	ES1		
									0.50	ES2		
									0.60 - 1.05	B2		
1									1.00	ES3		
									1.20 - 1.65	B3	1.2	SPT (C) 18 (3-4-3-5-5-5)
2												
									2.50	ES4		
3									2.70 - 3.15	B4	2.7	SPT (C) 8 (2-2-2-2-2-2)
4									3.90 - 4.15	B5		
									4.00	ES5	4.2	SPT (C) 7 (2-1-2-2-1-2)
									4.20 - 4.65	B6		
5												
									5.30 - 5.65	B7		
									5.50	ES6	5.7	SPT (C) 7 (3-3-2-2-1-2)
6									5.70 - 6.15	B8		
7									7.00	ES7		
									7.20 - 7.65	B9	7.2	SPT (C) 16 (4-4-5-3-3-5)
8												
									8.50	ES8		
9									8.70 - 9.15	B10	8.7	SPT (C) 17 (5-4-4-4-5-4)
10									9.90 - 10.15	B11		
									10.00	ES9	10.2	SPT (S) 18 (1-1-2-2-6-8)
									10.20 - 10.65	SPT1 B12		
11												
									11.70 - 12.15	B13	11.7	SPT (C) 48 (6-16-9-11-11-17)
12												
13												
	14.50 - 16.00	93	70	36	10	70	160	14	14.50 - 14.60	C C1		
14												

Strata

Depth (Thickness)	Description	Legend	Red. Level A.O.D.
	Progressed using Cable Percussive Drilling Techniques		
(13.00)			
13.00	Sand and Gravel (Drillers Description)		150.20
(0.90)			
13.90	Siltstone / Mudstone		149.30
(0.60)			
14.50	Weak to medium strong grey MUDSTONE with one discontinuity set. (SOUTH WALES MIDDLE COAL MEASURES)		148.70

Discontinuities

Depth (Thickness)	Dip	Direction	Fracture Set	Discontinuity Description
14.50				Sub-horizontal to 5 degree extremely closely to closely spaced, smooth planar, partly open to open clean, locally highly weathered the

Water

Install/ Backfill

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
27/06/2022 08:00	0.00		
27/06/2022 17:00	11.70	9.20	
28/06/2022 08:00	11.70	9.20	10.80

Casing

Depth	Diam.
12.40	200.00
14.50	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns	Colour
13.00 - 45.00	Mist	100	

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 13.0 Cable Percussive, 13.0 - 14.5mbgl ODEX / Rotary Open Hole, 14.5 - 23.5mbgl Rotary Cored, 23.5 - 45.0mbgl Rotary Open Hole

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Operator:	Logged By.	Logged Date:	Equipment Used:
QGL	P Darby		Rig: Commachio 600.

Sheet No. 1 Of 4

m Per Page 15

All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305660.77 E, 204594.79 N *Co-ordinates to National Grid*

Orientation & Inclination: Orientation: N/A Inclination: N/A

m B.G.L.	Core Run	TCR %	SCR %	RQD %	Fracture Details Min	Avg	Max	FI	Samples Depth	Type No. Blows	Insitu Tests Depth	Test Results
15		93	70	36	10	70	160	14				
16	16.00 - 17.50							NI	16.18	C		
		100	66	30	40	94	180	13	16.18 - 16.36	C2		
17									16.41	EW2		
	17.50 - 19.00								17.50	C		
		90	65	36	30	112	200	11	17.50 - 17.70	C3		
18												
									18.70	EW1		
19	19.00 - 20.50											
		100	56	20	20	75	180	19	19.80	C		
20									19.80 - 19.94	C4		
	20.50 - 22.00								20.50	C		
					10	75	100	3	20.50 - 20.60	C5		
21		100	62	21				NI				
					60	117	190	5	21.40	C		
22	22.00 - 23.50								21.40 - 21.70	C6		
		100	87	73	20	167	300	8	22.60	C		
23									22.60 - 23.22	C7		
	23.50 - 24.50											
24		90	90	73	20	225	620	3				
	24.5											
25												
26												
27												
28												
29												

Strata

Depth (Thickness)	Description	Legend	Red. Level A.O.D.
(4.60)	..... between 16.0 and 16.18mbgl non-intact recovered as medium to coarse angular Gravel		
19.10 (0.45)	Weak black COAL. (SOUTH WALES MIDDLE COAL MEASURES)		144.10
19.55 (0.95)	Weak to medium strong grey MUDSTONE with one discontinuity set. (SOUTH WALES MIDDLE COAL MEASURES)		143.65
20.50 (1.00)	Weak black COAL. (SOUTH WALES MIDDLE COA MEASURES) ..... between 20.8 and 21.3mbgl completely to highly weathered to clayey fine to coarse angular Gravel		142.70
21.50 (2.00)	Medium strong light grey SILTSTONE with one discontinuity set (SOUTH WALES MIDDLE COAL MEASURES)		141.70
23.50 (5.80)	Mudstone / Siltstone (Drillers Description)		139.70
29.30	Coal (Drillers Description)		133.90

Discontinuities

Depth (Thickness)	Dip	Direction	Fracture Set	Discontinuity Description
				fine to medium angular gravel..
				Between 16.9 and 17.4mbgl sub-vertical discontinuity smooth planar, tight to open, locally with gravelly clay infill..
7.00				Below 17.5mbgl sub-horizontal discontinuities close to medium spaced between 17.5 and 18.6mbgl sub-vertical discontinuity set extrmely closely spaced, smooth planar, partly open, clean.
				Between 19.1 and 19.55mbgl sub-horizontal discontinities extremely closely spaced, smooth to rough, planar to undulating, partly open to open, locally highly weathered to fine to medium angular gravel.
				At 20.2mbgl 45 degree discontinuity rough planar, partly open, clean.
21.50				Sub-horizontal to 20 degree discontinuity set close to medium spaced, smooth planar, partly open, clean. At 21.7mbgl highly weathered to slightly clayey fine angular gravel up to 10mm penetration. At 21.9mbgl striated. Between 22.0 and 22.33mbgl 30 degree discontinuity set extremely closely spaced, smooth planar and rough undulating, tight to open locally with fine angular gravel infill..
2.00				

Water: ▼1

Install/ Backfill

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
28/06/2022 17:00	17.50	14.50	
29/06/2022 08:00	17.50	14.50	

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns	Colour

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 13.0 Cable Percussive, 13.0 - 14.5mbgl ODEX / Rotary Open Hole, 14.5 - 23.5mbgl Rotary Cored, 23.5 - 45.0mbgl Rotary Open Hole

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Swansea
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Operator: QGL

Logged By: P Darby

Logged Date:

Equipment Used: Rig: Commachio 600.

All measurements in metres unless otherwise stated

AGS

Form Name: ROTARY A3. Version 2.11.000, 22/05/15 Output By: Phil Darby. Library File: C:\USERS\PHIL DARBY\ONEDRIVE - QUANTUM GEOTECHNIC LTD\QUANTUM 4.GLB.

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305660.77 E, 204594.79 N *Co-ordinates to National Grid*

Orientation & Inclination: Orientation: N/A Inclination: N/A

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fracture Details: Min	Avg	Max	FI	Samples: Depth	Type No. Blows	Insitu Tests: Depth	Test Results	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Discontinuities: Depth (Thick-ness)	Dip	Direction	Fracture Set	Discontinuity Description	Water	Install/ Backfill
30													(1.80)										
31													31.10	Mudstone / Siltstone		132.10							
32																							
33																							
34																							
35																							
36																							
37																							
38													(13.90)										
39																							
40																							
41																							
42																							
43																							
44																							

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
29/06/2022 11:00	45.00	14.50	25.90

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
37.00	25.90	Medium groundwater inflow below 37.0mbgl	

Flush

Depth	Type	Returns	Colour

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 13.0 Cable Percussive, 13.0 - 14.5mbgl ODEX / Rotary Open Hole, 14.5 - 23.5mbgl Rotary Cored, 23.5 - 45.0mbgl Rotary Open Hole

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

Operator: QGL

Logged By: P Darby

Logged Date:

Equipment Used: Rig: Commachio 600.

All measurements in metres unless otherwise stated

AGS

Form Name: ROTARY A3. Version 2.11.000, 22/05/15 Output By: Phil Darby. Library File: C:\USERS\PHIL DARBY\ONEDRIVE - QUANTUM GEOTECHNIC LTD\QUANTUM 4.GLB.

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22 Location :	Job Number : Q0838 Engineer : Redstart	Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*	Coordinates: 305660.77 E 204594.79 N *Co-ordinates to National Grid*	Orientation & Inclination: Orientation: N/A Inclination: N/A

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fracture Details: Min	Avg	Max	FI	Samples: Depth	Type No. Blows	Insitu Tests: Depth	Test Results	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Discontinuities: Depth (Thick-ness)	Dip	Direction	Fracture Set	Discontinuity Description	Water	Install/ Backfill
45													45.00	Terminated at 45.0mbgl		118.20							
46																							
47																							
48																							
49																							
50																							
51																							
52																							
53																							
54																							
55																							
56																							
57																							
58																							
59																							

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns	Colour

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 13.0 Cable Percussive, 13.0 - 14.5mbgl ODEX / Rotary Open Hole, 14.5 - 23.5mbgl Rotary Cored, 23.5 - 45.0mbgl Rotary Open Hole

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Operator:	Logged By.	Logged Date:	Equipment Used:
QGL	P Darby		Rig: Commachio 600.

Sheet No. 4 Of 4 | m Per Page 15 | All measurements in metres unless otherwise stated | AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D.
Level to Ordnance Datum

Coordinates: 305660.77 E
204594.79 N
Co-ordinates to National Grid





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

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH112 R

Dates : 27/6/22 - 29/6/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 163.20 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305660.77 E 204594.79 N *Co-ordinates to National Grid*





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

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH113A CP

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.10 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305533.01 E 204519.79 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No. Blows	Insitu Test Results Depth	Insitu Test Results Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	Water
0					(0.10)	Asphalt		(0.10)	
	0.20 - 0.30	B1			0.10	MADE GROUND - Reddish brown sandy GRAVEL. Gravel is fine to coarse angular brick and slag.		157.00	
	0.50 - 0.60	B2			(0.30)			(0.30)	
					0.40	MADE GROUND - Black silty slighty sandy GRAVEL. Gravel is fine to coarse angular coal, clinker and mudstone.		156.70	
1	1.00 - 1.20	B B3			(1.10)			(1.10)	
	1.50 - 2.00	B4	1.50	SPT (S) 6 (1-1-1-2-2-1)	1.50	MADE GROUND - Grey very clayey GRAVEL. Gravel is fine to coarse angular mudstone. (COLLIERY SPOIL)		155.60	
2									
	2.50 - 3.00	B B5			(2.50)			(2.50)	
3	3.00 - 3.50	B6	3.00	SPT (S) 6 (2-2-2-1-1-2)					
4	4.00 - 4.50	B7			4.00	MADE GROUND - Dark grey slighty silty sandy GRAVEL with medium cobble content. Gravel is fine to coarse angular slag, sandstone and mudstone. Cobbles are sub-angular slag.		153.10	
	4.50 - 5.00	B8	4.50	SPT (S) 18 (5-5-6-4-4-4)	(1.50)			(1.50)	
5									
	5.50 - 6.00	B B9			5.50	Soft brown gravelly CLAY. Gravel is fine to coarse sub-rounded angular sandstone.		151.60	
6			6.00	SPT (S) 65 (2-2-3-5-17-40)	(1.00)			(1.00)	
					6.50	Terminated upon refusal at 6.5mbgl		150.60	
7									
8									
9									

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Cas. Dia.
6.50	200.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Chiselling

From	To	Hours

Equipment / plant used: Pilcon 150

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	
Wessex Drilling	P Darby	1 Of 1	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH113A R

Dates : 1/7/22 - 5/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.10 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305533.01 E 204519.79 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0									(6.50)	Progressed using Cable Percussive Drilling Techniques				
6.50									(1.80)	Gravel and Boulders - Drillers Description		150.60		
8.30									(17.90)	Sand and Gravel - Drillers Description		148.80		

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
01/07/2022 08:00	0.00		
01/07/2022 17:00	6.50	6.00	
04/07/2022 08:00	6.00		

Casing

Depth	Diam.
6.00	200.00

Groundwater

Struck	Rose To	Behaviour	Sealed
9.00	7.30	Medium groundwater inflow at 9.0mbgl	
25.00	7.90	Medium groundwater inflow at 25.0mbgl	

Flush

Depth	Type	Returns
0.00 - 47.00	Mist	100

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 6.5 Cable Percussive, 6.5 - 47.0mbgl ODEX / Rotary Open Hole

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	1 Of 2	25	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH113A R

Dates : 1/7/22 - 5/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 157.10 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305533.01 E 204519.79 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
25										Sand and Gravel - Drillers Description				
26									26.20 (1.60)	Siltstone Boulders - Drillers Description		130.90		
27									27.80 (2.30)	Mudstone - Drillers Description		129.30		
28									30.10 (1.10)	Coal - Drillers Description		127.00		
29									31.20 (0.80)	Mudstone - Drillers Description		125.90		
30									32.00 (1.00)	Coal - Drillers Description		125.10		
31									33.00 (0.40)	Mudstone - Drillers Description		124.10		
32									33.40 (0.70)	Coal - Drillers Description		123.70		
33									34.10 (0.30)	Mudstone - Drillers Description		123.00		
34									34.40 (1.50)	Coal - Drillers Description		122.70		
35									35.90 (8.70)	Mudstone - Drillers Description		121.20		
36									44.60 (0.40)	Coal - Drillers Description		112.50		
37									45.00 (2.00)	Mudstone - Drillers Description		112.10		
38									47.00	Terminated at 47.0mbgl		110.10		
39														
40														
41														
42														
43														
44														
45														
46														
47														
48														
49														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
04/07/2022 16:00	47.00	28.00	7.90
05/07/2022 08:00	47.00	28.00	8.00

Casing

Depth	Diam.
28.00	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 6.5 Cable Percussive, 6.5 - 47.0mbgl ODEX / Rotary Open Hole

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	2 Of 2	25	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH114 CP

Dates : 5/7/22 - 6/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 161.28 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305559.13 E, 204604.39 N *Co-ordinates to National Grid*

m B.G.L.	Samples Depth	Samples Type No. Blows	Insitu Test Results Depth	Insitu Test Results Test Results	Strata Depth (Thickness)	Strata Description	Strata Legend	Strata Red. Level A.O.D.	Water
0	0.20 - 0.50	B1			(0.20)	Scrub over loose black sandy SILT with rootlets. (TOPSOIL)		(0.20)	
	0.20	ES1			0.20	Dense grey to dark grey sandy angular to subangular fine to coarse GRAVEL of mudstone. (COLLIERY SPOIL)		161.08	
	0.50 - 1.00	B2			(0.40)			(0.40)	
	0.50	ES2			0.60	Dense to medium dense grey to dark grey sandy GRAVEL of mudstone and brick. (COLLIERY SPOIL)		160.68	
1	1.00 - 1.20	B							
	1.00	B3							
		ES3							
	1.50	SPT1	1.50	SPT (S) 11 (7-6-**4-3-2-2**)					
2	2.00 - 2.50	B4							
	2.00	ES4							
	2.50 - 3.00	B							
		B5			(4.10)			(4.10)	
3	3.00	SPT2	3.00	SPT (S) 5 (2-**1-1-1-2-1**)					
		ES5							
4	4.00	ES6							
	4.50	SPT3	4.50	SPT (S) 7 (1-**1-1-2-2-2**)					
	4.50 - 5.00	B6			4.70	Dense grey to dark grey sandy angular to subangular fine to coarse GRAVEL of mudstone. (COLLIERY SPOIL)		156.58	
5	5.00	ES7							
	5.50 - 6.00	B7							
6	6.00	SPT4	6.00	SPT (S) 8 (2-2-**2-2-2-2**)					
	6.00 - 6.50	B8			(2.80)			(2.80)	
	6.00	ES8							
7	7.00 - 7.50	B9							
	7.00	ES9							
	7.50	SPT5	7.50	SPT (S) 50/70mm (8-**50/70mm—**)	7.50	Very dense black sandy subangular to subrounded fine to coarse GRAVEL of sandstone with a medium cobble content of subrounded sandstone. (RIVER TERRACE DEPOSITS)		153.78	
8	8.00 - 8.50	B			(1.30)			(1.30)	
	8.00	B10							
		ES10							
			8.50	SPT (C) 50/70mm (8-9-**50/70mm—**)					
			8.80	SPT (C) 50/40mm (20-**50/40mm—**)	8.80			152.48	
9									

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
05/07/2022 08:00	0.00		
05/07/2022 17:00	4.50	3.00	
06/07/2022 08:00	4.50	3.00	
06/07/2022 17:00	8.80	7.50	

Casing

Depth	Cas. Dia.
7.50	200.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Chiselling

From	To	Hours
8.50	8.80	1:25

Equipment / plant used: Pilcon 1500

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m.
2.) No Groundwater Encountered

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Operator:	Logged By.	Sheet No.	m Per Page	
JW & AB	T.Goodrick	1 Of 1	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH114 R

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 161.28 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305559.13 E 204604.39 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Insitu Tests: Depth	Test Results	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							1.5	SPT (S) 11 (7-6-4-3-2-2)	0.20 - 0.50	B1		Progressed using Cable Percussive Drilling Techniques				
1									0.20	ES1						
2									0.50 - 1.00	B2						
3							3	SPT (S) 5 (2-1-1-1-2-1)	0.50	ES2						
4									1.00 - 1.20	B3						
5							4.5	SPT (S) 7 (1-1-1-2-2-2)	1.00	ES3						
6									1.50	SPT1						
7							6	SPT (S) 8 (2-2-2-2-2-2)	2.00 - 2.50	B4						
8									2.00	ES4						
9							7.5	SPT (S) 50/70mm (8-50/70mm—) SPT (C) 50/70mm (8-9-50/70mm—) SPT (C) 50/40mm (20-50/40mm—)	2.50 - 3.00	B5						
10									3.00	SPT2						
11							8.5		4.00	ES5						
12							8.8			ES6						
13									4.50	SPT3	(9.30)					
14									4.50 - 5.00	B6						
15									5.00	ES7						
16									5.50 - 6.00	B7						
17									6.00	SPT4						
18									6.00 - 6.50	B8						
19									6.00	ES8						
20									7.00 - 7.50	B9						
21									7.00	ES9						
22									7.50	SPT5						
23									8.00 - 8.50	B10						
24									8.00	ES10						
											9.30	Gravel and Boulders - Drillers Description		151.98		
											(3.70)					
											13.00	Sand and Gravels - Drillers Description		148.28		
											(9.80)					
											22.80	Mudstone and SIltstone - Drillers Description		138.48		

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
05/07/2022 08:00	0.00		
05/07/2022 17:00	4.50	3.00	
06/07/2022 08:00	4.50	3.00	
06/07/2022 17:00	8.80	7.50	

Casing

Depth	Diam.
7.50	200.00
23.50	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed
13.00	11.80	Medium groundwater infow at 13.0mbgl	

Flush

Depth	Type	Returns
0.00 - 39.00	Mist	100

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 8.8mbgl Cable Percussive Drilling, 8.8 - 39.0mbgl ODEX / Open Hole Drilling

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	1 Of 2	25	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. RBH114 R

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 161.28 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305559.13 E, 204604.39 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Insitu Tests: Depth	Test Results	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
25												Mudstone and SIltstone - Drillers Description				
26																
27											(8.40)					
28																
29																
30																
31																
32											31.20 (1.70)	Coal - Drillers Description		130.08		
33											32.90	Mudstone - Drillers Description		128.38		
34																
35											(3.10)					
36											36.00	Siltstone - Drillers Description		125.28		
37																
38											(3.00)					
39											39.00	Terminated at 39.0mbgl		122.28		
40																
41																
42																
43																
44																
45																
46																
47																
48																
49																

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
30.00	13.60	Fast groundwater inflow at 30.0mbgl	

Flush

Depth	Type	Returns

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. GL - 8.8mbgl Cable Percussive Drilling, 8.8 - 39.0mbgl ODEX / Open Hole Drilling

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	2 Of 2	25	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH102

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.61 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305698.56 E, 204297.88 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Depth (Thick-ness)	Strata: Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							0.30 0.50	ES1 ES2	(0.20) 0.20	Concrete Colliery Spoil - Drillers Description		151.41		
1							1.00 1.20 - 2.70	ES3 ES4	(2.90)	at 0.3mbgl PID = 0ppm at 0.5mbgl PID = 0ppm at 1.0mbgl PID = 0ppm at 1.2mbgl PID = 0ppm				
2														
3							2.70 - 4.20	ES5		at 2.7mbgl PID = 0ppm				
4									3.10	Gravel and Boulders - Drillers Description		148.51	1	
5							4.20 - 5.70	ES6	(2.00)	at 4.2mbgl PID = 0ppm			1	
6							5.70 - 7.20	ES7	5.10	Sand and Gravel - Drillers Description at 5.7mbgl PID = 0ppm		146.51		
7							7.20 - 8.70	ES21		at 7.2mbgl PID = 0ppm				
8														
9							8.70 - 10.20	ES22		at 8.7mbgl PID = 0ppm			2	
10							10.20 - 11.70	ES8		at 10.2mbgl PID = 0ppm				
11														
12							11.70 - 13.20	ES9		at 11.7mbgl PID = 0ppm				
13							13.20 - 14.70	ES10		at 13.2mbgl PID = 0ppm			2	
14														
15							14.70 - 16.20	ES11	(21.00)					
16							16.20 - 17.70	ES12		at 14.7mbgl PID = 0ppm				
17														
18							17.70 - 19.20	ES13		at 17.7mbgl PID = 0ppm				
19														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
5.00	3.90	Medium groundwater inflow at 5.0mbgl	
14.00	8.60	Fast groundwater inflow at 14.0mbgl	

Flush

Depth	Type	Returns
0.00 - 30.00	Mist	100

Plant: Commachio 600

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

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	1 Of 2	20	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH102

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.61 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305698.56 E, 204297.88 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20										Sand and Gravel - Drillers Description				
21														
22														
23														
24														
25														
26									26.10 (1.30)	Mudstone - Drillers Description		125.51		
27									27.40 (1.20)	Coal - Drillers Description		124.21		
28									28.60 (1.40)	Mudstone - Drillers Description		123.01		
29									30.00	Terminated at 30.0mbgl		121.61		
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.
27.00	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns

Plant: Commachio 600

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

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
QGL	P Darby	2 Of 2	20	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH103

Dates : 14/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.73 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305632.05 E 204236.96 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							0.30 - 0.60 0.30 0.50	B B1 ES1 ES2	(0.28)	Concrete.				
									0.28	Dense dark grey sandy angular coarse GRAVEL of mudstone. (MADE GROUND - COLLIERY SPOIL)		151.45		
1							1.00	ES3		at 0.3mbgl PID = 0ppm at 0.5mbgl PID = 0ppm at 1.0mbgl PID = 0ppm				
2									(3.72)					
							2.50	ES4		at 2.5mbgl PID = 0ppm				
3														
4							4.00	ES5	4.00	at 4.0mbgl PID = 0ppm		147.73		
									(0.50)	Dense brown clayey SILT. (ALLUVIUM)				
									4.50	Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies with a medium cobble content. (RIVER TERRACE DEPOSITS)		147.23		
5							4.78	EW1						
							5.50	ES6		at 5.5mbgl PID = 0ppm				
6														
7							7.00	ES7		at 7.0mbgl PID = 0ppm				
8													1	
							8.50	ES8		at 8.5mbgl PID = 0ppm				
9														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
8.00			

Flush

Depth	Type	Returns
0.00 - 28.50	Mist	100

Plant: Commachio 450

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.00m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	G Blades	1 Of 3	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH103

Dates : 14/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.73 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305632.05 E, 204236.96 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Depth (Thick-ness)	Strata: Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
10							10.00	ES9		Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies with a medium cobble content. (RIVER TERRACE DEPOSITS) at 10.0mbgl PID = 0ppm				
11							11.50	ES10		at 11.0mbgl PID = 0ppm				
12														
13							13.00	ES11		at 13.0mbgl PID = 0ppm				
14							14.50	ES12		at 14.5mbgl PID = 0ppm				
15									(20.70)					
16							16.00	ES13		at 16.0mbgl PID = 0ppm				
17													2	
18							17.50	ES14		at 17.5mbgl PID = 0ppm				
19							19.00	ES15		at 19.0mbgl PID = 0ppm				

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
17.00			

Flush

Depth	Type	Returns

Plant: Commachio 450

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.00m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	G Blades	2 Of 3	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH103

Dates : 14/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.73 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305632.05 E, 204236.96 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20										Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies with a medium cobble content. (RIVER TERRACE DEPOSITS)				
							20.50	ES16		at 20.5mbgl PID = 0ppm				
21														
22							22.00	ES17		at 22.0mbgl PID = 0ppm				
23														
							23.50	ES18		at 23.5mbgl PID = 0ppm				
24													3	
25							25.00	ES19		at 25.0mbgl PID = 0ppm				
									25.20	Strong grey SILTSTONE. (MIDDLE COAL MEASURES FORMATION)		126.53		
26														
27									(3.30)					
28														
									28.50	Terminated at 28.5mbgl		123.23		
29														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.
26.70	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed
24.00			

Flush

Depth	Type	Returns

Plant: Commachio 450

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.00m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	G Blades	3 Of 3	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH103

Dates : 14/7/22 - 15/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.73 m A.O.D.
Level to Ordnance Datum

Coordinates: 305632.05 E
204236.96 N
Co-ordinates to National Grid



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

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH104

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.78 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305785.69 E, 204121.64 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Insitu Tests: Depth	Test Results	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0									0.20 - 0.70	B1	(0.20)	Concrete.		151.58		
									0.30	ES1	0.20	Dense dark brown to black and red sandy angular to subangular fine to coarse GRAVEL of brick, slag and clinker. (MADE GROUND) PID = 0ppm				
									0.50	ES	(0.50)					
									0.70 - 2.70	ES2	0.70			151.08		
										B		PID = 0ppm				
1									1.00	B2						
							1.2	SPT (C) 29 (3-5-6-7-7-9)		ES						
										ES3						
2												Medium dense black gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse of slag. (MADE GROUND) PID = 0ppm PID = 0ppm				
									2.50	ES4	(3.30)					
3							2.7	SPT (C) 23 (6-6-5-7-3-8)								
4									4.00	ES5	4.00	PID = 0ppm		147.78		
							4.2	SPT (C) 50/80mm (10-15-41-9/5mm–)			(1.00)	Dense brown clayey SILT. (ALLUVIUM)				
5											5.00	Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies. (RIVER TERRACE DEPOSITS) PID = 0ppm		146.78		
									5.50	ES6						
6							5.7	SPT (C) 50/20mm (25/30mm-50/20mm–)								
									6.50	EW						
7									7.00	ES7		PID = 0ppm				
							7.2	SPT (C) 50/140mm (2-7-32-18/65mm–)								
8									8.50	ES8		PID = 0ppm				
							8.7	SPT (C) 50/160mm (5-9-16-25-9/10mm-)								
9																

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
13/07/2022 08:00	0.00		

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
7.50			

Flush

Depth	Type	Returns
0.00 - 27.00	Mist	100

Plant: Commachio MC600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
GF & BR	T.Goodrick	1 Of 3	10	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH104

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.78 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305785.69 E 204121.64 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Insitu Tests: Depth	Test Results	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
10							10.2	SPT (C) 40/230mm (10-10-**10-9-15-6/5mm**)	10.00	ES9		Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies. (RIVER TERRACE DEPOSITS) PID = 0ppm				
11							11.7	SPT (C) 50/180mm (7-6-**10-17-23/30mm**-)	11.50	ES10		PID = 0ppm				
12							13.2	SPT (C) 45 (21-4/5mm-**10-11-10-14**)	13.00	ES11		PID = 0ppm				
13							14.7	SPT (C) 50/200mm (8-11-**13-20-17/50mm**-)	14.50	ES12	(19.00)	PID = 0ppm				
14							16.2	SPT (C) 50/160mm (6-12-**19-21-10/10mm**-)	16.00	ES13		PID = 0ppm				
15							17.7	SPT (C) 50/160mm (3-18-**21-19-10/10mm**-)	17.50	ES14		PID = 0ppm				
16							19.2	SPT (C) 50/230mm (10-10-**11-15-17-7/5mm**)	19.00	ES15		PID = 0ppm				
17																
18																
19																

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
13/07/2022 17:00	16.20	16.20	
14/07/2022 08:00	16.20	16.20	

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
15.00			

Flush

Depth	Type	Returns

Plant: Commachio MC600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
GF & BR	T.Goodrick	2 Of 3	10	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH104

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

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.78 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305785.69 E 204121.64 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Insitu Tests: Depth	Test Results	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20												Dense brown sandy subangular to subrounded fine to coarse GRAVEL of mixed lithologies. (RIVER TERRACE DEPOSITS)				
							20.7	SPT (C) 50/235mm (1-12-12-14-17-7/10mm)								
21									21.50	ES16		PID = 0ppm				
22							22.2	SPT (C) 50/230mm (6-19-12-16-15-7/5mm)								
23									23.00	ES17		PID = 0ppm			▼3	
							23.7	SPT (C) 50/210mm (7-7-17-15-18/60mm-)								
24									24.50	ES18	24.00	Strong grey SILTSTONE. (MIDDLE COAL MEASURES FORMATION) PID = 0ppm		127.78		
25											(3.00)					
26																
27											27.00	Terminated at 27.0mbgl		124.78		
28																
29																

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water
14/07/2022 17:00	27.00	25.00	

Casing

Depth	Diam.
25.00	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed
23.00			

Flush

Depth	Type	Returns

Plant: Commachio MC600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Rotary openhole from 5.00m.

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
GF & BR	T.Goodrick	3 Of 3	10	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH105

Dates : 8/7/22 - 9/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305831.49 E, 204088.05 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							0.20 - 0.50	B1	(0.25)	Concrete		151.55		
							0.30	ES1	0.25	MADE GROUND - Purplish brown and purple sandy GRAVEL with medium cobble content. Gravel is fine to coarse sub-angular slag. Cobbles are sub-angular slag.				
1							0.50 - 0.80	B		at 1.2mbgl PID = 0ppm				
							0.50	B2						
							0.80 - 1.00	ES2						
2							1.00 - 4.80	B3						
							1.00	B1						
							1.20 - 1.40	ES3						
								ES4						
3							2.70 - 3.00	ES5	(4.55)	at 2.7mbgl PID = 0ppm				
4														
							4.20 - 4.40	ES6		..... below 4.2mbgl black				
5							4.80 - 5.15	ES7		at 4.25mbgl PID = 0ppm				
									4.80			147.00		
									(0.35)	Soft brown CLAY.				
										at 4.85mbgl PID = 0ppm		146.65		
6									5.15	Sand and Gravel - Drillers Description				
							6.80	EW1						
7							6.89	EW						
							7.20 - 8.70	ES22						
8													1	
9							8.70 - 10.20	ES8		at 8.7mbgl PID = 0ppm				
10							10.20 - 11.70	ES9		at 10.2mbgl PID = 0ppm				
11														
12							11.70 - 13.20	ES10		at 11.7mbgl PID = 0ppm				
13							13.20 - 14.70	ES11		at 13.2mbgl PID = 0ppm				
14													2	
15							14.70 - 16.20	ES12		at 14.7mbgl PID = 0ppm				
16							16.20 - 17.70	ES13		at 16.2mbgl PID = 0ppm				
17									(22.85)					
18							17.70 - 19.20	ES14		at 17.7mbgl PID = 0ppm				
19							19.20 - 20.70	ES15						

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
8.00			
14.00			

Flush

Depth	Type	Returns
0.00 - 32.10	Mist	100

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. Dynamic Samples 1.2 - 5.15mbgl (refusal). ODEX / Rotary openhole from 5.15mbgl

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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated
QGL	P Darby	1 Of 2	20	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH105

Dates : 8/7/22 - 9/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305831.49 E, 204088.05 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20										Sand and Gravel - Drillers Description				
21							20.70 - 22.20	ES16		at 20.7mbgl PID = 0ppm				
22							22.20 - 23.70	ES17		at 22.2mbgl PID = 0ppm				
23														
24							23.70 - 25.20	ES18		at 23.7mbgl PID = 0ppm				
25							25.20 - 26.70	ES19		at 25.2mbgl PID = 0ppm				
26														
27							26.70 - 28.20	ES20		at 26.7mbgl PID = 0ppm				
28									28.00	Sandstone - Drillers Description		123.80		
29									(1.20)					
30									29.20 (0.90)	Coal - Drillers Description		122.60		
31									30.10 (1.10)	Mudstone - Drillers Description		121.70		
32									31.20	Terminated at 31.2mbgl		120.60		
33														
34														
35														
36														
37														
38														
39														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.
28.50	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. Dynamic Samples 1.2 - 5.15mbgl (refusal). ODEX / Rotary openhole from 5.15mbgl

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Operator:	Logged By.	Sheet No.	m Per Page	
QGL	P Darby	2 Of 2	20	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH106

Dates : 12/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305799.99 E, 204064.30 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Depth (Thick-ness)	Strata: Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0									(0.20)	Concrete.				
							0.30	ES1	0.20	Loose black slightly sandy angular to subangular fine to coarse GRAVEL of slag. (MADE GROUND)		151.60		
							0.50	ES2		at 0.3mbgl PID = 0ppm at 0.5mbgl PID = 0ppm				
1							1.00	ES3	(1.75)	at 1.0mbgl PID = 0ppm				
2									1.95	Loose light brown to black sandy angular to subangular fine to coarse GRAVEL of slag. (MADE GROUND)		149.85		
							2.50	ES4	(0.75)	at 2.5mbgl PID = 0ppm				
									2.70	loose reddish brown sandy angular to subangular fine		149.10		
3									(0.40)	to coarse GRAVEL of slag. (MADE GROUND)				
									3.10	Loose light brown to black and reddish brown sandy angular to subangular fine to coarse GRAVEL of slag. (MADE GROUND)		148.70		
4							4.00	ES5		at 4.0mbgl PID = 0ppm				
									(2.40)					
5														
							5.50	ES6	5.50	Soft greyish brown to dark brown sandy SILT. (ALLUVIUM)		146.30		
									(0.20)			146.10		
6									5.70	at 5.5mbgl PID = 0ppm				
									(0.30)	Soft brown sandy gravelly SILT. Gravel is subangular to rounded fine to coarse of mixed lithologies. (ALLUVIUM)		145.80		
									6.00	DENSE GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings.				
							6.86	EW1		at 7.0mbgl PID = 0ppm			▼	
7							6.90	EW						
							6.98	EW2						
							7.00	ES7						
									(3.50)					
8							8.50	ES8		at 8.5mbgl PID = 0ppm				
9														
									9.50	GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings.		142.30		

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
7.00			

Flush

Depth	Type	Returns
0.00 - 33.00	Mist	100

Plant: Commachio MC 600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Refusal at 5.90m,
3.) Rotary openhole follow on.

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Operator:	Logged By.	Sheet No.	m Per Page
GP & BR	T.Goodrick	1 Of 4	10

All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH106

Dates : 12/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305799.99 E, 204064.30 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
10							10.00	ES9		GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings. at 10.0mbgl PID = 0ppm				
11							11.50	ES10		at 11.5mbgl PID = 0ppm				
12														
13							13.00	ES11	(8.00)	at 13.0mbgl PID = 0ppm				
14														
15							14.50	ES12		at 14.5mbgl PID = 0ppm			▼	
16							16.00	ES13		at 16.0mbgl PID = 0ppm				
17														
18							17.50	ES14	17.50 (0.90)	at 17.5mbgl PID = 0ppm SAND & GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings.		134.30		
									18.40	GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings.		133.40		
19							19.00	ES15		at 19.0mbgl PID = 0ppm				

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
15.00			

Flush

Depth	Type	Returns

Plant: Commachio MC 600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Refusal at 5.90m,
3.) Rotary openhole follow on.

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Operator:	Logged By.	Sheet No.	m Per Page	
GP & BR	T.Goodrick	2 Of 4	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH106

Dates : 12/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305799.99 E 204064.30 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20							20.50	ES16		GRAVEL. (RIVER TERRACE DEPOSITS) Logged from openhole chippings. at 20.5mbgl PID = 0ppm				
21														
22							22.00	ES17		at 22.0mbgl PID = 0ppm				
23														
24							23.50	ES18	(11.60)	at 23.5mbgl PID = 0ppm				
25							25.00	ES19		at 25.0mbgl PID = 0ppm				
26														
27														
28														
29													▼3	

Hole Progress / Water Obs: Date / Time	H. Depth	C. Depth	Water	Casing: Depth	Diam.	Groundwater: Struck	Rose To	Behaviour	Sealed	Flush: Depth	Type	Returns
						29.00						

Plant: Commachio MC 600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Refusal at 5.90m,
3.) Rotary openhole follow on.

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GP & BR	T.Goodrick	3 Of 4	10	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH106

Dates : 12/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305799.99 E, 204064.30 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
30									30.00	SILTSTONE. (MIDDLE COAL MEASURES FORMATION)		121.80		
31									(3.00)					
32														
33									33.00	Terminated at 33.0mbgl		118.80		
34														
35														
36														
37														
38														
39														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.
31.50	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed

Flush

Depth	Type	Returns

Plant: Commachio MC 600

Remarks: 1.) PAS survey undertaken prior to breaking ground. Hand pit dug to 1.20m,
2.) Refusal at 5.90m,
3.) Rotary openhole follow on.

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GP & BR	T.Goodrick	4 Of 4	10	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH106

Dates : 12/7/22 - 13/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.80 m A.O.D.
Level to Ordnance Datum

Coordinates: 305799.99 E
204064.30 N
Co-ordinates to National Grid



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

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH107

Dates : 11/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.79 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305812.12 E, 204073.67 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
0							0.30 0.50	ES1 ES2	(0.30)	Concrete at 0.3mbgl PID = 0ppm		151.49		
0.30									0.30	MADE GROUND - Orange and black sandy GRAVEL with low cobble content. Gravel is fine to coarse sub-angular to angular slag and brick. Cobbles are angular slag.				
1							1.00 1.20 - 1.40 1.20 - 4.20 1.20 - 1.40	ES3 B ES B1 ES4						
2									(4.10)	at 0.5mbgl PID = 0ppm at 1.0mbgl PID = 0ppm at 1.2mbgl PID = 0ppm				
3							2.70 - 2.90	ES ES5		at 2.7mbgl PID = 0ppm				
4							4.20 - 4.40	ES ES6		at 4.2mbgl PID = 0ppm				
4.40									4.40			147.39		
5							4.80 - 5.00 4.80 - 6.15 4.80 - 5.00	ES B2 ES7	(0.40)	MADE GROUND - Black GRAVEL with low cobble content. Gravel is fine to coarse angular Slag. Cobbles are angular Slag.		146.99		
4.80									(1.35)	at 4.8mbgl PID = 0ppm				
6							6.15 - 6.20 6.20 - 7.20	ES ES8 ES9	6.15			145.64		
									(0.05)	MADE GROUND - Soft to firm dark greyish brown slightly gravelly CLAY. Gravel is fine to coarse angular to sub-angular mudstone and occasional clinker.		145.59		
7							6.89 6.94 7.20 - 8.70	EW1 EW ES10	6.20	at 6.15mbgl PID = 0ppm				
8									(2.80)	Reddish brown gravelly CLAY. Gravel is fine to coarse rounded sandstone. at 6.2mbgl PID = 0ppm				
9							8.70 - 10.20	ES11	9.00	Dense Gravel - Drillers Description at 7.2mbgl PID = 0ppm at 8.7mbgl PID = 0ppm		142.79		
10							10.20 - 11.70	ES12		Gravel - Drillers Description at 10.2mbgl PID = 0ppm				
11														
12							11.70 - 13.20	ES13		at 11.7mbgl PID = 0ppm				
13							13.20 - 14.70	ES14	(8.20)	at 13.2mbgl PID = 0ppm				
14														
15							14.70 - 16.20	ES15		at 14.7mbgl PID = 0ppm				
16							16.20 - 17.70	ES16		at 16.2mbgl PID = 0ppm				
17														
17.20									17.20	Sand - Drillers Description		134.59		
18							17.70 - 19.20	ES17	(1.30)	at 17.7mbgl PID = 0ppm				
18.50									18.50	Gravel - Drillers Description		133.29		
19							19.20 - 20.70	ES18		at 19.2mbgl PID = 0ppm				

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.

Groundwater

Struck	Rose To	Behaviour	Sealed
7.50 15.00			

Flush

Depth	Type	Returns
0.00 - 32.00	Mist	100

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. Dynamic Samples 1.2 - 6.5mbgl (refusal). ODEX / Rotary openhole from 6.5mbgl

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QGL	P Darby	1 Of 2	20	

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH107

Dates : 11/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.79 m A.O.D. *Level to Ordnance Datum*

Coordinates: 305812.12 E, 204073.67 N *Co-ordinates to National Grid*

m B.G.L.	Run Details: Core Run	TCR %	SCR %	RQD %	Fractures: Min Avg Max	FI	Samples: Depth	Type No. Blows	Strata: Depth (Thick-ness)	Description	Legend	Red. Level A.O.D.	Water	Install/ Backfill
20										Gravel - Drillers Description				
21							20.70 - 22.20	ES19		at 20.7mbgl PID = 0ppm				
22									(6.50)				3	
23							22.20 - 23.70	ES20		at 22.2mbgl PID = 0ppm				
24							23.70 - 25.20	ES21		at 23.7mbgl PID = 0ppm				
25							25.20 - 26.70	ES22	25.00	Sand & Gravel - Drillers Description at 25.2mbgl PID = 0ppm		126.79		
26														
27							26.70 - 28.70	ES23	(3.70)	at 26.7mbgl PID = 0ppm				
28														
29									28.70	Siltstone - Drillers Description		123.09		
30														
31									(3.30)					
32									32.00	Terminated at 32.0mbgl		119.79		
33														
34														
35														
36														
37														
38														
39														

Hole Progress / Water Obs

Date / Time	H. Depth	C. Depth	Water

Casing

Depth	Diam.
28.20	115.00

Groundwater

Struck	Rose To	Behaviour	Sealed
22.00			

Flush

Depth	Type	Returns

Plant: Commachio 600

Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. Dynamic Samples 1.2 - 6.5mbgl (refusal). ODEX / Rotary openhole from 6.5mbgl

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QGL	P Darby	2 Of 2	20	All measurements in metres unless otherwise stated

AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole No. IBH107

Dates : 11/7/22 - 12/7/22

Location :

Job Number : Q0838

Engineer : Redstart

Ground Level : 151.79 m A.O.D.
Level to Ordnance Datum

Coordinates: 305812.12 E
204073.67 N
Co-ordinates to National Grid



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

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

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

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				
	0.50 0.50	ES ES 1				(Insitu PID.) - 0ppmv		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.			
1	1.00 1.00 - 2.00 1.00	ES B 1 ES 2				(Insitu PID.) - 0ppmv					
2	2.00 2.00 - 4.00	SPTLS 1 B 2			2.00	SPT (S) 5 (1-1-**2-1-1-1**)					
	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 4.00 4.00 - 4.20	B 3 SPTLS 3 ES 4			4.00	SPT (S) 7 (1-1-**2-2-2-1**) (Insitu PID.) - 0ppmv					
5					5.00	SPT (S) 6 (2-1-**1-2-2-1**)					
	5.20 - 5.50 5.20 - 5.50	ES ES 5				(Insitu PID.) - 0ppmv		..... below 5.2mbgl brown			
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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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. 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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Operator:	Logged By.	Sheet No.	m Per Page	All measurements in metres unless otherwise stated	AGS
		1 Of 1	2		

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.			
							(0.24)	(SUB-BASE)		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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QGL	P Darby	1 Of 1	7	

AGS

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*



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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. 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	All measurements in metres unless otherwise stated

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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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. 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									
1.00	ES 3				(Insitu PID.) - 0ppmv					
						(3.70)				
				2.20	SPT (S) 2 (1-1-**1-1-0-0**)					
2.50	ES 4				(Insitu PID.) - 0ppmv					
				3.20	SPT (S) 0 (1-0-**0-0-0-0**)					
						3.80	Brown slightly clayey sandy SILT.		146.33	
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)				
				5.20	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)				
6.00	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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QGL	T Goodrick	1 Of 1	7	

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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AGS

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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AGS

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 Depth	Samples Type No.	Sample Run Diam. (mm)	Sample Run Recovery (%)	Tests Depth	Tests SPT & Hand Vane Results	STRATA Depth (Thick-ness)	STRATA DESCRIPTION	STRATA Legend	STRATA Red. Level . A.O.D.	Water	Install/ Backfill
						(0.20)	TOPSOIL - Dark grey sandy SILT with many rootlets				
0.20	ES 1				(Insitu PID.) - 0ppmv	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		
0.30 - 3.00	B 1										
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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AGS

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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AGS

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 0.50	B 1 ES 2				(Insitu PID.) - 0ppmv					
	0.50	ES ES2									
1	1.00 1.00	ES 3 ES ES3				(Insitu PID.) - 0ppmv					
							(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 3.00	D 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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AGS

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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AGS

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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AGS

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



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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		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS105
Dates : 21/7/22 - 21/7/22	Job Number : Q0838	Ground Level : 151.15 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305797.72 E 204200.51 N *Co-ordinates to National Grid*



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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		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			
	0.30 - 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	1.00	ES 2				(Insitu PID.) - 0ppmv					
							(2.90)				
2					2.20	SPT (S) 4 (1-1-**1-1-1-1**)					
	2.50 2.50	ES 3 ES ES3				(Insitu PID.) - 0ppmv					
3	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	4.00	ES 4				(Insitu PID.) - 0ppmv	(1.90)				
					4.20	SPT (C) 8 (3-4-**2-2-2-2**)					
5	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					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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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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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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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 (0.70)	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	2.90 (0.20)	MADE GROUND - Brown SAND. Dand is fine to medium.		148.10	
3 3.10 - 3.50	D 1					3.10	Soft brown silty CLAY.		147.90	
3.30 - 3.50	ES 7			3.20	SPT (S) 13 (2-2-**3-3-3-4**) (Insitu PID.) - 0ppmv	(0.40)				
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		Borehole No.
Client : Merthyr Tydfil County Borough Council		WS108
Dates : 5/7/22 - 5/7/22	Job Number : Q0838	Ground Level : 151.00 m A.O.D. *Level to Ordnance Datum*
Location :	Engineer : Redstart	Coordinates: 305752.51 E 203963.26 N *Co-ordinates to National Grid*





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AGS

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 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
						(0.25)	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									
1.00	ES				(Insitu PID.) - 0ppmv					
1.00	ES 3									
1.00	ES ES3									
1.20 - 3.20	B 3					(3.05)				
				2.20	SPT (S) 0 (1-0-**0-0-0-0**)					
2.50	ES 4				(Insitu PID.) - 0ppmv					
				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									
4.00	ES 5				(Insitu PID.) - 0ppmv					
4.00	ES ES5					(1.60)				
				4.20	SPT (S) 6 (2-1-**2-2-1-1**)					
						4.90	Brown sandy GRAVEL. Gravel is fine to coarse sub-angular to sub-rounded siltstone.		146.18	
						(0.20)				
				5.10	SPT (C) 50/90mm (25-50/15mm—)	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		

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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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. Gravel is fine to coarse angular sandstone.		151.44	
	0.50	ES 2				(Insitu PID.) - 0ppmv	0.35	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.		151.17	
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 2.30	SPT (S) 50/95mm (4-25-**35-15/20mm**–) 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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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**)					
	2.50 2.50	ES 3 ES ES3				(Insitu PID.) - 0ppmv	(1.30)				
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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AGS

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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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. 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

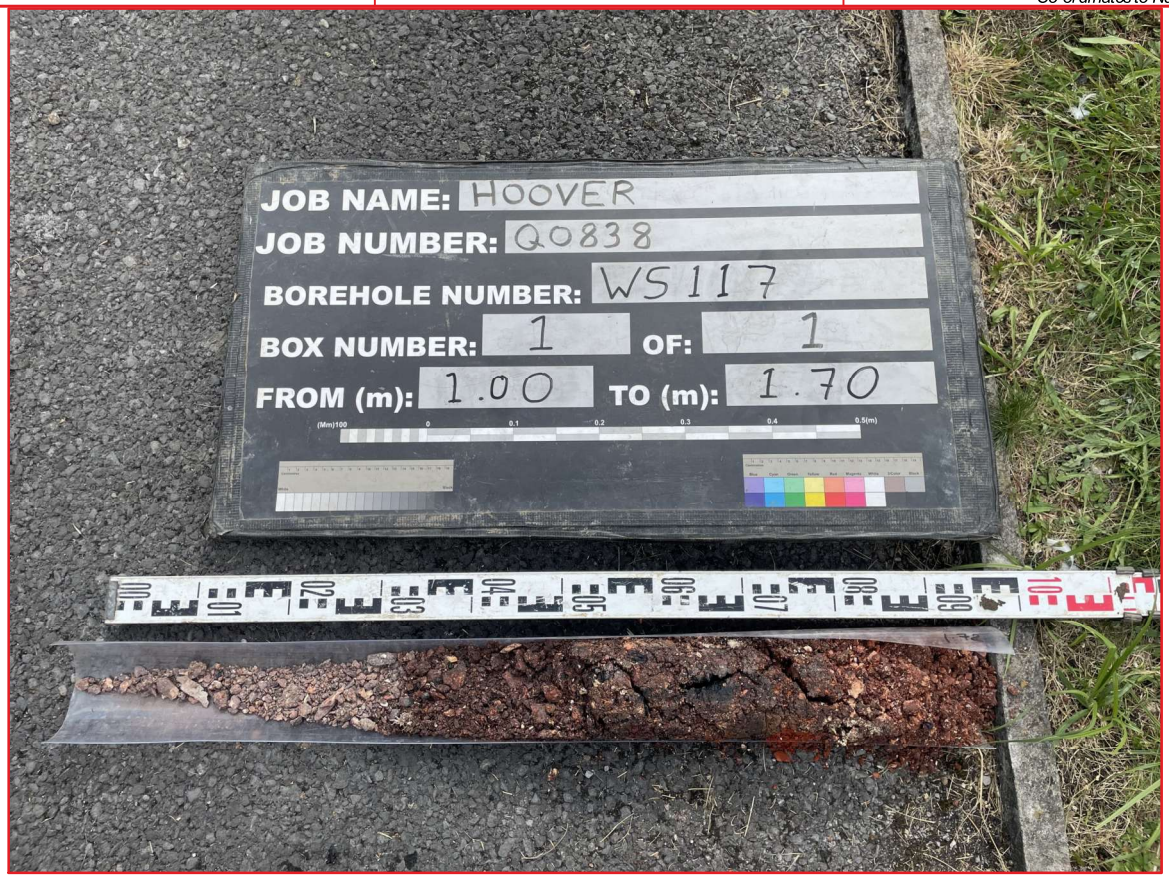
Remarks: PAS survey undertaken prior to breaking ground. Hand excavated service clearance pit undertaken to 1.2mbgl. No groundwater encountered

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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. 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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QGL	T Goodrick	1 Of 1	2		

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				
	Depth	Type No.	Diam. (mm)	Recovery (%)	Depth	SPT & Hand Vane Results	Depth (Thick-ness)	DESCRIPTION	Legend	Red. Level . A.O.D.	Water
							(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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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. 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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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. 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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QGL	T.Goodrick	1 Of 1	7		

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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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. 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

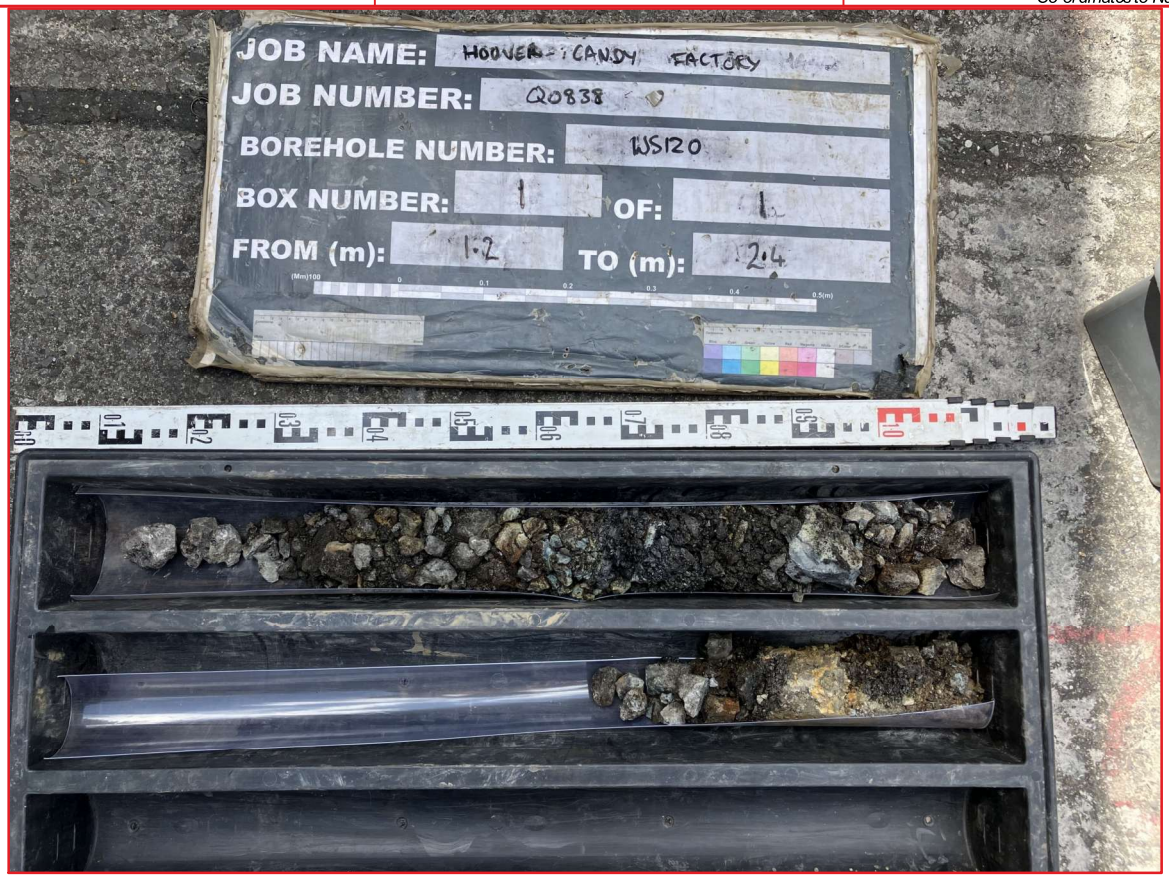
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QGL	P Darby	1 Of 1	7	

AGS

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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Operator:	Logged By.	Sheet No.	m Per Page	
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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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AGS

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

AGS

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



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AGS

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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AGS

Contract : Hoover Candy Factory

Client : Merthyr Tydfil County Borough Council

Borehole 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



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AGS

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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QGL	P Darby	1 Of 1	7	All measurements in metres unless otherwise stated

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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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. 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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QGL	P Darby	1 Of 1	7	

AGS

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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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. 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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QGL	P Darby	1 Of 1	7	

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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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. 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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DJ	A Jones	1 Of 1	8	All measurements in metres unless otherwise stated

AGS

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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Operator:	Logged By.	Sheet No.	m Per Page	
DJ	A Jones	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. 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	1	
					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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QGL	P Darby	1 Of 1	7	

AGS

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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QGL	P Darby	1 Of 1	2	

AGS

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

AGS

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				(Insitu PID.) - 0ppmv						
	1.00	ES 3					(1.50)					
	1.00	ES ES3										
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	All measurements in metres unless otherwise stated
QGL	T Goodrick	1 Of 1	7	

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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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 Depth	Samples Type No.	Sample Run Diam. (mm)	Sample Run Recovery (%)	Tests Depth	Tests SPT & Hand Vane Results	STRATA Depth (Thick-ness)	STRATA 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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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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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

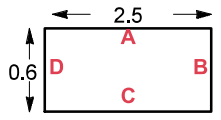
Engineer : Redstart

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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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

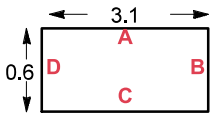
Engineer : Redstart

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	Legend	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 -	ES1				PID @ 0.5mbgl = 0.0ppm			
	0.50 - 1.00	B2			1.00				
1	1.00 -	D				PID @ 1.00mbgl =0.0ppm			
		ES3			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 -	D							
	2.50 - 2.70	ES5			2.90	PID @ 2.5mbgl = 0.0ppm			
		B6							
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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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

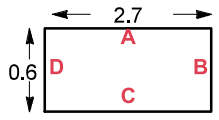
Engineer : Redstart

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

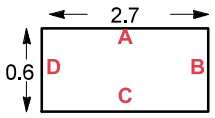
Engineer : Redstart

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

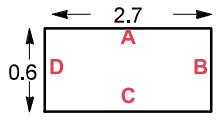
Engineer : Redstart

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	MADE GROUND - Dark reddish brown slightly silty slightly gravelly ASH with fine to medium coal.			
	0.50 - 0.50 - 0.60	ES1 B2			0.15	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				with glass and steel bar at 1.7mbgl			
					3.25				
2						with low cobble content of sandstone from 2.4mbgl			
	2.50 - 2.50 - 2.80	ES6 B7				PID @ 2.5mbgl = 0.0ppm			
3						with iron bars from 3.0mbgl			
					3.40	Firm dark grey silty slightly sandy slightly gravelly CLAY.		146.46	≈
	3.50 - 3.50 - 4.00	ES8 B9				PID @ 3.5mbgl = 0.0ppm			
					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

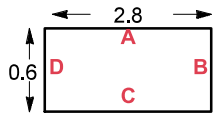
Engineer : Redstart

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

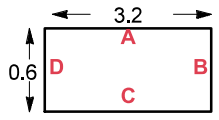
Engineer : Redstart

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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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

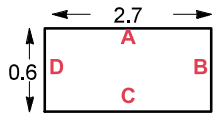
Engineer : Redstart

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	
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. TP109

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

Location :

Job Number : Q0838

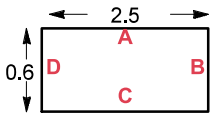
Engineer : Redstart

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

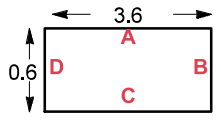
Engineer : Redstart

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 (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			160.91	
	0.50 -	ES1				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.			
	0.50 - 0.70	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					2.10				
	3.20 - 3.50	B7							
						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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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

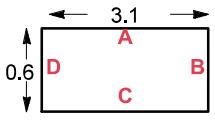
Engineer : Redstart

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

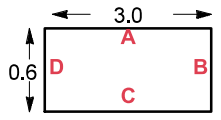
Engineer : Redstart

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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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

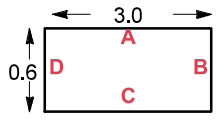
Engineer : Redstart

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	
					0.15	MADE GROUND - Loose black sandy angular to subangular fine GRAVEL of coal. (COAL DUST)			
	0.40 - 0.80	B2							
	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*





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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. TP114

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

Location :

Job Number : Q0838

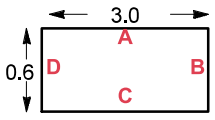
Engineer : Redstart

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

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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. 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*





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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

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
Quotation No.: Q22-27297				Chemtest Sample ID.:	1474837	1474840	1474841	1475005	1475008	1475000	1475001	1474936	1474938	1470164	1470167	1470560	1470563
Order No.:				Client Sample Ref.:	ES1	ES4	ES5	ES2	ES5	ES2	ES3	ES1	ES3	1	4	2	5
				Sample Location:	WS101	WS101	WS101	WS102	WS102	WS103	WS103	WS105	WS105	WS106	WS106	WS107	WS107
				Sample Type:	SOIL	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
				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
				Date Sampled:										14-Jul-2022	14-Jul-2022	15-Jul-2022	15-Jul-2022
				Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**													
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	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
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
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	8.8	0.64	0.54
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
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
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
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	1.1	0.95	0.97	1.1	1.1	1.2	1.1	22	79	4.9	2.0	28	4.4
Metals																	
Aluminium (Total)	N	2430	mg/kg	100	2300	11000	8700	12000	3100	2800	5100	9200	13000	6300	8900	3100	6100
Iron (Total)	N	2430	mg/kg	100	24000	6000	13000	21000	12000	16000	12000	28000	25000	23000	19000	32000	28000
Arsenic	U	2455	mg/kg	0.5	19	2.8	18	23	3.8	96	9.7	29	21	16	18	14	44
Barium	U	2455	mg/kg	0	220	650	260	740	66	110	240	670	3100	150	58	110	580
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
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
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
Manganese	U	2455	mg/kg	1.0	490	230	690	350	160	49	150	460	610	200	120	470	300
Copper	U	2455	mg/kg	0.50	46	13	17	45	11	40	17	71	67	28	28	39	63
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
Nickel	U	2455	mg/kg	0.50	19	13	49	35	13	5.4	7.8	64	63	16	8.9	18	46
Lead	U	2455	mg/kg	0.50	29	4.1	18	33	8.4	33	9.5	43	14	31	21	41	3.3
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
Vanadium	U	2455	mg/kg	0.5	68	16	24	40	6.4	8.1	21	40	66	14	12	75	61
Zinc	U	2455	mg/kg	0.50	45	9.6	64	29	27	15	6.0	260	15	57	37	28	8.6
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12	< 1.0	< 1.0
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	140	< 1.0	< 1.0	< 1.0	< 1.0	190	< 1.0	< 1.0	< 1.0	< 1.0	8.8	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	140	< 5.0	< 5.0	< 5.0	< 5.0	190	< 5.0	< 5.0	< 5.0	< 5.0	20	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	270	< 10	< 10	< 10	< 10	350	< 10	< 10	< 10	< 10	20	< 10	< 10
PAHs																	
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.93	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.74	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	0.49	< 0.10	< 0.10	0.90	< 0.10	0.33	< 0.10	< 0.10	< 0.10	0.54	< 0.10	0.15	< 0.10
Pyrene	U	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	0.61	< 0.10	0.19	< 0.10	< 0.10	< 0.10	0.52	< 0.10	0.14	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.58	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.41	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.72	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.62	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.40	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	6.6	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	< 2.0	< 2.0	< 2.0
Total Phenols	U	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1463196	1464118	1464117	1475012	1475014	1475016	1474843	1474844	1474845	1477523	1463226	1464121	1477521
Client Sample Ref.:	2	4	7	ES1	ES3	ES5	ES2	ES3	ES4	5	5	2	1
Sample Location:	WS108	WS108	WS108	WS109	WS109	WS109	WS110	WS110	WS110	WS111	WS112	WS112	WS113
Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Top Depth (m):	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
Bottom Depth (m):		2.1	3.5	20-Jul-2022	20-Jul-2022	20-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.2		
Date Sampled:	04-Jul-2022	05-Jul-2022	05-Jul-2022							27-Jul-2022	04-Jul-2022	05-Jul-2022	27-Jul-2022
Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand													
ACM Type	Insulation	-	-	-	-	-		-	-	-	-	-	-
Asbestos Identification	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
Inorganics													
Moisture	15	35	20	13	19	20	9.1	4.1	24	19	13	19	17
pH	8.8	6.8	7.4	8.3	7.3	7.6		8.1	7.7	8.5	8.8	7.5	9.1
Boron (Hot Water Soluble)	0.78	0.84	< 0.40	< 0.40	< 0.40	< 0.40		0.72	0.96	0.40	22	56	< 0.40
Sulphate (2:1 Water Soluble) as SO4	0.041	0.040	0.057	0.014	0.031	0.016		0.036	0.014	< 0.010	0.062	0.13	0.012
Total Sulphur	0.34	0.36	0.039	0.52	0.61	0.044		0.058	0.17	0.068	0.56	0.60	0.094
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
Sulphide (Easily Liberatable)	62	1.9	5.0	32	23	9.3		0.95	0.53	13	14	42	13
Metals													
Aluminium (Total)	8600	7400	5000	2900	2500	3600		6900	2400	3700	9600	5000	8200
Iron (Total)	22000	19000	18000	28000	30000	18000		13000	9000	18000	26000	14000	14000
Arsenic	25	21	6.9	11	10	4.2		3.2	5.5	4.6	58	16	21
Barium	720	320	85	130	170	54		180	88	60	700	210	1100
Beryllium	1.6	0.8	0.6	< 0.5	< 0.5	< 0.5		0.7	< 0.5	< 0.5	0.7	0.6	1.5
Cadmium	5.3	0.20	0.10	0.14	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	0.83	0.62	< 0.10
Chromium	47	16	11	23	16	5.6		12	5.5	5.8	18	11	11
Manganese	490	340	890	360	210	530		280	350	520	96	240	230
Copper	300	120	12	240	590	18		30	18	15	32	88	34
Mercury	0.69	0.11	< 0.05	0.10	0.05	< 0.05		< 0.05	0.06	< 0.05	2.0	0.09	< 0.05
Nickel	49	36	17	19	21	13		32	14	18	16	25	39
Lead	170	57	15	39	17	12		20	13	10	32	36	3.4
Selenium	1.4	0.91	0.66	0.73	0.79	< 0.25		0.40	0.46	0.27	4.5	0.70	0.97
Vanadium	50	33	12	39	30	6.8		9.2	9.3	8.0	23	23	29
Zinc	280	64	71	67	24	33		75	21	39	130	44	11
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
Organic Matter	34	67	2.1	62	93	4.5		1.1	17	7.8	8.1	14	0.90
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
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
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
Aliphatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	68	< 1.0
Aliphatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	88	< 1.0
Aliphatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	5.7	6.7	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	3700	< 1.0
Aliphatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	63	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	9100	< 1.0
Aliphatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	74	< 1.0
Total Aliphatic Hydrocarbons	< 5.0	< 5.0	< 5.0	68	140	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	13000	< 5.0
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
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
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
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
Aromatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	3.3	3.8	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	63	< 1.0
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	5.9	8.3	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	690	< 1.0
Aromatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	97	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	5700	< 1.0
Aromatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	1300	< 1.0
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	110	150	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	7800	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	170	290	< 10		< 10	< 10	< 10	< 10	21000	< 10
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
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
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
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
Phenanthrene	0.77	< 0.10	< 0.10	1.7	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	0.15	< 0.10	< 0.10	0.23	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	0.45	0.39	< 0.10	0.65	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.29	< 0.10
Pyrene	0.48	0.38	< 0.10	0.55	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.66	< 0.10
Benzo[a]anthracene	0.38	0.31	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	0.47	0.77	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	0.53	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	3.9	< 2.0	< 2.0	3.2	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1477522	1464001	1463192	1463194	1464001	1474925	1474926	1474920	1474921	1474923	1463190	1464002	1470571
Client Sample Ref.:	2	ES	1	3	ES	ES2	ES3	ES1	ES2	ES2	2	ES	2
Sample Location:	WS113	5	WS114	WS114	5	WS116	WS116	WS117	WS117	WS118	WS119	4	WS120
Sample Type:	SOIL	WS114	SOIL	SOIL	WS114	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WS119	SOIL
Top Depth (m):	1.80	SOIL	0.20	1.00	SOIL	1.00	2.50	0.50	1.00	1.00	0.50	SOIL	1.00
Bottom Depth (m):	2.00	3.00			3.00	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.50	
Date Sampled:	27-Jul-2022	05-Jul-2022	04-Jul-2022	04-Jul-2022	05-Jul-2022						04-Jul-2022	05-Jul-2022	15-Jul-2022
Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	COVENTRY
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
Inorganics													
Moisture	10	18	13	11	18	14	11	13	6.8	12	4.7	2.8	1.6
pH	8.6	8.0	8.9	8.7	8.0	5.7	7.3	8.9		8.6	9.1	9.0	9.8
Boron (Hot Water Soluble)	< 0.40	2.6	1.4	1.3	2.6	8.1	1.1	1.1		1.4	1.1	1.2	0.50
Sulphate (2:1 Water Soluble) as SO4	0.015	0.17	0.079	0.11	0.17	0.080	0.094	0.030		0.037	0.055	0.044	0.13
Total Sulphur	0.045	0.92	0.73	0.76	0.92	3.9	0.067	0.58		0.63	0.089	0.039	1.0
Cyanide (Total)	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	1.0	< 0.50
Sulphide (Easily Liberatable)	12	21	29	3.7	21	3.8	70	390		93	25	1.9	1.5
Metals													
Aluminium (Total)	3500	6800	7100	8800	6800	24000	4300	15000		11000	7100	11000	24000
Iron (Total)	19000	30000	21000	19000	30000	29000	17000	26000		24000	14000	21000	4500
Arsenic	5.3	5.6	76	55	5.6	96	4.7	20		15	6.4	4.5	0.9
Barium	78	68	260	210	68	86	120	180		130	140	48	430
Beryllium	< 0.5	0.6	1.3	0.6	0.6	0.6	< 0.5	0.9		0.6	1.1	0.5	2.3
Cadmium	< 0.10	0.24	0.20	0.32	0.24	0.23	< 0.10	0.20		< 0.10	0.13	0.15	< 0.10
Chromium	6.6	37	16	16	37	14	11	16		10	13	28	22
Manganese	580	420	310	66	420	100	150	680		460	270	480	3200
Copper	16	33	83	22	33	22	30	48		36	37	19	2.5
Mercury	< 0.05	0.10	0.47	0.34	0.10	< 0.05	0.07	0.11		0.09	0.05	0.06	< 0.05
Nickel	19	29	22	14	29	8.2	18	23		16	35	25	3.1
Lead	11	35	57	48	35	100	33	47		22	27	21	1.7
Selenium	0.31	0.84	2.2	4.7	0.84	1.3	0.45	1.3		1.1	0.64	0.57	1.4
Vanadium	8.9	42	28	26	42	24	11	19		13	10	31	47
Zinc	42	73	65	48	73	40	120	110		82	87	51	7.0
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
Organic Matter	5.9	50	12	1.9	50	< 0.40	3.3	4.8		6.2	1.7	1.0	1.5
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
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
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
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
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
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
Aliphatic TPH >C21-C35	< 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	< 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	< 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	< 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	< 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	< 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	< 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 >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
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
Aromatic TPH >C21-C35	< 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 >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
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
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
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
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
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
Phenanthrene	< 0.10	3.3	< 0.10	< 0.10	3.3	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	< 0.10	0.34	< 0.10	< 0.10	0.34	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	< 0.10	1.5	< 0.10	< 0.10	1.5	< 0.10	< 0.10	< 0.10		0.27	< 0.10	< 0.10	0.14
Pyrene	< 0.10	1.1	< 0.10	< 0.10	1.1	< 0.10	< 0.10	< 0.10		0.21	< 0.10	< 0.10	0.13
Benzo[a]anthracene	< 0.10	0.92	< 0.10	< 0.10	0.92	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	< 0.10	1.5	< 0.10	< 0.10	1.5	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	< 0.10	1.3	< 0.10	< 0.10	1.3	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	< 0.10	0.42	< 0.10	< 0.10	0.42	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	< 0.10	0.75	< 0.10	< 0.10	0.75	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	0.53	< 0.10	< 0.10	0.53	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	0.20	< 0.10	< 0.10	0.20	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	0.47	< 0.10	< 0.10	0.47	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	< 2.0	12	< 2.0	< 2.0	12	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1470568	1470569	1474214	1474216	1474219	1474221	1474223	1474224	1477519	1477520	1467037	1467038	1467039
Client Sample Ref.:	4	5	1	3	1	3	2	3	1	3	1	2	3
Sample Location:	WS121	WS121	WS122	WS122	WS123	WS123	WS124	WS124	WS125	WS125	WS126	WS126	WS126
Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Top Depth (m):	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):	3.40	4.20						1.30					
Date Sampled:	15-Jul-2022	15-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:	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB
Determinand													
ACM Type	-	-	Fibres/Clumps	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	No Asbestos Detected	No Asbestos Detected	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
Inorganics													
Moisture	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	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)	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	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	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)	< 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)	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)	1200	1900	2500	4900	5400	2300	2300	26000	1300	4500	9900	14000	2900
Iron (Total)	17000	5200	14000	15000	15000	12000	7500	17000	6700	18000	29000	20000	5500
Arsenic	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	39	53	1200	210	820	90	52	400	640	75	86	150	15
Beryllium	< 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	< 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	8.0	2.8	8.6	7.2	11	4.9	1.8	34	4.7	7.0	14	12	2.9
Manganese	83	100	< 1.0	440	1300	400	160	< 1.0	760	650	760	570	52
Copper	24	18	14	39	23	37	24	26	8.1	18	17	22	6.6
Mercury	< 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	80	22	12	29	22	46	17	11	7.0	21	12	19	8.4
Lead	5.1	5.4	13	74	25	15	10	39	38	13	51	26	2.9
Selenium	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	21	12	7.9	13	9.1	6.7	3.5	66	6.0	9.7	20	15	1.8
Zinc	70	12	36	93	62	81	39	71	43	46	77	52	15
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
Organic Matter	19	16	12	45	5.5	22	16	22	5.5	26	4.8	24	3.8
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
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
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
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
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
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
Aliphatic TPH >C21-C35	< 1.0	< 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	< 1.0	< 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	< 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	< 1.0	< 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	< 1.0	< 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	< 1.0	< 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	< 1.0	< 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 >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
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0	8.5	< 1.0
Aromatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	37	< 1.0	< 1.0	< 1.0	74	< 1.0
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
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	41	< 5.0	< 5.0	< 5.0	82	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	< 10	< 10	< 10	< 10	41	< 10	< 10	< 10	82	< 10
PAHs													
Naphthalene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.52	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.45	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.7	0.59	1.1	< 0.10	3.7	< 0.10
Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	0.33	< 0.10	< 0.10	1.1	< 0.10
Fluoranthene	0.47	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	11	0.99	0.61	2.4	4.9	< 0.10
Pyrene	0.44	0.33	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.6	0.59	0.60	2.0	3.3	< 0.10
Benzo[a]anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.0	< 0.10	0.34	< 0.10	2.4	< 0.10
Chrysene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.4	< 0.10	0.45	< 0.10	2.2	< 0.10
Benzo[b]fluoranthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	56	2.5	3.1	4.4	18	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Key

6.7	Exceedance of Screening Value
	Average or Maximum concentration below screening value
	Average or Maximum concentration above screening value

HOOVER factory - soil screening

Residential with plant uptake

2.5%

																																																		22-27116	22-27116	22-27116	22-27116		
Client: Quantum Geotechnic Ltd	22-25583	22-25583	22-25583	22-25583	22-28203	22-28203	22-28203	22-28205	22-28205	22-28205	22-28205	22-28205	22-26488	22-26488	22-26342	22-26342	22-27224	22-27224	22-27224	22-27224	22-27224	22-27110	22-27110	22-27110	22-27110	22-28211	22-28211	22-27108	22-27108	22-27108	22-27108	22-27108	22-27108	22-24548	22-24548	22-24548	22-24553	22-25936	22-25936	22-26915	22-26915	22-27203	22-27203	22-27203	22-27203	22-27023	22-27023	22-27023	22-27023	1470202	1470204	1470206	1470208	22-28706	22-28706
Quotation No.: Q22-27297	1463219	1463220	1463221	1463222	1474931	1474933	1474935	1474963	1474964	1474965	1474958	1474961	1467031	1467033	1466565	1466567	1470716	1470717	1470720	1470723	1470725	1470168	1470170	1470168	1470170	1475018	1475021	1470134	1470135	1470141	1470139	1470140	1470143	1458541	1458543	1458535	1458569	1464894	1464896	1469194	1469195	1470580	1470581	1470583	1470584	1469767	1469769	1469770	1469771	1	3	5	7	1477517	1477518
Order No.:	1	2	3	4	ES1	ES3	ES5	ES1	ES2	ES3	ES1	ES4	1	3	2	4	1	2	5	3	5	1	3	1	3	ES2	ES5	3	6	1	6	8	3	ES2	ES4	ES1	ES1	ES4	ES6	1	2	CP103	CP103	CP103	CP103	1	3	4	5	4	6	21	8	5	1
	WS128	WS128	WS128	WS128	WS129	WS129	WS129	WS130	WS130	WS130	WS131	WS131	WS132	WS132	WS133	WS133	WS134	WS134	WS134	WS135	WS135	WS136	WS136	WS136	WS136	WS137	WS137	TP103	TP103	TP109	TP110	TP110	TP111	TP112	TP112	TP113	TP114	CP102	CP102	CP102	CP102	SOIL	SOIL	SOIL	SOIL	CP104	CP104	CP104	CP104	IBH102	IBH102	IBH102	IBH102	IBH103	IBH103
	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	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	0.2	0.5	1.0	18	0.20	1.00	4.00	0.30	0.60	1.00	0.30	2.50	0.5	2.5	1.0	3.9	0.5	1	5.2	2.5	4.5	0.2	1.0	0.2	1.0	0.50	4.00	1.0	2.5	0.5	2.5	4.0	1.0	0.7	2.1	0.2	0.5	2.50	5.50	0.2	0.5	0.50	1.00	4.00	5.50	0.30	1.00	2.50	4.00	1.2	4.2	7.2	10.2	4.00	0.30
					21-Jul-2022	21-Jul-2022	21-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022		2.7		4.1			5.5	2.7	4.7					19-Jul-2022	19-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022																	2.7	5.7	8.7	11.7		
	04-Jul-2022	04-Jul-2022	04-Jul-2022	04-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	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022									28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	07-Jul-2022	07-Jul-2022	06-Jul-2022	06-Jul-2022	08-Jul-2022	08-Jul-2022	08-Jul-2022	08-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	27-Jul-2022	27-Jul-2022
	DURHAM		DURHAM		COVENTRY	COVENTRY		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	DURHAM	NEW-ASB	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	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	21	8.9	3.6	8.7	8.9	5.8	7.4	10	11	11	9.7	4.5	6.8	13	6.8	11	8.9	5.6	11	15	7.9	9.7	11	9.7	11	15	18	0.78	13	1.2	3.2	7.9	13	12	14	7.0	26	25	7.3	17	8.5	15	14	15	25	14	15	20	9.1	13	5.9	15	12	7.8	6.2
pH	8.7		9.1		8.7	8.3		8.5	8.1	8.0	8.5	8.5	8.5	7.8	9.3	10.1	8.7		8.5	8.1	9.0	8.6	7.8	8.6	7.8	7.6	8.5	8.1	7.6	7.2	8.2	8.2	7.9	8.1	7.7	8.2	7.3	7.2	8.2	7.3	7.5	8.6	8.6	8.5	8.3	9.3	9.1	9.0	8.8	8.2	8.5	8.9	9.0	9.2	9.2
Boron (Hot Water Soluble)	170		3.2		0.47	0.42		< 0.40	1.0	0.65	1.1	1.4	< 0.40	< 0.40	< 0.40	< 0.40	4.3		0.89	0.87	1.3	0.53	0.54	0.53	0.54	< 0.40	< 0.40	0.61	0.62	2.0	< 0.40	2.3	1.4	2.7	2.6	< 0.40	15	< 0.40	< 0.40	0.54	0.47	< 0.40	0.48	< 0.40	0.72	0.58	1.2	1.8	0.49	0.70	0.47	< 0.40	< 0.40	0.97	0.73
Sulphate (2:1 Water Soluble) as SO4	7.6		0.076		0.22	0.32		0.032	0.040	0.048	0.021	0.025	< 0.010	< 0.010	< 0.010	< 0.010	0.24		0.13	0.063	0.66	0.044	0.038	0.044	0.038	< 0.010	0.017	0.020	0.012	< 0.010	0.016	< 0.010	< 0.010	0.31	0.67	0.064	0.058	0.015	< 0.010	< 0.010	< 0.010	0.022	0.017	0.011	0.051	0.021	0.037	0.032	0.026	0.027	0.011	0.058	0.055	< 0.010	0.031
Total Sulphur	1.4		0.087		0.28	0.43		0.12	0.41	0.41	0.19	0.044	0.14	0.60	0.41	0.71	0.29		0.41	0.54	0.74	0.19	0.24	0.19	0.24	0.32	0.010	0.14	0.28	0.19	0.16	0.41	0.18	0.37	0.29	0.39	0.41	0.42	0.028	0.20	0.16	0.33	0.31	0.042	0.056	0.95	1.2	0.24	0.035	0.054	0.022	0.026	0.019	0.13	0.057
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	< 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
Sulphide (Easily Liberatable)	150		5.8		9.7	42		110	110	48	280	5.9	1.1	1.1	1.3	1.1	65		25	15	43	2.5	14	2.5	14	17	1.8	1.5	9.2	20	2.3	19	470	33	40	650	19	6.5	49	120	41	4.2	19	0.82	2.2	26	1.3	1.5	8.0	1.8	1.3	2.2	4.8	13	16
Metals																																																							
Aluminium (Total)	5200		13000		19000	18000		9800	11000	11000	12000	8500	12000	< 100	4800	2900	7800		11000	5700	3200	8300	9200	8300	9200	6200	3300	11000	12000	6900	8400	7300	7000	8700	3700	11000	5700	6300	4300	6500	5800	5500	5300	11000	4700	6800	9400	8500	3100	8300	7600	5700	5700	2800	4500
Iron (Total)	9900		20000		28000	17000		18000	19000	19000	20000	18000	62000	1700	23000	14000	18000		8800	36000	14000	45000	24000	45000	24000	24000	13000	31000	33000	20000	27000	26000	18000	13000	13000	9200	16000	25000	52000	15000	15000	12000	25000	6900	11000	23000	22000	11000	34000	18000	27000	25000	22000	6800	10000
Arsenic	7.1		5.2		8.4	19		3.4	15	18	6.6	3.5	27	21	17	9.5	9.8		5.2	16	5.6	23	13	23	13	13	2.7	24	23	18	20	25	9.0	12	9.9	7.1	6.0	25	7.3	7.8	13	9.8	17	1.4	2.2	39	26	15	4.3	5.6	13	4.8	4.6	2.2	2.1
Barium	89		540		360	550		130	160	140	180	75	320	110	250	130	160		130	130	50	460	140	460	140	190	45	550	590	380	490	330	110	380	140	190	910	250	44	120	370	200	350	190	57	140	160	54	22	35	23	50	64	62	140
Beryllium	0.8		1.6		1.4	1.2		0.8	1.0	0.6	0.7	0.6	0.9	< 0.5	0.6	< 0.5	0.6		1.0	0.5	< 0.5	0.7	< 0.5	0.7	< 0.5	< 0.5	< 0.5	1.1	1.2	0.6	0.9	0.6	< 0.5	0.7	0.6	1.4	0.7	0.6	0.6	0.5	0.7	< 0.5	0.6	0.5	0.6	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5	< 0.5
Cadmium	3.0		0.21		0.15	0.37		< 0.10	0.11	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25		0.30	0.31	< 0.10	< 0.10	0.26	< 0.10	0.26	0.20	< 0.10	< 0.10	< 0.10	0.17	< 0.10	0.44	1.3	0.27	0.22	< 0.10	0.75	0.12	< 0.10	0.44	0.13	0.20	< 0.10	< 0.10	< 0.10	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10	< 0.10
Chromium	62		19		19	29		8.9	13	9.3	13	11	20	10	10	7.1	14		10	11	5.6	17	12	17	12	11	5.6	16	24	9.2	13	13	24	17	7.4	26	26	11	8.6	6.3	9.1	8.4	13	3.4	7.0	9.6	13	5.3	4.8	8.0	7.7	6.8	6.7	6.2	7.0
Manganese	4500		350		2100	1400		860	730	370	490	240	140	280	160	100	480		670	360	300	170	510	170	510	350	500	230	430	320	200	190	340	450	400	1200	200	130	1100	520	340	240	310	54	110	190	21	28	580	290	250	530	640	110	200
Copper	610		49		28	76		9.0	31	23	40	30	43	13	30	15	36		14	34	23	40	50	40	50	37	4.5	55	72	45	44	41	43	150	34	21	660	52	7.8	23	22	21	45	16	7.4	50	18	10	6.5	14	19	14	13	11	20
Mercury	0.20		0.05		< 0.05	0.33		< 0.05	0.28	0.21	0.10	< 0.05	0.07	0.06	0.08	0.06	0.11		< 0.05	0.13	0.05	< 0.05	0.28	< 0.05	0.28	0.14	< 0.05	0.05	0.23	0.12	0.05	0.12	0.17	0.07	0.25	< 0.05	0.08	0.17	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	< 0.05	0.90	< 0.05	< 0.05	< 0.05	0.10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	34		46		36	31		15	23	15	24	28	190	8.5	26	14	19		19	25	20	38	21	38	21	18	9.3	42	39	19	34	28	44	24	12	9.7	31	22	47	14	21	14	23	11	12	11	9.2	5.0	12	9.3	8.9	17	16	5.5	20
Lead	37		26		20	130		15	28	27	48	14	12	8.0	16	12	41		15	39	15	12	43	12	43	40	8.0	20	56	28	31	86	57	72	61	22	180	140	6.7	27	18	20	25	0.54	7.9	47	31	10	5.7	17	7.9	12	11	73	14
Selenium	2.2		0.88		1.0	1.1		0.59	1.5	1.8	0.51	< 0.25	1.6	1.0	0.93	0.53	0.72		0.98	0.56	1.0	0.54	0.59	0.54	0.59	0.66	< 0.25	0.81	1.1	1.2	0.73	0.81	0.46	1.3	0.79	1.4	0.53	1.9	0.47	0.47	0.69	0.60	0.66	0.44	2.1	4.7	0.72	0.33	< 0.25	0.30	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	53		13		32	28		9.5	16	13	14	7.4	42	17	26	11	16		23	17	7.2	35	20	35	20	19	6.1	35	54	18	26	23	12	21	12	56	16	21	13	12	17	16	27	18	8.0	17	21	9.1	6.4	11	9.7	7.2	7.4	6.4	5.2
Zinc	3500		120		84	440		48	60	38	60	57	74	8.8	13	8.6	84		26	80	44	13	84	13	84	61	27	15	50	38	17	69	250	120	69	54	320	49	47	40	25	30	42	< 0.50	24	27	7.3	11	34	41	27	35	32	83	74
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	< 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	7.4		1.2		7.6	14		1.2	14	11	9.0	0.84	17	1.3	3.8	66	22		15	38	36	4.8	16	4.8	16	43	0.93	7.4	22	19	6.0	19	26	21	21	26	33	47	0.47	40	11	22	67	< 0.40	3.5	47	< 0.40	< 0.40	0.52	7.4	0.62	0.84	0.55	3.8	0.88
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	21	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	94	95	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		13	120	120	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		40	280	270	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	62	< 1.0	< 1.0	140	< 1.0	< 1.0	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	740	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 5.0		< 5.0		< 5.0	< 5.0		54	510	520	< 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	62	< 5.0	< 5.0	160	< 5.0	< 5.0	< 5.0	< 5.0	240	< 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	740	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C12-C16	< 1.0		< 1.0		< 1.0	< 1.0		4.2	7.4	7.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C21-C35	< 1.0		< 1.0		< 1.0	< 1.0		370	370	290	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	71	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	63	49	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	< 1.0		< 1.0		< 1.0	< 1.0		73	32	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 Aromatic Hydrocarbons	< 5.0		< 5.0		< 5.0	< 5.0		450	410	330	< 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	71	< 5.0	< 5.0	240	< 5.0	< 5.0	< 5.0	< 5.0	63	49	< 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	55	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	< 10		< 10		< 10	< 10		500	920	850	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	130	< 10	< 10	400	< 10	< 10	< 10	< 10	300	49	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	790	< 10	< 10	< 10	< 10	< 10
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	0.69		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.5	2.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.14		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.85		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.92		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.78	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	0.50		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5		< 0.10	1.8	< 0.10	< 0.10	1.4	< 0.10	1.4	1.3	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	1.0	2.9	1.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.76	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	0.12		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.95		< 0.10	0.44	< 0.10	< 0.10	0.39	< 0.10	0.39	0.32	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	0.19	0.71	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	0.83		< 0.10		< 0.10	0.37		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.50	4.7		< 0.10	3.4	< 0.10	< 0.10	2.1	< 0.10	2.1	1.6	< 0.10	0.34	1.1	< 0.10	0.16	0.31	1.3	2.7	4.1	0.23	0.22	< 0.10	< 0.10	< 0.10	0.18	< 0.10	0.63	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.86	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	0.76		< 0.10		< 0.10	0.29		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.47	3.1		< 0.10	2.3	< 0.10	< 0.10	1.4	< 0.10	1.4	1.2	< 0.10	0.37	1.0	< 0.10	0.14	0.27	1.1	2.0	3.1	0.22	0.22	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.55	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29	2.7		< 0.10	1.5	< 0.10	< 0.10	1.3	< 0.10	1.3	0.84	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	0.68	1.5	2.9	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	2.5		< 0.10	1.4	< 0.10	< 0.10	1.4	< 0.10	1.4	0.85	< 0.10	< 0.10	1.0	< 0.10	< 0.10	< 0.10	0.89	1.7	3.6	< 0.10	0.34	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	0.52		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25	3.1		< 0.10	2.3	< 0.10	< 0.10	1.7	< 0.10	1.7	< 0.10	< 0.10	< 0.10	1.8	< 0.10	< 0.10	< 0.10	1.3	2.4	4.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.91	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	0.19		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	1.2		< 0.10	0.64	< 0.10	< 0.10	0.57	< 0.10	0.57	< 0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10	< 0.10	0.27	0.77	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	0.30		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	2.0		< 0.10	1.4	< 0.10	< 0.10	1.2	< 0.10	1.2	< 0.10	< 0.10	< 0.10	1.3	< 0.10	< 0.10	< 0.10	0.66	1.8	2.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.82	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.68	< 0.10	0.68	< 0.10	< 0.10	< 0.10	0.99	< 0.10	< 0.10	< 0.10	< 0.10	1.2	2.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	0.21	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.68	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.49	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.60	< 0.10	0.60	< 0.10	< 0.10	< 0.10	0.79	< 0.10	< 0.10	< 0.10	< 0.10	1.2	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.69	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	3.8		< 2.0		< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	26		< 2.0	15	< 2.0	< 2.0	13	< 2.0	13	6.0	< 2.0	< 2.0	10	< 2.0	< 2.0	< 2.0	7.4	27	32	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Key

6.7

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
Quotation No.: Q22-27297	1477516	1475278	1475279	1468016	1468017	1468018	1468023	1468034	1468035	1468037	1468039	1468041	1468045	1468049
Order No.:	5	2	1	4	6	7	11	22	9	11	13	15	19	23
	IBH104	IBH104	IBH104 (Acid Sump)	IBH105	IBH105	IBH105	IBH105	IBH105	IBH107	IBH107	IBH107	IBH107	IBH107	IBH107
	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	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
				1.4	4.4	5.15	14.7	8.7	7.2	10.2	13.2	16.2	22.2	28.7
	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
	DURHAM	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
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
Inorganics														
Moisture	16	14	9.8	5.8	7.9	15	12	7.0	8.9	21	17	10	10	16
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
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
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
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
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
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
Metals														
Aluminium (Total)	4800	7900	4200	6200	11000	3600	4800	4600	3800	3500	4800	3500	2700	2200
Iron (Total)	21000	17000	17000	20000	38000	14000	51000	28000	27000	18000	29000	21000	18000	19000
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
Barium	790	210	520	160	480	46	58	38	99	70	51	44	60	35
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
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
Chromium	17	12	15	3.0	23	6.1	13	20	26	25	7.8	5.9	5.2	4.1
Manganese	160	310	200	40	210	510	880	920	690	550	520	360	350	200
Copper	44	22	40	7.7	20	6.3	13	6.5	14	13	10	9.1	8.5	11
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
Nickel	48	29	62	3.5	75	8.6	26	14	21	18	19	12	11	13
Lead	6.2	25	6.5	1.1	3.4	7.1	13	6.8	9.5	16	11	9.3	8.8	16
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
Vanadium	36	21	32	11	72	8.3	14	8.3	12	8.9	9.5	7.6	6.2	5.2
Zinc	20	88	380	4.4	11	21	56	37	43	37	37	29	25	31
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Total Petroleum Hydrocarbons	< 10	< 10	360	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
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
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
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
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
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
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
Fluoranthene	< 0.10	< 0.10	< 0.10	0.25	0.28	0.83	0.29	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	< 0.10	< 0.10	< 0.10	0.23	0.29	0.75	0.29	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	< 0.10	< 0.10	< 0.10	0.26	0.27	0.80	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	< 0.10	< 0.10	< 0.10	0.23	0.26	0.64	0.27	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	< 0.10	< 0.10	< 0.10	0.32	0.29	0.93	0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	< 0.10	< 0.10	< 0.10	0.18	0.23	0.65	0.25	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	< 0.10	< 0.10	< 0.10	0.22	0.24	0.75	0.24	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	0.26	0.28	0.81	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	0.22	0.19	0.64	0.22	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	0.27	0.24	0.74	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	< 2.0	< 2.0	< 2.0	2.4	2.6	7.8	2.8	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Client: Quantum Geotechnic Ltd	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
Quotation No.: Q22-27297	1470665	1470666	1470667	1470668	1470669	1460224	1460226	1460227	1460711	1460714	1464119	1464119	1460230	1460224	1460226	1460227
Order No.:	4	5	6	7	8	1	3	4	1	4	1	1	2	1	3	4
	IBH107	IBH107	IBH107	IBH107	IBH107	ES	ES	ES	BH104	BH104	BH107	BH107	ES	ES	ES	ES
	SOIL	SOIL	SOIL	SOIL	SOIL	BH101	BH101	BH101	SOIL	SOIL	SOIL	SOIL	BH113	RBH101	RBH101	RBH101
	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
	1.4	2.9	4.4	5	6.2	0.3	1.0	2.5					0.5	0.3	1.0	2.5
	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		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
Inorganics																
Moisture	4.6	8.7	6.4	23	19	11	15	18	14	22	13	13	12	11	15	18
pH		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
Boron (Hot Water Soluble)		< 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
Sulphate (2:1 Water Soluble) as SO4		< 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
Total Sulphur		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
Cyanide (Total)		< 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
Sulphide (Easily Liberatable)		1.7		4.8		12	39	27	180	15	7.5	7.5	14	12	39	27
Metals																
Aluminium (Total)		7000		5300		4300	7300	8700	13000	4000	6900	6900	7400	4300	7300	8700
Iron (Total)		16000		19000		27000	29000	25000	23000	14000	20000	20000	15000	27000	29000	25000
Arsenic		13		20		11	16	26	13	7.2	22	22	49	11	16	26
Barium		710		120		200	290	310	150	89	290	290	160	200	290	310
Beryllium		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
Cadmium		< 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
Chromium		11		16		14	11	13	25	5.9	19	19	12	14	11	13
Manganese		110		550		240	210	200	430	360	330	330	230	240	210	200
Copper		24		23		33	36	37	30	14	130	130	59	33	36	37
Mercury		< 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
Nickel		20		21		22	20	21	32	12	34	34	14	22	20	21
Lead		5.8		30		25	26	39	22	14	45	45	48	25	26	39
Selenium		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
Vanadium		21		20		24	24	24	36	8.7	40	40	25	24	24	24
Zinc		3.1		38		31	31	33	41	26	64	64	30	31	31	33
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
Organic Matter		< 0.40		21		31	48	33	7.9	11	14	14	84	31	48	33
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
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
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
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
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
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
Aliphatic TPH >C21-C35		< 1.0		< 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		< 1.0		< 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		< 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		< 1.0		< 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		< 1.0		< 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		< 1.0		< 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		< 1.0		< 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 >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
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
Aromatic TPH >C21-C35		< 1.0		< 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 >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
Total Aromatic Hydrocarbons		< 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
Total Petroleum Hydrocarbons		< 10		< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
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
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
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
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
Phenanthrene		< 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
Anthracene		< 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
Fluoranthene		< 0.10		< 0.10		1.3	1.8	< 0.10	0.21	< 0.10	0.22	0.22	< 0.10	1.3	1.8	< 0.10
Pyrene		< 0.10		< 0.10		1.3	1.4	< 0.10	0.15	< 0.10	0.20	0.20	< 0.10	1.3	1.4	< 0.10
Benzo[a]anthracene		< 0.10		< 0.10		< 0.10	1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	< 0.10
Chrysene		< 0.10		< 0.10		< 0.10	0.97	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.97	< 0.10
Benzo[b]fluoranthene		< 0.10		< 0.10		< 0.10	1.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10
Benzo[k]fluoranthene		< 0.10		< 0.10		< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.61	< 0.10
Benzo[a]pyrene		< 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
Indeno(1,2,3-c,d)Pyrene		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's		< 2.0		< 2.0		4.6	8.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.6	8.5	< 2.0
Total Phenols		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Client: Quantum Geotechnic Ltd	22-25022	22-25022	22-25794	22-24550	22-24550	22-24550	22-24550	22-24550							
Quotation No.: Q22-27297	1460711	1460714	1464119	1458556	1458557	1458559	1458561	1458563							
Order No.:	1	4	1	1	3	5	7	9							
	RBH104	RBH104	RBH107	RBH112	RBH112	RBH112	RBH112	RBH112							
	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
	0.50	4.00	0.5	0.20	1.00	4.00	7.00	10.00							
	19-Jun-2022	19-Jun-2022		27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022	27-Jun-2022							
			05-Jul-2022												
	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM							
Determinand									No. samples	No. of exceedances	TSV	Average (Mean)	Average / TSV	Maximum	Max/ TSV
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	-	-	-	-	-	-	-
Inorganics															
Moisture	14	22	13	13	14	22	4.3	22	145	0	-	12.1	-	35	-
pH	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)	< 0.40	< 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	0.018	0.089	0.21	0.039	0.049	0.056	0.035	0.039	136	0	-	0.1	-	7.6	-
Total Sulphur	0.15	0.11	0.26	0.48	0.41	0.83	0.030	0.096	136	0	-	0.3	-	3.9	-
Cyanide (Total)	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)	180	15	7.5	47	69	1.9	2.0	47	136	0	-	34.8	-	650	-
Metals															
Aluminium (Total)	13000	4000	6900	3800	4000	1900	7700	5600	136	0	-	7091.9	-	26000	-
Iron (Total)	23000	14000	20000	10000	10000	3800	12000	12000	136	0	-	20180.1	-	62000	-
Arsenic	13	7.2	22	16	11	5.2	3.3	4.2	136	10	37.0	14.4	0.39	96	2.59
Barium	150	89	290	230	180	83	180	61	136	1	1300	258.0	0.20	3100	2.38
Beryllium	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	< 0.10	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	25	5.9	19	9.5	10	2.3	14	8.8	136	0	910	14.0	0.02	62	0.07
Manganese	430	360	330	400	320	48	270	1400	136	0	-	438.7	-	4500	-
Copper	30	14	130	62	29	14	31	11	136	0	2400	49.0	0.02	660	0.28
Mercury	< 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	32	12	34	22	17	7.6	31	10	136	1	130	24.3	0.19	190	1.46
Lead	22	14	45	130	65	6.2	21	15	136	0	200	29.9	0.15	180	0.90
Selenium	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	8.7	40	18	16	5.0	9.1	13	136	0	410	21.6	0.05	75	0.18
Zinc	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	136	0	21	0.5	0.02	0.5	0.02
Organic Matter	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	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	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	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	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	136	0	2400	3.0	0.00	95	0.04
Aliphatic TPH >C16-C21	< 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	< 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	136	0	21	1.5	0.07	74	3.52
Total Aliphatic Hydrocarbons	< 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	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	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	136	0	83	1.0	0.01	1	0.01
Aromatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	6.7	< 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	< 1.0	< 1.0	110	< 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	490	< 1.0	< 1.0	< 1.0	136	0	540	9.9	0.02	690	1.28
Aromatic TPH >C21-C35	< 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	130	< 1.0	< 1.0	< 1.0	136	0	1500	12.5	0.01	1300	0.87
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	2400	2300	< 5.0	< 5.0	< 5.0	136	0	-	115.3	-	7800	-
Total Petroleum Hydrocarbons	< 10	< 10	< 10	2500	2400	< 10	< 10	< 10	136	0	-	239.6	-	21000	-
PAHs															
Naphthalene	< 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	0.40	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	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	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	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	6.3	32	< 0.10	< 0.10	< 0.10	136	0	5400	0.4	0.00	32	0.01
Fluoranthene	0.21	< 0.10	0.22	28	140	< 0.10	< 0.10	< 0.10	136	0	560	1.8	0.00	140	0.25
Pyrene	0.15	< 0.10	0.20	20	90	< 0.10	< 0.10	< 0.10	136	0	1200	1.2	0.00	90	0.08
Benzo[a]anthracene	< 0.10	< 0.10	< 0.10	13	64	< 0.10	< 0.10	< 0.10	136	2	11	0.9	0.08	64	5.82
Chrysene	< 0.10	< 0.10	< 0.10	13	62	< 0.10	< 0.10	< 0.10	136	2	22	0.9	0.04	62	2.82
Benzo[b]fluoranthene	< 0.10	< 0.10	< 0.10	16	74	< 0.10	< 0.10	< 0.10	136	5	3.3	1.0	0.31	74	22.42
Benzo[k]fluoranthene	< 0.10	< 0.10	< 0.10	6.2	27	< 0.10	< 0.10	< 0.10	136	0	93	0.4	0.00	27	0.29
Benzo[a]pyrene	< 0.10	< 0.10	< 0.10	14	55	< 0.10	< 0.10	< 0.10	136	2	5	0.8	0.16	55	11.00
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	9.1	35	< 0.10	< 0.10	< 0.10	136	0	36	0.5	0.01	35	0.97
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	2.1	10	< 0.10	< 0.10	< 0.10	136	5	0.28	0.2	0.74	10	35.71
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	7.8	30	< 0.10	< 0.10	< 0.10	136	0	340	0.4	0.00	30	0.09
Total Of 16 PAH's	< 2.0	< 2.0	< 2.0	180	800	< 2.0	< 2.0	< 2.0	136	0	-	11.1	-	800	-
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	0.36	< 0.10	< 0.10	< 0.10	136	0	-	0.1	-	0.36	-

Key

6.7

APPENDIX J

SUMMARY OF LABORATORY CHEMICAL TEST RESULTS (LEACHATE)

HOOVER factory - soil screening
Residential with plant uptake
2.5%

																																																	22-27116	22-27116	22-27116	22-27116		
Client: Quantum Geotechnic Ltd	22-25583	22-25583	22-25583	22-25583	22-28203	22-28203	22-28203	22-28205	22-28205	22-28205	22-28205	22-28205	22-26488	22-26488	22-26342	22-26342	22-27224	22-27224	22-27224	22-27224	22-27224	22-27110	22-27110	22-27110	22-27110	22-28211	22-28211	22-27108	22-27108	22-27108	22-27108	22-27108	22-27108	22-24548	22-24548	22-24548	22-24553	22-25936	22-25936	22-26915	22-26915	22-27203	22-27203	22-27203	22-27203	22-27023	22-27023	22-27023	22-27023	1470202	1470204	1470206	1470208	22-28706	22-28706
Quotation No.: Q22-27297	1463219	1463220	1463221	1463222	1474931	1474933	1474935	1474963	1474964	1474965	1474958	1474961	1467031	1467033	1466565	1466567	1470716	1470717	1470720	1470723	1470725	1470168	1470170	1470168	1470170	1475018	1475021	1470134	1470135	1470141	1470139	1470140	1470143	1458541	1458543	1458535	1458569	1464894	1464896	1469194	1469195	1470580	1470581	1470583	1470584	1469767	1469769	1469770	1469771	1	3	5	7	1477517	1477518
Order No.:	1	2	3	4	ES1	ES3	ES5	ES1	ES2	ES3	ES1	ES4	1	3	2	4	1	2	5	3	5	1	3	1	3	ES2	ES5	3	6	1	6	8	3	ES2	ES4	ES1	ES1	ES4	ES6	1	2	CP103	CP103	CP103	CP103	1	3	4	5	4	6	21	8	5	1
	WS128	WS128	WS128	WS128	WS129	WS129	WS129	WS130	WS130	WS130	WS131	WS131	WS132	WS132	WS133	WS133	WS134	WS134	WS134	WS135	WS135	WS136	WS136	WS136	WS136	WS137	WS137	TP103	TP103	TP109	TP110	TP110	TP111	TP112	TP112	TP113	TP114	CP102	CP102	CP102	CP102	SOIL	SOIL	SOIL	SOIL	CP104	CP104	CP104	CP104	IBH102	IBH102	IBH102	IBH102	IBH103	IBH103
	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	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	0.2	0.5	1.0	18	0.20	1.00	4.00	0.30	0.60	1.00	0.30	2.50	0.5	2.5	1.0	3.9	0.5	1	5.2	2.5	4.5	0.2	1.0	0.2	1.0	0.50	4.00	1.0	2.5	0.5	2.5	4.0	1.0	0.7	2.1	0.2	0.5	2.50	5.50	0.2	0.5	0.50	1.00	4.00	5.50	0.30	1.00	2.50	4.00	1.2	4.2	7.2	10.2	4.00	0.30
					21-Jul-2022	21-Jul-2022	21-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022		2.7		4.1			5.5	2.7	4.7					19-Jul-2022	19-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022																	2.7	5.7	8.7	11.7		
	04-Jul-2022	04-Jul-2022	04-Jul-2022	04-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	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022									28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	07-Jul-2022	07-Jul-2022	06-Jul-2022	06-Jul-2022	08-Jul-2022	08-Jul-2022	08-Jul-2022	08-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	27-Jul-2022	27-Jul-2022
	DURHAM		DURHAM		COVENTRY	COVENTRY		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	DURHAM	NEW-ASB	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	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	21	8.9	3.6	8.7	8.9	5.8	7.4	10	11	11	9.7	4.5	6.8	13	6.8	11	8.9	5.6	11	15	7.9	9.7	11	9.7	11	15	18	0.78	13	1.2	3.2	7.9	13	12	14	7.0	26	25	7.3	17	8.5	15	14	15	25	14	15	20	9.1	13	5.9	15	12	7.8	6.2
pH	8.7		9.1		8.7	8.3		8.5	8.1	8.0	8.5	8.5	8.5	7.8	9.3	10.1	8.7		8.5	8.1	9.0	8.6	7.8	8.6	7.8	7.6	8.5	8.1	7.6	7.2	8.2	8.2	7.9	8.1	7.7	8.2	7.3	7.2	8.2	7.3	7.5	8.6	8.6	8.5	8.3	9.3	9.1	9.0	8.8	8.2	8.5	8.9	9.0	9.2	9.2
Boron (Hot Water Soluble)	170		3.2		0.47	0.42		< 0.40	1.0	0.65	1.1	1.4	< 0.40	< 0.40	< 0.40	< 0.40	4.3		0.89	0.87	1.3	0.53	0.54	0.53	0.54	< 0.40	< 0.40	0.61	0.62	2.0	< 0.40	2.3	1.4	2.7	2.6	< 0.40	15	< 0.40	< 0.40	0.54	0.47	< 0.40	0.48	< 0.40	0.72	0.58	1.2	1.8	0.49	0.70	0.47	< 0.40	< 0.40	0.97	0.73
Sulphate (2:1 Water Soluble) as SO4	7.6		0.076		0.22	0.32		0.032	0.040	0.048	0.021	0.025	< 0.010	< 0.010	< 0.010	< 0.010	0.24		0.13	0.063	0.66	0.044	0.038	0.044	0.038	< 0.010	0.017	0.020	0.012	< 0.010	0.016	< 0.010	< 0.010	0.31	0.67	0.064	0.058	0.015	< 0.010	< 0.010	< 0.010	0.022	0.017	0.011	0.051	0.021	0.037	0.032	0.026	0.027	0.011	0.058	0.055	< 0.010	0.031
Total Sulphur	1.4		0.087		0.28	0.43		0.12	0.41	0.41	0.19	0.044	0.14	0.60	0.41	0.71	0.29		0.41	0.54	0.74	0.19	0.24	0.19	0.24	0.32	0.010	0.14	0.28	0.19	0.16	0.41	0.18	0.37	0.29	0.39	0.41	0.42	0.028	0.20	0.16	0.33	0.31	0.042	0.056	0.95	1.2	0.24	0.035	0.054	0.022	0.026	0.019	0.13	0.057
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	< 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
Sulphide (Easily Liberatable)	150		5.8		9.7	42		110	110	48	280	5.9	1.1	1.1	1.3	1.1	65		25	15	43	2.5	14	2.5	14	17	1.8	1.5	9.2	20	2.3	19	470	33	40	650	19	6.5	49	120	41	4.2	19	0.82	2.2	26	1.3	1.5	8.0	1.8	1.3	2.2	4.8	13	16
Metals																																																							
Aluminium (Total)	5200		13000		19000	18000		9800	11000	11000	12000	8500	12000	< 100	4800	2900	7800		11000	5700	3200	8300	9200	8300	9200	6200	3300	11000	12000	6900	8400	7300	7000	8700	3700	11000	5700	6300	4300	6500	5800	5500	5300	11000	4700	6800	9400	8500	3100	8300	7600	5700	5700	2800	4500
Iron (Total)	9900		20000		28000	17000		18000	19000	19000	20000	18000	62000	1700	23000	14000	18000		8800	36000	14000	45000	24000	45000	24000	24000	13000	31000	33000	20000	27000	26000	18000	13000	13000	9200	16000	25000	52000	15000	15000	12000	25000	6900	11000	23000	22000	11000	34000	18000	27000	25000	22000	6800	10000
Arsenic	7.1		5.2		8.4	19		3.4	15	18	6.6	3.5	27	21	17	9.5	9.8		5.2	16	5.6	23	13	23	13	13	2.7	24	23	18	20	25	9.0	12	9.9	7.1	6.0	25	7.3	7.8	13	9.8	17	1.4	2.2	39	26	15	4.3	5.6	13	4.8	4.6	2.2	2.1
Barium	89		540		360	550		130	160	140	180	75	320	110	250	130	160		130	130	50	460	140	460	140	190	45	550	590	380	490	330	110	380	140	190	910	250	44	120	370	200	350	190	57	140	160	54	22	35	23	50	64	62	140
Beryllium	0.8		1.6		1.4	1.2		0.8	1.0	0.6	0.7	0.6	0.9	< 0.5	0.6	< 0.5	0.6		1.0	0.5	< 0.5	0.7	< 0.5	0.7	< 0.5	< 0.5	< 0.5	1.1	1.2	0.6	0.9	0.6	< 0.5	0.7	0.6	1.4	0.7	0.6	0.6	0.5	0.7	< 0.5	0.6	0.5	0.6	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5	< 0.5
Cadmium	3.0		0.21		0.15	0.37		< 0.10	0.11	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25		0.30	0.31	< 0.10	< 0.10	0.26	< 0.10	0.26	0.20	< 0.10	< 0.10	< 0.10	0.17	< 0.10	0.44	1.3	0.27	0.22	< 0.10	0.75	0.12	< 0.10	0.44	0.13	0.20	< 0.10	< 0.10	< 0.10	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10	< 0.10
Chromium	62		19		19	29		8.9	13	9.3	13	11	20	10	10	7.1	14		10	11	5.6	17	12	17	12	11	5.6	16	24	9.2	13	13	24	17	7.4	26	26	11	8.6	6.3	9.1	8.4	13	3.4	7.0	9.6	13	5.3	4.8	8.0	7.7	6.8	6.7	6.2	7.0
Manganese	4500		350		2100	1400		860	730	370	490	240	140	280	160	100	480		670	360	300	170	510	170	510	350	500	230	430	320	200	190	340	450	400	1200	200	130	1100	520	340	240	310	54	110	190	21	28	580	290	250	530	640	110	200
Copper	610		49		28	76		9.0	31	23	40	30	43	13	30	15	36		14	34	23	40	50	40	50	37	4.5	55	72	45	44	41	43	150	34	21	660	52	7.8	23	22	21	45	16	7.4	50	18	10	6.5	14	19	14	13	11	20
Mercury	0.20		0.05		< 0.05	0.33		< 0.05	0.28	0.21	0.10	< 0.05	0.07	0.06	0.08	0.06	0.11		< 0.05	0.13	0.05	< 0.05	0.28	< 0.05	0.28	0.14	< 0.05	0.05	0.23	0.12	0.05	0.12	0.17	0.07	0.25	< 0.05	0.08	0.17	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	< 0.05	0.90	< 0.05	< 0.05	< 0.05	0.10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	34		46		36	31		15	23	15	24	28	190	8.5	26	14	19		19	25	20	38	21	38	21	18	9.3	42	39	19	34	28	44	24	12	9.7	31	22	47	14	21	14	23	11	12	11	9.2	5.0	12	9.3	8.9	17	16	5.5	20
Lead	37		26		20	130		15	28	27	48	14	12	8.0	16	12	41		15	39	15	12	43	12	43	40	8.0	20	56	28	31	86	57	72	61	22	180	140	6.7	27	18	20	25	0.54	7.9	47	31	10	5.7	17	7.9	12	11	73	14
Selenium	2.2		0.88		1.0	1.1		0.59	1.5	1.8	0.51	< 0.25	1.6	1.0	0.93	0.53	0.72		0.98	0.56	1.0	0.54	0.59	0.54	0.59	0.66	< 0.25	0.81	1.1	1.2	0.73	0.81	0.46	1.3	0.79	1.4	0.53	1.9	0.47	0.47	0.69	0.60	0.66	0.44	2.1	4.7	0.72	0.33	< 0.25	0.30	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	53		13		32	28		9.5	16	13	14	7.4	42	17	26	11	16		23	17	7.2	35	20	35	20	19	6.1	35	54	18	26	23	12	21	12	56	16	21	13	12	17	16	27	18	8.0	17	21	9.1	6.4	11	9.7	7.2	7.4	6.4	5.2
Zinc	3500		120		84	440		48	60	38	60	57	74	8.8	13	8.6	84		26	80	44	13	84	13	84	61	27	15	50	38	17	69	250	120	69	54	320	49	47	40	25	30	42	< 0.50	24	27	7.3	11	34	41	27	35	32	83	74
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	< 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	7.4		1.2		7.6	14		1.2	14	11	9.0	0.84	17	1.3	3.8	66	22		15	38	36	4.8	16	4.8	16	43	0.93	7.4	22	19	6.0	19	26	21	21	26	33	47	0.47	40	11	22	67	< 0.40	3.5	47	< 0.40	< 0.40	0.52	7.4	0.62	0.84	0.55	3.8	0.88
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	21	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	94	95	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		13	120	120	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		40	280	270	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	62	< 1.0	< 1.0	140	< 1.0	< 1.0	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	740	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 5.0		< 5.0		< 5.0	< 5.0		54	510	520	< 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	62	< 5.0	< 5.0	160	< 5.0	< 5.0	< 5.0	< 5.0	240	< 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	740	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C12-C16	< 1.0		< 1.0		< 1.0	< 1.0		4.2	7.4	7.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C21-C35	< 1.0		< 1.0		< 1.0	< 1.0		370	370	290	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	71	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	63	49	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	< 1.0		< 1.0		< 1.0	< 1.0		73	32	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 Aromatic Hydrocarbons	< 5.0		< 5.0		< 5.0	< 5.0		450	410	330	< 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	71	< 5.0	< 5.0	240	< 5.0	< 5.0	< 5.0	< 5.0	63	49	< 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	55	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	< 10		< 10		< 10	< 10		500	920	850	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	130	< 10	< 10	400	< 10	< 10	< 10	< 10	300	49	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	790	< 10	< 10	< 10	< 10	< 10
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	0.69		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.5	2.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.14		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.85		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.92		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.78	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	0.50		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5		< 0.10	1.8	< 0.10	< 0.10	1.4	< 0.10	1.4	1.3	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	1.0	2.9	1.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.76	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	0.12		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.95		< 0.10	0.44	< 0.10	< 0.10	0.39	< 0.10	0.39	0.32	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	0.19	0.71	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	0.83		< 0.10		< 0.10	0.37		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.50	4.7		< 0.10	3.4	< 0.10	< 0.10	2.1	< 0.10	2.1	1.6	< 0.10	0.34	1.1	< 0.10	0.16	0.31	1.3	2.7	4.1	0.23	0.22	< 0.10	< 0.10	< 0.10	0.18	< 0.10	0.63	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.86	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	0.76		< 0.10		< 0.10	0.29		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.47	3.1		< 0.10	2.3	< 0.10	< 0.10	1.4	< 0.10	1.4	1.2	< 0.10	0.37	1.0	< 0.10	0.14	0.27	1.1	2.0	3.1	0.22	0.22	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.55	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29	2.7		< 0.10	1.5	< 0.10	< 0.10	1.3	< 0.10	1.3	0.84	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	0.68	1.5	2.9	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	2.5		< 0.10	1.4	< 0.10	< 0.10	1.4	< 0.10	1.4	0.85	< 0.10	< 0.10	1.0	< 0.10	< 0.10	< 0.10	0.89	1.7	3.6	< 0.10	0.34	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	0.52		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25	3.1		< 0.10	2.3	< 0.10	< 0.10	1.7	< 0.10	1.7	< 0.10	< 0.10	< 0.10	1.8	< 0.10	< 0.10	< 0.10	1.3	2.4	4.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.91	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	0.19		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	1.2		< 0.10	0.64	< 0.10	< 0.10	0.57	< 0.10	0.57	< 0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10	< 0.10	0.27	0.77	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	0.30		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	2.0		< 0.10	1.4	< 0.10	< 0.10	1.2	< 0.10	1.2	< 0.10	< 0.10	< 0.10	1.3	< 0.10	< 0.10	< 0.10	0.66	1.8	2.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.82	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.68	< 0.10	0.68	< 0.10	< 0.10	< 0.10	0.99	< 0.10	< 0.10	< 0.10	< 0.10	1.2	2.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	0.21	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.68	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.49	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.60	< 0.10	0.60	< 0.10	< 0.10	< 0.10	0.79	< 0.10	< 0.10	< 0.10	< 0.10	1.2	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.69	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	3.8		< 2.0		< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	26		< 2.0	15	< 2.0	< 2.0	13	< 2.0	13	6.0	< 2.0	< 2.0	10	< 2.0	< 2.0	< 2.0	7.4	27	32	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Key

6.7

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	22-27208	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							
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	1460714	1464119	1464119	1460230	1460224	1460226	1460227	1460711	1460714	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	4	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-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			05-Jul-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																																							No. samples	No. of exceedances	TSV	Average (Mean)	Average / TSV	Maximum	Max/ TSV
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	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	< 5.0	< 5.0	< 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	< 1.0	6.7	< 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	< 1.0	110	< 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	< 1.0	490	< 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	< 1.0	130	< 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	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		1.3	1.8	< 0.10	0.21	< 0.10	0.22	0.22	< 0.10	1.3	1.8	< 0.10	0.21	< 0.10	0.22	28	140	< 0.10	< 0.10	< 0.10	136	0	560	1.8	0.00	140	0.25
Pyrene	< 0.10	< 0.10	< 0.10	0.23	0.29	0.75	0.29	0.17	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		1.3	1.4	< 0.10	0.15	< 0.10	0.20	0.20	< 0.10	1.3	1.4	< 0.10	0.15	< 0.10	0.20	20	90	< 0.10	< 0.10	< 0.10	136	0	1200	1.2	0.00	90	0.08
Benzo[a]anthracene	< 0.10	< 0.10	< 0.10	0.26	0.27	0.80	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	1.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	< 0.10	< 0.10	< 0.10	< 0.10	13	64	< 0.10	< 0.10	< 0.10	136	2	11	0.9	0.08	64	5.82
Chrysene	< 0.10	< 0.10	< 0.10	0.23	0.26	0.64	0.27	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	0.97	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.97	< 0.10	< 0.10	< 0.10	< 0.10	13	62	< 0.10	< 0.10	< 0.10	136	2	22	0.9	0.04	62	2.82
Benzo[b]fluoranthene	< 0.10	< 0.10	< 0.10	0.32	0.29	0.93	0.38	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	1.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10	< 0.10	< 0.10	< 0.10	16	74	< 0.10	< 0.10	< 0.10	136	5	3.3	1.0	0.31	74	22.42
Benzo[k]fluoranthene	< 0.10	< 0.10	< 0.10	0.18	0.23	0.65	0.25	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	6.2	27	< 0.10	< 0.10	< 0.10	136	0	93	0.4	0.00	27	0.29
Benzo[a]pyrene	< 0.10	< 0.10	< 0.10	0.22	0.24	0.75	0.24	< 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	14	55	< 0.10	< 0.10	< 0.10	136	2	5	0.8	0.16	55	11.00
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	0.26	0.28	0.81	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	9.1	35	< 0.10	< 0.10	< 0.10	136	0	36	0.5	0.01	35	0.97
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	0.22	0.19	0.64	0.22	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.1	10	< 0.10	< 0.10	< 0.10	136	5	0.28	0.2	0.74	10	35.71
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	0.27	0.24	0.74	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	7.8	30	< 0.10	< 0.10	< 0.10	136	0	340	0.4	0.00	30	0.09
Total Of 16 PAH's	< 2.0	< 2.0	< 2.0	2.4	2.6	7.8	2.8	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0		< 2.0		4.6	8.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	4.6	8.5	< 2.0	< 2.0	< 2.0	< 2.0	180	800	< 2.0	< 2.0	< 2.0	136	0	-	11.1	-	800	-
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10		< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.36	< 0.10	< 0.10	< 0.10	136	0	-	0.1	-	0.36	-

Key

6.7

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	22-30726	22-30726	22-30726	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.:	ample 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	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	23	1	4	2.1	0.5	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	23	3	0.05	1.3	24.4	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	23	2	4.7	1.7	0.4	23.0	4.89
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	9.43
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	23	1	2.54	1.5	0.6	23.0	9.06
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	0.2	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	1.2	28.0	4.98
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	19	0		1.0	-	0.0	-
1,1-Dichloroethane	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	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	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	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	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	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	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	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	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	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	19	0		1.0	-	0.0	-
1,2-Dichloropropane	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	19	0		1.0	-	0.0	-
Dibromomethane	U	1760	µg/l	10	< 10	< 10	< 10		< 10		< 10	< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19	0		10.0	-	0.0	-
Bromodichloromethane	U	1760	µg/l	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	-
cis-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10		< 10		< 10	< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19	0		10.0	-	0.0	-
Toluene	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	19	0		1.0	-	0.0	-
Trans-1,3-Dichloropropene	N	1760	µg/l	10	< 10	< 10	< 10		< 10		< 10	< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19	0		10.0	-	0.0	-
1,1,2-Trichloroethane	U	1760	µg/l	10	< 10	< 10	< 10		< 10		< 10	< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19	0		10.0	-	0.0	-
Tetrachloroethene	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	19	0		1.0	-	0.0	-
1,3-Dichloropropane	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	19	0		2.0	-	0.0	-
Dibromochloromethane	U	1760	µg/l	10	< 10	< 10	< 10		< 10		< 10	< 10		< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	19	0		10.0	-	0.0	-
1,2-Dibromoethane	U	1760	µg/l	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	-
Chlorobenzene	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	19	0		1.0	-	0.0	-
1,1,1,2-Tetrachloroethane	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	19	0		2.0	-	0.0	-
Ethylbenzene	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	19	0		1.0	-	0.0	-
m & p-Xylene	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	19	0		1.0	-	0.0	-
o-Xylene	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	19	0		1.0	-	0.0	-
Styrene	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	19	0		1.0	-	0.0	-
Tribromomethane	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	19	0		1.0	-	0.0	-
Isopropylbenzene	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	19	0		1.0	-	0.0	-
Bromobenzene	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	19	0		1.0	-	0.0	-
1,2,3-Trichloropropane	N	1760	µg/l	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	-
N-Propylbenzene	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	19	0		1.0	-	0.0	-
2-Chlorotoluene	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	19	0		1.0	-	0.0	-
1,3,5-Trimethylbenzene	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	19	0		1.0	-	0.0	-
4-Chlorotoluene	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	19	0		1.0	-	0.0	-
Tert-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	19	0		1.0	-	0.0	-
1,2,4-Trimethylbenzene	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	19	0		1.0	-	0.0	-
Sec-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	19	0		1.0	-	0.0	-
1,3-Dichlorobenzene	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	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	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	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	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	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	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	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	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	< 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	-

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
Quotation No.: Q22-27297	Chemtest Sample ID.:				1474837	1474840	1474841	1475005	1475008	1475000	1475001	1474936	1474938	1470164	1470167	1470560	1470563
Order No.:	Client Sample Ref.:				ES1	ES4	ES5	ES2	ES5	ES2	ES3	ES1	ES3	1	4	2	5
	Sample Location:				WS101	WS101	WS101	WS102	WS102	WS103	WS103	WS105	WS105	WS106	WS106	WS107	WS107
	Sample Type:				SOIL	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
	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
	Date Sampled:													14-Jul-2022	14-Jul-2022	15-Jul-2022	15-Jul-2022
	Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	DURHAM	DURHAM	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD													
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	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
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
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	8.8	0.64	0.54
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
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
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
Sulphide (Easily Liberatable)	N	2325	mg/kg	0.50	1.1	0.95	0.97	1.1	1.1	1.2	1.1	22	79	4.9	2.0	28	4.4
Metals																	
Aluminium (Total)	N	2430	mg/kg	100	2300	11000	8700	12000	3100	2800	5100	9200	13000	6300	8900	3100	6100
Iron (Total)	N	2430	mg/kg	100	24000	6000	13000	21000	12000	16000	12000	28000	25000	23000	19000	32000	28000
Arsenic	U	2455	mg/kg	0.5	19	2.8	18	23	3.8	96	9.7	29	21	16	18	14	44
Barium	U	2455	mg/kg	0	220	650	260	740	66	110	240	670	3100	150	58	110	580
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
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
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
Manganese	U	2455	mg/kg	1.0	490	230	690	350	160	49	150	460	610	200	120	470	300
Copper	U	2455	mg/kg	0.50	46	13	17	45	11	40	17	71	67	28	28	39	63
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
Nickel	U	2455	mg/kg	0.50	19	13	49	35	13	5.4	7.8	64	63	16	8.9	18	46
Lead	U	2455	mg/kg	0.50	29	4.1	18	33	8.4	33	9.5	43	14	31	21	41	3.3
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
Vanadium	U	2455	mg/kg	0.5	68	16	24	40	6.4	8.1	21	40	66	14	12	75	61
Zinc	U	2455	mg/kg	0.50	45	9.6	64	29	27	15	6.0	260	15	57	37	28	8.6
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12	< 1.0	< 1.0
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	140	< 1.0	< 1.0	< 1.0	< 1.0	190	< 1.0	< 1.0	< 1.0	< 1.0	8.8	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	140	< 5.0	< 5.0	< 5.0	< 5.0	190	< 5.0	< 5.0	< 5.0	< 5.0	20	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	270	< 10	< 10	< 10	< 10	350	< 10	< 10	< 10	< 10	20	< 10	< 10
PAHs																	
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.93	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.74	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	0.49	< 0.10	< 0.10	0.90	< 0.10	0.33	< 0.10	< 0.10	< 0.10	0.54	< 0.10	0.15	< 0.10
Pyrene	U	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	0.61	< 0.10	0.19	< 0.10	< 0.10	< 0.10	0.52	< 0.10	0.14	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.58	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.41	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.72	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.62	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	1.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.40	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.83	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	6.6	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	< 2.0	< 2.0	< 2.0
Total Phenols	U	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1463196	1464118	1464117	1475012	1475014	1475016	1474843	1474844	1474845	1477523	1463226	1464121	1477521
Client Sample Ref.:	2	4	7	ES1	ES3	ES5	ES2	ES3	ES4	5	5	2	1
Sample Location:	WS108	WS108	WS108	WS109	WS109	WS109	WS110	WS110	WS110	WS111	WS112	WS112	WS113
Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Top Depth (m):	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
Bottom Depth (m):		2.1	3.5	20-Jul-2022	20-Jul-2022	20-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.2		
Date Sampled:	04-Jul-2022	05-Jul-2022	05-Jul-2022							27-Jul-2022	04-Jul-2022	05-Jul-2022	27-Jul-2022
Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand													
ACM Type	Insulation	-	-	-	-	-		-	-	-	-	-	-
Asbestos Identification	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
Inorganics													
Moisture	15	35	20	13	19	20	9.1	4.1	24	19	13	19	17
pH	8.8	6.8	7.4	8.3	7.3	7.6		8.1	7.7	8.5	8.8	7.5	9.1
Boron (Hot Water Soluble)	0.78	0.84	< 0.40	< 0.40	< 0.40	< 0.40		0.72	0.96	0.40	22	56	< 0.40
Sulphate (2:1 Water Soluble) as SO4	0.041	0.040	0.057	0.014	0.031	0.016		0.036	0.014	< 0.010	0.062	0.13	0.012
Total Sulphur	0.34	0.36	0.039	0.52	0.61	0.044		0.058	0.17	0.068	0.56	0.60	0.094
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
Sulphide (Easily Liberatable)	62	1.9	5.0	32	23	9.3		0.95	0.53	13	14	42	13
Metals													
Aluminium (Total)	8600	7400	5000	2900	2500	3600		6900	2400	3700	9600	5000	8200
Iron (Total)	22000	19000	18000	28000	30000	18000		13000	9000	18000	26000	14000	14000
Arsenic	25	21	6.9	11	10	4.2		3.2	5.5	4.6	58	16	21
Barium	720	320	85	130	170	54		180	88	60	700	210	1100
Beryllium	1.6	0.8	0.6	< 0.5	< 0.5	< 0.5		0.7	< 0.5	< 0.5	0.7	0.6	1.5
Cadmium	5.3	0.20	0.10	0.14	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	0.83	0.62	< 0.10
Chromium	47	16	11	23	16	5.6		12	5.5	5.8	18	11	11
Manganese	490	340	890	360	210	530		280	350	520	96	240	230
Copper	300	120	12	240	590	18		30	18	15	32	88	34
Mercury	0.69	0.11	< 0.05	0.10	0.05	< 0.05		< 0.05	0.06	< 0.05	2.0	0.09	< 0.05
Nickel	49	36	17	19	21	13		32	14	18	16	25	39
Lead	170	57	15	39	17	12		20	13	10	32	36	3.4
Selenium	1.4	0.91	0.66	0.73	0.79	< 0.25		0.40	0.46	0.27	4.5	0.70	0.97
Vanadium	50	33	12	39	30	6.8		9.2	9.3	8.0	23	23	29
Zinc	280	64	71	67	24	33		75	21	39	130	44	11
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
Organic Matter	34	67	2.1	62	93	4.5		1.1	17	7.8	8.1	14	0.90
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
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
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
Aliphatic TPH >C10-C12	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	68	< 1.0
Aliphatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	88	< 1.0
Aliphatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	5.7	6.7	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	3700	< 1.0
Aliphatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	63	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	9100	< 1.0
Aliphatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	74	< 1.0
Total Aliphatic Hydrocarbons	< 5.0	< 5.0	< 5.0	68	140	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	13000	< 5.0
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
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
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
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
Aromatic TPH >C12-C16	< 1.0	< 1.0	< 1.0	3.3	3.8	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	63	< 1.0
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	5.9	8.3	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	690	< 1.0
Aromatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	97	140	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	5700	< 1.0
Aromatic TPH >C35-C44	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	1300	< 1.0
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	110	150	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0	7800	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	170	290	< 10		< 10	< 10	< 10	< 10	21000	< 10
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
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
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
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
Phenanthrene	0.77	< 0.10	< 0.10	1.7	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	0.15	< 0.10	< 0.10	0.23	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	0.45	0.39	< 0.10	0.65	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.29	< 0.10
Pyrene	0.48	0.38	< 0.10	0.55	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.66	< 0.10
Benzo[a]anthracene	0.38	0.31	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	0.47	0.77	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	0.53	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	3.9	< 2.0	< 2.0	3.2	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1477522	1464001	1463192	1463194	1464001	1474925	1474926	1474920	1474921	1474923	1463190	1464002	1470571
Client Sample Ref.:	2	ES	1	3	ES	ES2	ES3	ES1	ES2	ES2	2	ES	2
Sample Location:	WS113	5	WS114	WS114	5	WS116	WS116	WS117	WS117	WS118	WS119	4	WS120
Sample Type:	SOIL	WS114	SOIL	SOIL	WS114	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WS119	SOIL
Top Depth (m):	1.80	SOIL	0.20	1.00	SOIL	1.00	2.50	0.50	1.00	1.00	0.50	SOIL	1.00
Bottom Depth (m):	2.00	3.00			3.00	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022	19-Jul-2022		2.50	
Date Sampled:	27-Jul-2022	05-Jul-2022	04-Jul-2022	04-Jul-2022	05-Jul-2022						04-Jul-2022	05-Jul-2022	15-Jul-2022
Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	COVENTRY
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
Inorganics													
Moisture	10	18	13	11	18	14	11	13	6.8	12	4.7	2.8	1.6
pH	8.6	8.0	8.9	8.7	8.0	5.7	7.3	8.9		8.6	9.1	9.0	9.8
Boron (Hot Water Soluble)	< 0.40	2.6	1.4	1.3	2.6	8.1	1.1	1.1		1.4	1.1	1.2	0.50
Sulphate (2:1 Water Soluble) as SO4	0.015	0.17	0.079	0.11	0.17	0.080	0.094	0.030		0.037	0.055	0.044	0.13
Total Sulphur	0.045	0.92	0.73	0.76	0.92	3.9	0.067	0.58		0.63	0.089	0.039	1.0
Cyanide (Total)	< 0.50	< 0.50	1.2	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	1.0	< 0.50
Sulphide (Easily Liberatable)	12	21	29	3.7	21	3.8	70	390		93	25	1.9	1.5
Metals													
Aluminium (Total)	3500	6800	7100	8800	6800	24000	4300	15000		11000	7100	11000	24000
Iron (Total)	19000	30000	21000	19000	30000	29000	17000	26000		24000	14000	21000	4500
Arsenic	5.3	5.6	76	55	5.6	96	4.7	20		15	6.4	4.5	0.9
Barium	78	68	260	210	68	86	120	180		130	140	48	430
Beryllium	< 0.5	0.6	1.3	0.6	0.6	0.6	< 0.5	0.9		0.6	1.1	0.5	2.3
Cadmium	< 0.10	0.24	0.20	0.32	0.24	0.23	< 0.10	0.20		< 0.10	0.13	0.15	< 0.10
Chromium	6.6	37	16	16	37	14	11	16		10	13	28	22
Manganese	580	420	310	66	420	100	150	680		460	270	480	3200
Copper	16	33	83	22	33	22	30	48		36	37	19	2.5
Mercury	< 0.05	0.10	0.47	0.34	0.10	< 0.05	0.07	0.11		0.09	0.05	0.06	< 0.05
Nickel	19	29	22	14	29	8.2	18	23		16	35	25	3.1
Lead	11	35	57	48	35	100	33	47		22	27	21	1.7
Selenium	0.31	0.84	2.2	4.7	0.84	1.3	0.45	1.3		1.1	0.64	0.57	1.4
Vanadium	8.9	42	28	26	42	24	11	19		13	10	31	47
Zinc	42	73	65	48	73	40	120	110		82	87	51	7.0
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
Organic Matter	5.9	50	12	1.9	50	< 0.40	3.3	4.8		6.2	1.7	1.0	1.5
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
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
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
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
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
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
Aliphatic TPH >C21-C35	< 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	< 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	< 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	< 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	< 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	< 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	< 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 >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
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
Aromatic TPH >C21-C35	< 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 >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
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0		< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10
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
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
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
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
Phenanthrene	< 0.10	3.3	< 0.10	< 0.10	3.3	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	< 0.10	0.34	< 0.10	< 0.10	0.34	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	< 0.10	1.5	< 0.10	< 0.10	1.5	< 0.10	< 0.10	< 0.10		0.27	< 0.10	< 0.10	0.14
Pyrene	< 0.10	1.1	< 0.10	< 0.10	1.1	< 0.10	< 0.10	< 0.10		0.21	< 0.10	< 0.10	0.13
Benzo[a]anthracene	< 0.10	0.92	< 0.10	< 0.10	0.92	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	< 0.10	1.5	< 0.10	< 0.10	1.5	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	< 0.10	1.3	< 0.10	< 0.10	1.3	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	< 0.10	0.42	< 0.10	< 0.10	0.42	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	< 0.10	0.75	< 0.10	< 0.10	0.75	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	0.53	< 0.10	< 0.10	0.53	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	0.20	< 0.10	< 0.10	0.20	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	0.47	< 0.10	< 0.10	0.47	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	< 2.0	12	< 2.0	< 2.0	12	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10

Chemtest Job No.:	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
Chemtest Sample ID.:	1470568	1470569	1474214	1474216	1474219	1474221	1474223	1474224	1477519	1477520	1467037	1467038	1467039
Client Sample Ref.:	4	5	1	3	1	3	2	3	1	3	1	2	3
Sample Location:	WS121	WS121	WS122	WS122	WS123	WS123	WS124	WS124	WS125	WS125	WS126	WS126	WS126
Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Top Depth (m):	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):	3.40	4.20						1.30					
Date Sampled:	15-Jul-2022	15-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:	COVENTRY	COVENTRY	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB
Determinand													
ACM Type	-	-	Fibres/Clumps	-	-	-	-	-	-	-	-	-	-
Asbestos Identification	No Asbestos Detected	No Asbestos Detected	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
Inorganics													
Moisture	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	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)	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	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	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)	< 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)	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)	1200	1900	2500	4900	5400	2300	2300	26000	1300	4500	9900	14000	2900
Iron (Total)	17000	5200	14000	15000	15000	12000	7500	17000	6700	18000	29000	20000	5500
Arsenic	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	39	53	1200	210	820	90	52	400	640	75	86	150	15
Beryllium	< 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	< 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	8.0	2.8	8.6	7.2	11	4.9	1.8	34	4.7	7.0	14	12	2.9
Manganese	83	100	< 1.0	440	1300	400	160	< 1.0	760	650	760	570	52
Copper	24	18	14	39	23	37	24	26	8.1	18	17	22	6.6
Mercury	< 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	80	22	12	29	22	46	17	11	7.0	21	12	19	8.4
Lead	5.1	5.4	13	74	25	15	10	39	38	13	51	26	2.9
Selenium	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	21	12	7.9	13	9.1	6.7	3.5	66	6.0	9.7	20	15	1.8
Zinc	70	12	36	93	62	81	39	71	43	46	77	52	15
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
Organic Matter	19	16	12	45	5.5	22	16	22	5.5	26	4.8	24	3.8
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
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
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
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
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
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
Aliphatic TPH >C21-C35	< 1.0	< 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	< 1.0	< 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	< 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	< 1.0	< 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	< 1.0	< 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	< 1.0	< 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	< 1.0	< 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 >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
Aromatic TPH >C16-C21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0	8.5	< 1.0
Aromatic TPH >C21-C35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	37	< 1.0	< 1.0	< 1.0	74	< 1.0
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
Total Aromatic Hydrocarbons	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	41	< 5.0	< 5.0	< 5.0	82	< 5.0
Total Petroleum Hydrocarbons	< 10	< 10	< 10	< 10	< 10	< 10	< 10	41	< 10	< 10	< 10	82	< 10
PAHs													
Naphthalene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.52	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.30	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.45	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.7	0.59	1.1	< 0.10	3.7	< 0.10
Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	0.33	< 0.10	< 0.10	1.1	< 0.10
Fluoranthene	0.47	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	11	0.99	0.61	2.4	4.9	< 0.10
Pyrene	0.44	0.33	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.6	0.59	0.60	2.0	3.3	< 0.10
Benzo[a]anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.0	< 0.10	0.34	< 0.10	2.4	< 0.10
Chrysene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.4	< 0.10	0.45	< 0.10	2.2	< 0.10
Benzo[b]fluoranthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	8.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.0	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	6.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	56	2.5	3.1	4.4	18	< 2.0
Total Phenols	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Key

6.7	Exceedance of Screening Value
	Average or Maximum concentration below screening value
	Average or Maximum concentration above screening value

HOOVER factory - soil screening
Residential with plant uptake
2.5%

																																																	22-27116	22-27116	22-27116	22-27116		
Client: Quantum Geotechnic Ltd	22-25583	22-25583	22-25583	22-25583	22-28203	22-28203	22-28203	22-28205	22-28205	22-28205	22-28205	22-28205	22-26488	22-26488	22-26342	22-26342	22-27224	22-27224	22-27224	22-27224	22-27224	22-27110	22-27110	22-27110	22-27110	22-28211	22-28211	22-27108	22-27108	22-27108	22-27108	22-27108	22-27108	22-24548	22-24548	22-24548	22-24553	22-25936	22-25936	22-26915	22-26915	22-27203	22-27203	22-27203	22-27203	22-27023	22-27023	22-27023	22-27023	1470202	1470204	1470206	1470208	22-28706	22-28706
Quotation No.: Q22-27297	1463219	1463220	1463221	1463222	1474931	1474933	1474935	1474963	1474964	1474965	1474958	1474961	1467031	1467033	1466565	1466567	1470716	1470717	1470720	1470723	1470725	1470168	1470170	1470168	1470170	1475018	1475021	1470134	1470135	1470141	1470139	1470140	1470143	1458541	1458543	1458535	1458569	1464894	1464896	1469194	1469195	1470580	1470581	1470583	1470584	1469767	1469769	1469770	1469771	1	3	5	7	1477517	1477518
Order No.:	1	2	3	4	ES1	ES3	ES5	ES1	ES2	ES3	ES1	ES4	1	3	2	4	1	2	5	3	5	1	3	1	3	ES2	ES5	3	6	1	6	8	3	ES2	ES4	ES1	ES1	ES4	ES6	1	2	CP103	CP103	CP103	CP103	1	3	4	5	4	6	21	8	5	1
	WS128	WS128	WS128	WS128	WS129	WS129	WS129	WS130	WS130	WS130	WS131	WS131	WS132	WS132	WS133	WS133	WS134	WS134	WS134	WS135	WS135	WS136	WS136	WS136	WS136	WS137	WS137	TP103	TP103	TP109	TP110	TP110	TP111	TP112	TP112	TP113	TP114	CP102	CP102	CP102	CP102	SOIL	SOIL	SOIL	SOIL	CP104	CP104	CP104	CP104	IBH102	IBH102	IBH102	IBH102	IBH103	IBH103
	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	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	0.2	0.5	1.0	18	0.20	1.00	4.00	0.30	0.60	1.00	0.30	2.50	0.5	2.5	1.0	3.9	0.5	1	5.2	2.5	4.5	0.2	1.0	0.2	1.0	0.50	4.00	1.0	2.5	0.5	2.5	4.0	1.0	0.7	2.1	0.2	0.5	2.50	5.50	0.2	0.5	0.50	1.00	4.00	5.50	0.30	1.00	2.50	4.00	1.2	4.2	7.2	10.2	4.00	0.30
					21-Jul-2022	21-Jul-2022	21-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022	20-Jul-2022		2.7		4.1			5.5	2.7	4.7					19-Jul-2022	19-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022	13-Jul-2022																	2.7	5.7	8.7	11.7		
	04-Jul-2022	04-Jul-2022	04-Jul-2022	04-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	14-Jul-2022	14-Jul-2022	14-Jul-2022	14-Jul-2022									28-Jun-2022	28-Jun-2022	28-Jun-2022	28-Jun-2022	07-Jul-2022	07-Jul-2022	06-Jul-2022	06-Jul-2022	08-Jul-2022	08-Jul-2022	08-Jul-2022	08-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	27-Jul-2022	27-Jul-2022
	DURHAM		DURHAM		COVENTRY	COVENTRY		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	COVENTRY	COVENTRY	COVENTRY	NEW-ASB	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	NEW-ASB	DURHAM	NEW-ASB	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	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	21	8.9	3.6	8.7	8.9	5.8	7.4	10	11	11	9.7	4.5	6.8	13	6.8	11	8.9	5.6	11	15	7.9	9.7	11	9.7	11	15	18	0.78	13	1.2	3.2	7.9	13	12	14	7.0	26	25	7.3	17	8.5	15	14	15	25	14	15	20	9.1	13	5.9	15	12	7.8	6.2
pH	8.7		9.1		8.7	8.3		8.5	8.1	8.0	8.5	8.5	8.5	7.8	9.3	10.1	8.7		8.5	8.1	9.0	8.6	7.8	8.6	7.8	7.6	8.5	8.1	7.6	7.2	8.2	8.2	7.9	8.1	7.7	8.2	7.3	7.2	8.2	7.3	7.5	8.6	8.6	8.5	8.3	9.3	9.1	9.0	8.8	8.2	8.5	8.9	9.0	9.2	9.2
Boron (Hot Water Soluble)	170		3.2		0.47	0.42		< 0.40	1.0	0.65	1.1	1.4	< 0.40	< 0.40	< 0.40	< 0.40	4.3		0.89	0.87	1.3	0.53	0.54	0.53	0.54	< 0.40	< 0.40	0.61	0.62	2.0	< 0.40	2.3	1.4	2.7	2.6	< 0.40	15	< 0.40	< 0.40	0.54	0.47	< 0.40	0.48	< 0.40	0.72	0.58	1.2	1.8	0.49	0.70	0.47	< 0.40	< 0.40	0.97	0.73
Sulphate (2:1 Water Soluble) as SO4	7.6		0.076		0.22	0.32		0.032	0.040	0.048	0.021	0.025	< 0.010	< 0.010	< 0.010	< 0.010	0.24		0.13	0.063	0.66	0.044	0.038	0.044	0.038	< 0.010	0.017	0.020	0.012	< 0.010	0.016	< 0.010	< 0.010	0.31	0.67	0.064	0.058	0.015	< 0.010	< 0.010	< 0.010	0.022	0.017	0.011	0.051	0.021	0.037	0.032	0.026	0.027	0.011	0.058	0.055	< 0.010	0.031
Total Sulphur	1.4		0.087		0.28	0.43		0.12	0.41	0.41	0.19	0.044	0.14	0.60	0.41	0.71	0.29		0.41	0.54	0.74	0.19	0.24	0.19	0.24	0.32	0.010	0.14	0.28	0.19	0.16	0.41	0.18	0.37	0.29	0.39	0.41	0.42	0.028	0.20	0.16	0.33	0.31	0.042	0.056	0.95	1.2	0.24	0.035	0.054	0.022	0.026	0.019	0.13	0.057
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	< 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
Sulphide (Easily Liberatable)	150		5.8		9.7	42		110	110	48	280	5.9	1.1	1.1	1.3	1.1	65		25	15	43	2.5	14	2.5	14	17	1.8	1.5	9.2	20	2.3	19	470	33	40	650	19	6.5	49	120	41	4.2	19	0.82	2.2	26	1.3	1.5	8.0	1.8	1.3	2.2	4.8	13	16
Metals																																																							
Aluminium (Total)	5200		13000		19000	18000		9800	11000	11000	12000	8500	12000	< 100	4800	2900	7800		11000	5700	3200	8300	9200	8300	9200	6200	3300	11000	12000	6900	8400	7300	7000	8700	3700	11000	5700	6300	4300	6500	5800	5500	5300	11000	4700	6800	9400	8500	3100	8300	7600	5700	5700	2800	4500
Iron (Total)	9900		20000		28000	17000		18000	19000	19000	20000	18000	62000	1700	23000	14000	18000		8800	36000	14000	45000	24000	45000	24000	24000	13000	31000	33000	20000	27000	26000	18000	13000	13000	9200	16000	25000	52000	15000	15000	12000	25000	6900	11000	23000	22000	11000	34000	18000	27000	25000	22000	6800	10000
Arsenic	7.1		5.2		8.4	19		3.4	15	18	6.6	3.5	27	21	17	9.5	9.8		5.2	16	5.6	23	13	23	13	13	2.7	24	23	18	20	25	9.0	12	9.9	7.1	6.0	25	7.3	7.8	13	9.8	17	1.4	2.2	39	26	15	4.3	5.6	13	4.8	4.6	2.2	2.1
Barium	89		540		360	550		130	160	140	180	75	320	110	250	130	160		130	130	50	460	140	460	140	190	45	550	590	380	490	330	110	380	140	190	910	250	44	120	370	200	350	190	57	140	160	54	22	35	23	50	64	62	140
Beryllium	0.8		1.6		1.4	1.2		0.8	1.0	0.6	0.7	0.6	0.9	< 0.5	0.6	< 0.5	0.6		1.0	0.5	< 0.5	0.7	< 0.5	0.7	< 0.5	< 0.5	< 0.5	1.1	1.2	0.6	0.9	0.6	< 0.5	0.7	0.6	1.4	0.7	0.6	0.6	0.5	0.7	< 0.5	0.6	0.5	0.6	2.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5	< 0.5
Cadmium	3.0		0.21		0.15	0.37		< 0.10	0.11	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25		0.30	0.31	< 0.10	< 0.10	0.26	< 0.10	0.26	0.20	< 0.10	< 0.10	< 0.10	0.17	< 0.10	0.44	1.3	0.27	0.22	< 0.10	0.75	0.12	< 0.10	0.44	0.13	0.20	< 0.10	< 0.10	< 0.10	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10	< 0.10
Chromium	62		19		19	29		8.9	13	9.3	13	11	20	10	10	7.1	14		10	11	5.6	17	12	17	12	11	5.6	16	24	9.2	13	13	24	17	7.4	26	26	11	8.6	6.3	9.1	8.4	13	3.4	7.0	9.6	13	5.3	4.8	8.0	7.7	6.8	6.7	6.2	7.0
Manganese	4500		350		2100	1400		860	730	370	490	240	140	280	160	100	480		670	360	300	170	510	170	510	350	500	230	430	320	200	190	340	450	400	1200	200	130	1100	520	340	240	310	54	110	190	21	28	580	290	250	530	640	110	200
Copper	610		49		28	76		9.0	31	23	40	30	43	13	30	15	36		14	34	23	40	50	40	50	37	4.5	55	72	45	44	41	43	150	34	21	660	52	7.8	23	22	21	45	16	7.4	50	18	10	6.5	14	19	14	13	11	20
Mercury	0.20		0.05		< 0.05	0.33		< 0.05	0.28	0.21	0.10	< 0.05	0.07	0.06	0.08	0.06	0.11		< 0.05	0.13	0.05	< 0.05	0.28	< 0.05	0.28	0.14	< 0.05	0.05	0.23	0.12	0.05	0.12	0.17	0.07	0.25	< 0.05	0.08	0.17	< 0.05	< 0.05	< 0.05	< 0.05	0.08	< 0.05	< 0.05	0.90	< 0.05	< 0.05	< 0.05	0.10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	34		46		36	31		15	23	15	24	28	190	8.5	26	14	19		19	25	20	38	21	38	21	18	9.3	42	39	19	34	28	44	24	12	9.7	31	22	47	14	21	14	23	11	12	11	9.2	5.0	12	9.3	8.9	17	16	5.5	20
Lead	37		26		20	130		15	28	27	48	14	12	8.0	16	12	41		15	39	15	12	43	12	43	40	8.0	20	56	28	31	86	57	72	61	22	180	140	6.7	27	18	20	25	0.54	7.9	47	31	10	5.7	17	7.9	12	11	73	14
Selenium	2.2		0.88		1.0	1.1		0.59	1.5	1.8	0.51	< 0.25	1.6	1.0	0.93	0.53	0.72		0.98	0.56	1.0	0.54	0.59	0.54	0.59	0.66	< 0.25	0.81	1.1	1.2	0.73	0.81	0.46	1.3	0.79	1.4	0.53	1.9	0.47	0.47	0.69	0.60	0.66	0.44	2.1	4.7	0.72	0.33	< 0.25	0.30	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Vanadium	53		13		32	28		9.5	16	13	14	7.4	42	17	26	11	16		23	17	7.2	35	20	35	20	19	6.1	35	54	18	26	23	12	21	12	56	16	21	13	12	17	16	27	18	8.0	17	21	9.1	6.4	11	9.7	7.2	7.4	6.4	5.2
Zinc	3500		120		84	440		48	60	38	60	57	74	8.8	13	8.6	84		26	80	44	13	84	13	84	61	27	15	50	38	17	69	250	120	69	54	320	49	47	40	25	30	42	< 0.50	24	27	7.3	11	34	41	27	35	32	83	74
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	< 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	7.4		1.2		7.6	14		1.2	14	11	9.0	0.84	17	1.3	3.8	66	22		15	38	36	4.8	16	4.8	16	43	0.93	7.4	22	19	6.0	19	26	21	21	26	33	47	0.47	40	11	22	67	< 0.40	3.5	47	< 0.40	< 0.40	0.52	7.4	0.62	0.84	0.55	3.8	0.88
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	21	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	94	95	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		13	120	120	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		40	280	270	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	62	< 1.0	< 1.0	140	< 1.0	< 1.0	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	740	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 5.0		< 5.0		< 5.0	< 5.0		54	510	520	< 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	62	< 5.0	< 5.0	160	< 5.0	< 5.0	< 5.0	< 5.0	240	< 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	740	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		< 1.0		< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C12-C16	< 1.0		< 1.0		< 1.0	< 1.0		4.2	7.4	7.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 >C21-C35	< 1.0		< 1.0		< 1.0	< 1.0		370	370	290	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	71	< 1.0	< 1.0	240	< 1.0	< 1.0	< 1.0	< 1.0	63	49	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	< 1.0		< 1.0		< 1.0	< 1.0		73	32	30	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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 Aromatic Hydrocarbons	< 5.0		< 5.0		< 5.0	< 5.0		450	410	330	< 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	71	< 5.0	< 5.0	240	< 5.0	< 5.0	< 5.0	< 5.0	63	49	< 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	55	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	< 10		< 10		< 10	< 10		500	920	850	< 10	< 10	< 10	< 10	< 10	< 10	< 10		< 10	< 10	< 10	< 10	< 10	< 10	< 10	130	< 10	< 10	400	< 10	< 10	< 10	< 10	300	49	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	790	< 10	< 10	< 10	< 10	< 10
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	0.69		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	5.5	2.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.14		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.23	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.85		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
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	0.92		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.78	0.16	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	0.50		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5		< 0.10	1.8	< 0.10	< 0.10	1.4	< 0.10	1.4	1.3	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	1.0	2.9	1.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.76	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.46	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	0.12		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.95		< 0.10	0.44	< 0.10	< 0.10	0.39	< 0.10	0.39	0.32	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	0.19	0.71	0.48	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	0.83		< 0.10		< 0.10	0.37		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.50	4.7		< 0.10	3.4	< 0.10	< 0.10	2.1	< 0.10	2.1	1.6	< 0.10	0.34	1.1	< 0.10	0.16	0.31	1.3	2.7	4.1	0.23	0.22	< 0.10	< 0.10	< 0.10	0.18	< 0.10	0.63	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.86	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	0.76		< 0.10		< 0.10	0.29		< 0.10	< 0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	0.47	3.1		< 0.10	2.3	< 0.10	< 0.10	1.4	< 0.10	1.4	1.2	< 0.10	0.37	1.0	< 0.10	0.14	0.27	1.1	2.0	3.1	0.22	0.22	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.55	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29	2.7		< 0.10	1.5	< 0.10	< 0.10	1.3	< 0.10	1.3	0.84	< 0.10	< 0.10	0.84	< 0.10	< 0.10	< 0.10	0.68	1.5	2.9	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	0.31		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	2.5		< 0.10	1.4	< 0.10	< 0.10	1.4	< 0.10	1.4	0.85	< 0.10	< 0.10	1.0	< 0.10	< 0.10	< 0.10	0.89	1.7	3.6	< 0.10	0.34	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.77	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	0.52		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25	3.1		< 0.10	2.3	< 0.10	< 0.10	1.7	< 0.10	1.7	< 0.10	< 0.10	< 0.10	1.8	< 0.10	< 0.10	< 0.10	1.3	2.4	4.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.91	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	0.19		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.19	1.2		< 0.10	0.64	< 0.10	< 0.10	0.57	< 0.10	0.57	< 0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10	< 0.10	0.27	0.77	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.61	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	0.30		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	2.0		< 0.10	1.4	< 0.10	< 0.10	1.2	< 0.10	1.2	< 0.10	< 0.10	< 0.10	1.3	< 0.10	< 0.10	< 0.10	0.66	1.8	2.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.82	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.68	< 0.10	0.68	< 0.10	< 0.10	< 0.10	0.99	< 0.10	< 0.10	< 0.10	< 0.10	1.2	2.5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.21	< 0.10	0.21	< 0.10	< 0.10	< 0.10	0.21	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.68	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.49	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	0.60	< 0.10	0.60	< 0.10	< 0.10	< 0.10	0.79	< 0.10	< 0.10	< 0.10	< 0.10	1.2	1.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.69	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	3.8		< 2.0		< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.2	26		< 2.0	15	< 2.0	< 2.0	13	< 2.0	13	6.0	< 2.0	< 2.0	10	< 2.0	< 2.0	< 2.0	7.4	27	32	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Total Phenols	< 0.10		< 0.10		< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Key

6.7

FIGURES

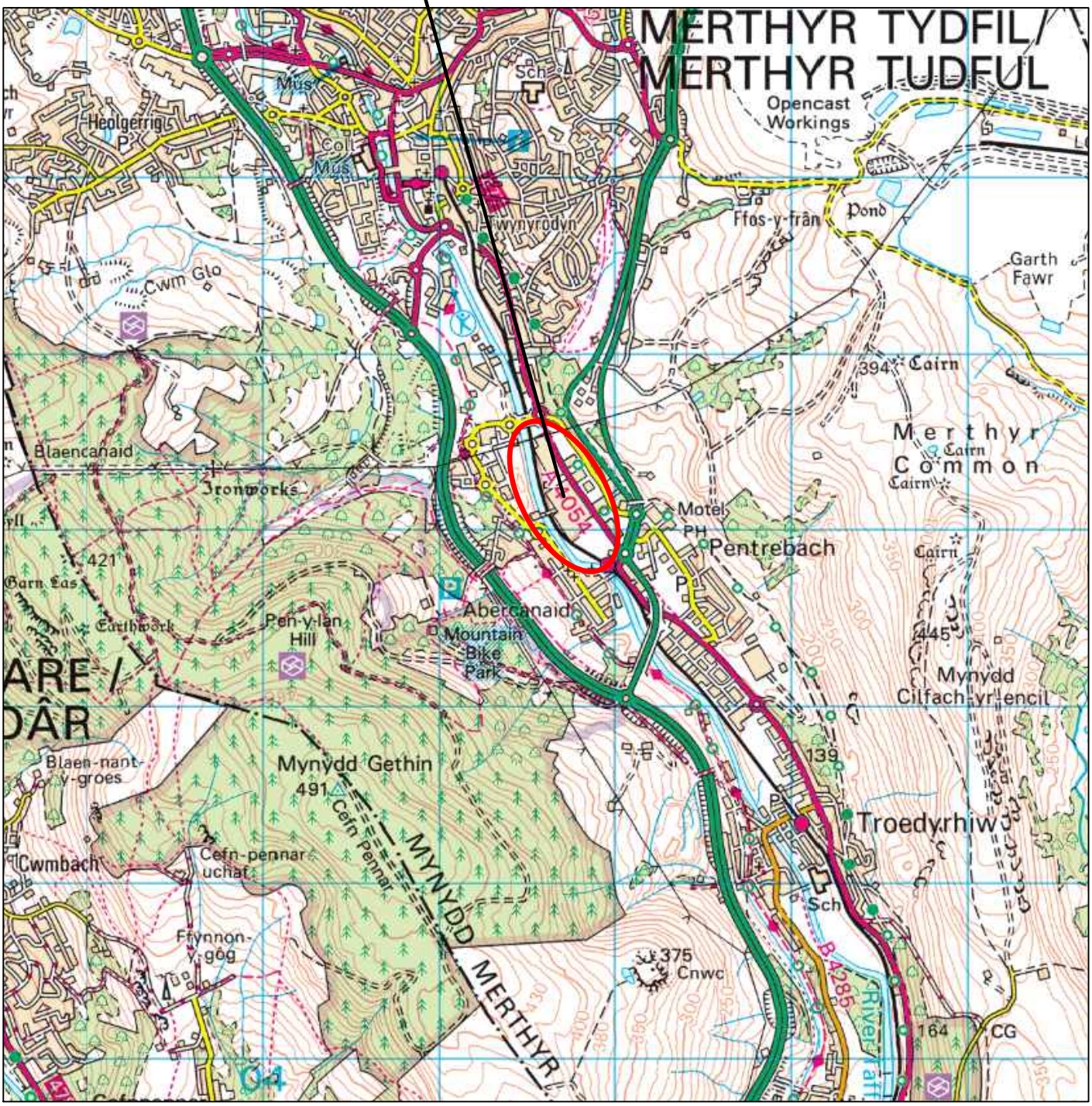
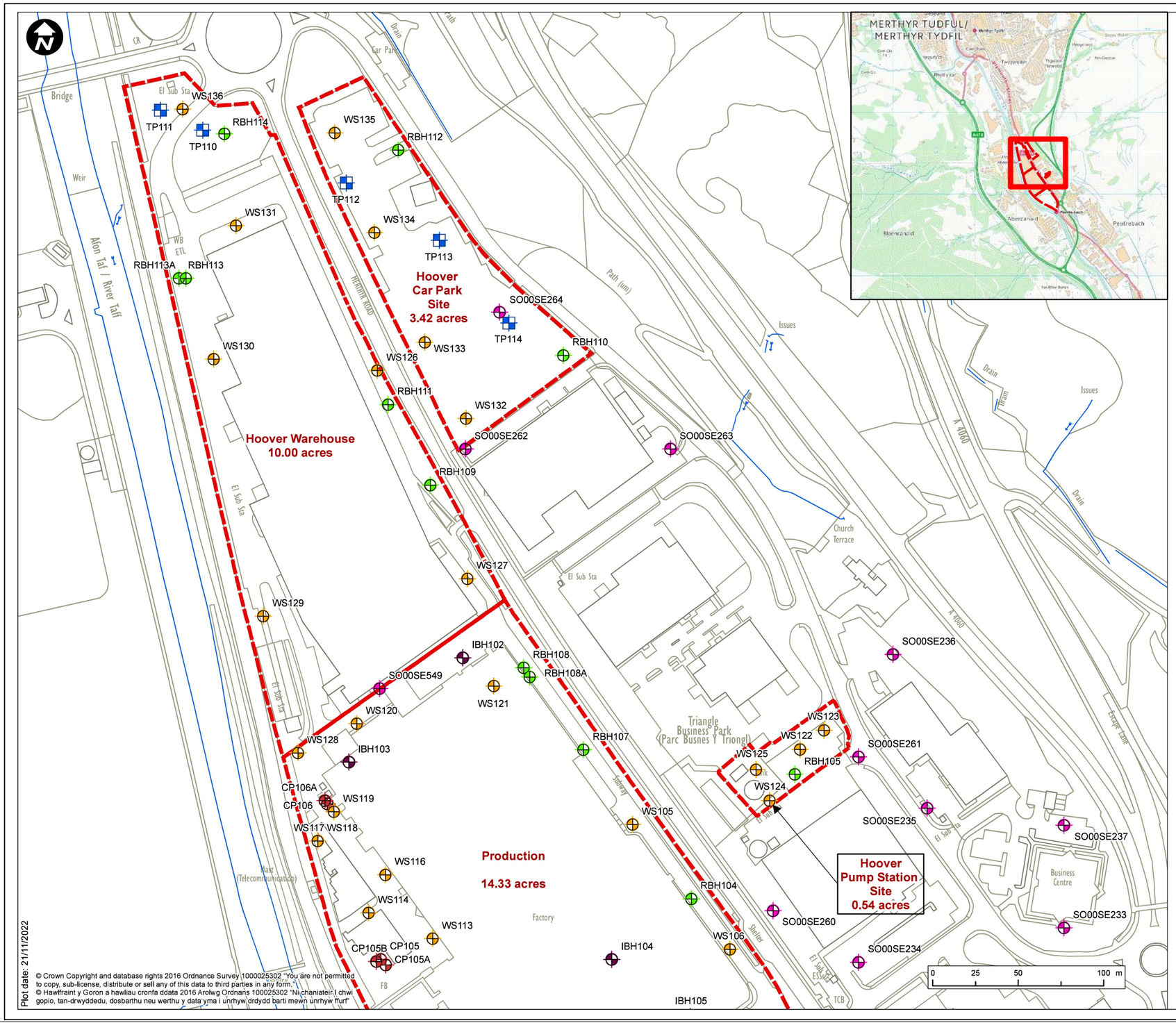


Figure 1: Site Location

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	Chkd	Appd	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

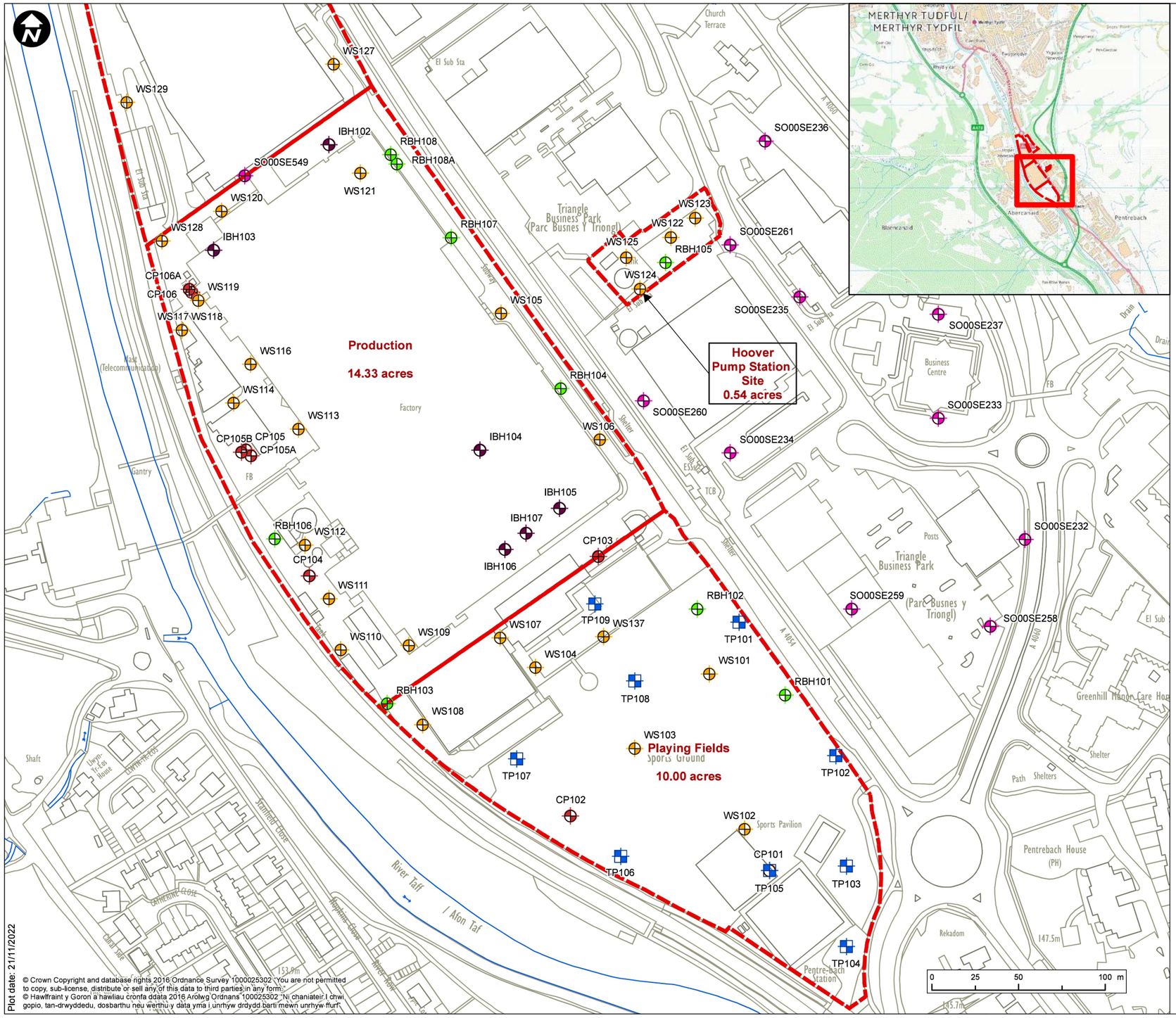
Project No: GC004005
Date: 21/11/2022

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



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Plot date: 21/11/2022

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 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

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

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