

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385711.00 - 414735.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 Depth 2.20 0.80		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.20			MADE GROUND: Concrete.	
	0.80	ES					MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	1
				1.10				
	1.50	HVP	20				Soft low strength brown sandy gravelly CLAY. Gravel is fine to coarse subangular to subrounded od sandstone.	2
	2.00	HVP	27					
				2.20			End of Pit at 2.20m	3
								4

Trial Pit Photographs



Trial Pit 115



Trial Pit 115 Spoil

Remarks: 1. Complete. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385723.00 - 414732.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 Depth 1.40		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.10			MADE GROUND: Concrete with rebar.	
							MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of concrete and brick with occasional fragments of metal.	1
	1.20	ES		1.10			MADE GROUND: Dark brown clayey gravel. Gravel is fine to coarse subangular to subrounded of concrete and brick with occasional fragments of metal.	
				1.40			End of Pit at 1.40m	2
								3
								4

Trial Pit Photographs



Trial Pit 116



Trial Pit 116 Spoil

Remarks: 1. Terminated due to concrete and brick obstructions. 2. Hydrocarbon odour from 1.10 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385732.00 - 414720.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 1.50 Depth 2.10 0.80		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.10			MADE GROUND: Concrete.	
	0.80	ES					MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete with occasional fragments of metal.	
				1.00				1
	1.50	HVP	54				Firm medium strength trending to soft low strength brown silty slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	
	2.00	HVP	34					2
				2.10			End of Pit at 2.10m	
								3
								4

Trial Pit Photographs



Trial Pit 117



Trial Pit 117 Spoil

Remarks: 1. Complete. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385723.00 - 414753.00 Level:	Date 16/11/2022
Location: Norden	Dimensions (m): 0.80 1.50		Scale 1:30
Client: Stonebond Group Ltd	Depth 0.80		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.60	ES		0.20			MADE GROUND: Concrete.	
				0.80			MADE GROUND: Brown gravelly fine to medium sand. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	
							End of Pit at 0.80m	

Trial Pit Photographs



Trial Pit 118

Trial Pit 118 Spoil

Remarks: 1. Terminated due to lack of room for bucket movement. Two brick walls in the centre of the trial pit. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385750.00 - 414744.00
Level:

Date
16/11/2022

Location: Norden

Dimensions (m): 1.50

Scale
1:30

Client: Stonebond Group Ltd

Depth
1.60

0.80

Logged
H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
 1.50	0.20			0.20			MADE GROUND: Concrete.	
	0.50	ES					MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone brick and concrete.	
	1.10			1.10			MADE GROUND: Brown clayey gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick.	1
	1.50	B		1.50 1.60			Brown clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. End of Pit at 1.60m	2
								3
								4

Trial Pit Photographs



Trial Pit 119



Trial Pit 119 Spoil

Remarks: 1. Complete. 2. Water strike encountered at 1.50 m bgl, moderate ingress.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385762.00 - 414726.00 Level:	Date 16/11/2022
Location: Norden		Dimensions (m): 1.50 Depth 0.90	Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20	ES		0.05 0.15 0.30 0.90		 MADE GROUND: Brown clay with frequent rootlets (Reworked Topsoil).  MADE GROUND: Concrete.  MADE GROUND: Brown slightly gravelly fine to medium sand. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick.  MADE GROUND: Dark brown slightly gravelly fine to medium sand. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick.	
							End of Pit at 0.90m

Trial Pit Photographs



Remarks: 1. Terminated due to concrete obstruction and unable to move the bucket. 2. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385846.00 - 414633.00 Level:	Date 17/11/2022
Location: Norden		Dimensions (m): 0.80 1.50	Scale 1:30
Client: Stonebond Group Ltd		Depth 0.60	Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.40	ES		0.30			MADE GROUND: Concrete with rebar.	
				0.60			MADE GROUND: Brown gravelly fine to medium sand. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone brick and concrete.	
							End of Pit at 0.60m	

Trial Pit Photographs



Trial Pit 121

Trial Pit 121 Spoil

Remarks: 1. Terminated due to concrete and rebar. 2. Plastic membrane at 0.30 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385831.00 - 414642.00
Level:

Date
17/11/2022

Location: Norden

Dimensions (m): 1.50

Scale
1:30

Client: Stonebond Group Ltd

Depth
2.20

0.80

Logged
H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.10			MADE GROUND: Concrete with rebar.	
							MADE GROUND: Grey gravel. Gravel is fine to coarse subangular to subrounded of sandstone and concrete.	
	1.00	ES		0.60			MADE GROUND: Dark brown to black slightly sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick, concrete with ash and occasional fragments of timber.	1
				1.50				
	2.00	HVP	40	2.20			Very soft very low strength brown silty sandy CLAY with organic material throughout.	2
							End of Pit at 2.20m	3
								4

Trial Pit Photographs



Trial Pit 122



Trial Pit 122 Spoil

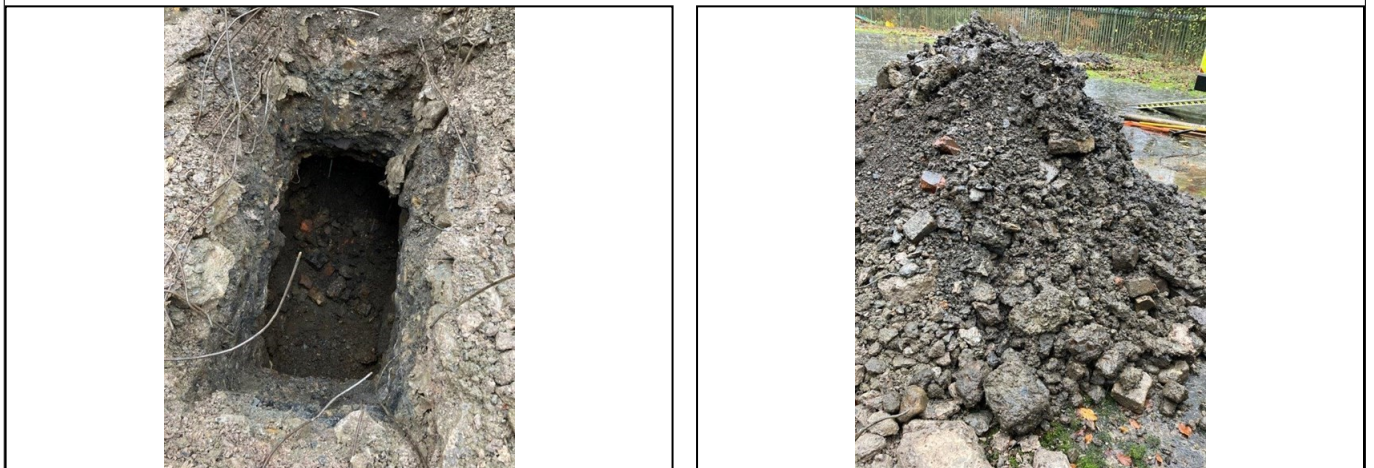
Remarks: 1. Complete. 2. Hydrocarbon odour from 0.60 m bgl. 3. Water strike encountered at 2.00 m bgl.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385834.00 - 414657.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): 1.50 0.80		Scale 1:30
Client: Stonebond Group Ltd	Depth 2.20		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.80	ES		0.20			MADE GROUND: Concrete with rebar.	
				0.60			MADE GROUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, concrete, and brick with occasional fragments of metal.	
				1.20			MADE GROUND: Black sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick, and concrete with ash and occasional fragments of metal.	1
				2.20			MADE GROUND: Dark brown clayey gravel. Gravel is fine to coarse subangular to subrounded of concrete and brick with occasional fragments of metal and wood.	2
							End of Pit at 2.20m	3
								4

Trial Pit Photographs



Trial Pit 123

Trial Pit 123 Spoil

Remarks: 1. Terminated due to compact Made Ground. 2. Hydrocarbon odour between 0.60 - 1.00 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385852.00 - 414657.00 Level:	Date 17/11/2022
Location: Norden		Dimensions (m): 1.50 0.80	Scale 1:30
Client: Stonebond Group Ltd		Depth 1.60	Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.05			MADE GROUND: Asphalt.	
				0.20			MADE GROUND: Concrete.	
				0.60			MADE GROUND: Brown gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	
	1.00	HVP	38				Soft low strength brown silty slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone.	1
	1.40	ES		1.20			Firm medium strength grey silty gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone.	
	1.50	HVP	40	1.60			End of Pit at 1.60m	2
								3
								4

Trial Pit Photographs



Trial Pit 124



Trial Pit 124 Spoil

Remarks: 1. Terminated due to concrete base. 2. Hydrocarbon odour from 0.60 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385861.00 - 414648.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): Depth 2.10		Scale 1:30
Client: Stonebond Group Ltd	0.80 1.50		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.05			MADE GROUND: Asphalt.	
				0.20			MADE GROUND: Concrete.	
				0.60			MADE GROUND: Brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete.	
	0.80	ES					MADE GROUND: Brown slightly gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone and brick. Slight hydrocarbon odour.	
	1.00	ES		1.00			Firm medium strength grey silty slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	1
	1.50	HVP	53					
	2.00	HVP	63	2.10			End of Pit at 2.10m	2
								3
								4

Trial Pit Photographs



Trial Pit 125



Trial Pit 125 Spoil

Remarks: 1. Complete. 2. Hydrocarbon odour at 1.00 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385861.00 - 414627.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): 1.50 Depth 1.60		Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.90	ES		0.05			MADE GROUND: Asphalt. MADE GROUND: Grey gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	
				0.70			MADE GROUND: Brown gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete with occasional fragments of ceramic and wood. Slight hydrocarbon odour.	1
				1.60			End of Pit at 1.60m	2
								3
								4

Trial Pit Photographs



Trial Pit 126

Trial Pit 126 Spoil

Remarks: 1. Terminated due to compact Made Ground. 2. Hydrocarbon odour from 0.70 m bgl. 3. No groundwater encountered.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385870.00 - 414633.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): 1.50 0.80		Scale 1:30
Client: Stonebond Group Ltd	Depth 1.90		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.10			MADE GROUND: Asphalt.	
							MADE GROUND: Brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick, and concrete, with frequent fragments of wood.	
	1.20	ES						1
				1.90			End of Pit at 1.90m	2
								3
								4

Trial Pit Photographs



Trial Pit 1217

Trial Pit 127 Spoil

Remarks: 1. Terminated due to instability. 2. No groundwater encountered.

Stability: Unstable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385873.00 - 414618.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): 1.50 0.80		Scale 1:30
Client: Stonebond Group Ltd	Depth 1.80		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.05			MADE GROUND: Asphalt. MADE GROUND: Brown slightly clayey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and asphalt.
				1.10			MADE GROUND: Brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone and brick.
	1.60	ES		1.80			End of Pit at 1.80m

Trial Pit Photographs



Trial Pit 128

Trial Pit 128 Spoil

Remarks: 1. Terminated due to compact Made Ground, scraping from 5 minutes and made no progress. 2. No groundwater encountered.

Stability: Unstable



e3p

Trial Pit Log

TrialPit No
TP129
Sheet 1 of 1

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385882.00 - 414618.00 Level:	Date 17/11/2022
Location: Norden	Dimensions (m): Depth 1.90		Scale 1:30
Client: Stonebond Group Ltd	0.80 1.50		Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.50	ES		0.10			MADE GROUND: Asphalt.	
							MADE GROUND: Brown gravel. Gravel is fine to coarse subangular to subrounded of sandstone, concrete and brick with occasional fragments of plastic.	
				1.00			MADE GROUND: Brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone and brick. (Reworked).	1
				1.90			End of Pit at 1.90m	2
								3
								4

Remarks: 1. Terminated due to instability and surface water ingress. 2. No groundwater encountered.

Stability: Unstable



Project Name: Edenfield Road	Project No. 16465	Co-ords: 385681.00 - 414753.00 Level:	Date 17/11/2022
Location: Norden		Dimensions (m): 1.50 Depth 1.50	Scale 1:30
Client: Stonebond Group Ltd			Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
 1.40				0.10		MADE GROUND: Concrete with rebar.	
						MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, concrete and brick.	
				1.20		Orangish brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	
				1.50		End of Pit at 1.50m	

Trial Pit Photographs



Trial Pit 130

Trial Pit 130 Spoil

Remarks: 1. Terminated due to instability. 2. Water strike encountered at 1.40 m bgl.

Stability:

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385681.00 - 414753.00 Level:	Date 17/11/2022
Location: Norden		Dimensions (m): 1.50 0.80	Scale 1:30
Client: Stonebond Group Ltd		Depth 1.50	Logged H. Mason

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
								5
								6
								7
								8



Trial Pit 130 Spoil

Remarks: 1. Terminated due to instability. 2. Water strike encountered at 1.40 m bgl.

Stability:

Borehole Log

Borehole No.

WS101

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385795.00 - 414723.00

Hole Type
WS

Location: Norden

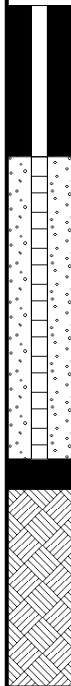
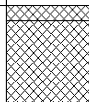
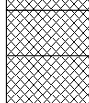
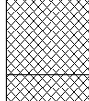
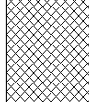
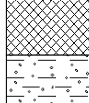
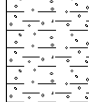
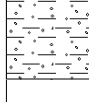
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Dark brown clay with occasional rootlets. (Reworked Topsoil). No recovery.	
		0.80	ES	N=1 (0,0/0,1,0,0)	0.70			MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, and brick with fragments of metal and plastic.	1
		1.00			1.00			MADE GROUND: No recovery.	
		2.00	ES	N=8 (1,1/0,2,3,3)	1.80			MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick.	2
		3.00			3.00			Firm low strength brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Becoming very stiff very high strength from 4.00 m bgl; and very stiff very high strength from 4.20 m bgl.	3
		3.60							
		4.00							4
		4.20							
				N=28 (14,15/4,4,7,13) 55 (17,17/55 for 150mm)	4.50			End of borehole at 4.50 m	

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone 1.00 - 3.00 m bgl). 3. No groundwater encountered.



Borehole Log

Borehole No.

WS102

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385771.00 - 414735.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.10			MADE GROUND: Concrete.	
					0.80			MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete.	1
		1.00		N=3 (1,0/0,0,0,3)				Soft very low strength brown slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone.	2
		2.00		N=8 (3,2/3,1,2,2)	2.00			Loose brown clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone. Becoming dense from 3.00 m bgl.	3
		2.60	ES						
		3.00		N=61 (10,10/6,5,14,36)	3.45				4
								End of borehole at 3.45 m	5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS103

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385765.00 - 414723.00

Hole Type
WS

Location: Norden

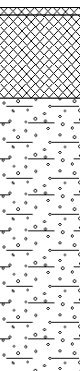
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description					
		Depth (m)	Type	Results									
		0.20	ES	N=7 (1,4/1,3,2,1)	0.05			MADE GROUND: Dark brown clay with occasional rootlets. (Reworked Topsoil). MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick with occasional fragments of plastic. Loose brown slightly clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone. Becoming dense at 2.00 m bgl.	1				
		0.80	ES		2.00					2.45			
		1.00											
		End of borehole at 2.45 m									2		
													3
									4				
									5				
									6				
									7				
									8				
									9				
									10				

Remarks

1. Refused on cobble. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS104

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385759.00 - 414747.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60		0 (50 for 75mm/0 for 0mm)	0.68			MADE GROUND: Concrete.	
								End of borehole at 0.68 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS105

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385744.00 - 414738.00

Hole Type
WS

Location: Norden

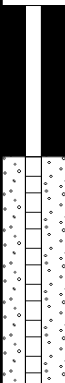
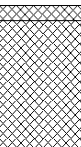
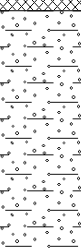
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10			0.10			MADE GROUND: Concrete.	
		0.40	ES					MADE GROUND: Dark brown clayey gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete.	
		1.00		N=6 (3,3/2,1,2,1)	1.00			Loose dark brown clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Becoming medium dense from 2.00 m bgl and dense from 2.50 m bgl.	1
		2.00		N=17 (3,4/3,2,10,2)					2
		2.50		0 (50 for 75mm/0 for 0mm)	2.58				
		2.60	ES					End of borehole at 2.58 m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone 1.00 - 2.50 m bgl). 3. No groundwater encountered.





Borehole Log

Borehole No.

WS106

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385720.00 - 414750.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60		0 (50 for 75mm/0 for 0mm)	0.68			MADE GROUND: Concrete.	
								----- End of borehole at 0.68 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Terminated due to basement feature. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS106a

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385720.00 - 414747.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.60			MADE GROUND: Concrete.	
								End of borehole at 0.60 m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS107

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385711.00 - 414729.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Grey gravel. Gravel is fine to coarse subangular to subrounded of concrete.	
		0.80	ES					MADE GROUND: Brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, concrete and brick. Slight hydrocarbon odour.	1
		1.00		N=10 (2,3/2,4,2,2)					
		2.00		N=6 (2,1/0,2,2,2)	2.00			Firm low strength brown silty sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone.	2
		2.50	ES						
		3.00		N=37 (6,6/7,6,13,11)	3.00			Dense brown sandy clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	3
		3.40		65 (10,12/65 for 150mm)	3.70				
								End of borehole at 3.70 m	4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Slight hydrocarbon odour from 1.00 m bgl. 3. Monitoring well installed (response zone from 0.50 - 1.00 m bgl). 4. No groundwater encountered.

Borehole Log

Borehole No.

WS108

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385705.00 - 414759.00

Hole Type
WS

Location: Norden

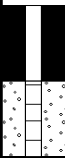
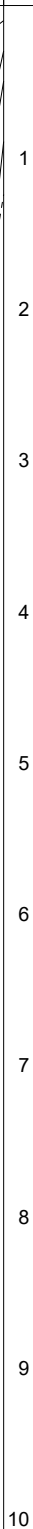
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
			ES	63 (5,7/63 for 95mm)	0.10			MADE GROUND: Concrete.	
					0.30			MADE GROUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone and concrete.	
		0.60			0.50			MADE GROUND: Red angular and subangular cobbles of red brick.	
		1.00			0.90			MADE GROUND: Brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick with occasional fragments of wood.	
					1.25			MADE GROUND: Fragments of wood.	
								End of borehole at 1.25 m	

Remarks

1. Refused on timber. 2. Monitoring well installed (response zone from 0.50 - 1.00 m bgl). 3. No groundwater encountered.



Borehole Log

Borehole No.

WS109

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385687.00 - 414771.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.60			MADE GROUND: Concrete.	
								End of borehole at 0.60 m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS109a

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385681.00 - 414771.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.50			MADE GROUND: Concrete.	
								----- End of borehole at 0.50 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS110

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385693.00 - 414750.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50	ES		0.60			MADE GROUND: Concrete.	
								End of borehole at 0.60 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS110a

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385696.00 - 414747.00

Hole Type
WS

Location: Norden

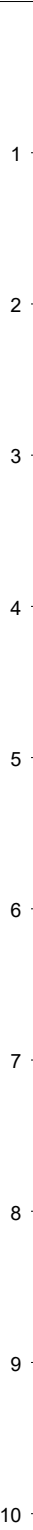
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.60	ES	0 (50 for 0mm/0 for 0mm)	0.60			MADE GROUND: Concrete.	
		0.60						End of borehole at 0.60 m	

Remarks

1. Refused on concrete. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS111

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385687.00 - 414732.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Concrete.	
					0.30			MADE GOUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, concrete and brick.	
		0.50	ES					MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of mudstone, brick, and concrete with occasional fragments of glass and ceramic.	1
		1.00		N=8 (2,2/2,2,2,2)	1.00			Stiff medium strength brown silty sandy CLAY.	
		2.00		N=11 (1,2/2,2,1,6)					2
		2.50	ES						
		3.00		N=32 (2,3/4,7,11,10)	3.00				3
		4.00		N=18 (3,2/4,5,4,5)				Medium dense brown clayey slightly sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone. Becoming dense from 4.50 m bgl.	4
		4.50		0 (17,50/0 for 0mm)	4.65				
									End of borehole at 4.65 m
								6	
								7	
								8	
								9	
								10	

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone from 0.50 - 1.00 m bgl). 3. No groundwater encountered.

Borehole Log

Borehole No.

WS112

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385672.00 - 414738.00

Hole Type
WS

Location: Norden

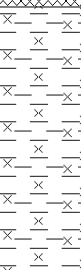
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES	N=11 (3,2/3,2,2,4)	0.10			MADE GROUND: Concrete.	1
		0.40			0.40			MADE GROUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of concrete and brick.	
		0.80			1.00			MADE GROUND: Brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone brick and concrete.	
		2.00			2.60			Stiff medium strength brownish grey silty sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Becoming very stiff very high strength from 2.70 m bgl.	
		2.70	ES	67 (10,11/67 for 150mm)	3.00			End of borehole at 3.00 m	3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS113

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385660.00 - 414759.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40		0 (50 for 0mm/0 for 0mm)	0.40			MADE GROUND: Concrete. ----- End of borehole at 0.40 m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS114

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385657.00 - 414813.00

Hole Type
WS

Location: Norden

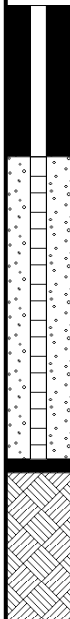
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10			0.10			MADE GROUND: Concrete.	
		0.30	ES		0.30			MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	
		1.00		N=25 (5,3/6,6,7,6)	1.00			Firm brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	1
		1.50	ES					Medium dense brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone.	
		2.00		N=17 (5,4/6,3,4,4)					2
		3.00		N=19 (4,3/2,5,6,6)	3.00			Dense brown clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone.	3
		4.00		0 (58 for 85mm/0 for 0mm)	4.08			End of borehole at 4.08 m	4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone from 1.00 - 3.00 m bgl). 3. No groundwater encountered.

Borehole Log

Borehole No.

WS115

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385678.00 - 414813.00

Hole Type
WS

Location: Norden

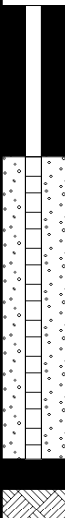
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Concrete.	
					0.50			MADE GROUND: Grey gravel. Gravel is fine to coarse subangular to subrounded of sandstone, and concrete.	
		1.00		N=2 (0,0/0,0,1,1)				MADE GROUND: Black sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick, and concrete with ash and frequent fragments of metal and ceramic.	1
		1.70	ES						
		2.00		N=5 (1,2/1,2,1,1)					2
		3.00		N=63 (0,1/0,21,20,22)					3
					3.45			End of borehole at 3.45 m	4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone from 1.00 - 3.00 m bgl). 3. No groundwater encountered.



Borehole Log

Borehole No.

WS116

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385681.00 - 414798.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES	0 (50 for 0mm/0 for 0mm)	0.05			MADE GROUND: Concrete. MADE GROUND: Black sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, brick and concrete with some fragments of glass and metal. Brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. End of borehole at 0.78 m	1
		0.70			0.50				
		0.80	ES		0.78				
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble.



Borehole Log

Borehole No.

WS117

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385828.00 - 414651.00

Hole Type
WS

Location: Norden

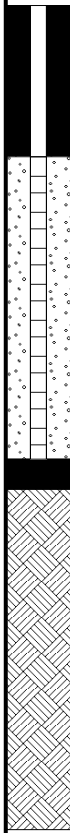
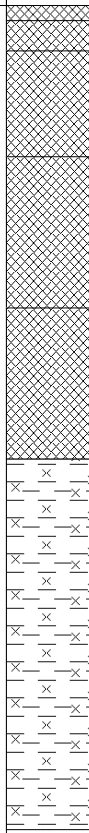
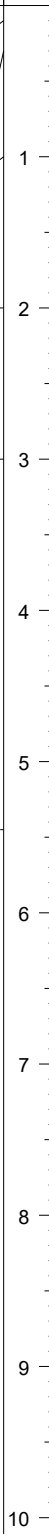
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10	ES	N=19 (13,6/5,4,5,5)	0.10			MADE GROUND: Concrete.	
		0.30			0.30			MADE GROUND: Grey gravel. Gravel is fine to coarse subangular to subrounded of sandstone and concrete.	
		0.60			0.60			MADE GROUND: Grey gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete.	
		1.00	ES	N=9 (4,2/2,3,2,2)	1.00			MADE GROUND: Brown clayey sandy gravel. Gravel is fine to coarse subangular to subrounded of brick, sandstone and mudstone.	
		2.00			2.00			MADE GROUND: Brownish grey silty slightly gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Slight hydrocarbon odour.	
		3.00			3.00			Stiff to very stiff medium to high strength brownish grey silty slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	
		3.20	ES	N=17 (4,3/5,4,3,5)	3.20				
		4.00			4.00				
		5.00			5.00				
		5.45		N=18 (2,3/2,3,3,10)	5.45				
								End of borehole at 5.45 m	

Remarks

1. Complete. 2. Slight hydrocarbon odour from 2.00 m bgl. 3. Monitoring well installed (response zone from 1.00 - 3.00 m bgl). 4. No groundwater encountered.



Borehole Log

Borehole No.

WS118

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385840.00 - 414639.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40			MADE GROUND: Concrete.	
								----- End of borehole at 0.40 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.





Borehole Log

Borehole No.

WS118a

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385852.00 - 414630.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.40			MADE GROUND: Concrete.	
								----- End of borehole at 0.40 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS119

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385849.00 - 414666.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES	N=71 (4,3/6,5,10,50)				MADE GROUND: Concrete.	
		0.60	ES		0.50			MADE GROUND: Brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete. Brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone. Dense orangish brown slightly clayey GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone. End of borehole at 1.45 m	
		1.00			0.80				1
					1.00				
					1.45				

Remarks

1. Refused on cobble. 2. No groundwater encountered.

Borehole Log

Borehole No.

WS120

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385861.00 - 414654.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES	54 (4 for 0mm/54 for 0mm)	0.10			MADE GROUND: Concrete.	1
		0.50			0.50			MADE GROUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone and concrete.	
					1.00			No recovery.	
					1.10			Brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone.	
								End of borehole at 1.10 m	
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS121

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385867.00 - 414645.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.05			MADE GROUND: Asphalt. MADE GROUND: Concrete.	
					0.50			----- End of borehole at 0.50 m	
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. No groundwater encountered.



Borehole Log

Borehole No.

WS122

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385873.00 - 414639.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Concrete.	
		0.80	ES					MADE GROUND: Dark brown gravelly clay.	
		1.00		N=0 (1,0/0,0,0,0)				Gravel is fine to coarse subangular to subrounded of brick and concrete.	1
		2.00		N=7 (0,0/0,2,3,2)	2.00				2
		3.00	ES	N=8 (3,2/3,2,1,2)				Firm low strength brown silty slightly sandy gravelly CLAY. Gravel is fine to medium subrounded to rounded of sandstone. Becoming very stiff very high strength from 4.00 m bgl. Slight hydrocarbon odour and sheen.	3
		3.20							
		4.00		N=52 (3,4/6,9,13,24)					4
					4.45			End of borehole at 4.45 m	5
									6
									7
									8
									9
									10

Remarks

1. Refused on concrete. 2. Slight hydrocarbon from 2.00 m bgl and sheen. 3. Monitoring well installed (response zone from 2.00 - 4.00 m bgl). 4. No groundwater encountered.

Borehole Log

Borehole No.

WS123

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385882.00 - 414609.00

Hole Type
WS

Location: Norden

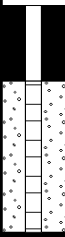
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.05			MADE GROUND: Asphalt.	
					0.30			MADE GROUND: Grey sandy gravel. Gravel is fine to coarse subangular to subrounded of concrete.	
		1.00	ES	N=37 (6,7/6,6,10,15)				MADE GROUND: Brown sandy gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, and brick with ash and fragments of glass.	1
		1.20							
		1.50		0 (13,13/0 for 0mm)					
					1.65			End of borehole at 1.65 m	
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Monitoring well installed (response zone from 0.50 - 1.50 m bgl). 3. No groundwater encountered.

Borehole Log

Borehole No.

WS124

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385858.00 - 414630.00

Hole Type
WS

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 18/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			MADE GROUND: Concrete.	
								MADE GROUND: Brown grey gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone, brick and concrete with fragments of glass.	
		1.00		N=10 (5,4/3,2,2,3)	1.00			No recovery.	1
		2.00		N=4 (2,2/2,1,0,1)	2.00				2
		3.00		N=55 (6,10/14,16,13,12)				MADE GROUND: Dark brown gravelly clay. Gravel is fine to coarse subangular to subrounded of sandstone, mudstone and brick. Slight hydrocarbon odour.	3
		3.40	ES		3.45			End of borehole at 3.45 m	4
									5
									6
									7
									8
									9
									10

Remarks

1. Refused on cobble. 2. Slight hydrocarbon odour from 3.00 m bgl. 3. No groundwater encountered.

Borehole Log

Borehole No.

CP101

Sheet 1 of 2

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385729.00 - 414729.00

Hole Type
CP

Location: Norden

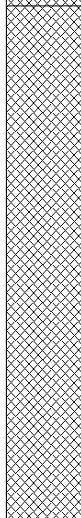
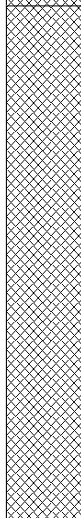
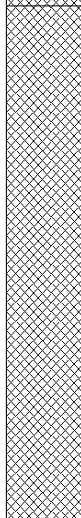
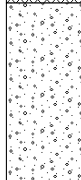
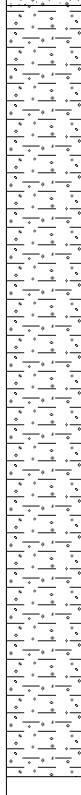
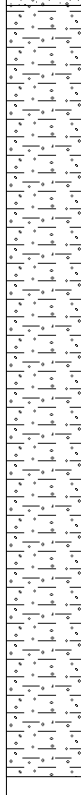
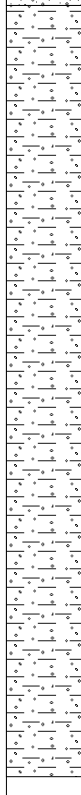
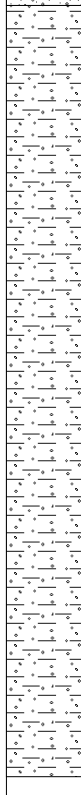
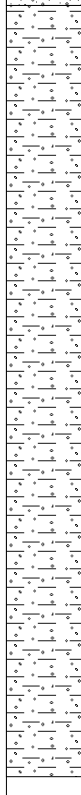
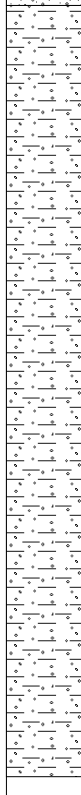
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30			MADE GROUND: Concrete.	
		1.00		N=8 (2,1/1,5,1,1)				MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, concrete, and brick.	1
		2.00		N=7 (1,1/4,1,1,1)					2
		3.00		N=6 (1,2/1,1,2,2)					3
		4.00 4.00	B	50 (3,5/50 for 265mm)	3.70			Dense brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	4
		5.00		N=14 (2,3/3,3,4,4)	4.90			Firm to stiff medium strength brown slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Becoming stiff high to very high strength from 11.00m bgl.	5
		6.50		N=14 (2,3/3,3,4,4)					6
		8.00	U						7
		9.50		N=17 (2,3/3,4,5,5)					8
									9
									10

Continued on next sheet

Remarks

1. Complete. 2. Water strike encountered at 3.70 m bgl. 3. Monitoring well installed (response zone 1.00 - 5.00 m bgl). 4. cased from 3.50 - 6.00 m bgl. 5. Chiselling from 4.00 - 6.00 m bgl (3 hours).



Borehole Log

Borehole No.

CP101

Sheet 2 of 2

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385729.00 - 414729.00

Hole Type
CP

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 15/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00		N=35 (3,4/9,8,8,10)					11
		12.50		51 (4,9/51 for 255mm)					12
		14.00		50 (5,8/50 for 260mm)					13
		15.00		50 (5,7/50 for 270mm)	15.00				14
								End of borehole at 15.00 m	15
									16
									17
									18
									19
									20

Remarks

1. Complete. 2. Water strike encountered at 3.70 m bgl. 3. Monitoring well installed (response zone 1.00 - 5.00 m bgl). 4. cased from 3.50 - 6.00 m bgl. 5. Chiselling from 4.00 - 6.00 m bgl (3 hours).





Borehole Log

Borehole No.

CP102

Sheet 1 of 1

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385660.00 - 414801.00

Hole Type
CP

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 16/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30			MADE GROUND: Concrete.	
		1.00		N=39 (3,5/22,3,5,9)				MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, concrete, and brick.	1
		2.00		N=35 (2,5/10,7,9,9)					2
		3.00		50 (2,4/50 for 290mm)					3
		4.00		N=24 (4,9/5,5,4,10)					4
		5.00		N=24 (3,4/4,7,3,10)					5
		6.00		50 (25 for 70mm/50 for 65mm)	5.80			Dense brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	6
		7.00		50 (25 for 70mm/50 for 55mm)	7.00				7
								End of borehole at 7.00 m	7
									8
									9
									10

Remarks

1. Terminated due to cobbles and compact GRAVEL. 2. Cutter stuck at 6.00 m bgl, taking 1.5 hours to retrieve. 3. Chiselling from 0.30 - 5.40 m bgl and 6.00 - 7.00 m bgl. 4. No groundwater encountered.



Borehole Log

Borehole No.

CP103

Sheet 1 of 2

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385846.00 - 414648.00

Hole Type
CP

Location: Norden

Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30			MADE GROUND: Concrete.	
		1.00 1.00	B	N=18 (1,2/9,3,2,4)				MADE GROUND: Dark brown sandy gravel. Gravel is fine to coarse subangular to subrounded of sandstone, concrete, and brick.	1
		2.00		N=19 (2,4/12,4,2,1)					2
		3.00		N=8 (2,1/1,2,2,3)	3.00			Loose brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Slight hydrocarbon odour and sheen. Becoming medium dense from 4.00m bgl.	3
		4.00 4.00	B	N=21 (3,4/4,6,7,4)					4
		5.00		N=14 (2,3/3,4,3,4)	4.80			Firm to stiff medium strength brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Becoming very stiff high strength from 6.50m bgl and very stiff very high strength from 11.00m bgl.	5
		6.50		N=20 (3,4/4,4,5,7)					6
		8.00	U						7
		9.50		N=22 (2,3/5,5,6,6)					8
									9
									10

Continued on next sheet

Remarks

1. Terminated due to cobbles and compact GRAVEL. 2. Water strike encountered at 3.00 m bgl and 12.10 m bgl. 3. Hydrocarbon odour and sheen from 3.00 - 4.80 m bgl. 4. Monitoring well installed (response zone 3.00 - 4.80 m bgl). 5. Chiselling from 0.70 - 0.90 m bgl, 2.20 - 2.30 m bgl, and 12.30 - 13.20 m bgl.



Borehole Log

Borehole No.

CP103

Sheet 2 of 2

Project Name: Edenfield Road

Project No.
16465

Co-ords: 385846.00 - 414648.00

Hole Type
CP

Location: Norden

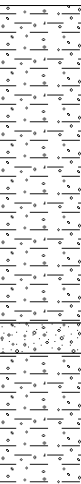
Level:

Scale
1:50

Client: Stonebond Group Ltd

Dates: 17/11/2022 -

Logged By
H. Mason

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		11.00		50 (4,5/50 for 250mm)				Brown sandy GRAVEL. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. Very stiff brown gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.	11
					12.10				12
		12.50		50 (4,9/50 for 280mm)	12.30				
		13.20		50 (25 for 55mm/50 for 45mm)	13.20				13
								End of borehole at 13.20 m	14
									15
									16
									17
									18
									19
									20

Remarks

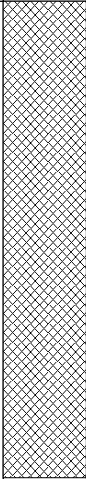
1. Terminated due to cobbles and compact GRAVEL. 2. Water strike encountered at 3.00 m bgl and 12.10 m bgl. 3. Hydrocarbon odour and sheen from 3.00 - 4.80 m bgl. 4. Monitoring well installed (response zone 3.00 - 4.80 m bgl). 5. Chiselling from 0.70 - 0.90 m bgl, 2.20 - 2.30 m bgl, and 12.30 - 13.20 m bgl.



Project Name: Edenfield Road Project No. 16465 Co-ords: 385798.00 - 414720.00 Date 15/11/2022

Location: Norden Dimensions (m): 0.30 Scale 1:10

Client: Stonebond Group Ltd Depth 0.60 Logged MW

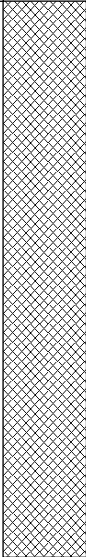
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.30	ES		0.60			MADE GROUND: Dark brown gravelly SAND with frequent cobbles and occasional roots and rootlets. Gravel is angular to subrounded fine to coarse brick, concrete and sandstone. Cobbles are angular and subangular brick and sandstone.
							End of Pit at 0.60m

Remarks: Terminated due to sandstone cobble.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385795.00 - 414708.00 Level:	Date 15/11/2022
------------------------------	-------------------	--	--------------------

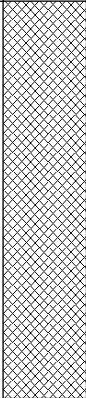
Location: Norden	Dimensions (m): 0.30	Scale 1:10
Client: Stonebond Group Ltd	Depth 0.70	Logged MW

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.50	ES		0.70			MADE GROUND: Dark brownish grey slightly clayey gravelly SAND with frequent cobbles, roots and rootlets. Gravel is angular to subrounded fine to coarse brick, concrete, sandstone and glass. Cobbles are angular to rounded brick and glass bottles.
							End of Pit at 0.70m

Remarks: Terminated due to sandstone cobble.

Stability: Stable

Project Name: Edenfield Road	Project No. 16465	Co-ords: 385801.00 - 414684.00 Level:	Date 15/11/2022
Location: Norden		Dimensions (m): 0.30	Scale 1:10
Client: Stonebond Group Ltd		Depth 0.50	Logged MW

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.20	ES		0.50			MADE GROUND: Dark grey slightly clayey SAND with frequent roots and rootlets.
							End of Pit at 0.50m

Remarks: Terminated due to sandstone cobble and dense root network.

Stability: Stable



APPENDIX VI

CHEMICAL TESTING

RESULTS

Harriet Mason
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Taylor Road
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Manchester
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e: hmason@e3p.co.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-98029-2

Replaces Analytical Report Number: 22-98029, issue no. 1
Additional analysis undertaken.

Project / Site name:	Edenfield Road	Samples received on:	21/11/2022
Your job number:	16-465	Samples instructed on/ Analysis started on:	21/11/2022
Your order number:	003525	Analysis completed by:	14/12/2022
Report Issue Number:	2	Report issued on:	15/12/2022
Samples Analysed:	3 leachate samples - 30 soil samples		


Signed:

Adam Fenwick
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507222	2507223	2507224	2507225	2507226
Sample Reference				Bund	HP01	HP02	HP03	HP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	0.30	0.50	0.20	0.40
Date Sampled				18/11/2022	15/11/2022	15/11/2022	15/11/2022	15/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	-	-	-	-
Moisture Content	%	0.01	NONE	20	-	-	-	-
Total mass of sample received	kg	0.001	NONE	0.3	-	-	-	-

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025					
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	ASE	ASE	ASE	ASE	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8	-	-	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Total Sulphate as SO ₄	mg/kg	50	MCERTS	1600	-	-	-	-
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.042	-	-	-	-
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	83	-	-	-	-
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	41.5	-	-	-	-
Sulphide	mg/kg	1	MCERTS	21	-	-	-	-
Total Sulphur	mg/kg	50	MCERTS	870	-	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.5	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	0.23	-	-	-	-
Acenaphthylene	mg/kg	0.05	NONE	0.09	-	-	-	-
Acenaphthene	mg/kg	0.05	NONE	0.41	-	-	-	-
Fluorene	mg/kg	0.05	NONE	0.39	-	-	-	-
Phenanthrene	mg/kg	0.05	NONE	3.6	-	-	-	-
Anthracene	mg/kg	0.05	NONE	0.93	-	-	-	-
Fluoranthene	mg/kg	0.05	NONE	6.8	-	-	-	-
Pyrene	mg/kg	0.05	NONE	5.6	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	NONE	2.6	-	-	-	-
Chrysene	mg/kg	0.05	NONE	2.5	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	2.3	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	1.7	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	NONE	2.2	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	1.4	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	0.25	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	NONE	1.5	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	32.4	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	-	-	-	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507222	2507223	2507224	2507225	2507226
Sample Reference				Bund	HP01	HP02	HP03	HP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	0.30	0.50	0.20	0.40
Date Sampled				18/11/2022	15/11/2022	15/11/2022	15/11/2022	15/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.3	-	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	-	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	50	-	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	300	-	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	-	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	170	-	-	-	-

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	-	-	-	-	-
Toluene	µg/kg	5	NONE	-	-	-	-	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	-	-
p & m-xylene	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	NONE	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	-	-	-	-

TPH (C5 - C6) _{HS_ID_TOTAL}	mg/kg	1	NONE	< 1.0	-	-	-	-
TPH (C6 - C8) _{HS_ID_TOTAL}	mg/kg	0.1	NONE	< 0.1	-	-	-	-
TPH (C8 - C10) _{HS_ID_TOTAL}	mg/kg	0.1	NONE	< 0.1	-	-	-	-
TPH (C10 - C12) _{EH_CU_ID_TOTAL}	mg/kg	2	NONE	< 2.0	-	-	-	-
TPH (C12 - C16) _{EH_CU_ID_TOTAL}	mg/kg	4	NONE	4.7	-	-	-	-
TPH (C16 - C21) _{EH_CU_ID_TOTAL}	mg/kg	1	NONE	20	-	-	-	-
TPH (C21 - C35) _{EH_CU_ID_TOTAL}	mg/kg	1	NONE	150	-	-	-	-
TPH (C35 - C40) _{EH_CU_ID_TOTAL}	mg/kg	10	NONE	58	-	-	-	-
TPH Total C5 - C40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	240	-	-	-	-

VOCs

Chloromethane	µg/kg	5	NONE	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	NONE	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507222	2507223	2507224	2507225	2507226
Sample Reference				Bund	HP01	HP02	HP03	HP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	0.30	0.50	0.20	0.40
Date Sampled				18/11/2022	15/11/2022	15/11/2022	15/11/2022	15/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	NONE	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Trichloromethane	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
Benzene	µg/kg	5	NONE	-	-	-	-	-
Tetrachloromethane	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Trichloroethene	µg/kg	5	NONE	-	-	-	-	-
Dibromomethane	µg/kg	5	NONE	-	-	-	-	-
Bromodichloromethane	µg/kg	5	NONE	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Toluene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Dibromochloromethane	µg/kg	5	NONE	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	NONE	-	-	-	-	-
Chlorobenzene	µg/kg	5	NONE	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	-	-
p & m-Xylene	µg/kg	5	NONE	-	-	-	-	-
Styrene	µg/kg	5	NONE	-	-	-	-	-
Tribromomethane	µg/kg	5	NONE	-	-	-	-	-
o-Xylene	µg/kg	5	NONE	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Isopropylbenzene	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
n-Propylbenzene	µg/kg	5	NONE	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	NONE	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	NONE	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	NONE	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	NONE	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507222	2507223	2507224	2507225	2507226
Sample Reference				Bund	HP01	HP02	HP03	HP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	0.30	0.50	0.20	0.40
Date Sampled				18/11/2022	15/11/2022	15/11/2022	15/11/2022	15/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	NONE	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	NONE	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	NONE	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Naphthalene	mg/kg	0.05	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	NONE	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	-	-
Acenaphthene	mg/kg	0.05	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	NONE	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Fluorene	mg/kg	0.05	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	NONE	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Phenanthrene	mg/kg	0.05	NONE	-	-	-	-	-
Anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Carbazole	mg/kg	0.3	NONE	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Chrysene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	-	-

Analytical Report Number: 22-98029
 Project / Site name: Edenfield Road
 Your Order No: 003525

Lab Sample Number				2507222	2507223	2507224	2507225	2507226
Sample Reference				Bund	HP01	HP02	HP03	HP04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	0.30	0.50	0.20	0.40
Date Sampled				18/11/2022	15/11/2022	15/11/2022	15/11/2022	15/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
Indeno(1,2,3-cd)pyrene				mg/kg	0.05	NONE	-	-
Dibenz(a,h)anthracene				mg/kg	0.05	NONE	-	-
Benzo(ghi)perylene				mg/kg	0.05	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number	2507227	2507228	2507229	2507230	2507231
Sample Reference	HP05	WS101	WS105	WS107	WS110
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.10	0.80	2.60	2.50	0.50
Date Sampled	15/11/2022	18/11/2022	15/11/2022	16/11/2022	16/11/2022
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	-	< 0.1
Moisture Content	%	0.01	NONE	-	21
Total mass of sample received	kg	0.001	NONE	-	0.4

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	-	-	-	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	0.036	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	0.036	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	ASE	N/A	N/A	N/A	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	7.9	7.5	8.5
Total Cyanide	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	-	-	160	320	1100
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	-	-	0.016	0.045	0.016
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	-	-	32	90	32
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	-	-	15.8	44.9	16.2
Sulphide	mg/kg	1	MCERTS	-	-	2.8	57	6.4
Total Sulphur	mg/kg	50	MCERTS	-	-	120	1200	650
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	1.5	1.5	1.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	-	0.38	< 0.05	-	< 0.05
Acenaphthylene	mg/kg	0.05	NONE	-	0.11	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	NONE	-	0.26	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	NONE	-	0.2	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	NONE	-	1.9	< 0.05	-	0.14
Anthracene	mg/kg	0.05	NONE	-	0.45	< 0.05	-	< 0.05
Fluoranthene	mg/kg	0.05	NONE	-	3.9	0.09	-	0.12
Pyrene	mg/kg	0.05	NONE	-	3.5	0.14	-	0.16
Benzo(a)anthracene	mg/kg	0.05	NONE	-	1.8	0.12	-	0.18
Chrysene	mg/kg	0.05	NONE	-	1.6	0.11	-	0.14
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	1.5	< 0.05	-	0.15
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	0.9	< 0.05	-	0.08
Benzo(a)pyrene	mg/kg	0.05	NONE	-	1.3	< 0.05	-	0.18
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	-	0.72	< 0.05	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	-	0.14	< 0.05	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	NONE	-	0.84	< 0.05	-	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	-	19.6	< 0.80	-	1.15
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	35	4.9	8.3	38
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	230	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	1.4	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	0.5	-	-	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507227	2507228	2507229	2507230	2507231
Sample Reference				HP05	WS101	WS105	WS107	WS110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	2.60	2.50	0.50
Date Sampled				15/11/2022	18/11/2022	15/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	1.6	1.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	2.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	33	16	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	89	36	21	85
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	320	72	29	460
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	0.7	< 0.3	0.3	0.4
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	35	38	17	30
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	45	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	270	250	48	140

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Toluene	µg/kg	5	NONE	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p & m-xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
o-xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_ID_AL}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL}	mg/kg	1	NONE	-	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL}	mg/kg	2	NONE	-	-	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL}	mg/kg	8	NONE	-	-	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL}	mg/kg	8	NONE	-	-	-	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_ID_AL}	mg/kg	10	NONE	-	-	-	< 10	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_ID_AR}	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR}	mg/kg	1	NONE	-	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR}	mg/kg	2	NONE	-	-	-	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR}	mg/kg	10	NONE	-	-	-	< 10	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR}	mg/kg	10	NONE	-	-	-	< 10	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_ID_AR}	mg/kg	10	NONE	-	-	-	< 10	-

TPH (C5 - C6) _{HS_ID_TOTAL}	mg/kg	1	NONE	-	< 1.0	< 1.0	-	< 1.0
TPH (C6 - C8) _{HS_ID_TOTAL}	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
TPH (C8 - C10) _{HS_ID_TOTAL}	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
TPH (C10 - C12) _{EH_CU_ID_TOTAL}	mg/kg	2	NONE	-	< 2.0	< 2.0	-	< 2.0
TPH (C12 - C16) _{EH_CU_ID_TOTAL}	mg/kg	4	NONE	-	< 4.0	< 4.0	-	< 4.0
TPH (C16 - C21) _{EH_CU_ID_TOTAL}	mg/kg	1	NONE	-	14	6.9	-	< 1.0
TPH (C21 - C35) _{EH_CU_ID_TOTAL}	mg/kg	1	NONE	-	120	170	-	< 1.0
TPH (C35 - C40) _{EH_CU_ID_TOTAL}	mg/kg	10	NONE	-	27	75	-	< 10
TPH Total C5 - C40 _{EH_CU+HS_ID_TOTAL}	mg/kg	10	NONE	-	160	250	-	< 10

VOCs

Chloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Chloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	< 1.0	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507227	2507228	2507229	2507230	2507231
Sample Reference				HP05	WS101	WS105	WS107	WS110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	2.60	2.50	0.50
Date Sampled				15/11/2022	18/11/2022	15/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Trichloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,1-Trichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
Benzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Tetrachloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Trichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
Dibromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromodichloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Toluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2-Trichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Dibromochloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dibromoethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Chlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p & m-Xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
Styrene	µg/kg	5	NONE	-	-	-	< 1.0	-
Tribromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
o-Xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Isopropylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
n-Propylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
2-Chlorotoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
4-Chlorotoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
tert-Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
sec-Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p-Isopropyltoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,4-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507227	2507228	2507229	2507230	2507231
Sample Reference				HP05	WS101	WS105	WS107	WS110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	2.60	2.50	0.50
Date Sampled				15/11/2022	18/11/2022	15/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	0.2	-
Phenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	-	-	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Isophorone	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	-	-	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Naphthalene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Acenaphthene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	NONE	-	-	-	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	NONE	-	-	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Fluorene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Phenanthrene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Anthracene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Carbazole	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Fluoranthene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Pyrene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Chrysene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	< 0.05	-

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Lab Sample Number				2507227	2507228	2507229	2507230	2507231
Sample Reference				HP05	WS101	WS105	WS107	WS110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.80	2.60	2.50	0.50
Date Sampled				15/11/2022	18/11/2022	15/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status		
Indeno(1,2,3-cd)pyrene				mg/kg	0.05	NONE	-	-
Dibenz(a,h)anthracene				mg/kg	0.05	NONE	-	-
Benzo(ghi)perylene				mg/kg	0.05	NONE	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number	2507232	2507233	2507234	2507235	2507236
Sample Reference	WS111	WS112	WS114	WS115	WS116
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.60	2.60	1.50	1.70	0.80
Date Sampled	16/11/2022	16/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	21
Total mass of sample received	kg	0.001	NONE	0.3	0.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	ASE	N/A	N/A	ASE	ASE

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2	8.2	-	8.6	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	360	390	-	2800	110
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.015	0.074	-	0.048	0.031
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	31	150	-	96	62
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	15.3	74.4	-	48.2	31.1
Sulphide	mg/kg	1	MCERTS	2.4	82	-	7.1	10
Total Sulphur	mg/kg	50	MCERTS	330	2100	-	1900	67
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2	1.8	-	3.1	0.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	0.11	< 0.05	0.1	0.29	< 0.05
Acenaphthylene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	NONE	0.18	< 0.05	0.14	0.21	< 0.05
Anthracene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	NONE	0.08	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	NONE	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	5.6	2.1	24	4.3
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	240	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	2	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	0.2	-	-

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Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507232	2507233	2507234	2507235	2507236
Sample Reference				WS111	WS112	WS114	WS115	WS116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	2.60	1.50	1.70	0.80
Date Sampled				16/11/2022	16/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	0.3	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	27	23	-	16	38
Copper (aqua regia extractable)	mg/kg	1	MCERTS	39	21	20	83	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	80	31	19	25	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	7.8	0.6	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	36	25	53	51	32
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	80	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	76	71	120	37	77

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	-	-	-	-	-
Toluene	µg/kg	5	NONE	-	-	-	-	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	-	-
p & m-xylene	µg/kg	5	NONE	-	-	-	-	-
o-xylene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_ID_AL	mg/kg	1	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_ID_AL	mg/kg	2	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_ID_AL	mg/kg	8	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	NONE	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_ID_AL	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_ID_AR	mg/kg	1	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_ID_AR	mg/kg	2	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_ID_AR	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_ID_AR	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_ID_AR	mg/kg	10	NONE	-	-	-	-	-

TPH (C5 - C6) HS_ID_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH (C6 - C8) HS_ID_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (C8 - C10) HS_ID_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TPH (C10 - C12) EH_CU_ID_TOTAL	mg/kg	2	NONE	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH (C12 - C16) EH_CU_ID_TOTAL	mg/kg	4	NONE	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
TPH (C16 - C21) EH_CU_ID_TOTAL	mg/kg	1	NONE	< 1.0	5.9	< 1.0	< 1.0	< 1.0
TPH (C21 - C35) EH_CU_ID_TOTAL	mg/kg	1	NONE	< 1.0	2.4	< 1.0	< 1.0	< 1.0
TPH (C35 - C40) EH_CU_ID_TOTAL	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH Total C5 - C40 EH_CU+HS_ID_TOTAL	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

VOCs

Chloromethane	µg/kg	5	NONE	-	-	-	-	-
Chloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromomethane	µg/kg	5	NONE	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-

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Your Order No: 003525

Lab Sample Number				2507232	2507233	2507234	2507235	2507236
Sample Reference				WS111	WS112	WS114	WS115	WS116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	2.60	1.50	1.70	0.80
Date Sampled				16/11/2022	16/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloroethane	µg/kg	5	NONE	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Trichloromethane	µg/kg	5	NONE	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Trans-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	-	-
Benzene	µg/kg	5	NONE	-	-	-	-	-
Tetrachloromethane	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Trichloroethene	µg/kg	5	NONE	-	-	-	-	-
Dibromomethane	µg/kg	5	NONE	-	-	-	-	-
Bromodichloromethane	µg/kg	5	NONE	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	-	-
Toluene	µg/kg	5	NONE	-	-	-	-	-
1,1,2-Trichloroethane	µg/kg	5	NONE	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Dibromochloromethane	µg/kg	5	NONE	-	-	-	-	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	NONE	-	-	-	-	-
Chlorobenzene	µg/kg	5	NONE	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	-	-
p & m-Xylene	µg/kg	5	NONE	-	-	-	-	-
Styrene	µg/kg	5	NONE	-	-	-	-	-
Tribromomethane	µg/kg	5	NONE	-	-	-	-	-
o-Xylene	µg/kg	5	NONE	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Isopropylbenzene	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	NONE	-	-	-	-	-
n-Propylbenzene	µg/kg	5	NONE	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	NONE	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	NONE	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	NONE	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	NONE	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
Butylbenzene	µg/kg	5	NONE	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	NONE	-	-	-	-	-

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Lab Sample Number				2507232	2507233	2507234	2507235	2507236
Sample Reference				WS111	WS112	WS114	WS115	WS116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	2.60	1.50	1.70	0.80
Date Sampled				16/11/2022	16/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	NONE	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	NONE	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	NONE	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Naphthalene	mg/kg	0.05	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	NONE	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	-	-
Acenaphthene	mg/kg	0.05	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	NONE	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Fluorene	mg/kg	0.05	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	NONE	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Phenanthrene	mg/kg	0.05	NONE	-	-	-	-	-
Anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Carbazole	mg/kg	0.3	NONE	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Chrysene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	-	-

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Lab Sample Number				2507232	2507233	2507234	2507235	2507236
Sample Reference				WS111	WS112	WS114	WS115	WS116
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	2.60	1.50	1.70	0.80
Date Sampled				16/11/2022	16/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Lab Sample Number	2507237	2507238	2507239	2507240	2507241
Sample Reference	WS117	WS122	WS124	TP108	TP110
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	3.20	3.20	3.40	0.70	1.00
Date Sampled	17/11/2022	18/11/2022	18/11/2022	16/11/2022	16/11/2022
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	25	26
Total mass of sample received	kg	0.001	NONE	0.3	0.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	0.705	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	0.705	-	-
Asbestos Analyst ID	N/A	N/A	N/A	N/A	N/A	LFT	LFT	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	7.8	8.6	10.3	10.5
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	560	290	270	1500	660
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.11	0.03	0.03	0.17	0.094
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	230	59	60	340	190
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	114	29.7	30.1	170	94.4
Sulphide	mg/kg	1	MCERTS	160	18	63	17	1.7
Total Sulphur	mg/kg	50	MCERTS	3500	520	1000	1100	420
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	2.9	1.1	2.7	1.5	1.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	-	-	-	0.43	0.08
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	NONE	-	-	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	NONE	-	-	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	NONE	-	-	-	0.17	0.29
Anthracene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.12
Fluoranthene	mg/kg	0.05	NONE	-	-	-	0.09	1.3
Pyrene	mg/kg	0.05	NONE	-	-	-	0.08	1.5
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	< 0.05	1.2
Chrysene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.98
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	< 0.05	1.3
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.32
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	< 0.05	1.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.45
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.15
Benzo(ghi)perylene	mg/kg	0.05	NONE	-	-	-	< 0.05	0.57

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	-	-	-	< 0.80	9.27
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	20	4.9	3.2	9	18
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-

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Lab Sample Number				2507237	2507238	2507239	2507240	2507241
Sample Reference				WS117	WS122	WS124	TP108	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.20	3.20	3.40	0.70	1.00
Date Sampled				17/11/2022	18/11/2022	18/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.3	< 0.2	0.3	< 0.2	0.8
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	52	20	4.9	160	33
Copper (aqua regia extractable)	mg/kg	1	MCERTS	56	18	8.6	62	42
Lead (aqua regia extractable)	mg/kg	1	MCERTS	79	36	15	25	190
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.4	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	16	5.1	24	35
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	170	52	35	29	180

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	-	< 1.0	< 1.0	-	-
Toluene	µg/kg	5	NONE	-	< 1.0	< 1.0	-	-
Ethylbenzene	µg/kg	5	NONE	-	17	< 1.0	-	-
p & m-xylene	µg/kg	5	NONE	-	26	< 1.0	-	-
o-xylene	µg/kg	5	NONE	-	39	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 1.0	< 1.0	-	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS, ID, AL}	mg/kg	0.001	NONE	-	< 0.001	< 0.001	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS, ID, AL}	mg/kg	0.001	NONE	-	< 0.001	< 0.001	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS, ID, AL}	mg/kg	0.001	NONE	-	0.58	< 0.001	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH, CU, ID, AL}	mg/kg	1	NONE	-	6.1	3.1	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH, CU, ID, AL}	mg/kg	2	NONE	-	40	12	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH, CU, ID, AL}	mg/kg	8	NONE	-	45	33	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH, CU, ID, AL}	mg/kg	8	NONE	-	29	330	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH, CU+HS, ID, AL}	mg/kg	10	NONE	-	120	380	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS, ID, AR}	mg/kg	0.001	NONE	-	< 0.001	< 0.001	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS, ID, AR}	mg/kg	0.001	NONE	-	< 0.001	< 0.001	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS, ID, AR}	mg/kg	0.001	NONE	-	0.24	0.082	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH, CU, ID, AR}	mg/kg	1	NONE	-	17	< 1.0	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH, CU, ID, AR}	mg/kg	2	NONE	-	180	17	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH, CU, ID, AR}	mg/kg	10	NONE	-	260	70	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH, CU, ID, AR}	mg/kg	10	NONE	-	66	520	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH, CU+HS, ID, AR}	mg/kg	10	NONE	-	520	610	-	-

TPH (C5 - C6) _{HS, ID, TOTAL}	mg/kg	1	NONE	< 1.0	-	-	< 1.0	< 1.0
TPH (C6 - C8) _{HS, ID, TOTAL}	mg/kg	0.1	NONE	< 0.1	-	-	< 0.1	< 0.1
TPH (C8 - C10) _{HS, ID, TOTAL}	mg/kg	0.1	NONE	< 0.1	-	-	< 0.1	< 0.1
TPH (C10 - C12) _{EH, CU, ID, TOTAL}	mg/kg	2	NONE	5.3	-	-	7.7	< 2.0
TPH (C12 - C16) _{EH, CU, ID, TOTAL}	mg/kg	4	NONE	57	-	-	15	< 4.0
TPH (C16 - C21) _{EH, CU, ID, TOTAL}	mg/kg	1	NONE	140	-	-	17	9.8
TPH (C21 - C35) _{EH, CU, ID, TOTAL}	mg/kg	1	NONE	460	-	-	70	18
TPH (C35 - C40) _{EH, CU, ID, TOTAL}	mg/kg	10	NONE	85	-	-	61	< 10
TPH Total C5 - C40 _{EH, CU+HS, ID, TOTAL}	mg/kg	10	NONE	750	-	-	170	28

VOCs

Chloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Chloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Bromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Vinyl Chloride	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-

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Project / Site name: Edenfield Road
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Lab Sample Number				2507237	2507238	2507239	2507240	2507241
Sample Reference				WS117	WS122	WS124	TP108	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.20	3.20	3.40	0.70	1.00
Date Sampled				17/11/2022	18/11/2022	18/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Cis-1,2-dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Trichloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1,1-Trichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2-Dichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Trans-1,2-dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Benzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Tetrachloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Trichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Dibromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Bromodichloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Cis-1,3-dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Trans-1,3-dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Toluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1,2-Trichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,3-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Dibromochloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Tetrachloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2-Dibromoethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Chlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Ethylbenzene	µg/kg	5	NONE	< 1.0	17	< 1.0	-	-
p & m-Xylene	µg/kg	5	NONE	< 1.0	26	< 1.0	-	-
Styrene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Tribromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
o-Xylene	µg/kg	5	NONE	< 1.0	39	< 1.0	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Isopropylbenzene	µg/kg	5	NONE	< 1.0	100	< 1.0	-	-
Bromobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
n-Propylbenzene	µg/kg	5	NONE	< 1.0	61	< 1.0	-	-
2-Chlorotoluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
4-Chlorotoluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,3,5-Trimethylbenzene	µg/kg	5	NONE	< 1.0	260	< 1.0	-	-
tert-Butylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2,4-Trimethylbenzene	µg/kg	5	NONE	< 1.0	750	< 1.0	-	-
sec-Butylbenzene	µg/kg	5	NONE	< 1.0	30	< 1.0	-	-
1,3-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
p-Isopropyltoluene	µg/kg	5	NONE	< 1.0	130	< 1.0	-	-
1,2-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,4-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Butylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2,4-Trichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
Hexachlorobutadiene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2,3-Trichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	-	-

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Lab Sample Number				2507237	2507238	2507239	2507240	2507241
Sample Reference				WS117	WS122	WS124	TP108	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.20	3.20	3.40	0.70	1.00
Date Sampled				17/11/2022	18/11/2022	18/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	0.2	< 0.1	< 0.1	-	-
Phenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	0.2	0.4	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Isophorone	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Naphthalene	mg/kg	0.05	NONE	2.5	10	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	1.4	13	0.4	-	-
2-Chloronaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.22	-	-
Acenaphthene	mg/kg	0.05	NONE	5.7	11	0.97	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	NONE	1.9	6.7	0.7	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Fluorene	mg/kg	0.05	NONE	4.6	12	2.1	-	-
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Phenanthrene	mg/kg	0.05	NONE	20	39	4.3	-	-
Anthracene	mg/kg	0.05	NONE	5.9	9.7	2.3	-	-
Carbazole	mg/kg	0.3	NONE	1.6	1.7	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Fluoranthene	mg/kg	0.05	NONE	35	24	6.1	-	-
Pyrene	mg/kg	0.05	NONE	29	17	5	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	-	-
Benzo(a)anthracene	mg/kg	0.05	NONE	16	5.4	1.2	-	-
Chrysene	mg/kg	0.05	NONE	12	4.1	1.4	-	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	17	2.5	1.2	-	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	5.1	1	0.53	-	-
Benzo(a)pyrene	mg/kg	0.05	NONE	13	1.7	1.1	-	-

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Lab Sample Number				2507237	2507238	2507239	2507240	2507241
Sample Reference				WS117	WS122	WS124	TP108	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				3.20	3.20	3.40	0.70	1.00
Date Sampled				17/11/2022	18/11/2022	18/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	6.9	0.47	0.51	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	1.7	0.14	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	NONE	7.3	0.39	0.79	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number	2507242	2507243	2507244	2507245	2507246
Sample Reference	TP113	TP114	TP115	TP116	TP120
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.90	1.00	0.80	1.20	0.20
Date Sampled	16/11/2022	16/11/2022	16/11/2022	16/11/2022	16/11/2022
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	16
Moisture Content	%	0.01	NONE	36	12
Total mass of sample received	kg	0.001	NONE	0.3	0.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile & Amosite	-	Chrysotile & Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Detected	Not-detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	0.011	-	0.002	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	0.011	-	0.002	-
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	DSO	DSO	DSO

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	11.6	10.1	10	8.4	8.4
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	9800	4000	1500	1200	140
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.022	0.35	0.081	0.33	0.003
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	43	700	160	660	6
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	21.5	349	81.2	332	3
Sulphide	mg/kg	1	MCERTS	6.8	7.6	17	260	88
Total Sulphur	mg/kg	50	MCERTS	6300	2000	850	4100	73
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.3	0.5	2	2.6	0.2

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	0.1	< 0.05	0.22	-	< 0.05
Acenaphthylene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.12	-	< 0.05
Acenaphthene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.2	-	< 0.05
Fluorene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.22	-	< 0.05
Phenanthrene	mg/kg	0.05	NONE	0.1	0.21	3.1	-	< 0.05
Anthracene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.85	-	< 0.05
Fluoranthene	mg/kg	0.05	NONE	0.06	0.29	4.4	-	0.1
Pyrene	mg/kg	0.05	NONE	0.08	0.3	5.1	-	0.13
Benzo(a)anthracene	mg/kg	0.05	NONE	< 0.05	0.23	3.9	-	0.09
Chrysene	mg/kg	0.05	NONE	< 0.05	0.17	3.2	-	0.09
Benzo(b)fluoranthene	mg/kg	0.05	NONE	< 0.05	0.29	4.9	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	NONE	< 0.05	0.12	1.4	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	NONE	< 0.05	0.19	4.5	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	< 0.05	0.13	2.4	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	< 0.05	< 0.05	0.44	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	NONE	< 0.05	0.16	2.8	-	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	< 0.80	2.09	37.6	-	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	40	32	24	20	15
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-

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Lab Sample Number				2507242	2507243	2507244	2507245	2507246
Sample Reference				TP113	TP114	TP115	TP116	TP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	1.00	0.80	1.20	0.20
Date Sampled				16/11/2022	16/11/2022	16/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	1.1	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	8.7	19	17	66	6.9
Copper (aqua regia extractable)	mg/kg	1	MCERTS	44	39	100	240	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	610	140	430	590	24
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	0.5	0.8	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	14	19	22	69	5.3
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	110	69	220	62

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Toluene	µg/kg	5	NONE	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p & m-xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
o-xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	< 1.0	-

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_ID_AL	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_ID_AL	mg/kg	1	NONE	-	-	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_ID_AL	mg/kg	2	NONE	-	-	-	10	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_ID_AL	mg/kg	8	NONE	-	-	-	110	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_ID_AL	mg/kg	8	NONE	-	-	-	410	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_ID_AL	mg/kg	10	NONE	-	-	-	530	-

TPH-CWG - Aromatic >EC5 - EC7 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10 HS_ID_AR	mg/kg	0.001	NONE	-	-	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_ID_AR	mg/kg	1	NONE	-	-	-	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_ID_AR	mg/kg	2	NONE	-	-	-	6.7	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_ID_AR	mg/kg	10	NONE	-	-	-	150	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_ID_AR	mg/kg	10	NONE	-	-	-	430	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_ID_AR	mg/kg	10	NONE	-	-	-	580	-

TPH (C5 - C6) HS_ID_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	< 1.0
TPH (C6 - C8) HS_ID_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	< 0.1
TPH (C8 - C10) HS_ID_TOTAL	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	< 0.1
TPH (C10 - C12) EH_CU_ID_TOTAL	mg/kg	2	NONE	< 2.0	< 2.0	< 2.0	-	< 2.0
TPH (C12 - C16) EH_CU_ID_TOTAL	mg/kg	4	NONE	< 4.0	< 4.0	5.6	-	< 4.0
TPH (C16 - C21) EH_CU_ID_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	35	-	< 1.0
TPH (C21 - C35) EH_CU_ID_TOTAL	mg/kg	1	NONE	< 1.0	< 1.0	86	-	< 1.0
TPH (C35 - C40) EH_CU_ID_TOTAL	mg/kg	10	NONE	< 10	< 10	< 10	-	< 10
TPH Total C5 - C40 EH_CU+HS_ID_TOTAL	mg/kg	10	NONE	< 10	< 10	130	-	< 10

VOCs

Chloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Chloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	< 1.0	-

Analytical Report Number: 22-98029
 Project / Site name: Edenfield Road
 Your Order No: 003525

Lab Sample Number				2507242	2507243	2507244	2507245	2507246
Sample Reference				TP113	TP114	TP115	TP116	TP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	1.00	0.80	1.20	0.20
Date Sampled				16/11/2022	16/11/2022	16/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Trichloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,1-Trichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1-Dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
Benzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Tetrachloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Trichloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
Dibromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromodichloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	5	NONE	-	-	-	< 1.0	-
Toluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2-Trichloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3-Dichloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
Dibromochloromethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Tetrachloroethene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dibromoethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Chlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Ethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p & m-Xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
Styrene	µg/kg	5	NONE	-	-	-	< 1.0	-
Tribromomethane	µg/kg	5	NONE	-	-	-	< 1.0	-
o-Xylene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	< 1.0	-
Isopropylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Bromobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
n-Propylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
2-Chlorotoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
4-Chlorotoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
tert-Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
sec-Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,3-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
p-Isopropyltoluene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,4-Dichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Butylbenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-
Hexachlorobutadiene	µg/kg	5	NONE	-	-	-	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	5	NONE	-	-	-	< 1.0	-

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Your Order No: 003525

Lab Sample Number				2507242	2507243	2507244	2507245	2507246
Sample Reference				TP113	TP114	TP115	TP116	TP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	1.00	0.80	1.20	0.20
Date Sampled				16/11/2022	16/11/2022	16/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Phenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	-	-	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Isophorone	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	-	-	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Naphthalene	mg/kg	0.05	NONE	-	-	-	0.21	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	0.3	-
2-Chloronaphthalene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	< 0.1	-
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	< 0.05	-
Acenaphthene	mg/kg	0.05	NONE	-	-	-	0.56	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	NONE	-	-	-	0.3	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	NONE	-	-	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Fluorene	mg/kg	0.05	NONE	-	-	-	0.49	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Phenanthrene	mg/kg	0.05	NONE	-	-	-	3.7	-
Anthracene	mg/kg	0.05	NONE	-	-	-	1	-
Carbazole	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	< 0.2	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Fluoranthene	mg/kg	0.05	NONE	-	-	-	8.3	-
Pyrene	mg/kg	0.05	NONE	-	-	-	7.7	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	4.1	-
Chrysene	mg/kg	0.05	NONE	-	-	-	4.1	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	5	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	1.7	-
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	4.1	-

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Lab Sample Number				2507242	2507243	2507244	2507245	2507246
Sample Reference				TP113	TP114	TP115	TP116	TP120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	1.00	0.80	1.20	0.20
Date Sampled				16/11/2022	16/11/2022	16/11/2022	16/11/2022	16/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	-	-	-	2.1	-
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	-	-	-	0.51	-
Benzo(ghi)perylene	mg/kg	0.05	NONE	-	-	-	2.2	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Lab Sample Number	2507247	2507248	2507249	2507250	2507251
Sample Reference	TP122	TP123	TP124	TP125	TP126
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	1.00	0.80	1.40	1.00	0.90
Date Sampled	17/11/2022	17/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	15
Total mass of sample received	kg	0.001	NONE	0.3	0.7

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	DSO	DSO	LFT	LFT	LFT

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.1	8.7	7.6	7.8	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Sulphate as SO ₄	mg/kg	50	MCERTS	810	770	260	210	1000
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.1	0.14	0.02	0.04	0.085
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	210	280	39	79	170
Water Soluble SO ₄ (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	104	141	19.5	39.6	84.5
Sulphide	mg/kg	1	MCERTS	82	4.5	11	55	44
Total Sulphur	mg/kg	50	MCERTS	1100	780	340	1400	910
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.5	2.5	1.5	0.7	1.7

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	3	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	NONE	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	NONE	-	-	-	-	-
Acenaphthene	mg/kg	0.05	NONE	-	-	-	-	-
Fluorene	mg/kg	0.05	NONE	-	-	-	-	-
Phenanthrene	mg/kg	0.05	NONE	-	-	-	-	-
Anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Chrysene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	NONE	-	-	-	-	-

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	NONE	-	-	-	-	-
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	16	9.7	6.2	3.2	15
Barium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	-	-	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	-	-

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Lab Sample Number				2507247	2507248	2507249	2507250	2507251
Sample Reference				TP122	TP123	TP124	TP125	TP126
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.80	1.40	1.00	0.90
Date Sampled				17/11/2022	17/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.1	0.5	0.3	0.2	0.7
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	20	18	16	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	54	51	24	14	43
Lead (aqua regia extractable)	mg/kg	1	MCERTS	250	73	24	17	500
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.6	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	29	26	21	17	21
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	94	69	53	280

Monoaromatics & Oxygenates

Benzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	5	NONE	14	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	5	NONE	16	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	NONE	3.6	6	< 1.0	3.9	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	NONE	70	18	< 2.0	24	10
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	NONE	170	20	< 8.0	< 8.0	38
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	NONE	370	120	< 8.0	< 8.0	150
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	610	170	< 10	31	200

TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.001	NONE	0.032	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	NONE	18	9	< 1.0	3.2	3.5
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	NONE	150	54	4.4	50	21
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	NONE	350	170	10	120	120
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	NONE	460	310	< 10	39	300
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	980	540	23	220	440

TPH (C5 - C6) HS_1D_TOTAL	mg/kg	1	NONE	-	-	-	-	-
TPH (C6 - C8) HS_1D_TOTAL	mg/kg	0.1	NONE	-	-	-	-	-
TPH (C8 - C10) HS_1D_TOTAL	mg/kg	0.1	NONE	-	-	-	-	-
TPH (C10 - C12) EH_CU_1D_TOTAL	mg/kg	2	NONE	-	-	-	-	-
TPH (C12 - C16) EH_CU_1D_TOTAL	mg/kg	4	NONE	-	-	-	-	-
TPH (C16 - C21) EH_CU_1D_TOTAL	mg/kg	1	NONE	-	-	-	-	-
TPH (C21 - C35) EH_CU_1D_TOTAL	mg/kg	1	NONE	-	-	-	-	-
TPH (C35 - C40) EH_CU_1D_TOTAL	mg/kg	10	NONE	-	-	-	-	-
TPH Total C5 - C40 EH_CU+HS_1D_TOTAL	mg/kg	10	NONE	-	-	-	-	-

VOCs

Chloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507247	2507248	2507249	2507250	2507251
Sample Reference				TP122	TP123	TP124	TP125	TP126
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.80	1.40	1.00	0.90
Date Sampled				17/11/2022	17/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Trichlorofluoromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/kg	5	NONE	14	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/kg	5	NONE	16	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/kg	5	NONE	110	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/kg	5	NONE	130	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/kg	5	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Analytical Report Number: 22-98029
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2507247	2507248	2507249	2507250	2507251
Sample Reference				TP122	TP123	TP124	TP125	TP126
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.80	1.40	1.00	0.90
Date Sampled				17/11/2022	17/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	2	< 0.1	< 0.1	0.3
Phenol	mg/kg	0.2	NONE	0.4	1.3	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	NONE	< 0.3	1.7	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	0.4	3.7	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	NONE	< 0.3	3.7	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	0.05	NONE	4.5	12	0.27	0.11	4.3
2,4-Dichlorophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	14	14	0.2	< 0.1	2.6
2-Chloronaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	0.05	NONE	< 0.05	< 0.05	< 0.05	0.12	0.21
Acenaphthene	mg/kg	0.05	NONE	9.1	24	0.64	1.4	4.6
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	NONE	7.2	19	0.3	< 0.2	2.4
4-Chlorophenyl phenyl ether	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Fluorene	mg/kg	0.05	NONE	10	22	0.53	3	3.9
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Phenanthrene	mg/kg	0.05	NONE	39	110	3.1	1.1	27
Anthracene	mg/kg	0.05	NONE	15	29	0.76	2.7	6.4
Carbazole	mg/kg	0.3	NONE	4.1	20	< 0.3	< 0.3	2.3
Dibutyl phthalate	mg/kg	0.2	NONE	1.9	< 0.2	< 0.2	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	NONE	< 0.3	5.3	< 0.3	< 0.3	1.5
Fluoranthene	mg/kg	0.05	NONE	45	110	3.4	9.5	32
Pyrene	mg/kg	0.05	NONE	37	95	2.8	9.1	26
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Benzo(a)anthracene	mg/kg	0.05	NONE	20	57	1.4	2.6	14
Chrysene	mg/kg	0.05	NONE	17	48	1.1	2.2	10
Benzo(b)fluoranthene	mg/kg	0.05	NONE	20	60	1.4	0.86	13
Benzo(k)fluoranthene	mg/kg	0.05	NONE	8.7	25	0.46	0.55	5.7
Benzo(a)pyrene	mg/kg	0.05	NONE	18	53	1.1	0.67	13

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Your Order No: 003525

Lab Sample Number				2507247	2507248	2507249	2507250	2507251
Sample Reference				TP122	TP123	TP124	TP125	TP126
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.00	0.80	1.40	1.00	0.90
Date Sampled				17/11/2022	17/11/2022	17/11/2022	17/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	NONE	8	24	0.58	0.16	6.4
Dibenz(a,h)anthracene	mg/kg	0.05	NONE	2.2	6.8	0.15	< 0.05	1.6
Benzo(ghi)perylene	mg/kg	0.05	NONE	8.3	27	0.51	0.09	6.5

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



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Analytical Report Number: 22-98029

Project / Site name: Edenfield Road

Your Order No: 003525

Lab Sample Number				2507252	2507253	2507254
Sample Reference				TP108	TP115	TP126
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.80	0.90
Date Sampled				16/11/2022	16/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)				Units	Limit of detection	Accreditation Status

General Inorganics

pH (automated)	pH Units	N/A	ISO 17025	11.1	10.3	8.2
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	5.5	< 1.0

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	< 1.0	1.2
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	NONE	< 0.01	< 0.01	< 0.01

Total PAH

Total EPA-16 PAHs	µg/l	0.2	NONE	< 0.2	< 0.2	< 0.2
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Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	1	ISO 17025	4.6	25	4
Cadmium (dissolved)	µg/l	0.08	ISO 17025	< 0.08	< 0.08	< 0.08
Chromium (hexavalent)	µg/l	5	ISO 17025	32	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.4	ISO 17025	62	1.6	1.5
Copper (dissolved)	µg/l	0.7	ISO 17025	26	13	17
Lead (dissolved)	µg/l	1	ISO 17025	< 1.0	10	15
Mercury (dissolved)	µg/l	0.5	ISO 17025	< 0.5	< 0.5	< 0.5
Nickel (dissolved)	µg/l	0.3	ISO 17025	1.3	0.9	2.2
Selenium (dissolved)	µg/l	4	ISO 17025	< 4.0	< 4.0	< 4.0
Zinc (dissolved)	µg/l	0.4	ISO 17025	5.7	5.3	18

Monoaromatics & Oxygenates

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	10	NONE	< 10	< 10	< 10

Petroleum Hydrocarbons

TPH1 (C10 - C40) EH_ID_TOTAL_MS	µg/l	10	NONE	< 10	< 10	< 10
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Analytical Report Number: 22-98029
Project / Site name: Edenfield Road

Your Order No: 003525

Lab Sample Number				2507252	2507253	2507254
Sample Reference				TP108	TP115	TP126
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.80	0.90
Date Sampled				16/11/2022	16/11/2022	17/11/2022
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	Units	Limit of detection	Accreditation Status			
TPH-CWG - Aliphatic >C5 - C6 _{HS, 1D, AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS, 1D, AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS, 1D, AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH, 1D, AL, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH, 1D, AL, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH, 1D, AL, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH, 1D, AL, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH, 1D, AL, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7 _{HS, 1D, AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS, 1D, AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS, 1D, AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH, 1D, AR, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH, 1D, AR, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH, 1D, AR, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH, 1D, AR, MS}	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35) _{HS+EH, 1D, AR, MS}	µg/l	10	NONE	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 22-98029

Project / Site name: Edenfield Road

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2507222	Bund	None Supplied	None Supplied	Brown clay and loam with gravel and vegetation.
2507228	WS101	None Supplied	0.8	Brown clay and loam with gravel and vegetation.
2507229	WS105	None Supplied	2.6	Brown clay and sand with gravel.
2507230	WS107	None Supplied	2.5	Grey clay and sand.
2507231	WS110	None Supplied	0.5	Brown clay and sand with gravel.
2507232	WS111	None Supplied	0.6	Brown clay and sand with gravel.
2507233	WS112	None Supplied	2.6	Grey clay and sand with gravel.
2507234	WS114	None Supplied	1.5	Brown sandy clay.
2507235	WS115	None Supplied	1.7	3.11.20.0
2507236	WS116	None Supplied	0.8	Brown clay and sand.
2507237	WS117	None Supplied	3.2	Grey clay and sand with gravel.
2507238	WS122	None Supplied	3.2	Grey clay with gravel.
2507239	WS124	None Supplied	3.4	Grey gravel with brick and stones.
2507240	TP108	None Supplied	0.7	3.11.20.9
2507241	TP110	None Supplied	1	Brown clay and sand with gravel.
2507242	TP113	None Supplied	0.9	10.4.8.17
2507243	TP114	None Supplied	1	Brown clay and sand with stones.
2507244	TP115	None Supplied	0.8	Brown clay and sand with gravel.
2507245	TP116	None Supplied	1.2	Brown clay and sand with gravel.
2507246	TP120	None Supplied	0.2	Brown sand.
2507247	TP122	None Supplied	1	Brown clay and sand with gravel.
2507248	TP123	None Supplied	0.8	Brown clay and sand with gravel and brick.
2507249	TP124	None Supplied	1.4	Brown clay with stones.
2507250	TP125	None Supplied	1	Light grey clay and sand with stones.
2507251	TP126	None Supplied	0.9	Brown loam and sand with gravel and brick.

Analytical Report Number : 22-98029

Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
BS EN 12457-1 (2:1) Leachate Prep	2:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-1.	L043-PL	W	NONE
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in leachate	Determination of hexavalent chromium in leachate by acidification, addition of 1,5 dphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	ISO 17025
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in leachate - LOW LEVEL 1 ug/l	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in leachate	Determination of PAH compounds in leachate by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
pH at 20oC in leachate (automated)	Determination of pH in leachate by electrometric measurement.	In house method.	L099B	W	ISO 17025
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE

Analytical Report Number : 22-98029

Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	NONE
TPH1 (Leachates)	Determination of dichloromethane extractable hydrocarbons in leachate by GC-MS.	In-house method	L070-PL	W	NONE
TPHCWG (Leachates)	Determination of dichloromethane extractable hydrocarbons in leachate by GC-MS.	In-house method	L070-PL	W	ISO 17025
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260	L073B-PL	W	NONE
BTEX and MTBE in leachates (Monoaromatics)	Determination of BTEX and MTBE in leachates by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	NONE
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Total cyanide in leachate - 1µg/l	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Sulphate, water soluble, in soil (1hr extraction)	Sulphate, water soluble, in soil (1hr extraction)	In-house method	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC

Analytical Report Number : 22-98029

Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

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Analytical Report Number : 22-12382

Project / Site name:	Edenfield Road	Samples received on:	21/11/2022
Your job number:	16-465	Samples instructed on/ Analysis started on:	09/12/2022
Your order number:	003525	Analysis completed by:	15/12/2022
Report Issue Number:	1	Report issued on:	15/12/2022
Samples Analysed:	1 soil sample		


Signed:

Dominika Warjan
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 22-12382
Project / Site name: Edenfield Road
Your Order No: 003525

Lab Sample Number				2527754
Sample Reference				TP118
Sample Number				None Supplied
Depth (m)				0.60
Date Sampled				Deviating
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	6.9
Total mass of sample received	kg	0.001	NONE	0.4

PCBs by GC-MS

PCB Congener 28	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 52	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 101	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 118	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 138	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 153	mg/kg	0.001	MCERTS	< 0.001
PCB Congener 180	mg/kg	0.001	MCERTS	< 0.001

Total PCBs by GC-MS

Total PCBs	mg/kg	0.007	MCERTS	< 0.007
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PCBs

PCB Congener 077	mg/kg	0.001	NONE	< 0.001
PCB Congener 081	mg/kg	0.001	NONE	< 0.001
PCB Congener 105	mg/kg	0.001	NONE	< 0.001
PCB Congener 114	mg/kg	0.001	NONE	< 0.001
PCB Congener 118	mg/kg	0.001	NONE	< 0.001
PCB Congener 123	mg/kg	0.001	NONE	< 0.001
PCB Congener 126	mg/kg	0.001	NONE	< 0.001
PCB Congener 156	mg/kg	0.001	NONE	< 0.001
PCB Congener 157	mg/kg	0.001	NONE	< 0.001
PCB Congener 167	mg/kg	0.001	NONE	< 0.001
PCB Congener 169	mg/kg	0.001	NONE	< 0.001
PCB Congener 189	mg/kg	0.001	NONE	< 0.001

Total PCBs – WHO12

Total PCBs	mg/kg	0.012	NONE	< 0.012
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U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 22-12382

Project / Site name: Edenfield Road

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2527754	TP118	None Supplied	0.6	Light brown sand with gravel.

Analytical Report Number : 22-12382
Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
PCB's By GC-MS in soil	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
PCBs WHO 12 in soil	Determination of PCBs (WHO-12 Congeners) by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC. Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Sample Deviation Report



Analytical Report Number : 22-12382

Project / Site name: Edenfield Road

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP118	None Supplied	S	2527754	a	None Supplied	None Supplied	None Supplied



4041



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Analytical Report Number : 22-10677

Project / Site name:	Edenfield Road	Samples received on:	30/11/2022
Your job number:	16 465	Samples instructed on/ Analysis started on:	30/11/2022
Your order number:	003601	Analysis completed by:	09/12/2022
Report Issue Number:	1	Report issued on:	09/12/2022
Samples Analysed:	7 water samples		


Signed:

Adam Fenwick
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



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Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517889	2517890	2517891	2517892	2517893
Sample Reference				CP101	CP103	Woodhouse Lane Upstream	Woodhouse Lane Downstream	Naden Brook Upstream
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022	29/11/2022	29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		

General Inorganics

pH	pH Units	N/A	ISO 17025	7.4	7.7	7.8	7.6	7.6
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	1.95	1.68	5.06	4.58	5.44

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	< 1.0	1.2	< 1.0	< 1.0
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Heavy Metals / Metalloids

Calcium (dissolved)	mg/l	0.012	ISO 17025	37	41	8.1	9.2	8
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.57	0.74	0.41	0.3	0.49
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	0.02	0.05	0.03	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.7	< 0.2	< 0.2	0.3	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	2.1	1.1	3.2	4.2	5.1
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	610	450	12	1.3	2.3
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.1	1	2.8	3	1.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.6	< 0.6	< 0.6	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	8.3	4.3	11	8.2	7.4

Monoaromatics & Oxygenates

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH1 (C10 - C40) _{EH_ID_TOTAL_MS}	µg/l	10	ISO 17025	< 10	< 10	< 10	95	< 10
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TPH-CWG - Aliphatic >C5 - C6 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	15	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	40	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10	< 10	40	< 10



4041



Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517889	2517890	2517891	2517892	2517893
Sample Reference				CP101	CP103	Woodhouse Lane Upstream	Woodhouse Lane Downstream	Naden Brook Upstream
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022	29/11/2022	29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
TPH-CWG - Aromatic (C5 - C35) HS+EH_10_AR_MS	µg/l	10	NONE	< 10	< 10	< 10	95	< 10

VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tri bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0



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Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517889	2517890	2517891	2517892	2517893
Sample Reference				CP101	CP103	Woodhouse Lane Upstream	Woodhouse Lane Downstream	Naden Brook Upstream
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022	29/11/2022	29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	0.46	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	0.16	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517889	2517890	2517891	2517892	2517893
Sample Reference				CP101	CP103	Woodhouse Lane Upstream	Woodhouse Lane Downstream	Naden Brook Upstream
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022	29/11/2022	29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	0.51	< 0.01	0.83	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	1.7	< 0.01	0.68	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	0.15	< 0.01	0.35	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	0.15	< 0.01	0.37	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	0.44	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	0.16	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	0.3	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
3&4-Methylphenol	µg/l	0.1	NONE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

U/S = Unsuitable Sample I/S = Insufficient Sample



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Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517894	2517895
Sample Reference				Naden Brook Midstream	Naden Brook Downstream
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		

General Inorganics

pH	pH Units	N/A	ISO 17025	7.9	7.3
Total Cyanide (Low Level 1 µg/l)	µg/l	1	ISO 17025	< 1.0	< 1.0
Dissolved Organic Carbon (DOC)	mg/l	0.1	ISO 17025	5.02	4.85

Total Phenols

Total Phenols (monohydric)	µg/l	1	ISO 17025	< 1.0	< 1.0
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Heavy Metals / Metalloids

Calcium (dissolved)	mg/l	0.012	ISO 17025	7.8	12
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.33	0.43
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.06
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.5	0.5
Copper (dissolved)	µg/l	0.5	ISO 17025	4	3.3
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2
Manganese (dissolved)	µg/l	0.05	ISO 17025	7.6	76
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.3	1.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.9	10

Monoaromatics & Oxygenates

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH1 (C10 - C40) _{EH_ID_TOTAL_MS}	µg/l	10	ISO 17025	< 10	< 10
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TPH-CWG - Aliphatic >C5 - C6 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10 _{HS_ID_AL}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35 _{EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35) _{HS+EH_ID_AL_MS}	µg/l	10	NONE	< 10	< 10

TPH-CWG - Aromatic >C5 - C7 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10 _{HS_ID_AR}	µg/l	1	ISO 17025	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C12 - C16 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C16 - C21 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10
TPH-CWG - Aromatic >C21 - C35 _{EH_ID_AR_MS}	µg/l	10	NONE	< 10	< 10



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Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517894	2517895
Sample Reference				Naden Brook Midstream	Naden Brook Downstream
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
TPH-CWG - Aromatic (C5 - C35) HS+EH_ID_AR_MS	µg/l	10	NONE	< 10	< 10

VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0
Tri bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0



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Analytical Report Number: 22-10677

Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517894	2517895
Sample Reference				Naden Brook Midstream	Naden Brook Downstream
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0

SVOCs

Aniline	µg/l	0.05	NONE	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05

Analytical Report Number: 22-10677
Project / Site name: Edenfield Road

Your Order No: 003601

Lab Sample Number				2517894	2517895
Sample Reference				Naden Brook Midstream	Naden Brook Downstream
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01
3&4-Methylphenol	µg/l	0.1	NONE	< 0.10	< 0.10

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-10677
Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 *for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 dphenylcarbazine followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Monohydric phenols in water - LOW LEVEL 1 ug/l	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Dissolved Organic Carbon in water	Determination of dissolved inorganic carbon in water by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Low level total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-PL	W	ISO 17025
TPH1 (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS.	In-house method	L070-PL	W	ISO 17025

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector



4041



Analytical Report Number : 22-10677

Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
GC	Gas Chromatography				
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))				
CU	Clean-up - e.g. by Florisil®, silica gel				
1D	GC - Single coil/column gas chromatography				
2D	GC-GC - Double coil/column gas chromatography				
Total	Aliphatics & Aromatics				
AL	Aliphatics				
AR	Aromatics				
#1	EH_2D_Total but with humics mathematically subtracted				
#2	EH_2D_Total but with fatty acids mathematically subtracted				
-	Operator - understore to separate acronyms (exception for +)				
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total				

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Analytical Report Number : 22-10681

Project / Site name:	Edenfield Road	Samples received on:	30/11/2022
Your job number:	16 465	Samples instructed on/ Analysis started on:	30/11/2022
Your order number:	003602	Analysis completed by:	07/12/2022
Report Issue Number:	1	Report issued on:	07/12/2022
Samples Analysed:	4 water samples		


Signed:

Dominika Warjan
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 22-10681
Project / Site name: Edenfield Road

Your Order No: 003602

Lab Sample Number				2517914	2517915	2517916	2517917
Sample Reference				CP101	CP103	Naden Brook Upstream	Naden Brook Downstream
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/11/2022	29/11/2022	29/11/2022	29/11/2022
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status				

PFAS Suite 3

PFBS C4 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PHPS C5 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFHxS C6 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFHpS C7 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFOS C8 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFNS C9 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFDS C10 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFUdS C11 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFDoS C12 Sulphonate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFBA C4 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFPeA C5 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFHxA C6 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFHpA C7 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFOA C8 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFNA C9 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFDA C10 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFUdA C11 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05
PFDoA C12 Carboxylic acid	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-10681

Project / Site name: Edenfield Road

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
EF - PFAS suite 3 in water by LC-MS/MS	PFAS suite 3 by LC-MS/MS	In-house method	UK	W	NONE

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture

correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by

the client. The instructed on date indicates the date on which this information was provided to the laboratory.

APPENDIX VII

ORIGIN OF TIER I GENERIC ASSESSMENT CRITERIA

CONSTITUENT	ORIGIN OF RISK ASSESSMENT VALUE
Arsenic	2014 LQM/CIEH S4ULs
Cadmium	2014 LQM/CIEH S4ULs
Chromium	2014 LQM/CIEH S4ULs
Lead	2014 LQM/CIEH S4ULs
Mercury	2014 LQM/CIEH S4ULs – methylmercury
Nickel	2014 LQM/CIEH S4ULs
Selenium	2014 LQM/CIEH S4ULs
Copper	2014 LQM/CIEH S4ULs
Zinc	2014 LQM/CIEH S4ULs
Cyanide – Total	2014 LQM/CIEH S4ULs
Phenols – Total	2014 LQM/CIEH S4ULs
Naphthalene	General assessment criteria (GAC) developed by CIEH/LQM Suitable 4 Use Levels with supporting data from SR3, SR7 and existing Tox report where applicable. 1% SOM.
Acenaphthylene	
Acenaphthene	
Fluorene	
Phenanthrene	
Anthracene	
Fluoranthene	
Pyrene	
Benzo(a)Anthracene	
Chrysene	
Benzo(b/k)Fluoranthene ⁽ⁱⁱⁱ⁾	
Benzo(a)Pyrene	
Indeno(123-cd)Pyrene	
Dibenzo(a,h)Anthracene	
Benzo(ghi)Perylene	
TPH C₅-C₆ (aliphatic)	
TPH C₆-C₈ (aliphatic)	
TPH C₈-C₁₀ (aliphatic)	
TPH C₁₀-C₁₂ (aliphatic)	
TPH C₁₂-C₁₆ (aromatic)	
TPH C₁₆-C₂₁ (aromatic)	
TPH C₂₁-C₃₅ (aromatic)	



APPENDIX VIII

GEOTECHNICAL TESTING

RESULTS



LABORATORY REPORT



4043

Contract Number: PSL22/7526

Report Date: 07 December 2022

Client's Reference: 16-465

Client Name: E3P
Taylor Road
Urmston
Manchester
M41 7JQ

For the attention of: Harriet Mason/M. Wilson

Contract Title: Edenfield Road

Date Received: 25/11/2022

Date Commenced: 25/11/2022

Date Completed: 7/12/2022

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins
(Director)

R Berriman
(Quality Manager)

S Royle
(Laboratory Manager)

L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)

T Watkins
(Senior Technician)

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Page 1 of

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP110		B	1.70		Brown gravelly very sandy CLAY.
TP119		B	1.50		Brown sandy clayey GRAVEL with cobbles.
CP101		U100	8.00		Firm brown slightly gravelly very sandy CLAY
CP103		U100	8.00		Brown slightly gravelly very sandy CLAY
CP101		B	1.00		Brown very sandy very clayey GRAVEL with cobbles.
CP101		B	3.00		Brown very sandy slightly clayey GRAVEL
CP101		B	4.00		Brown very gravelly very sandy CLAY with cobbles.
CP103		B	1.00		Brown very sandy clayey GRAVEL with many cobbles.
CP103		B	4.00		Brown sandy slightly silty GRAVEL.
WS105		SPT	2.00		Brown gravelly sandy CLAY
WS117		SPT	4.00		Dark brown gravelly very sandy CLAY
WS101		SPT	4.00		Brown very sandy slightly clayey silty GRAVEL
WS102		SPT	1.00		Dark brown very gravelly sandy CLAY
CP101		SPT	5.00		Brown gravelly very sandy CLAY
CP101		SPT	8.00		Brown gravelly very sandy CLAY
CP101		SPT	9.50		Brown slightly gravelly very sandy CLAY
CP101		SPT	12.50		Brown gravelly very sandy CLAY
CP101		SPT	14.00		Brown gravelly very sandy CLAY
CP103		SPT	5.00		Brown gravelly very sandy CLAY



4043

PSL

Professional Soils Laboratory

Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

PSL
Professional Soils Laboratory

Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m ³ Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
WS105		SPT	2.00		22			38	20	18	83	Intermediate Plasticity CI
WS117		SPT	4.00		15			27	14	13	81	Low Plasticity CL
WS101		SPT	4.00		17				NP			
WS102		SPT	1.00		28			41	22	19	64	Intermediate Plasticity CI
CP101		SPT	5.00		14			32	15	17	85	Low Plasticity CL
CP101		SPT	8.00		14			29	14	15	81	Low Plasticity CL
CP101		SPT	9.50		28			30	15	15	92	Low Plasticity CL
CP101		SPT	12.50		16			34	16	18	80	Low Plasticity CL
CP101		SPT	14.00		14			30	14	16	83	Low Plasticity CL
CP103		SPT	5.00		21			31	16	15	85	Low Plasticity CL
CP103		SPT	6.50		20			29	15	14	87	Low Plasticity CL
CP103		SPT	11.00		25			30	16	14	83	Low Plasticity CL
CP103		SPT	12.50		17			27	13	14	81	Low Plasticity CL

SYMBOLS : NP : Non Plastic

* : Liquid Limit and Plastic Limit Wet Sieved.



4043

PSL
Professional Soils Laboratory

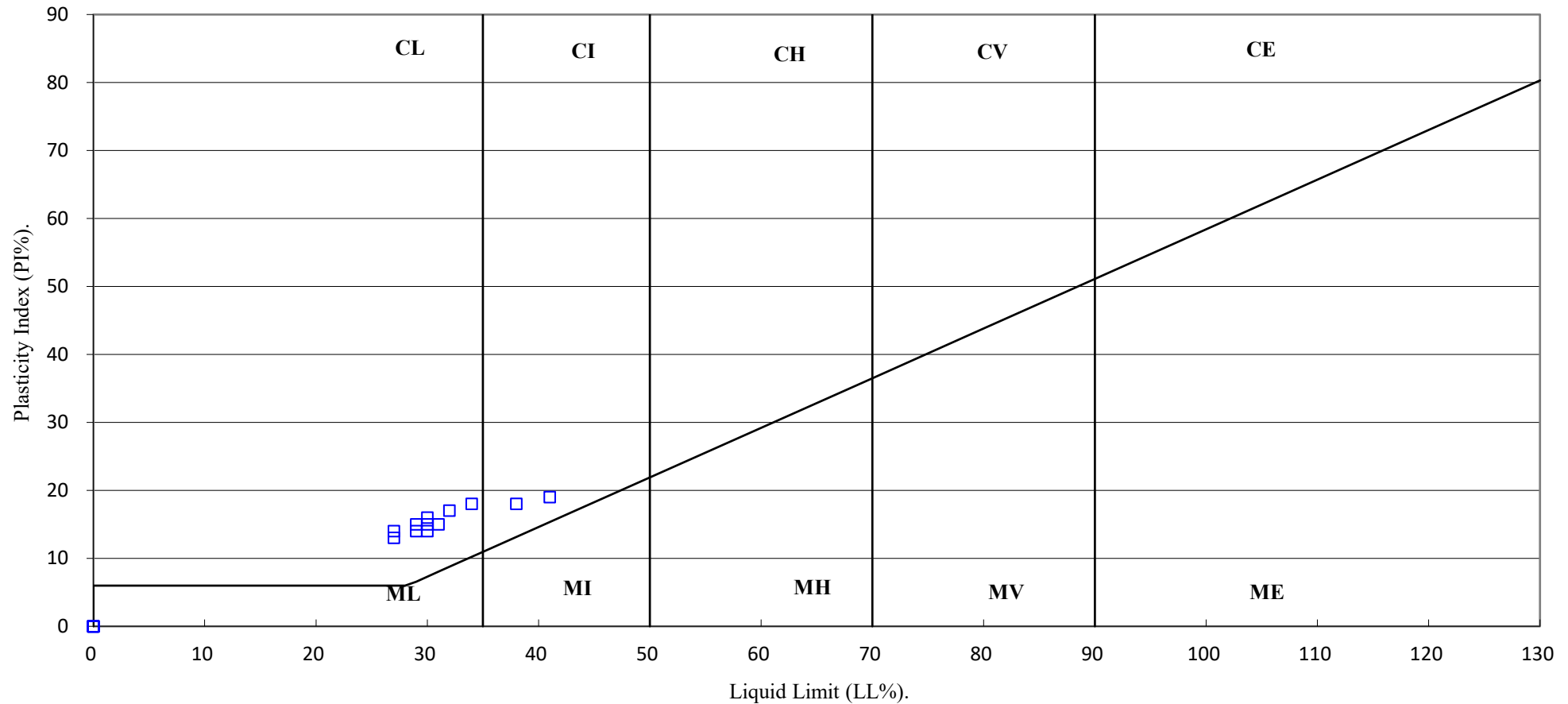
Edenfield Road

Contract No:

PSL22/7526

Client Ref:

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



4043

PSL

Professional Soils Laboratory

Edenfield Road

Contract No:

PSL22/7526

Client Ref:

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

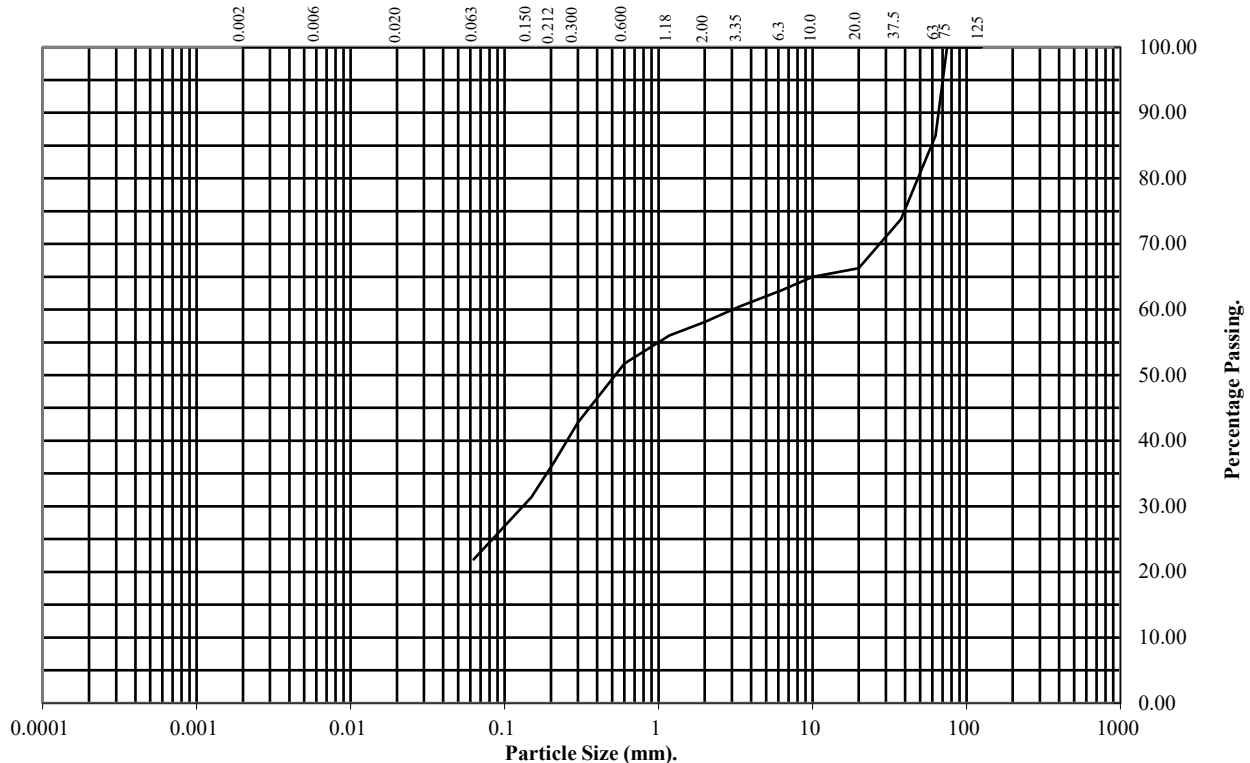
Hole Number: CP101

Top Depth (m): 1.00

Sample Number:

Base Depth(m):

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	87
37.5	74
20	66
10	65
6.3	63
3.35	60
2	58
1.18	56
0.6	52
0.3	43
0.212	37
0.15	31
0.063	22

Soil Fraction	Total Percentage
Cobbles	13
Gravel	29
Sand	36
Silt/Clay	22

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

Edenfield Road

Contract No:
PSL22/7526
Client Ref:
16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

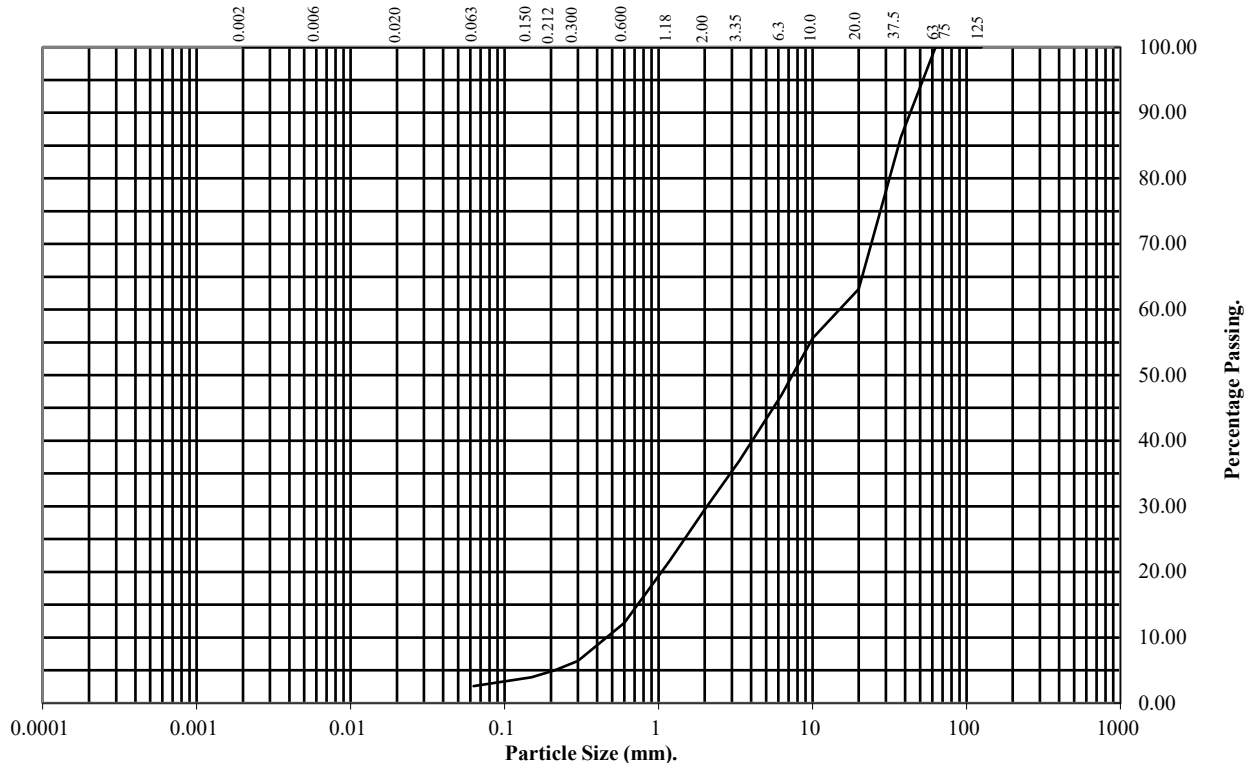
Hole Number: CP101

Top Depth (m): 3.00

Sample Number:

Base Depth(m):

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	86
20	63
10	56
6.3	47
3.35	37
2	29
1.18	22
0.6	12
0.3	6
0.212	5
0.15	4
0.063	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	71
Sand	26
Silt/Clay	3

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

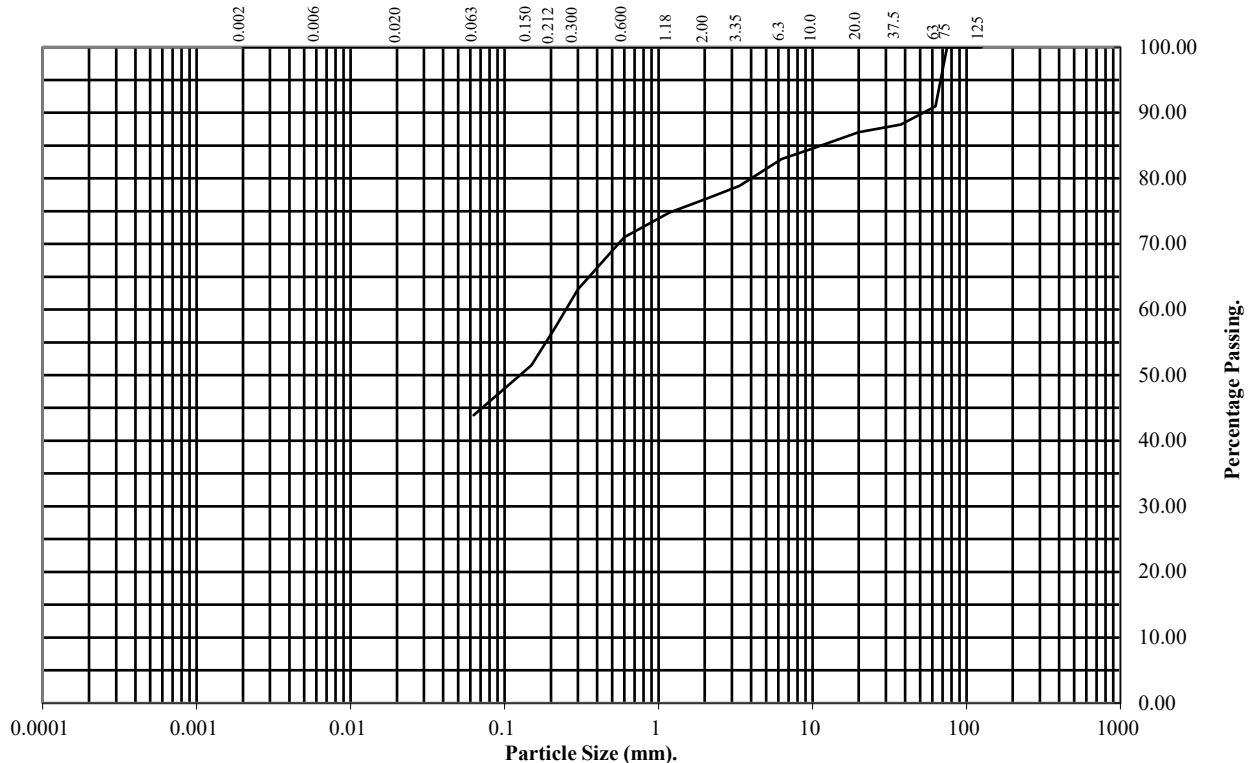
Hole Number: CP101

Top Depth (m): 4.00

Sample Number:

Base Depth(m):

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	91
37.5	88
20	87
10	85
6.3	83
3.35	79
2	77
1.18	75
0.6	71
0.3	63
0.212	57
0.15	52
0.063	44

Soil Fraction	Total Percentage
Cobbles	9
Gravel	14
Sand	33
Silt/Clay	44

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

Edenfield Road

Contract No:
PSL22/7526
Client Ref:
16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number:

CP103

Top Depth (m):

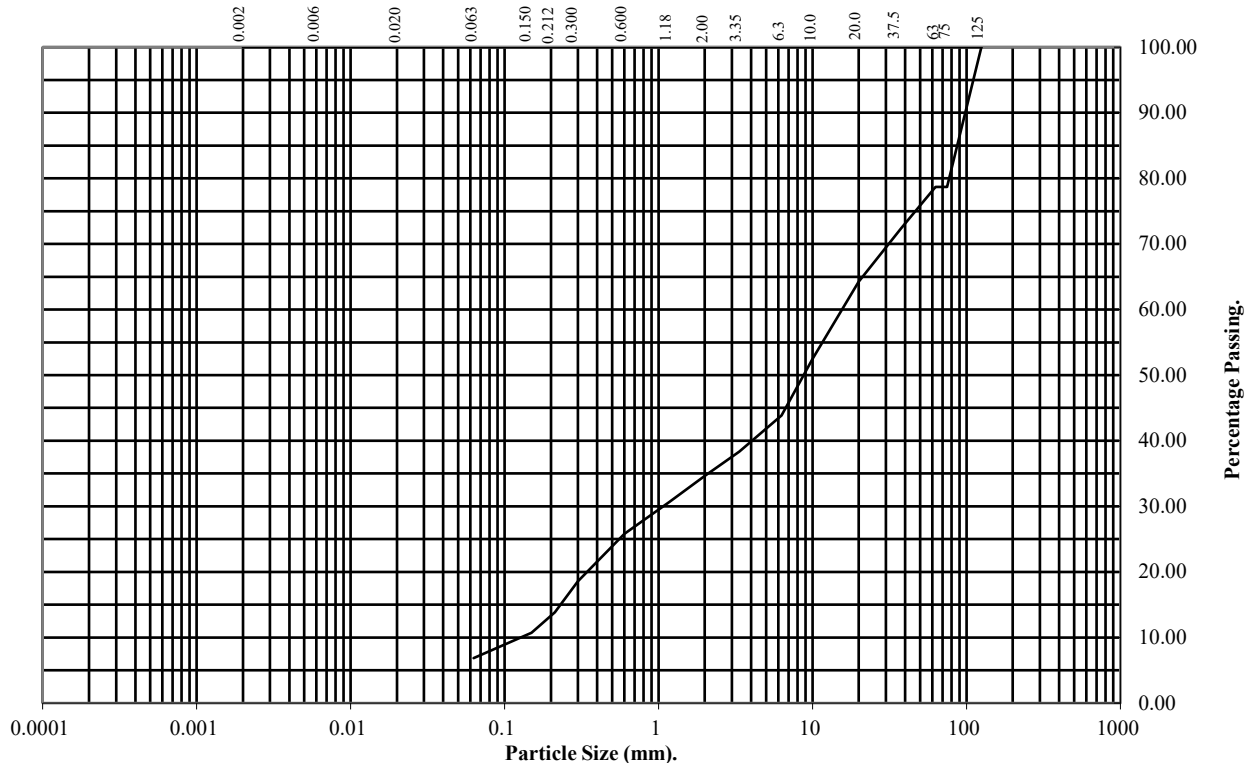
1.00

Sample Number:

Base Depth(m):

Sample Type:

B



BS Test Sieve (mm)	Percentage Passing
125	100
75	79
63	79
37.5	72
20	64
10	52
6.3	44
3.35	38
2	35
1.18	31
0.6	26
0.3	19
0.212	14
0.15	11
0.063	7

Soil Fraction	Total Percentage
Cobbles	21
Gravel	44
Sand	28
Silt/Clay	7

Remarks:

See Summary of Soil Descriptions



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Edenfield Road

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Client Ref:
16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number:

CP103

Top Depth (m):

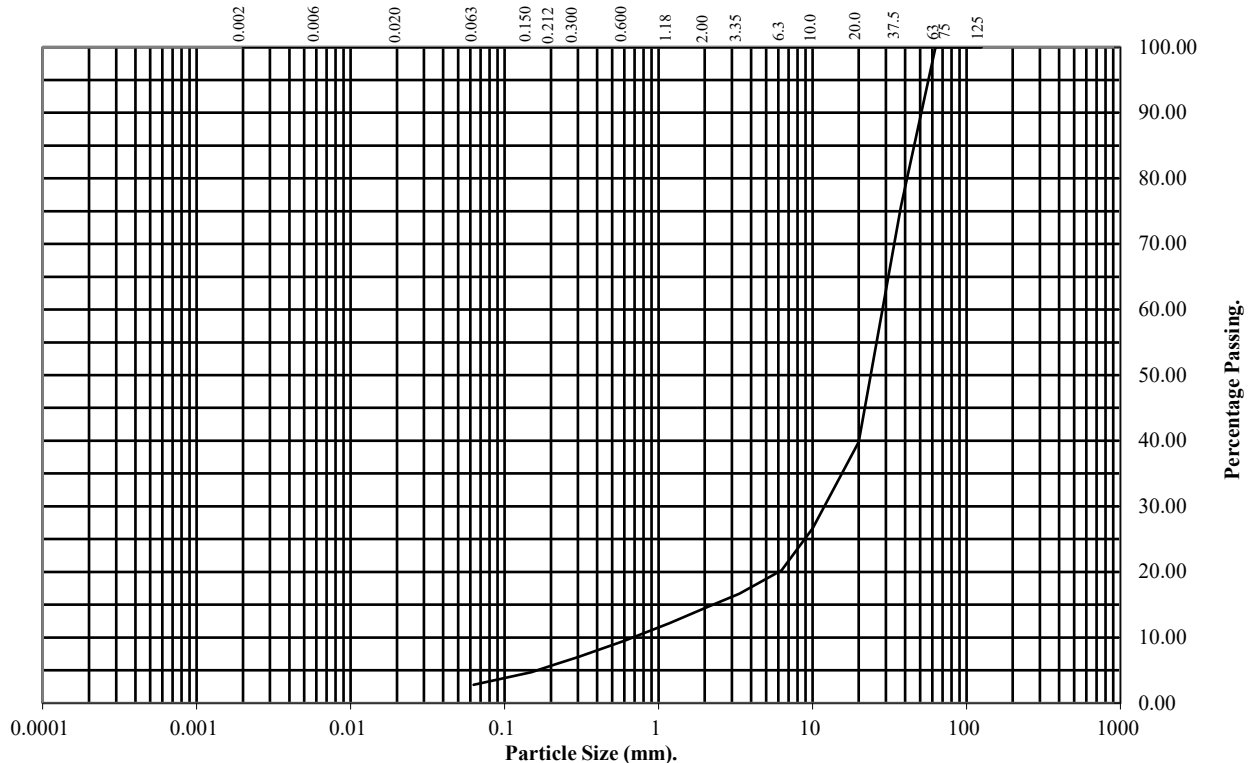
4.00

Sample Number:

Base Depth(m):

Sample Type:

B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	76
20	40
10	27
6.3	20
3.35	17
2	14
1.18	12
0.6	10
0.3	7
0.212	6
0.15	5
0.063	3

Soil Fraction	Total Percentage
Cobbles	0
Gravel	86
Sand	11
Silt/Clay	3

Remarks:

See Summary of Soil Descriptions



PSL
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Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

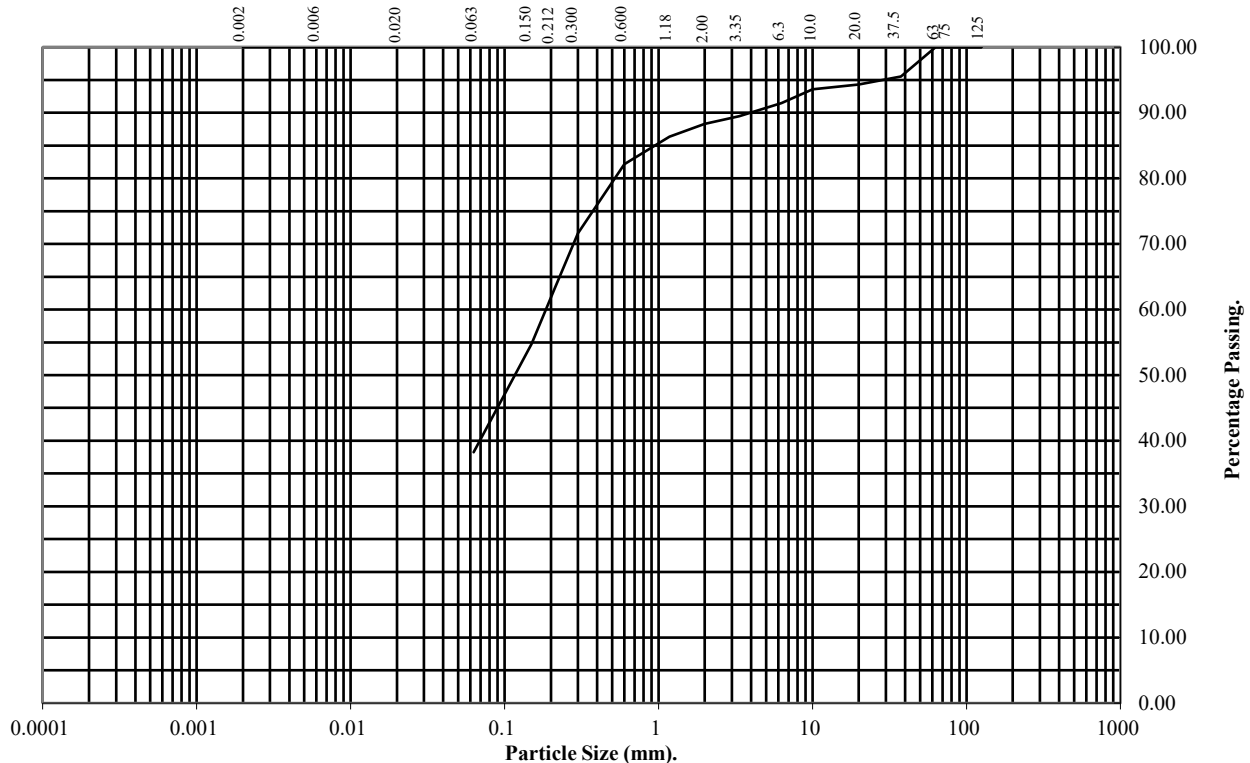
Hole Number: TP110

Top Depth (m): 1.70

Sample Number:

Base Depth(m):

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	96
20	94
10	94
6.3	91
3.35	89
2	88
1.18	86
0.6	82
0.3	72
0.212	63
0.15	55
0.063	38

Soil Fraction	Total Percentage
Cobbles	0
Gravel	12
Sand	50
Silt/Clay	38

Remarks:

See Summary of Soil Descriptions



PSL
Professional Soils Laboratory

Edenfield Road

Contract No:
PSL22/7526
Client Ref:
16-465

PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

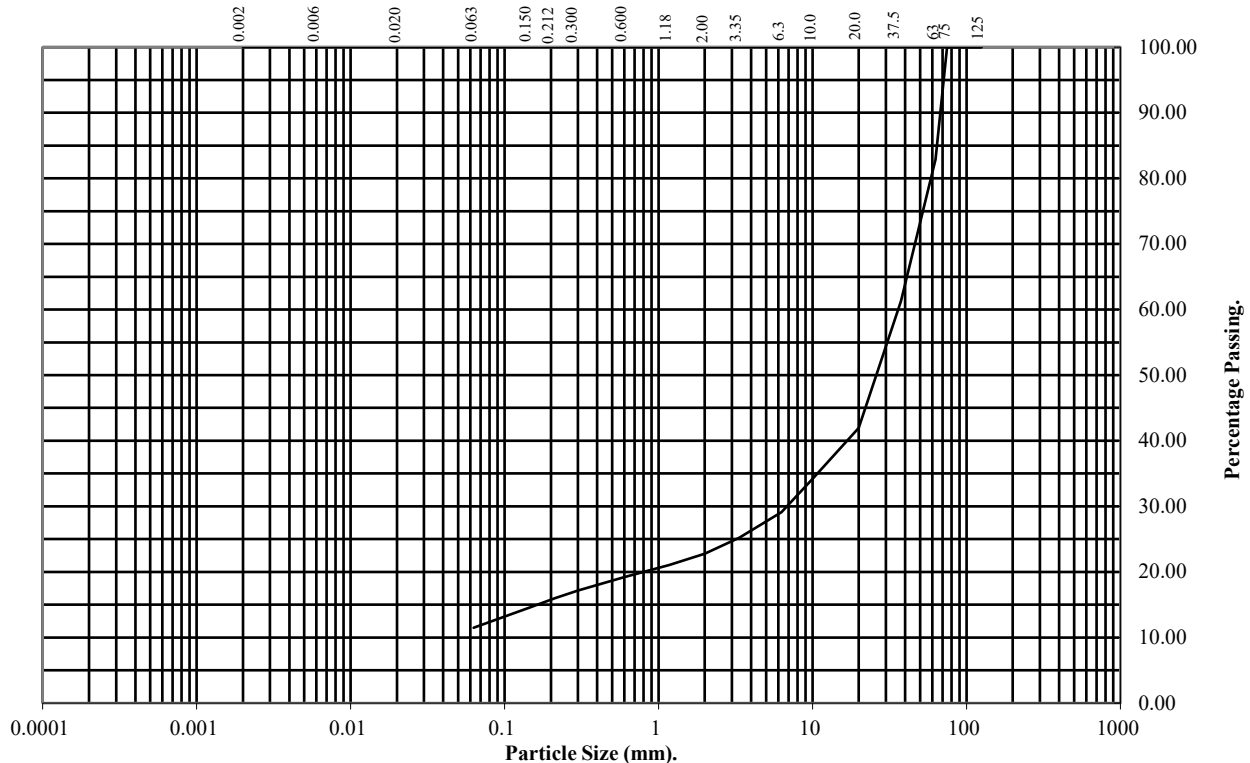
Hole Number: TP119

Top Depth (m): 1.50

Sample Number:

Base Depth(m):

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	83
37.5	61
20	42
10	34
6.3	29
3.35	25
2	23
1.18	21
0.6	19
0.3	17
0.212	16
0.15	15
0.063	11

Soil Fraction	Total Percentage
Cobbles	17
Gravel	60
Sand	12
Silt/Clay	11

Remarks:

See Summary of Soil Descriptions



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Edenfield Road

Contract No:
PSL22/7526
Client Ref:
16-465

DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

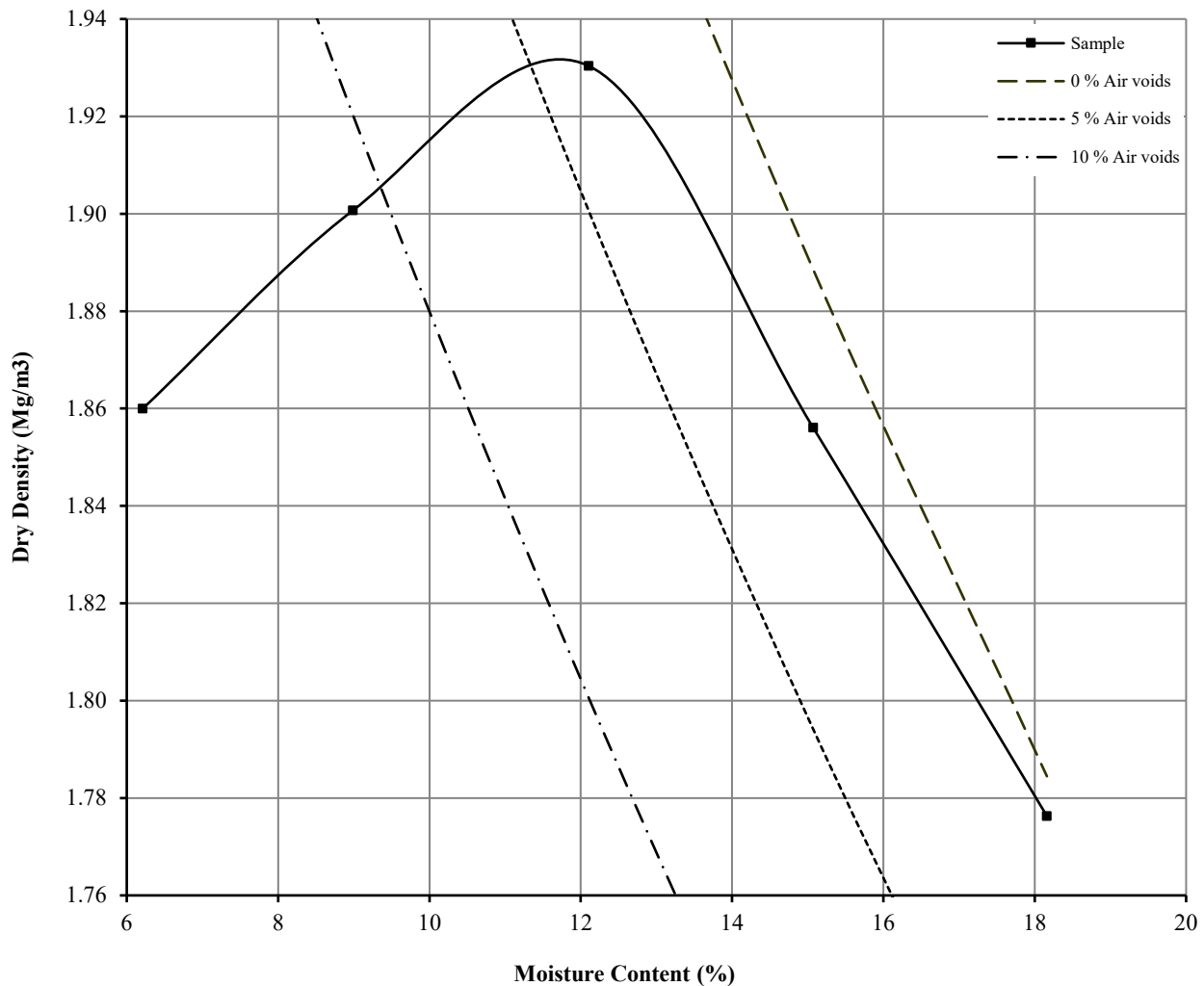
Hole Number: CP101

Top Depth (m) : 1.00

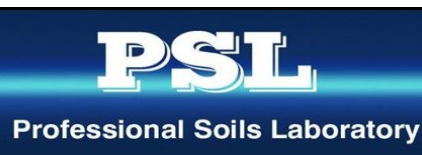
Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	24	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m ³):	2.64	Assumed	Material Retained on 37.5 mm Test Sieve (%):	26
Maximum Dry Density (Mg/m ³):	1.93		Material Retained on 20.0 mm Test Sieve (%):	8
Optimum Moisture Content (%):	12			
Remarks See summary of soil descriptions				



Edenfield Road

Contract
PSL22/7526
Client Ref
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DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

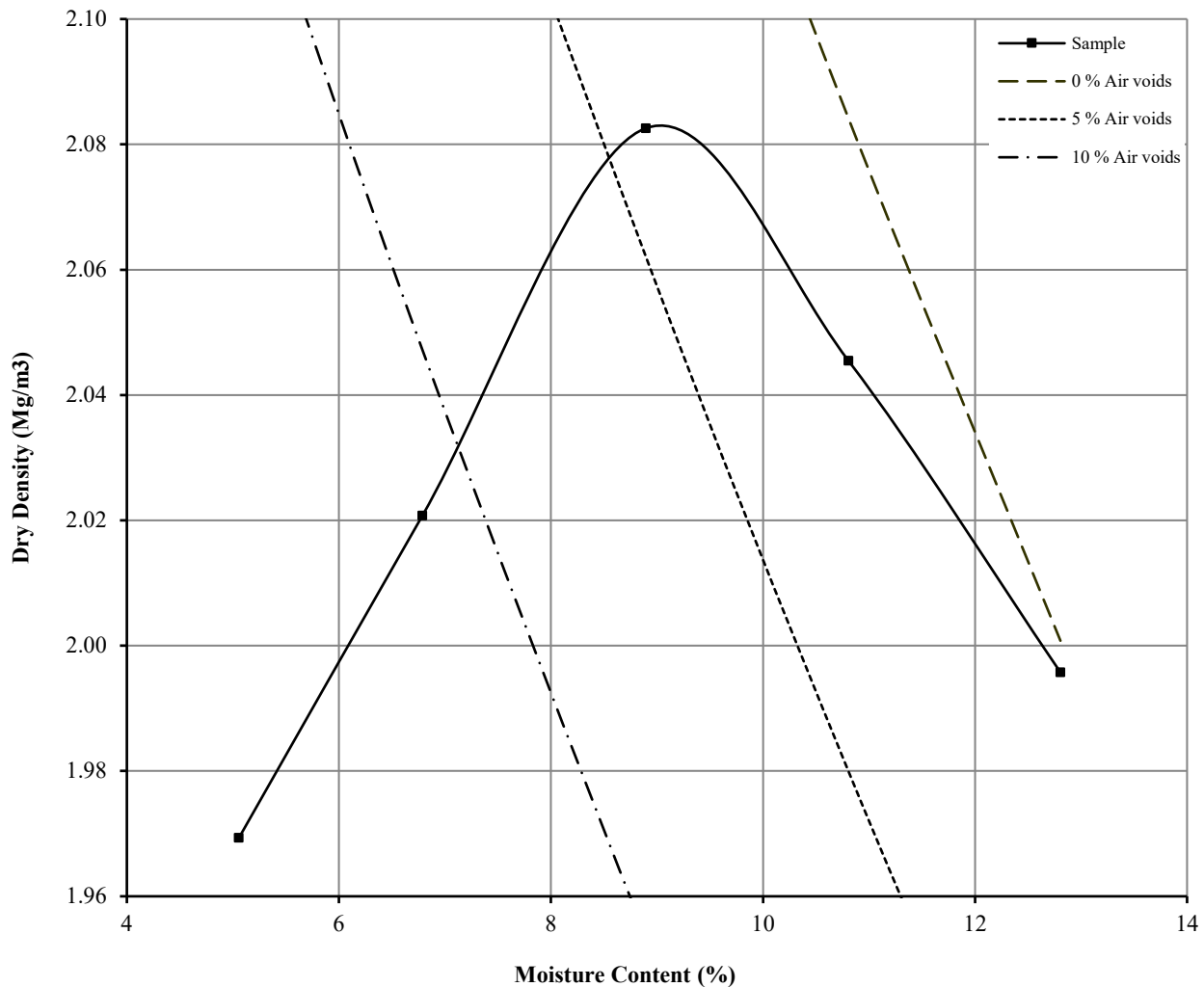
Hole Number: CP101

Top Depth (m) : 3.00

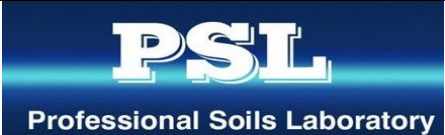
Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	6.8	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m ³):	2.69	Assumed	Material Retained on 37.5 mm Test Sieve (%):	14
Maximum Dry Density (Mg/m ³):	2.08		Material Retained on 20.0 mm Test Sieve (%):	23
Optimum Moisture Content (%):	9			
Remarks See summary of soil descriptions				

		Edenfield Road	Contract
			PSL22/7526
			Client Ref
			16-465

DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

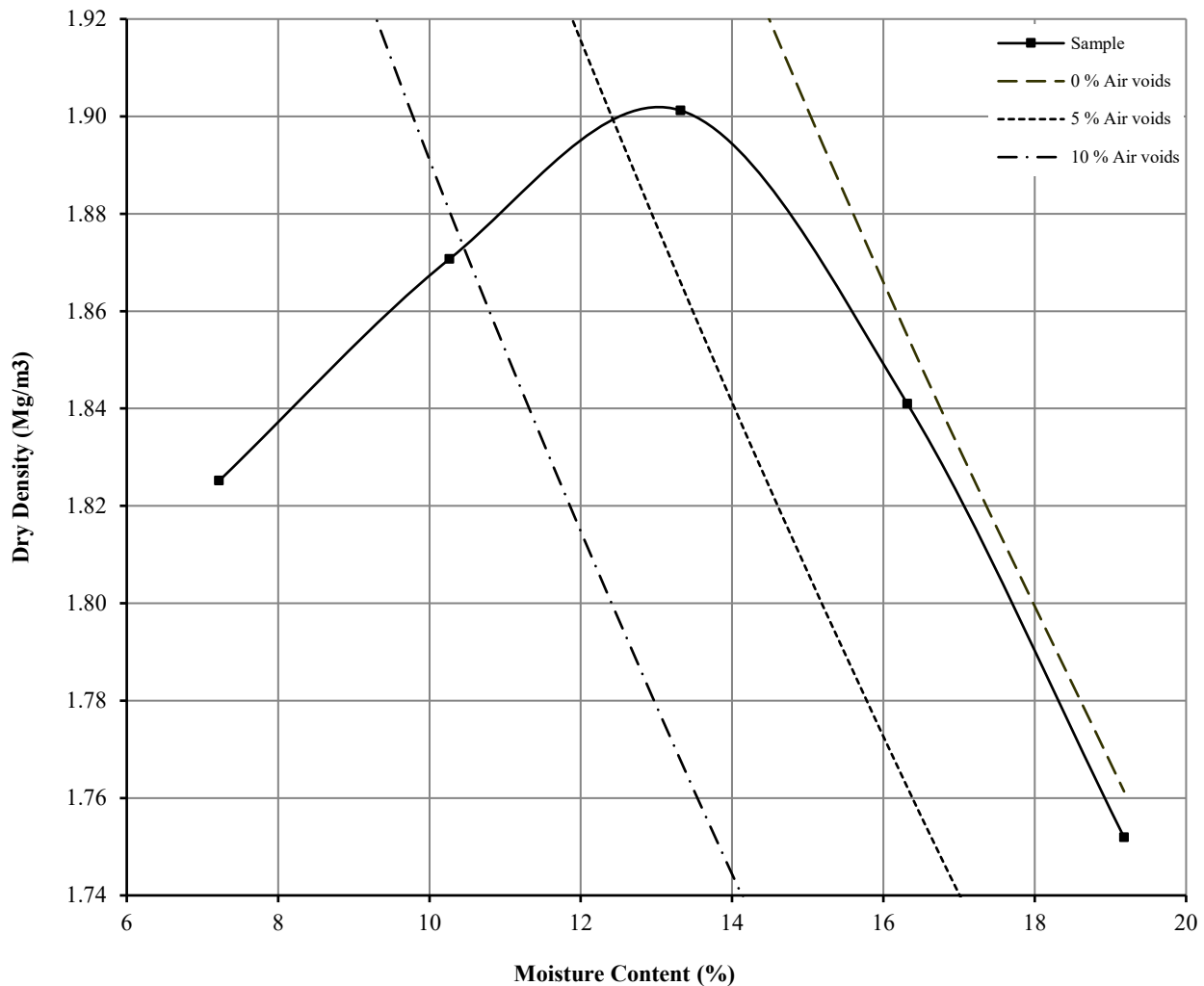
Hole Number: CP101

Top Depth (m) : 4.00

Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	19	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m ³):	2.66	Assumed	Material Retained on 37.5 mm Test Sieve (%):	12
Maximum Dry Density (Mg/m ³):	1.90		Material Retained on 20.0 mm Test Sieve (%):	1
Optimum Moisture Content (%):	13			
Remarks See summary of soil descriptions				



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Contract
PSL22/7526
Client Ref
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DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

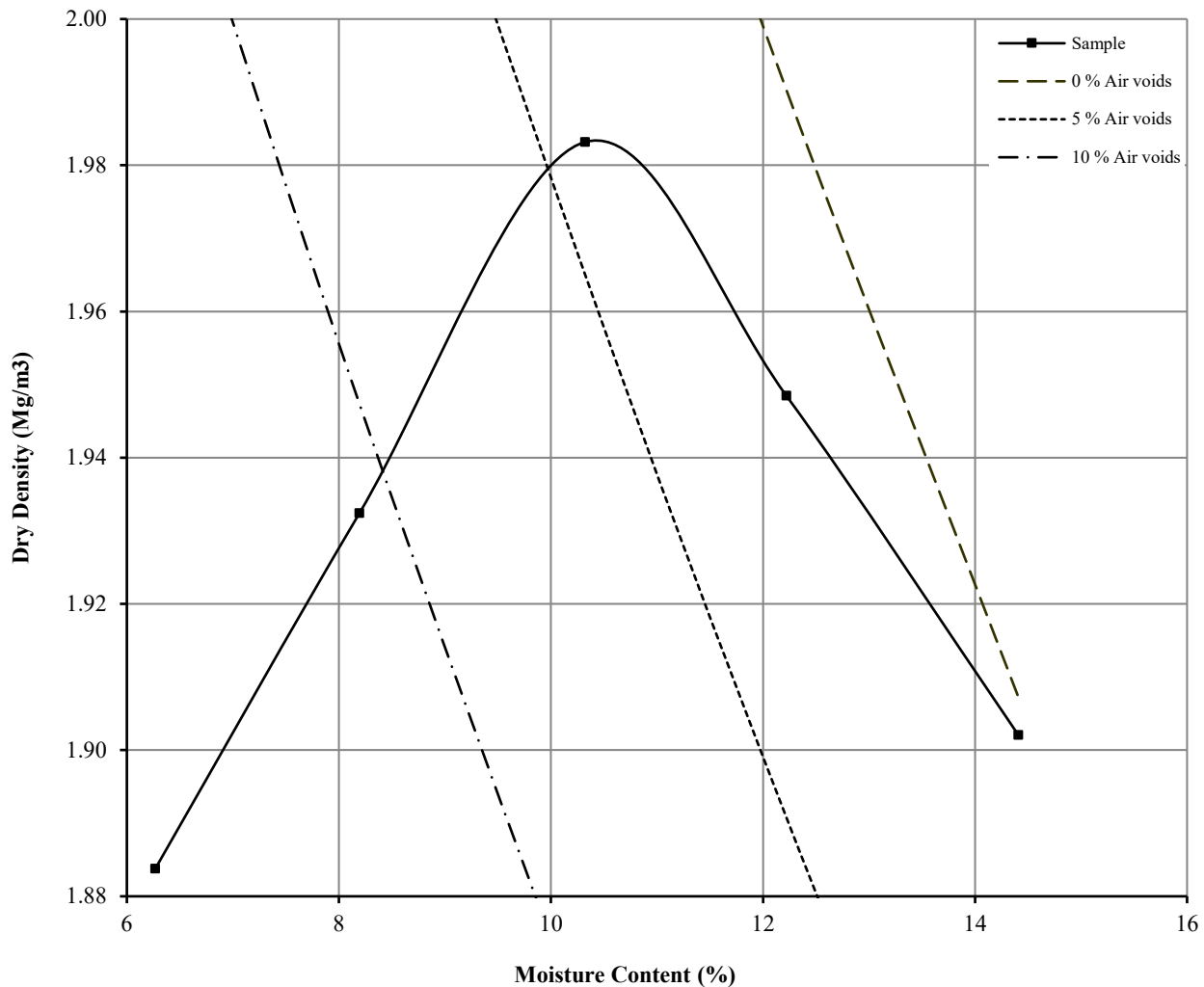
Hole Number: CP103

Top Depth (m) : 1.00

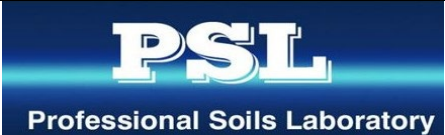
Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	16	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m3):	2.63	Assumed	Material Retained on 37.5 mm Test Sieve (%):	28
Maximum Dry Density (Mg/m3):	1.98		Material Retained on 20.0 mm Test Sieve (%):	8
Optimum Moisture Content (%):	10			
Remarks See summary of soil descriptions				

		Edenfield Road	Contract
			PSL22/7526
			Client Ref
			16-465

DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

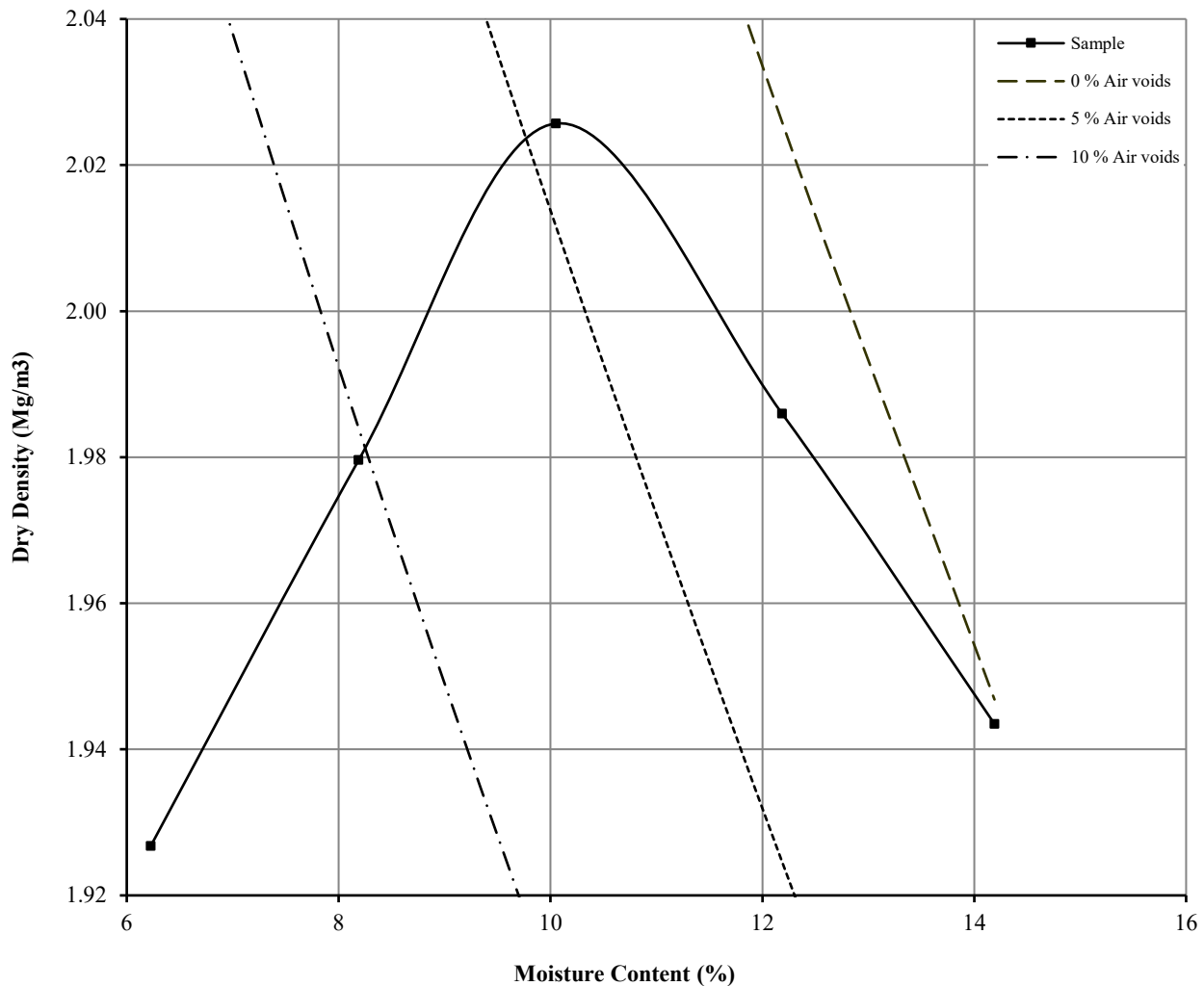
Hole Number: CP103

Top Depth (m) : 4.00

Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	12	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m3):	2.69	Assumed	Material Retained on 37.5 mm Test Sieve (%):	24
Maximum Dry Density (Mg/m3):	2.03		Material Retained on 20.0 mm Test Sieve (%):	36
Optimum Moisture Content (%):	10			
Remarks See summary of soil descriptions				



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Edenfield Road

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DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

BS 1377 : Part 4 : Clause 3.6 : 1990

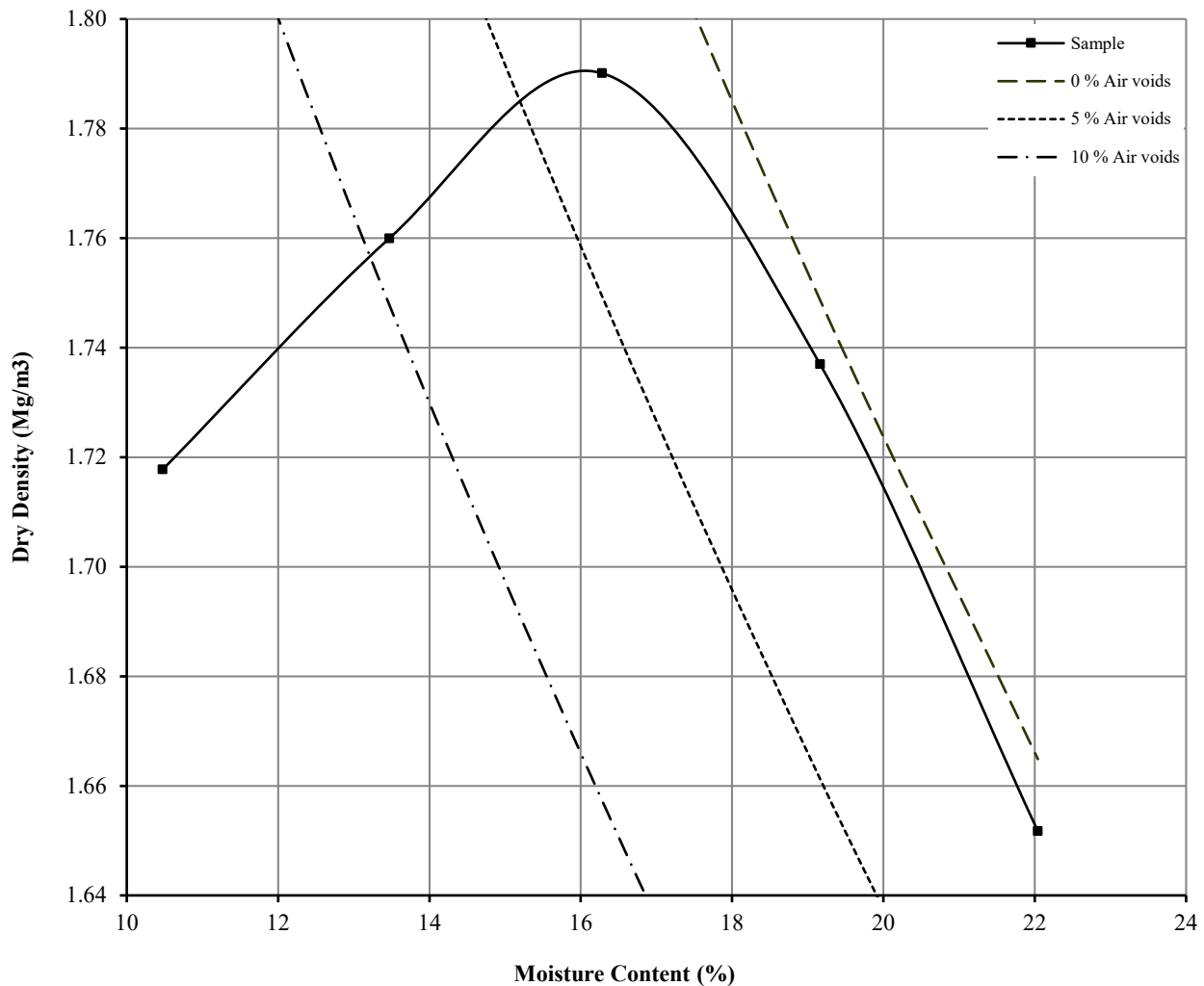
Hole Number: TP110

Top Depth (m) : 1.70

Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	25	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m ³):	2.63	Assumed	Material Retained on 37.5 mm Test Sieve (%):	4
Maximum Dry Density (Mg/m ³):	1.79		Material Retained on 20.0 mm Test Sieve (%):	2
Optimum Moisture Content (%):	16			
Remarks See summary of soil descriptions				



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DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

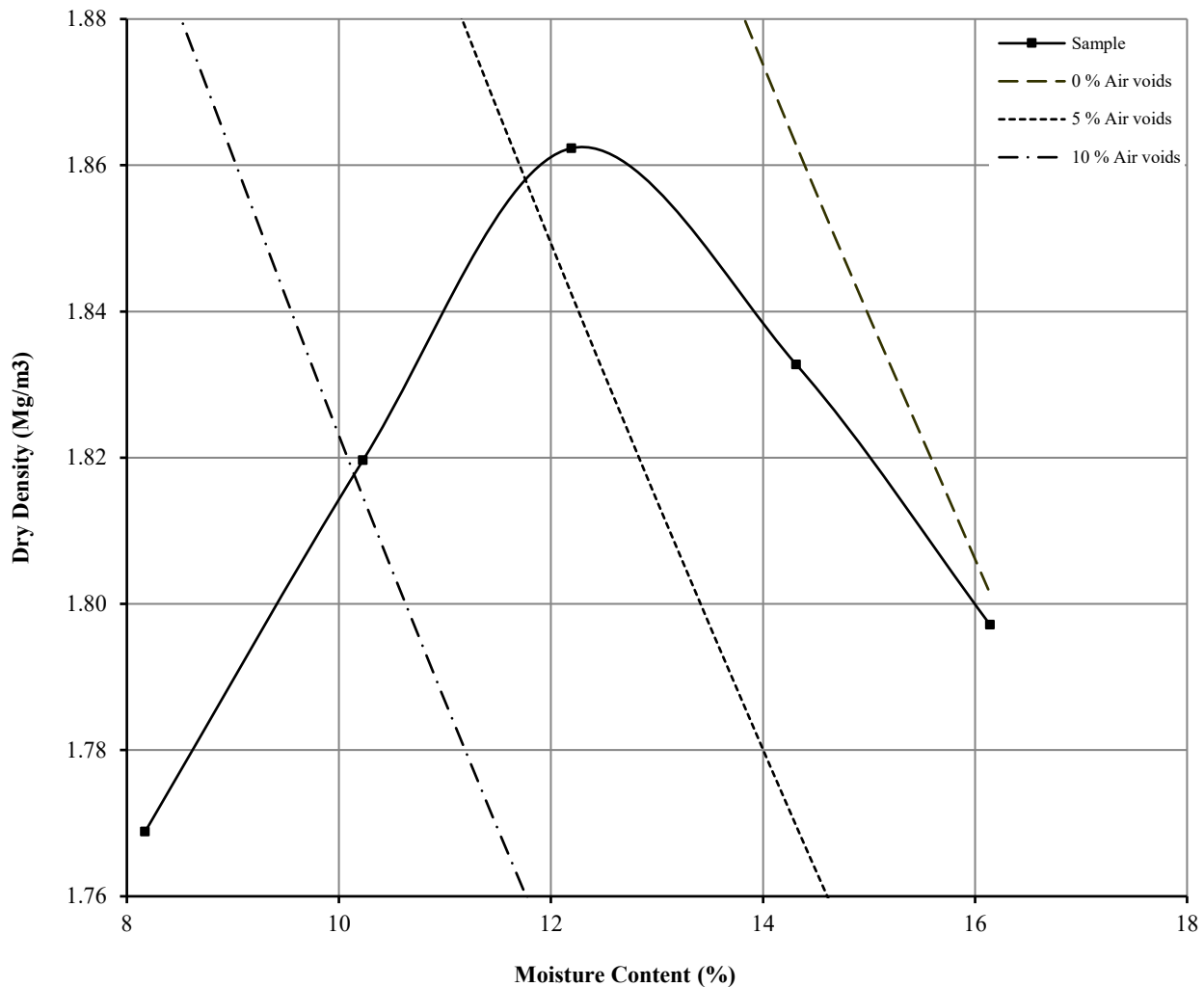
Hole Number: TP119

Top Depth (m) : 1.50

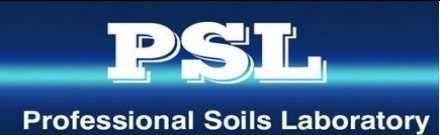
Sample Number:

Base Depth (m) :

Sample Type: B



Initial Moisture Content:	24	Method of Compaction:	4.5kg	Separate Samples
Particle Density (Mg/m ³):	2.54	Assumed	Material Retained on 37.5 mm Test Sieve (%):	39
Maximum Dry Density (Mg/m ³):	1.86		Material Retained on 20.0 mm Test Sieve (%):	19
Optimum Moisture Content (%):	12			
Remarks See summary of soil descriptions				

		Edenfield Road	Contract
			PSL22/7526
			Client Ref
			16-465

UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION

WITHOUT MEASUREMENT OF PORE PRESSURE

BS1377 : Part7 : 1990: Clause 8

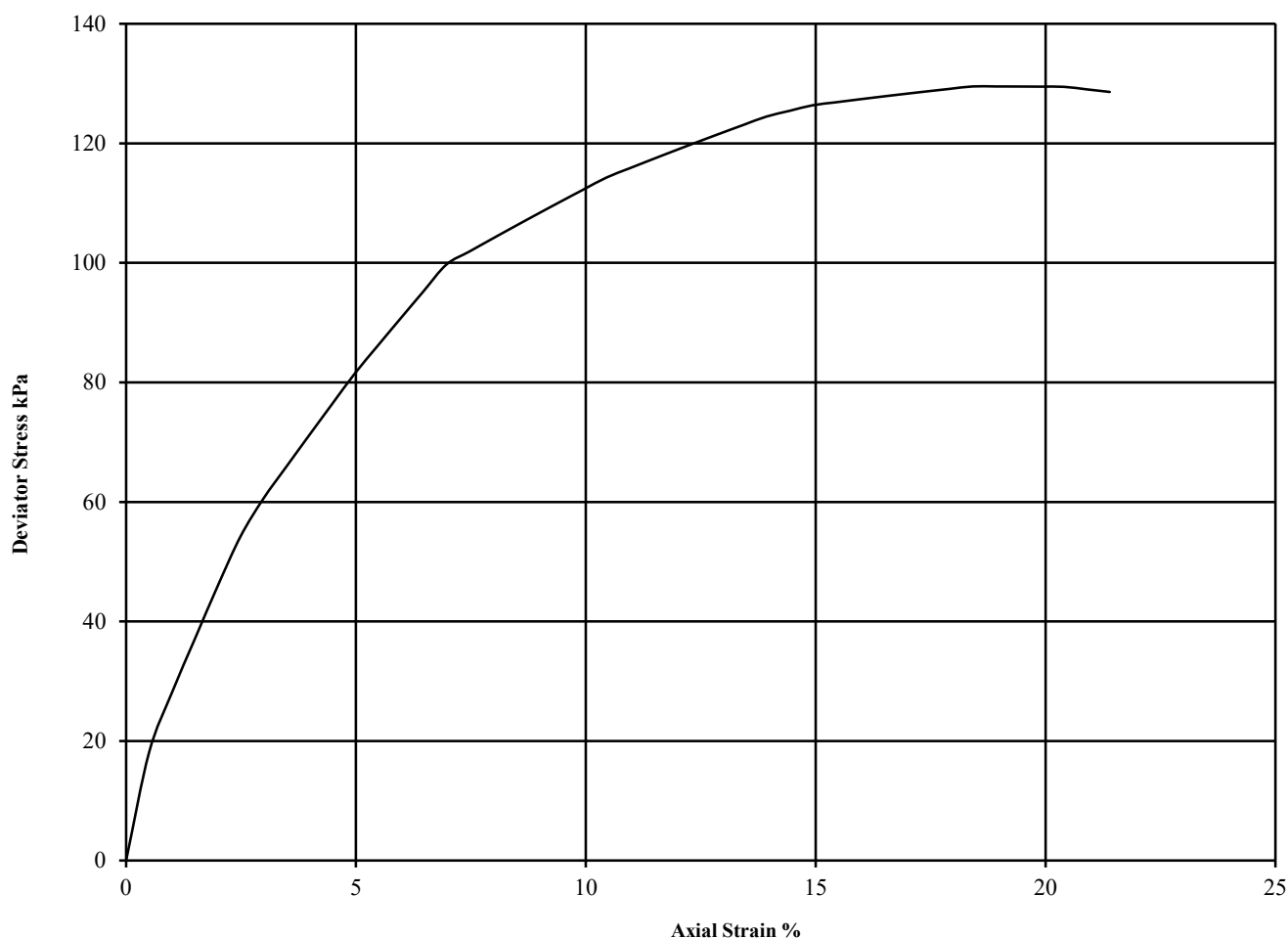
Hole Number: CP101

Top Depth (m): 8.00

Sample Number:

Base Depth (m):

Sample Type U100



Diameter (mm):		103	Height (mm):		207	Test:	UU Single Stage		Remarks:
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Corr. Max. Deviator Stress (kPa)	Shear Strength Cu (kPa)	Failure Strain (%)	Mode of Failure	Undisturbed Sample Sample taken from top of tube Rate of strain = 2 %/min Latex Membrane used 0.2 mm thick, Correction applied 0.33 See summary of soil descriptions
				θ_3	$(\theta_1 - \theta_3)_f$	$\frac{1}{2}(\theta_1 - \theta_3)_f$			
1	14	2.17	1.91	165	130	65	18.4	Plastic	



4043

PSL

Professional Soils Laboratory

Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

ONE DIMENSIONAL CONSOLIDATION TEST

BS 1377: Part 5: 1990: Clause 3

Hole Number: CP101

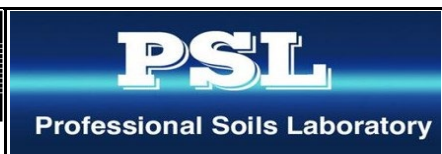
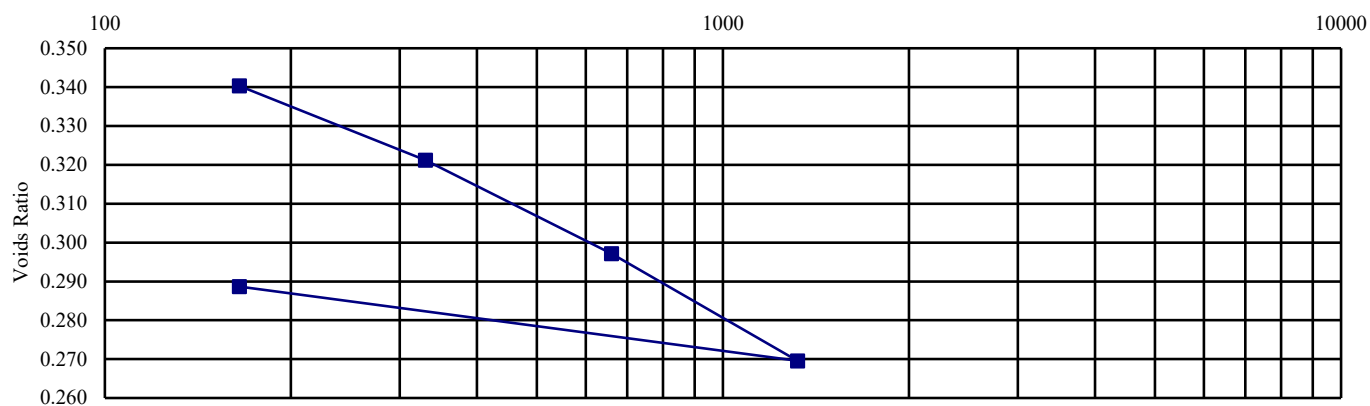
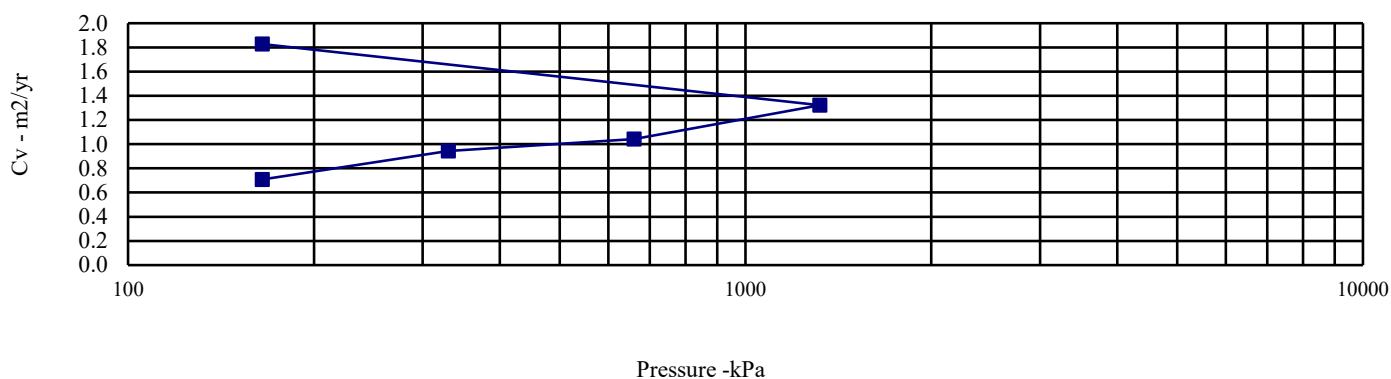
Top Depth (m): 8.00

Sample Number:

Base Depth (m) :

Sample Type: U100

Initial Conditions		Pressure Range		Mv	Cv	Specimen location	
Moisture Content (%):	15	kPa		m2/MN	m2/yr	within tube:	Top
Bulk Density (Mg/m3):	2.18	0	165	0.249	0.708	Method used to	
Dry Density (Mg/m3):	1.90	165	330	0.087	0.944	determine CV:	T90
Voids Ratio:	0.398	330	660	0.055	1.042	Nominal temperature	
Degree of saturation:	101.5	660	1320	0.032	1.322	during test ' C:	20
Height (mm):	20.018	1320	165	0.013	1.828	Remarks:	
Diameter (mm)	75.01					See summary of soil descriptions	
Particle Density (Mg/m3):	2.65						
Assumed							



Edenfield Road

Contract No:

PSL22/7526

Client Ref:

16-465

ONE DIMENSIONAL CONSOLIDATION TEST

BS 1377: Part 5: 1990: Clause 3

Hole Number: CP103

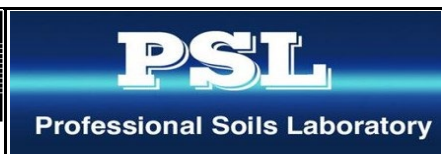
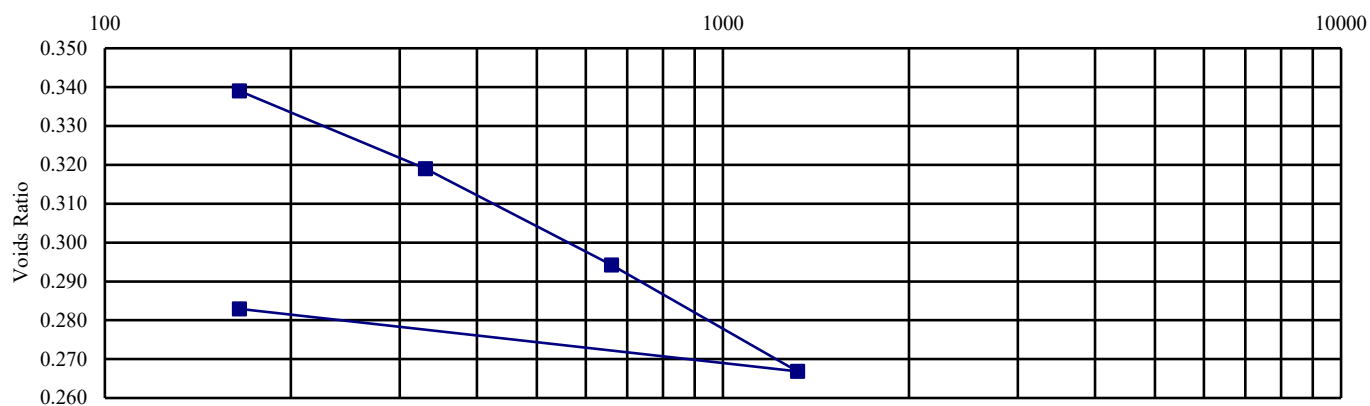
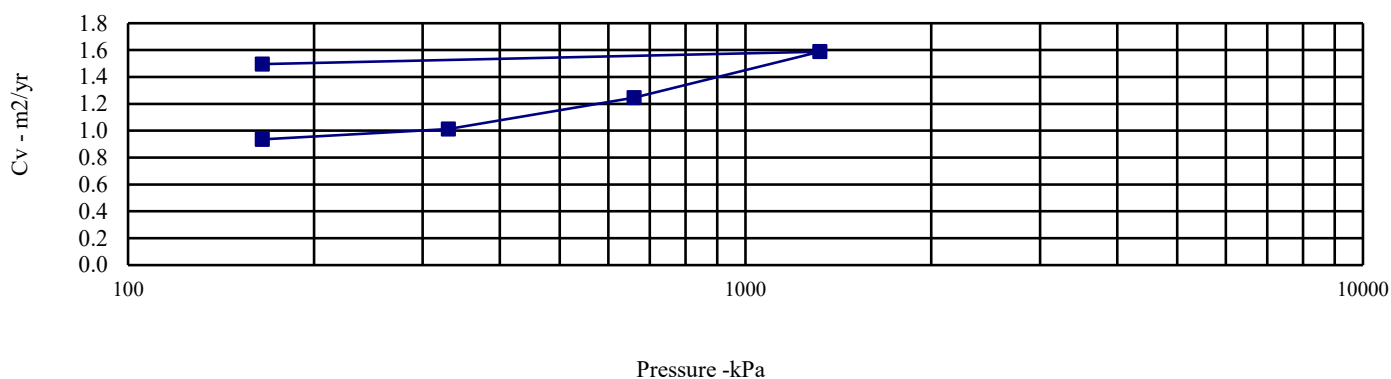
Top Depth (m): 8.00

Sample Number:

Base Depth (m) :

Sample Type: U100

Initial Conditions		Pressure Range		Mv	Cv	Specimen location	
Moisture Content (%):	15	kPa		m2/MN	m2/yr	within tube:	Top
Bulk Density (Mg/m3):	2.19	0	165	0.220	0.936	Method used to	
Dry Density (Mg/m3):	1.91	165	330	0.091	1.013	determine CV:	T90
Voids Ratio:	0.390	330	660	0.057	1.246	Nominal temperature	
Degree of saturation:	101.6	660	1320	0.032	1.588	during test ' C:	20
Height (mm):	20.004	1320	165	0.011	1.495	Remarks:	
Diameter (mm)	75.015					See summary of soil descriptions	
Particle Density (Mg/m3):	2.65						
Assumed							



Edenfield Road

Contract No:
PSL22/7526
Client Ref:
16-465

**APPENDIX IX
BRE 365 SOAKAWAY
PERMEABILITY TEST
CERTIFICATES**



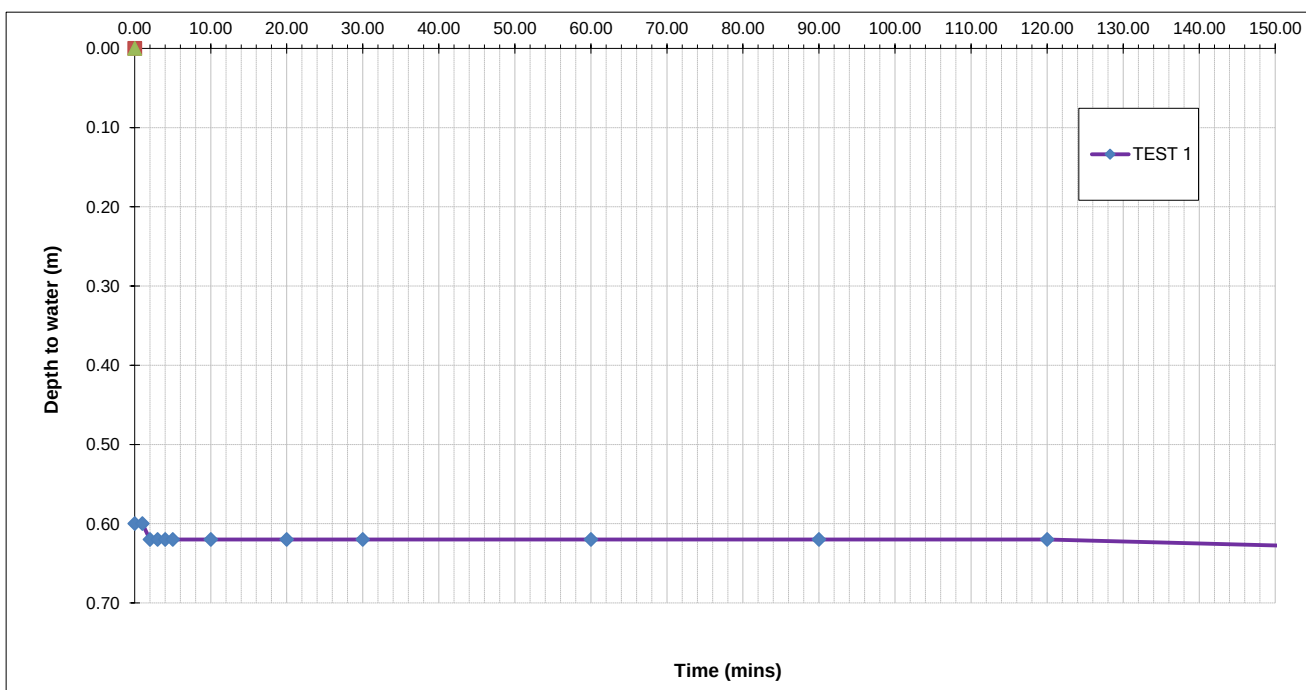
Site: Edenfield Road
Job Number: 16-465
Date of Test: 15/11/2022

Trial Pit Number: TP101
Length: 1.60 m
Width: 0.60 m
Depth: 2.00 m
Groundwater Level: m

		TEST 1		TEST 2		TEST 3	
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
		0.00	0.60	0.00	0.00	0.00	0.00
		1.00	0.60				
		2.00	0.62				
		3.00	0.62				
		4.00	0.62				
		5.00	0.62				
		10.00	0.62				
		20.00	0.62				
		30.00	0.62				
		60.00	0.62				
		90.00	0.62				
		120.00	0.62				
		240.00	0.65				
		300.00	0.65				
		360.00	0.65				
		420.00	0.65				
		480.00	0.65				
		1440.00	0.65				
Effective Storage Depth	m		1.40		2.00		2.00
75% Effective Storage Depth	m		1.05		1.50		1.50
(i.e. depth below GL)	m		0.95		0.50		0.50
25% Effective Storage Depth	m		0.35		0.50		0.50
(i.e. depth below GL)	m		1.65		1.50		1.50
Effective Storage Depth 75%-25%	m		0.70		1.00		1.00
Time to fall to 75% effective depth	mins		N/A		0.00		0.00
Time to fall to 25% effective depth	mins		0.00		0.00		0.00
V (75%-25%)	m3		0.67		0.96		0.96
a (50%)	m2		4.04		5.36		5.36
t (75%-25%)	mins		#VALUE!		0.00		0.00
SOIL INFILTRATION RATE	m/s		N/A		#DIV/0!		#DIV/0!

DESIGN SOIL INFILTRATION RATE, f

N/A



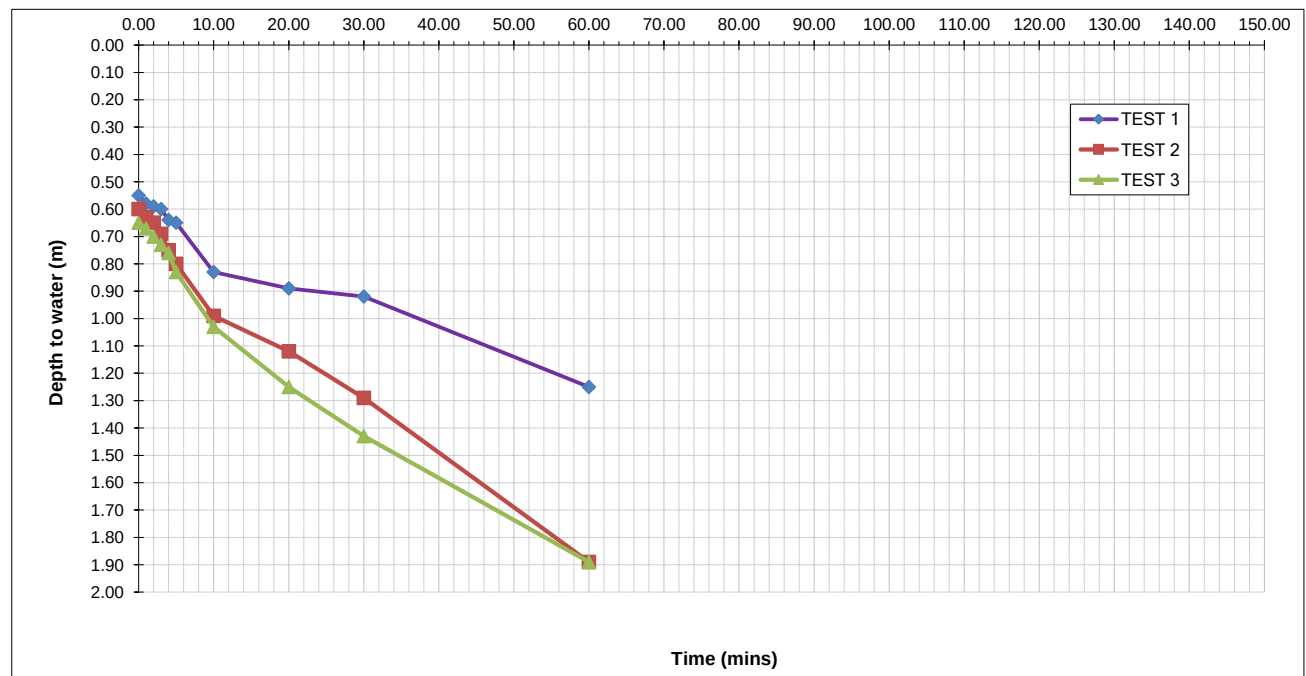


Site: Edenfield Road
Job Number: 16-465
Date of Test: 16/11/2022

Trial Pit Number: TP115
Length: 1.95 m
Width: 0.80 m
Depth: 1.90 m
Groundwater Level: m

		TEST 1		TEST 2		TEST 3	
		Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)	Time(min)	Depth to Water (m)
		0.00	0.55	0.00	0.60	0.00	0.65
		1.00	0.58	1.00	0.63	1.00	0.67
		2.00	0.59	2.00	0.65	2.00	0.70
		3.00	0.60	3.00	0.69	3.00	0.73
		4.00	0.64	4.00	0.75	4.00	0.76
		5.00	0.65	5.00	0.8	5.00	0.83
		10.00	0.83	10.00	0.99	10.00	1.03
		20.00	0.89	20.00	1.12	20.00	1.25
		30.00	0.92	30.00	1.29	30.00	1.43
		60.00	1.25	60.00	1.89	60.00	1.89
		SA Caved in					
Effective Storage Depth	m		1.35		1.30		1.25
75% Effective Storage Depth	m		1.01		0.98		0.94
(i.e. depth below GL)	m		0.89		0.93		0.96
25% Effective Storage Depth	m		0.34		0.33		0.31
(i.e. depth below GL)	m		1.56		1.58		1.59
Effective Storage Depth 75%-25%	m		0.68		0.65		0.63
Time to fall to 75% effective depth	mins		20.00		7.00		7.00
Time to fall to 25% effective depth	mins		0.00		44.00		40.00
V (75%-25%)	m3		1.05		1.01		0.98
a (50%)	m2		5.27		5.14		5.00
t (75%-25%)	mins		-20.00		37.00		33.00
SOIL INFILTRATION RATE	m/s		-1.66E-04		8.89E-05		9.85E-05

DESIGN SOIL INFILTRATION RATE, f -1.66E-04



APPENDIX X

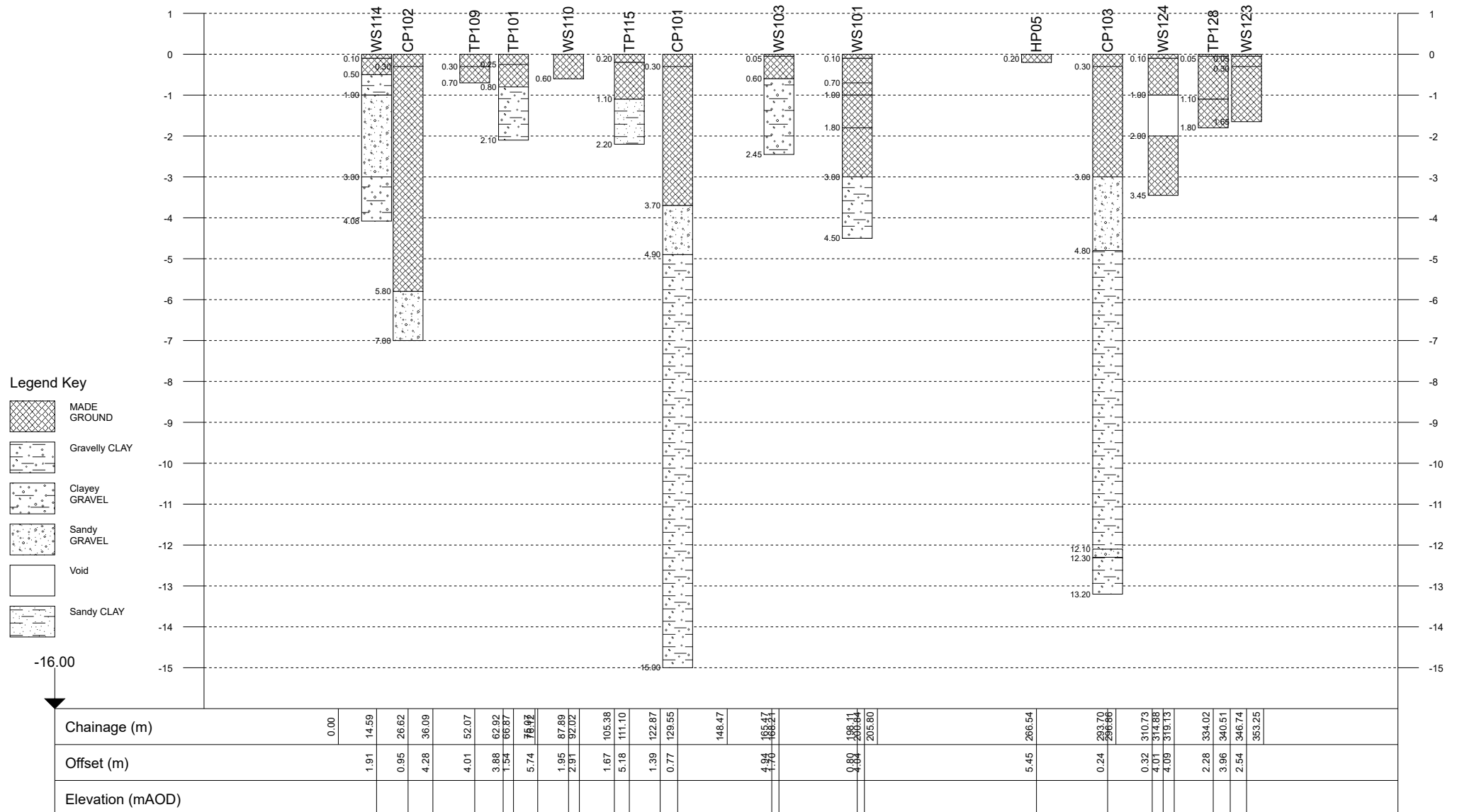
CROSS SECTIONS

Title: Section line 1

Vertical Scale: 1:131

Horizontal Scale: 1:2046

Engineer: HM



APPENDIX XI

BGS RADON REPORT

Claire Gleave
E3p
Evans Halshaw
Taylor Road
Urmston
Manchester
M41 7JQ

Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_330931/42069*

Client reference: 16465