 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP208 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.90		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES		0.15		 Grass over dark brown sandy clayey slightly gravelly TOPSOIL with rootlets. Gravel is fine to medium sub-rounded to angular flint.	 Brown clayey slightly sandy gravelly MADE GROUND. Gravel is fine to cobble-sized sub-rounded concrete, fine to cobble-sized sub-rounded to angular brick, occasional ceramic pipe fragments. <i>Boulder of concrete present within made ground.</i>	 Medium dense reddish brown coarse SAND.
	0.30	ES						
	0.50	ES						
				0.80				
				0.90			----- End of pit at 0.90 m	

Remarks: Trial pit remained dry and stable.



Stability: Stable

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP209 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.80		Scale 1:25	
Client: BoKlok Housing Ltd.								Logged KT	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.05	ES	N=13	0.10		Grass over brown silty sandy slightly clayey TOPSOIL with rootlets. Reddish brown slightly sandy clayey slightly gravelly MADE GROUND. Gravel is fine to cobble-sized brick, fine to cobble-sized concrete, and fine to coarse sub-rounded to angular flint. <u>Boulder of concrete present within made ground.</u>	1	
	0.40	ES		0.60				Firm reddish brown slightly sandy gravelly CLAY. <u>Clay becomes sandier with depth</u>
				0.80				<u>Hand Pen at 0.8m = 140kPa</u> End of pit at 0.80 m
								2
								3
								4
								5

Remarks: Trial pit remained dry and stable.		
Stability: Stable		

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP210 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.80		Scale 1:25	
Client: BoKlok Housing Ltd.								Logged KT	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	N=17	0.15			Grass over dark brown silty sandy slightly clayey TOPSOIL with occasional rootlets.	1 2 3 4 5
	0.30	ES		0.60				
				0.80		Hand Pen at 0.8m = 240kPa End of pit at 0.80 m		

Remarks: Trial pit remained dry and stable.		
Stability: Stable		

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP211 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 1.10		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	N=24	0.15		 Grass over brown silty sandy gravelly slightly clayey TOPSOIL. Gravel is fine angular flint.	Hand Pen at 1.1m = 130kPa End of pit at 1.10 m	
	0.40	ES			 Brown sandy clayey slightly gravelly MADE GROUND. Gravel is medium to cobble-sized brick, fine to cobble-sized sub-rounded to sub-angular flint, and rare fine blacktop fragments.			
				0.80	 Firm reddish brown sandy CLAY.			
				1.10				

Remarks: Trial pit remained dry and stable.

Stability: Stable



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH41YA				Trial Pit Log				Trialpit No TP216 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.76		Scale 1:25	
Client: BoKlok Housing Ltd.								Logged KT	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
	Depth	Type	Results							
	0.05	ES	N=14				Grass over brown sandy gravelly MADE GROUND. Gravel is fine to cobble-sized brick, fine to coarse sub-angular to angular flint, and fine to coarse sub-rounded concrete. <i>Made ground becomes clayey with depth</i> <i>Dead electric cable at 0.3m. Cable Avoidance Tool did not detect signal.</i> Firm reddish brown slightly sandy CLAY. <i>Hand Pen at 0.76m = 160kPa</i> End of pit at 0.76 m	1		
	0.40	ES		0.45						2
				0.76						
								4		
								5		

Remarks: Trial pit remained dry and stable.	
Stability: Stable	

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH41YA				Trial Pit Log				Trialpit No TP218 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring			Project No. LP2466		Co-ords: - Level:		Date 12/02/2021		
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH					Dimensions (m): Depth 2.70		Scale 1:25		
Client: BoKlok Housing Ltd.							Logged KT		

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES					Brown gravelly sandy silty MADE GROUND. Gravel is fine to cobble-sized sub-rounded to sub-angular bricks, fine to cobble-sized sub-rounded to sub-angular concrete, and fine to coarse angular to sub-rounded flint. <i>Rootlets present in made ground within top 0.1m</i>	1
	0.30	ES						
	1.50	ES		1.40			<i>Boulder-sized brick wall fragment present within made ground</i> <i>Boulder of concrete present within made ground.</i> <i>Made ground becomes clayey with depth</i>	2
				2.15			Reddish brown clayey slightly sandy gravelly MADE GROUND with frequent dark grey staining. Gravel is fine to medium sub-rounded to sub-angular brick, fine to coarse sub-rounded to angular flint, rare glass fragments, and rare plastic sheeting. <i>Fast seepage at 1.4m on northeast side of pit with minor collapse</i>	
				2.70			Firm reddish brown mottled greenish brown very sandy slightly gravelly CLAY. Sand is coarse. Gravel is rare fine sub-angular flint. <i>Hand Pen at 2.6m = 140kPa</i>	3
							End of pit at 2.70 m	
								4
								5

Remarks: Minor seepage was encountered at 1.4m on north east corner of pit, causing localised collapse within made ground. Water filled pit to 2.65m in 5 minutes.

Stability:

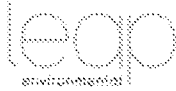
AGS

Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP219 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.80		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.05	ES	N=17	0.07			Grass over brown silty sandy slightly clayey TOPSOIL with rootlets.		Brown clayey sandy slightly gravelly MADE GROUND. Gravel is fine to coarse blacktop fragments, fine to cobble-sized sub-rounded to angular brick, and fine to coarse sub-rounded to sub-angular flint.
	0.30	ES		0.64					
				0.80			Hand Pen at 0.8m = 100kPa End of pit at 0.80 m		

Remarks: Trial pit remained dry and stable.

Stability: Stable

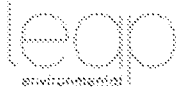
 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP221 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.53		Scale 1:25	
Client: BoKlok Housing Ltd.								Logged KT	

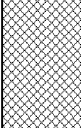
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES		0.53			Grass over brown slightly clayey sandy gravelly MADE GROUND. Gravel is fine to cobble-sized brick, occasional fine blacktop, and fine to coarse sub-angular to angular flint. <i>Made ground becomes clayey with depth</i> <i>Electrical cable warning tape present on side of pit at 0.4m</i> End of pit at 0.53 m	1
	0.30	ES						2
								3
								4
								5

Remarks: Trial pit remained dry and stable. Pit terminated at 0.53m due to suspected service.

Stability: Stable



 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP222 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 11/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 1.00		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
	0.05	ES	N=13	0.10		 Grass over brown silty sandy slightly clayey TOPSOIL with rootlets.  Brown sandy clayey gravelly MADE GROUND. Gravel is fine to cobble-sized brick, coarse to cobble-sized blacktop fragments, medium to cobble sized concrete, and medium to coarse sub-rounded to angular flint. <u>Boulder of concrete present within made ground.</u>  Firm reddish brown slightly sandy CLAY. <u>Hand Pen at 1m = 150kPa</u> End of pit at 1.00 m	
	0.45	ES		0.80			
				1.00			

Remarks: Trial pit remained dry and stable.

Stability: Stable

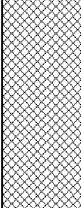
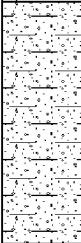


Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP223 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 2.30		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.20	ES	N=15	0.10		 	Grass over brown silty slightly sandy TOPSOIL with abundant roots. Brown sandy silty gravelly slightly clayey MADE GROUND. Gravel is fine to coarse sub-angular brick, fine to medium angular flint, and occasional medium sub-rounded clinker. Firm reddish brown sandy CLAY.	1	
	0.60	ES		0.30					
	1.00	D			1.70			Medium dense reddish brown mottled greenish grey medium to coarse-grained SAND.	2
	2.30	D			2.30				
End of pit at 2.30 m								3	
								4	
								5	

Remarks: Trial pit remained dry and stable.

Stability: Stable

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP224 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 2.20		Scale 1:25 Logged ADC	
Client: BoKlok Housing Ltd.									
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.10	ES	N=24	0.70			Grass over brown silty clayey MADE GROUND with fragments of brick and pipe and darkly stained pockets with a slight odour noted.		
	0.40	ES					Firm orangish brown sandy clay		
	1.00	D					Medium dense orange slightly silty slightly gravelly clayey SAND. Gravel is medium to coarse rounded flint.		
	2.20	D		2.20			End of pit at 2.20 m		
Remarks: Trial pit remained dry and stable.									
Stability: Stable									



Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA				Trial Pit Log				Trialpit No TP225 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 12/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m):		Scale 1:25	
Client: BoKlok Housing Ltd.						Depth 0.95		Logged KT	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
	Depth	Type	Results							
	0.10	ES					Grass over brown sandy clayey slightly gravelly MADE GROUND. Gravel is rare fine to cobble-sized brick, medium sub-rounded concrete, and fine to coarse sub-angular to sub-rounded flint.			
	0.45	ES		0.40 0.50					Weathered BLACKTOP	
			N=14	0.95					Firm reddish brown sandy CLAY. Hand Pen at 0.95m = 165kPa End of pit at 0.95 m	1
									2	
									3	
									4	
									5	

Remarks: Trial pit remained dry and stable.		
Stability: Stable		

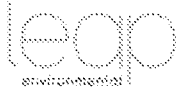
Leap Environmental Ltd The Atrium, Curtis Road 				Trial Pit Log				Trialpit No TP226 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 2.50 		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									

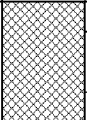
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.10	ES	N=13	0.10		Grass over dark brown silty sandy slightly clayey TOPSOIL with abundant rootlets. Brown silty slightly sandy slightly gravelly clayey MADE GROUND. Gravel is rare fine to coarse sub-rounded brick and rare fine to medium sub-rounded flint.	1	
	0.50	ES		0.45		Firm reddish brown slightly sandy CLAY with rare rootlets.		
	1.10	D		1.50		Stiff reddish brown mottled greenish brown slightly sandy CLAY Hand Pen at 1.1m = 90kPa		2
	2.00	D				Clay becomes sandier with depth		
	2.50	D			2.50	End of pit at 2.50 m Hand Pen at 2.5m = 270kPa		
						3		
							4	
							5	

Remarks: Trial pit remained dry and stable.

Stability: Stable

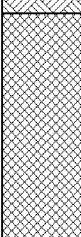
AGS

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1YA				Trial Pit Log				Trialpit No TP227 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.70		Scale 1:25	
Client: BoKlok Housing Ltd.								Logged KT	

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.20	ES				 Grass over brown silty slightly clayey slightly gravelly MADE GROUND. Gravel is fine to coarse sub-angular brick, and fine to medium sub-rounded to sub-angular flint. <i>Concrete slab (300mm thick) encountered at 0.1m</i> <i>50mm thick E-W plastic pipe encountered at 0.3m along southern site of pit</i>	1 2 3 4 5	
	0.35	ES		0.40				 Firm reddish brown slightly sandy CLAY
				0.70				End of pit at 0.70 m

Remarks: Trial pit remained dry and stable.	
Stability: Stable	

 Leap Environmental Ltd The Atrium, Curtis Road Dorking, Surrey RH4 1XA 				Trial Pit Log				Trialpit No TP228 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 10/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 2.30		Scale 1:25 Logged ADC	
Client: BoKlok Housing Ltd.									

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.15	ES	N=13	0.05		 Grass over brown clayey sandy TOPSOIL Brown REWORKED CLAY with fragments of wood, brick, and concrete.		
	0.35	ES						
	1.20	D		0.80		Firm orangish brown slightly sandy CLAY Hand Pen at 1m = 110kPa	1	
	2.20	D		2.00		Medium dense orange brown very clayey SAND	2	
				2.30		End of pit at 2.30 m	3	
							4	
							5	

Remarks: Trial pit remained dry and stable.

Stability: Stable



 Leap Environmental Ltd The Atrium, Curtis Road Buntingford, Cambs, CB11 1YA				Trial Pit Log				Trialpit No TP229 Sheet 1 of 1	
Project Name: Elmgrove Road Additional PAH Testing and Gas Monitoring				Project No. LP2466		Co-ords: - Level:		Date 12/02/2021	
Location: Land off Elmgrove Road, Littlehampton, BN17 6AH						Dimensions (m): Depth 0.50		Scale 1:25 Logged KT	
Client: BoKlok Housing Ltd.									
Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
	Depth	Type	Results						
	0.10	ES		0.15			Grass over brown silty sandy gravelly TOPSOIL. Gravel is fine sub-rounded flint, and fine sub-rounded to sub-angular brick.		
	0.50	ES		0.50			Brown sandy silty gravelly MADE GROUND. Gravel is occasional coarse blacktop, fine to coarse sub-rounded flint, fine to cobble-sized sub-rounded to sub-angular brick. <i>Yellow warning tape present at 0.5m</i> <i>Dead electric cable oriented east-west at 0.5m. Cable Avoidance Tool did not detect signal.</i> <i>0.5m wide ballast layer running north-south through centre of pit at 0.5mbgl</i> End of pit at 0.50 m		
1 2 3 4 5									
Remarks: Pit terminated due to unknown cable encountered at 0.5m. Pit remained dry and stable									
Stability: Stable									



APPENDIX E – CHEMICAL LABORATORY TEST RESULTS

Chemical Laboratory Test Results



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY



THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 21-32115

Issue: 1

Date of Issue: 19/02/2021

Contact: Kleri Tantele

Customer Details: Leap Environmental Ltd
Book House
Glebelands Centre
Dorking
Surrey RH4 3HW

Quotation No: Q14-00063

Order No: LPO-3347

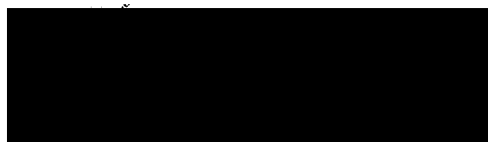
Customer Reference: LP2466

Date Received: 15/02/2021

Date Approved: 19/02/2021

Details: Elmgrove Road, Littlehampton

Approved by:



Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 21-32115, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
227392	TP223 0.20	10/02/2021	15/02/2021	Silty loam	
227393	TP223 0.60	10/02/2021	15/02/2021	Silty loam	
227394	FP5 0.05	10/02/2021	15/02/2021		
227395	FP5 0.50	10/02/2021	15/02/2021	Silty loam	
227396	TP224 0.10	10/02/2021	15/02/2021	Silty loam	
227397	TP224 0.40	10/02/2021	15/02/2021	Silty loam	
227398	TP227 0.20	10/02/2021	15/02/2021	Silty loam	
227399	TP227 0.35	10/02/2021	15/02/2021	Silty loam	
227400	TP226 0.10	10/02/2021	15/02/2021		
227401	TP226 0.50	10/02/2021	15/02/2021	Silty loam	
227402	TP228 0.15	10/02/2021	15/02/2021	Silty loam	
227403	TP228 0.35	10/02/2021	15/02/2021	Silty loam	
227404	TP201 0.05	10/02/2021	15/02/2021	Silty loam	
227405	TP201 0.30	10/02/2021	15/02/2021	Silty loam	
227406	TP201 1.05	10/02/2021	15/02/2021	Silty loam	
227407	TP202 0.10	10/02/2021	15/02/2021	Silty loam	
227408	TP202 0.30	10/02/2021	15/02/2021	Silty loam	
227409	TP203 0.10	10/02/2021	15/02/2021	Silty loam	
227410	TP203 0.40	10/02/2021	15/02/2021	Silty loam	
227411	TP204 0.15	10/02/2021	15/02/2021	stones	
227412	TP204 0.30	10/02/2021	15/02/2021	Silty loam	
227413	TP204 0.40	10/02/2021	15/02/2021	Silty loam	
227414	TP205 0.10	10/02/2021	15/02/2021	Silty loam	
227415	TP205 0.50	10/02/2021	15/02/2021	Silty loam	
227416	TP206 0.05	10/02/2021	15/02/2021	Silty loam	
227417	TP206 0.30	10/02/2021	15/02/2021	Silty loam	
227418	TP207 0.20	10/02/2021	15/02/2021	Silty loam	
227419	TP207 0.45	10/02/2021	15/02/2021	Silty loam	
227420	TP209 0.05	10/02/2021	15/02/2021	Silty loam	
227421	TP209 0.40	10/02/2021	15/02/2021	Silty loam	
227422	TP212 0.05	11/02/2021	15/02/2021	Silty loam	
227423	TP212 0.30	11/02/2021	15/02/2021	Silty loam	
227424	TP216 0.05	11/02/2021	15/02/2021	Silty loam	
227425	TP216 0.40	11/02/2021	15/02/2021	Sandy silty loam	
227426	FP3 0.80	11/02/2021	15/02/2021	Silty loam	

Sample Summary

Report No.: 21-32115, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
227427	TP221 0.10	11/02/2021	15/02/2021	Sandy silty loam	
227428	TP221 0.30	11/02/2021	15/02/2021	Sandy silty loam	
227429	TP222 0.05	11/02/2021	15/02/2021	Silty loam	
227430	TP222 0.45	11/02/2021	15/02/2021	Silty loam	
227431	TP220 0.10	11/02/2021	15/02/2021	Silty loam	
227432	TP220 0.30	11/02/2021	15/02/2021	Silty loam	
227433	FP2 0.10	11/02/2021	15/02/2021		
227434	FP2 0.40	11/02/2021	15/02/2021		
227435	TP214 0.005	11/02/2021	15/02/2021	Silty loam	
227436	TP214 0.30	11/02/2021	15/02/2021	Silty loam	
227437	TP214 0.75	11/02/2021	15/02/2021	Silty loam	
227438	FP7 0.10	11/02/2021	15/02/2021		
227439	FP7 0.40	11/02/2021	15/02/2021		
227440	TP208 0.10	11/02/2021	15/02/2021	Silty loam	
227441	TP208 0.30	11/02/2021	15/02/2021	Silty loam	
227442	TP208 0.50	11/02/2021	15/02/2021	Silty loam	
227443	TP219 0.05	11/02/2021	15/02/2021	Silty loam	
227444	TP219 0.30	11/02/2021	15/02/2021	Silty loam	
227445	TP210 0.10	11/02/2021	15/02/2021	Silty loam	
227446	TP210 0.30	11/02/2021	15/02/2021	Silty loam	
227447	TP211 0.10	11/02/2021	15/02/2021	Silty loam	
227448	TP211 0.40	11/02/2021	15/02/2021	Silty loam	
227449	TP218 0.10	12/02/2021	15/02/2021	Silty loam	
227450	TP218 0.30	12/02/2021	15/02/2021	Silty loam	
227451	TP218 1.50	12/02/2021	15/02/2021	Silty loam	
227452	TP229 0.10	12/02/2021	15/02/2021	Silty loam	
227453	TP229 0.50	12/02/2021	15/02/2021	Sandy silty loam	
227454	TP225 0.10	12/02/2021	15/02/2021		
227455	TP225 0.45	12/02/2021	15/02/2021	Sandy silty loam	
227456	TP213 0.05	12/02/2021	15/02/2021	Silty loam	
227457	TP213 0.30	12/02/2021	15/02/2021	Silty loam	
227458	FP1 0.05	12/02/2021	15/02/2021		
227459	FP1 0.30	12/02/2021	15/02/2021		
227460	FP1 1.50	12/02/2021	15/02/2021	Silty loam	
227461	TP215 0.10	12/02/2021	15/02/2021		
227462	TP215 0.30	12/02/2021	15/02/2021		
227463	FP5 1.10	10/02/2021	15/02/2021		



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ELAB Reference	227392	227393	227395	227396	227397	227398
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP223	TP223	FP5	TP224	TP224	TP227
Sample Depth (m)	0.20	0.60	0.50	0.10	0.40	0.20
Sampling Date	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	0.03	< 0.01	< 0.01
Acenaphthylene GCMS	N	mg/kg	0.01	0.12	< 0.01	< 0.01
Acenaphthene GCMS	N	mg/kg	0.01	0.06	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	0.05	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	1.66	< 0.01	0.07
Anthracene GCMS	N	mg/kg	0.01	0.43	< 0.01	0.03
Fluoranthene GCMS	N	mg/kg	0.01	4.13	0.01	0.13
Pyrene GCMS	N	mg/kg	0.01	3.85	< 0.01	0.11
Benzo(a)anthracene GCMS	N	mg/kg	0.01	2.20	< 0.01	0.06
Chrysene GCMS	N	mg/kg	0.01	2.26	< 0.01	0.07
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	2.35	< 0.01	0.05
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	2.39	< 0.01	0.08
Benzo(a)pyrene GCMS	N	mg/kg	0.01	2.76	< 0.01	0.07
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	1.68	< 0.01	0.03
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.42	< 0.01	0.01
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	2.08	< 0.01	0.04
Total PAH(16) GCMS	N	mg/kg	0.04	26.5	0.07	0.78

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ELAB Reference	227399	227401	227402	227403	227404	227405
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP227	TP226	TP228	TP228	TP201	TP201
Sample Depth (m)	0.35	0.50	0.15	0.35	0.05	0.30
Sampling Date	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	< 0.01	0.02	0.02
Acenaphthylene GCMS	N	mg/kg	0.01	< 0.01	0.01	0.06
Acenaphthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.01
Fluorene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.03
Phenanthrene GCMS	N	mg/kg	0.01	0.02	0.07	0.76
Anthracene GCMS	N	mg/kg	0.01	< 0.01	0.02	0.28
Fluoranthene GCMS	N	mg/kg	0.01	0.05	0.24	1.18
Pyrene GCMS	N	mg/kg	0.01	0.05	0.23	1.06
Benzo(a)anthracene GCMS	N	mg/kg	0.01	0.03	0.13	0.67
Chrysene GCMS	N	mg/kg	0.01	0.04	0.19	0.65
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	0.03	0.20	0.59
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	0.05	0.22	0.61
Benzo(a)pyrene GCMS	N	mg/kg	0.01	0.04	0.22	0.67
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	0.02	0.12	0.36
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	< 0.01	0.03	0.10
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	0.03	0.13	0.48
Total PAH(16) GCMS	N	mg/kg	0.04	0.37	1.83	7.52

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ELAB Reference	227406	227407	227408	227409	227410	227411
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP201	TP202	TP202	TP203	TP203	TP204
Sample Depth (m)	1.05	0.10	0.30	0.10	0.40	0.15
Sampling Date	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	< 0.01	0.02	0.08
Acenaphthylene GCMS	N	mg/kg	0.01	< 0.01	0.01	0.33
Acenaphthene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.03
Fluorene GCMS	N	mg/kg	0.01	< 0.01	< 0.01	0.07
Phenanthrene GCMS	N	mg/kg	0.01	< 0.01	0.07	2.79
Anthracene GCMS	N	mg/kg	0.01	< 0.01	0.02	0.65
Fluoranthene GCMS	N	mg/kg	0.01	< 0.01	0.32	7.69
Pyrene GCMS	N	mg/kg	0.01	< 0.01	0.28	6.06
Benzo(a)anthracene GCMS	N	mg/kg	0.01	< 0.01	0.15	4.17
Chrysene GCMS	N	mg/kg	0.01	< 0.01	0.22	4.25
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	< 0.01	0.20	3.62
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	0.01	0.23	3.61
Benzo(a)pyrene GCMS	N	mg/kg	0.01	0.01	0.21	3.52
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	< 0.01	0.12	1.76
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	< 0.01	0.03	0.50
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	0.01	0.13	1.90
Total PAH(16) GCMS	N	mg/kg	0.04	0.09	2.00	41.0

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ELAB Reference	227412	227413	227414	227415	227416	227417
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP204	TP204	TP205	TP205	TP206	TP206
Sample Depth (m)	0.30	0.40	0.10	0.50	0.05	0.30
Sampling Date	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021	10/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	0.04	< 0.01	0.02
Acenaphthylene GCMS	N	mg/kg	0.01	0.11	< 0.01	0.04
Acenaphthene GCMS	N	mg/kg	0.01	0.03	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	0.02	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	0.49	< 0.01	0.09
Anthracene GCMS	N	mg/kg	0.01	0.20	< 0.01	0.05
Fluoranthene GCMS	N	mg/kg	0.01	2.52	0.01	1.43
Pyrene GCMS	N	mg/kg	0.01	2.70	0.01	1.71
Benzo(a)anthracene GCMS	N	mg/kg	0.01	1.73	< 0.01	1.15
Chrysene GCMS	N	mg/kg	0.01	1.68	< 0.01	1.31
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	1.97	0.01	1.46
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	1.86	0.01	1.47
Benzo(a)pyrene GCMS	N	mg/kg	0.01	2.34	< 0.01	1.58
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	1.45	< 0.01	0.78
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.34	< 0.01	0.18
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	1.49	0.01	0.87
Total PAH(16) GCMS	N	mg/kg	0.04	19.0	0.10	12.2

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ELAB Reference	227418	227419	227420	227421	227422	227423
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP207	TP207	TP209	TP209	TP212	TP212
Sample Depth (m)	0.20	0.45	0.05	0.40	0.05	0.30
Sampling Date	10/02/2021	10/02/2021	10/02/2021	10/02/2021	11/02/2021	11/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	0.06	< 0.01	0.04
Acenaphthylene GCMS	N	mg/kg	0.01	0.22	0.04	0.14
Acenaphthene GCMS	N	mg/kg	0.01	0.03	< 0.01	0.08
Fluorene GCMS	N	mg/kg	0.01	0.03	< 0.01	0.08
Phenanthrene GCMS	N	mg/kg	0.01	0.53	0.03	3.70
Anthracene GCMS	N	mg/kg	0.01	0.32	0.02	1.07
Fluoranthene GCMS	N	mg/kg	0.01	4.34	0.30	10.1
Pyrene GCMS	N	mg/kg	0.01	4.84	0.31	8.61
Benzo(a)anthracene GCMS	N	mg/kg	0.01	3.93	0.25	3.97
Chrysene GCMS	N	mg/kg	0.01	4.20	0.35	4.06
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	5.62	0.30	3.69
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	5.96	0.41	3.77
Benzo(a)pyrene GCMS	N	mg/kg	0.01	7.02	0.40	4.14
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	4.32	0.22	2.15
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	1.03	0.05	0.52
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	4.59	0.24	2.35
Total PAH(16) GCMS	N	mg/kg	0.04	47.1	2.94	48.4

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Results Summary

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ELAB Reference	227424	227425	227426	227427	227428	227429
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP216	TP216	FP3	TP221	TP221	TP222
Sample Depth (m)	0.05	0.40	0.80	0.10	0.30	0.05
Sampling Date	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	0.01	0.30	0.11
Acenaphthylene GCMS	N	mg/kg	0.01	0.03	1.24	0.04
Acenaphthene GCMS	N	mg/kg	0.01	< 0.01	0.68	1.41
Fluorene GCMS	N	mg/kg	0.01	0.01	0.50	1.06
Phenanthrene GCMS	N	mg/kg	0.01	0.15	12.2	4.23
Anthracene GCMS	N	mg/kg	0.01	0.05	3.89	0.61
Fluoranthene GCMS	N	mg/kg	0.01	0.39	32.9	2.42
Pyrene GCMS	N	mg/kg	0.01	0.38	31.7	1.84
Benzo(a)anthracene GCMS	N	mg/kg	0.01	0.24	19.1	0.62
Chrysene GCMS	N	mg/kg	0.01	0.26	18.2	0.68
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	0.28	20.4	0.66
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	0.30	19.9	0.64
Benzo(a)pyrene GCMS	N	mg/kg	0.01	0.33	25.3	0.74
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	0.21	17.9	0.48
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.06	4.69	0.13
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	0.22	20.2	0.52
Total PAH(16) GCMS	N	mg/kg	0.04	2.93	229	16.2
					75.3	388
						174

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ELAB Reference	227430	227431	227432	227435	227436	227437			
Customer Reference									
Sample ID									
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Location	TP222	TP220	TP220	TP214	TP214	TP214			
Sample Depth (m)	0.45	0.10	0.30	0.005	0.30	0.75			
Sampling Date	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Determinand	Codes	Units	LOD						
Polyaromatic hydrocarbons									
Naphthalene GCMS	N	mg/kg	0.01	0.04	0.08	0.07	< 0.01	0.01	< 0.01
Acenaphthylene GCMS	N	mg/kg	0.01	0.12	0.29	0.27	0.02	0.01	< 0.01
Acenaphthene GCMS	N	mg/kg	0.01	0.03	0.13	0.17	< 0.01	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	0.02	0.13	0.12	< 0.01	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	0.55	2.48	4.25	0.04	0.07	< 0.01
Anthracene GCMS	N	mg/kg	0.01	0.26	0.73	1.29	0.02	0.02	< 0.01
Fluoranthene GCMS	N	mg/kg	0.01	3.33	8.61	10.3	0.15	0.21	< 0.01
Pyrene GCMS	N	mg/kg	0.01	3.56	8.39	9.41	0.13	0.19	< 0.01
Benzo(a)anthracene GCMS	N	mg/kg	0.01	2.29	5.05	5.00	0.08	0.11	< 0.01
Chrysene GCMS	N	mg/kg	0.01	2.24	5.00	4.92	0.11	0.15	< 0.01
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	2.70	5.78	4.78	0.12	0.15	< 0.01
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	2.52	5.60	5.13	0.14	0.16	< 0.01
Benzo(a)pyrene GCMS	N	mg/kg	0.01	3.23	6.91	6.04	0.14	0.16	< 0.01
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	2.06	4.58	3.61	0.08	0.08	< 0.01
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.51	1.16	0.90	0.03	0.03	< 0.01
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	2.17	5.11	3.97	0.08	0.08	< 0.01
Total PAH(16) GCMS	N	mg/kg	0.04	25.6	60.0	60.2	1.17	1.43	< 0.04

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Results Summary

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Report Ref: 21-02176, Issue Number: 1

ELAB Reference	227440	227441	227442	227443	227444	227445			
Customer Reference									
Sample ID									
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Location	TP208	TP208	TP208	TP219	TP219	TP210			
Sample Depth (m)	0.10	0.30	0.50	0.05	0.30	0.10			
Sampling Date	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Determinand	Codes	Units	LOD						
Polyaromatic hydrocarbons									
Naphthalene GCMS	N	mg/kg	0.01	0.29	< 0.01	0.02	< 0.01	0.06	0.04
Acenaphthylene GCMS	N	mg/kg	0.01	1.56	< 0.01	0.04	0.01	0.25	0.19
Acenaphthene GCMS	N	mg/kg	0.01	0.16	< 0.01	< 0.01	< 0.01	0.12	0.02
Fluorene GCMS	N	mg/kg	0.01	0.16	< 0.01	< 0.01	< 0.01	0.08	0.03
Phenanthrene GCMS	N	mg/kg	0.01	2.88	< 0.01	0.09	0.04	3.28	0.33
Anthracene GCMS	N	mg/kg	0.01	2.00	< 0.01	0.06	0.02	1.13	0.23
Fluoranthene GCMS	N	mg/kg	0.01	16.9	< 0.01	0.70	0.19	13.8	1.90
Pyrene GCMS	N	mg/kg	0.01	19.6	< 0.01	0.78	0.19	12.6	2.71
Benzo(a)anthracene GCMS	N	mg/kg	0.01	15.3	< 0.01	0.63	0.11	7.62	1.04
Chrysene GCMS	N	mg/kg	0.01	16.1	< 0.01	0.70	0.14	7.48	1.72
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	24.6	< 0.01	0.96	0.16	6.86	3.03
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	23.3	< 0.01	0.94	0.17	7.82	3.10
Benzo(a)pyrene GCMS	N	mg/kg	0.01	30.8	< 0.01	1.04	0.18	8.83	4.44
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	23.0	< 0.01	0.57	0.09	4.95	4.35
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	5.73	< 0.01	0.14	0.02	1.27	0.83
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	24.5	< 0.01	0.63	0.10	5.38	5.32
Total PAH(16) GCMS	N	mg/kg	0.04	207	0.08	7.31	1.43	81.5	29.3

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ELAB Reference	227446	227447	227448	227449	227450	227451
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP210	TP211	TP211	TP218	TP218	TP218
Sample Depth (m)	0.30	0.10	0.40	0.10	0.30	1.50
Sampling Date	11/02/2021	11/02/2021	11/02/2021	12/02/2021	12/02/2021	12/02/2021
Determinand	Codes	Units	LOD			
Polyaromatic hydrocarbons						
Naphthalene GCMS	N	mg/kg	0.01	0.01	< 0.01	< 0.01
Acenaphthylene GCMS	N	mg/kg	0.01	0.05	< 0.01	< 0.01
Acenaphthene GCMS	N	mg/kg	0.01	0.01	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	0.03	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	0.17	< 0.01	< 0.01
Anthracene GCMS	N	mg/kg	0.01	0.09	< 0.01	< 0.01
Fluoranthene GCMS	N	mg/kg	0.01	0.42	0.02	< 0.01
Pyrene GCMS	N	mg/kg	0.01	0.46	0.01	< 0.01
Benzo(a)anthracene GCMS	N	mg/kg	0.01	0.28	0.01	< 0.01
Chrysene GCMS	N	mg/kg	0.01	0.52	0.02	< 0.01
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	0.89	0.02	< 0.01
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	0.79	0.02	< 0.01
Benzo(a)pyrene GCMS	N	mg/kg	0.01	1.39	0.03	< 0.01
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	1.52	0.02	< 0.01
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.30	< 0.01	< 0.01
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	2.20	0.02	< 0.01
Total PAH(16) GCMS	N	mg/kg	0.04	9.13	0.19	0.06
				141	123	1.68

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193

Results Summary

Report No.: 21-32115, issue number 1

Report Ref: 21-02176, Issue number: 1

ELAB Reference	227452	227453	227455	227456	227457	227460			
Customer Reference									
Sample ID									
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
Sample Location	TP229	TP229	TP225	TP213	TP213	FP1			
Sample Depth (m)	0.10	0.50	0.45	0.05	0.30	1.50			
Sampling Date	12/02/2021	12/02/2021	12/02/2021	12/02/2021	12/02/2021	12/02/2021			
Determinand	Codes	Units	LOD						
Polyaromatic hydrocarbons									
Naphthalene GCMS	N	mg/kg	0.01	0.22	0.94	0.03	0.08	0.02	< 0.01
Acenaphthylene GCMS	N	mg/kg	0.01	1.00	5.83	0.07	0.18	0.03	< 0.01
Acenaphthene GCMS	N	mg/kg	0.01	0.53	4.85	0.01	0.14	< 0.01	< 0.01
Fluorene GCMS	N	mg/kg	0.01	0.35	4.35	< 0.01	0.14	< 0.01	< 0.01
Phenanthrene GCMS	N	mg/kg	0.01	11.3	78.1	0.16	4.65	0.16	< 0.01
Anthracene GCMS	N	mg/kg	0.01	3.38	37.4	0.08	1.48	0.06	< 0.01
Fluoranthene GCMS	N	mg/kg	0.01	27.7	113	0.92	15.0	0.68	< 0.01
Pyrene GCMS	N	mg/kg	0.01	26.5	111	0.99	13.3	0.66	< 0.01
Benzo(a)anthracene GCMS	N	mg/kg	0.01	16.3	74.0	0.63	6.78	0.40	< 0.01
Chrysene GCMS	N	mg/kg	0.01	15.6	70.9	0.65	6.78	0.50	< 0.01
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	17.2	76.1	0.81	5.48	0.51	< 0.01
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	16.6	72.1	0.75	6.25	0.56	< 0.01
Benzo(a)pyrene GCMS	N	mg/kg	0.01	20.9	59.0	0.93	7.05	0.58	< 0.01
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	13.6	56.0	0.58	3.77	0.30	< 0.01
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	3.50	22.6	0.15	0.94	0.07	< 0.01
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	14.9	60.4	0.60	4.00	0.30	< 0.01
Total PAH(16) GCMS	N	mg/kg	0.04	190	847	7.35	76.0	4.85	0.06

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193



Method Summary

Report No.: 21-32115, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
PAH (GC-MS)	N	As submitted sample	17/02/2021		GC-MS

Tests marked N are not UKAS accredited

Report Information

Report No.: 21-32115, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"
LOD	LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination. Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed. ELAB are unable to provide an interpretation or opinion on the content of this report. The results relate only to the sample received. PCB congener results may include any coeluting PCBs Uncertainty of measurement for the determinands tested are available upon request Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

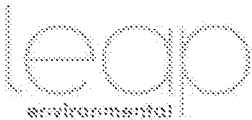
All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

APPENDIX F – GAS MONITORING RESULTS

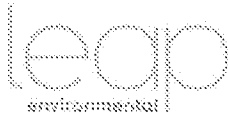
Gas Monitoring Results

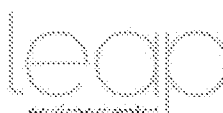
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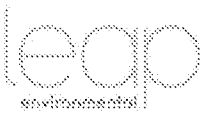
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Continuous Gas Monitoring Record								
Date	15/02/2021	Engineer	HG					
Project No	LP2466	Temp °C	9					
Site	Elmgrove Rd	Ambient Pressure	1020					
WS3		Time	Flow (f/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)
		00:00	-0.1	0.0	0.1	21.0	0	0
Hole ID		00:15	-0.1	0.0	2.5	19.4	0	0
VOC peak (ppm)	Not measured	00:30	0.0	0.0	2.6	17.7	0	0
		01:00		0.0	2.7	16.8	0	0
VOC steady (ppm)	Not measured	01:30		0.0	2.8	16.5	0	0
		02:00		0.0	2.8	16.5	0	0
Borehole Depth (mbgl)	5.9	02:30		0.0	2.8	16.5	0	0
		03:00		0.0	2.8	16.5	0	0
Water level (mbgl)	4	03:30		0.0	2.8	16.5	0	0
		04:00		0.0	2.8	16.5	0	0
Borehole Pressure (mb)	1025	04:30		0.0	2.8	16.5	0	0
		05:00		0.0	2.8	16.5	0	0
WS4		Time	Flow (f/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)
		00:00	0.0	0.0	0.1	21.1	0	0
Hole ID		00:15	0.0	0.0	0.9	20.6	0	0
VOC peak (ppm)	Not measured	00:30	0.0	0.0	1.8	18.7	0	0
		01:00	0.0	0.1	1.8	17.0	0	0
VOC steady (ppm)	Not measured	01:30		0.1	1.8	17.0	0	0
		02:00		0.1	1.8	16.9	0	0
Borehole Depth (mbgl)	2.8	02:30		0.1	1.8	16.9	0	0
		03:00		0.1	1.8	16.9	0	0
Water level (mbgl)	Dry	03:30		0.1	1.8	16.9	0	0
		04:00		0.1	1.8	16.9	0	0
Borehole Pressure (mb)	1026	04:30		0.1	1.8	16.9	0	0
		05:00		0.1	1.8	16.9	0	0

Continuous Gas Monitoring Record									
Date	15/02/2021		Engineer	HG					
Project No	LP2466		Temp °C	9					
Site	Elmgrove Rd		Ambient Pressure	1020					
BH8 Hole ID VOC peak (ppm) Not measured VOC steady (ppm) Not measured Borehole Depth (mbgl) 6 Water level (mbgl) 5.6 Borehole Pressure (mb)									
Time		Flow (l/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)		
00:00									
00:15									
00:30									
01:00									
01:30									
02:00									
02:30									
03:00									
03:30									
04:00									
04:30									
05:00									
WS2 Hole ID VOC peak (ppm) Not measured VOC steady (ppm) Not measured Borehole Depth (mbgl) 3.05 Water level (mbgl) Dry Borehole Pressure (mb) 1025									
Time		Flow (l/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)		
00:00		0.0	0.0	0.1	21.0	0	0		
00:15		0.0	0.0	0.1	21.0	0	0		
00:30		0.0	0.0	0.1	20.9	0	0		
01:00			0.0	0.1	20.9	0	0		
01:30			0.0	0.2	20.9	0	0		
02:00			0.0	0.2	20.8	0	0		
02:30			0.0	0.2	20.8	0	0		
03:00			0.0	0.3	20.8	0	0		
03:30			0.0	0.3	20.7	0	0		
04:00			0.0	0.4	20.0	0	0		
04:30			0.0	0.4	20.5	0	0		
05:00			0.0	0.4	20.5	0	0		

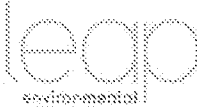
BH7		Time	Flow (f/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)
Hole ID		00:00						
		00:15						
VOC peak (ppm)	Not measured	00:30						
		01:00						
VOC steady (ppm)	Not measured	01:30						
		02:00						
Borehole Depth (mbgl)		02:30			Unable to access			
		03:00						
Water level (mbgl)		03:30						
		04:00						
Borehole Pressure (mb)		04:30						
		05:00						

Continuous Gas Monitoring Record								
Date	26/02/2021	Engineer	KT					
Project No	LP2466	Temp °C	11					
Site	Elmgrove Road	Ambient Pressure	1037					
WS2		Time	Flow (l/h)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CO (ppm)	H ₂ S (ppm)
		00:00	0.0	0.2	0.1	20.0	0	0
Hole ID		00:15	0.0	0.2	1.7	17.4	0	0
VOC peak (ppm)	0.1	00:30	0.0	0.2	1.7	17.0	0	0
		01:00		0.2	1.7	16.9	0	0
		01:30		0.2	1.7	16.9	0	0
		02:00		0.2	1.7	16.9	0	0
		02:30		0.2	1.8	16.8	0	0
VOC steady (ppm)	0	03:00		0.2	1.8	16.8	0	0
		03:30		0.2	1.8	16.7	0	0
		04:00		0.2	1.9	16.6	0	0
		04:30		0.2	2.0	16.5	0	0
Borehole Depth (mbgl)	3.12	05:00		0.2	2.1	16.3	0	0
		05:30		0.2	2.1	16.2	0	0
		06:00		0.2	2.2	16.1	0	0
		06:30		0.2	2.2	16.1	0	0
Water level (mbgl)	Dry	07:00		0.2	2.3	16.0	0	0
		07:30		0.2	2.3	16.0	0	0
		08:00		0.2	2.3	16.0	0	0
		08:30						
Borehole Pressure (mb)	1039	09:00						
		09:30						
		10:00						

Depth measurements from GL

Continuous Gas Monitoring Record								
Date	26/02/2021	Engineer	KT					
Project No	LP2466	Temp °C	11					
Site	Elmgrove Road	Ambient Pressure	1037					
WS3		Time	Flow (l/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)
		00:00	0.0	0.2	0.0	21.0	0	0
Hole ID		00:15	0.1	0.2	1.6	18.8	0	0
VOC peak (ppm)		00:30	0.0	0.2	1.6	18.0	0	0
		01:00		0.2	1.7	17.9	0	0
		01:30		0.2	1.8	17.7	0	0
		02:00		0.2	1.9	17.5	0	0
		02:30		0.2	2.0	17.4	0	0
VOC steady (ppm)		03:00		0.2	2.2	17.1	0	0
		03:30		0.2	2.3	16.9	0	0
		04:00		0.2	2.4	16.7	0	0
		04:30		0.2	2.5	16.5	0	0
Borehole Depth (mbgl)		05:00		0.2	2.6	16.3	0	0
		05:30		0.2	2.7	16.2	0	0
		06:00		0.2	2.8	16.1	0	0
		06:30		0.2	2.8	16.0	0	0
Water level (mbgl)		07:00		0.2	2.8	16.0	0	0
		07:30		0.2	2.8	16.0	0	0
		08:00						
Borehole Pressure (mb)		08:30						
		09:00						
		09:30						
		10:00						

Depth measurements from GL

Continuous Gas Monitoring Record								
Date	26/02/2021	Engineer	KT					
Project No	LP2466	Temp °C	11					
Site	Elmgrove Road	Ambient Pressure	1037					
WS4		Time	Flow (l/h)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CO (ppm)	H ₂ S (ppm)
		00:00	0.0	0.2	0.1	20.6	0	0
Hole ID		00:15	0.0	0.2	1.4	18.5	0	0
VOC peak (ppm)	0	00:30	0.0	0.2	1.4	18.1	0	0
		01:00		0.2	1.4	18.0	0	0
		01:30		0.2	1.4	18.0	0	0
		02:00		0.2	1.4	17.9	0	0
VOC steady (ppm)	0	02:30		0.2	1.5	17.8	0	0
		03:00		0.2	1.5	17.8	0	0
		03:30		0.2	1.5	17.7	0	0
		04:00		0.2	1.5	17.7	0	0
Borehole Depth (mbgl)	2.87	04:30		0.2	1.6	17.6	0	0
		05:00		0.2	1.6	17.6	0	0
		05:30		0.2	1.6	17.5	0	0
		06:00		0.2	1.6	17.4	0	0
Water level (mbgl)	Dry	06:30		0.2	1.7	17.3	0	0
		07:00		0.2	1.7	17.3	0	0
		07:30		0.2	1.7	17.3	0	0
		08:00		0.2	1.7	17.2	0	0
Borehole Pressure (mb)	1039	08:30		0.2	1.7	17.2	0	0
		09:00						
		09:30						
		10:00						

Depth measurements from GL

Continuous Gas Monitoring Record								
Date	26/02/2021	Engineer	KT					
Project No	LP2466	Temp °C	11					
Site	Elmgrove Road	Ambient Pressure	1037					
BH7		Time	Flow (l/h)	CH ⁴ (%)	CO ² (%)	O ² (%)	CO (ppm)	H ² S (ppm)
		00:00	0.1	0.2	0.1	20.4	0	0
Hole ID		00:15	0.0	0.2	0.0	20.6	0	0
VOC peak (ppm)	0	00:30		0.2	0.0	20.6	0	0
		01:00		0.2	0.0	20.7	0	0
		01:30		0.2	0.0	20.7	0	0
		02:00						
VOC steady (ppm)	0	02:30		0.2	0.0	20.8	0	0
		03:00		0.2	0.0	20.8	0	0
		03:30		0.2	0.0	20.8	0	0
		04:00		0.2	0.0	20.9	0	0
Borehole Depth (mbgl)	4.9	04:30		0.2	0.0	20.9	0	0
		05:00		0.2	0.0	20.9	0	0
		05:30		0.2	0.1	20.9	0	0
		06:00		0.2	0.1	21.0	0	0
Water level (mbgl)	Dry	06:30		0.2	0.1	21.0	0	0
		07:00		0.2	0.1	21.0	0	0
		07:30		0.2	0.1	21.0	0	0
		08:00						
Borehole Pressure (mb)	1038	08:30		Gas valve was found to be open - engineer closed it and returned to take readings after approx. 1.5 hours				
		09:00						
		09:30						
		10:00						

Depth measurements from GL

Continuous Gas Monitoring Record								
Date	26/02/2021	Engineer	KT					
Project No	LP2466	Temp °C	11					
Site	Elmgrove Road	Ambient Pressure	1037					
BH8		Time	Flow (l/h)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	CO (ppm)	H ₂ S (ppm)
		00:00	0.0	0.2	0.1	20.1	0	0
Hole ID		00:15	0.0	0.2	1.0	19.0	0	0
VOC peak (ppm)	0	00:30		0.2	1.0	18.9	0	0
		01:00		0.2	1.0	18.9	0	0
		01:30		0.2	1.0	18.8	0	0
		02:00		0.2	1.1	18.8	0	0
VOC steady (ppm)	0	02:30		0.2	1.2	18.7	0	0
		03:00		0.2	1.3	18.6	0	0
		03:30		0.2	1.4	18.4	0	0
		04:00		0.2	1.5	18.3	0	0
Borehole Depth (mbgl)	~2.5*	04:30		0.2	1.7	18.1	0	0
		05:00		0.2	1.9	17.9	0	0
		05:30		0.2	2.1	17.7	0	0
		06:00		0.2	2.4	17.5	0	0
Water level (mbgl)	Dry	06:30		0.2	2.6	17.3	0	0
		07:00		0.2	2.8	17.0	0	0
		07:30		0.2	2.9	16.9	0	0
		08:00		0.2	3.0	16.8	0	0
Borehole Pressure (mb)	1038	08:30		0.2	3.1	16.7	0	0
		09:00		0.2	3.2	16.6	0	0
		09:30		0.2	3.2	16.5	0	0
		10:00		0.2	3.3	16.5	0	0

*Measuring instrument possibly stuck and unable to get accurate reading (does not match borehole depth from Visit 1)

APPENDIX G – GEOTECHNICAL TEST RESULTS

Geotechnical Test Results

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC	LL	PL	PI	<425 μm	Bulk	Dry	Condition	Cell Pressure	Deviator Stress	Shear Stress	pH	2:1 W/S SO4	W/S Mg	
					%	%	%	%	%	Mg/m³	Mg/m³		kPa	kPa	kPa		g/L	mg/L	
TP226	1.10		D	Brown silty CLAY with rare gravel and rootlets.	21.9	31	19	12	99										

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by

05/03/2021

Project Number:

GEO / 32709

ELMGROVE ROAD, LITTLEHAMPTON

LP2466

Project Name:

GEOLABS

Test Type:	Sample condition:
1 - 1 point 80g / 30° fall cone method.	1 - As Received
2 - 4 point 80g / 30° fall cone method.	2 - Air Dried
3 - Non plastic determination.	3 - Washed & Air Dried

