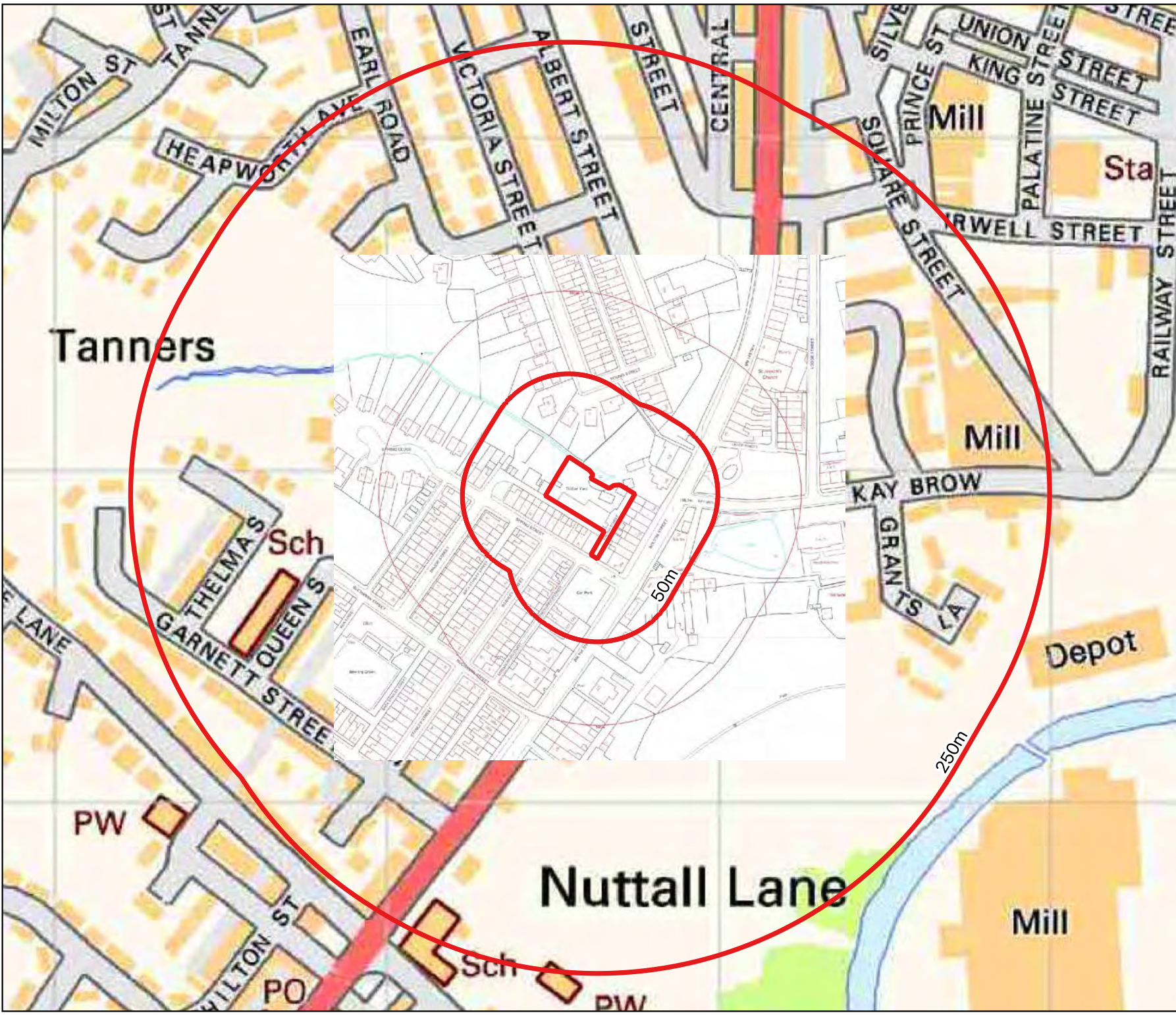
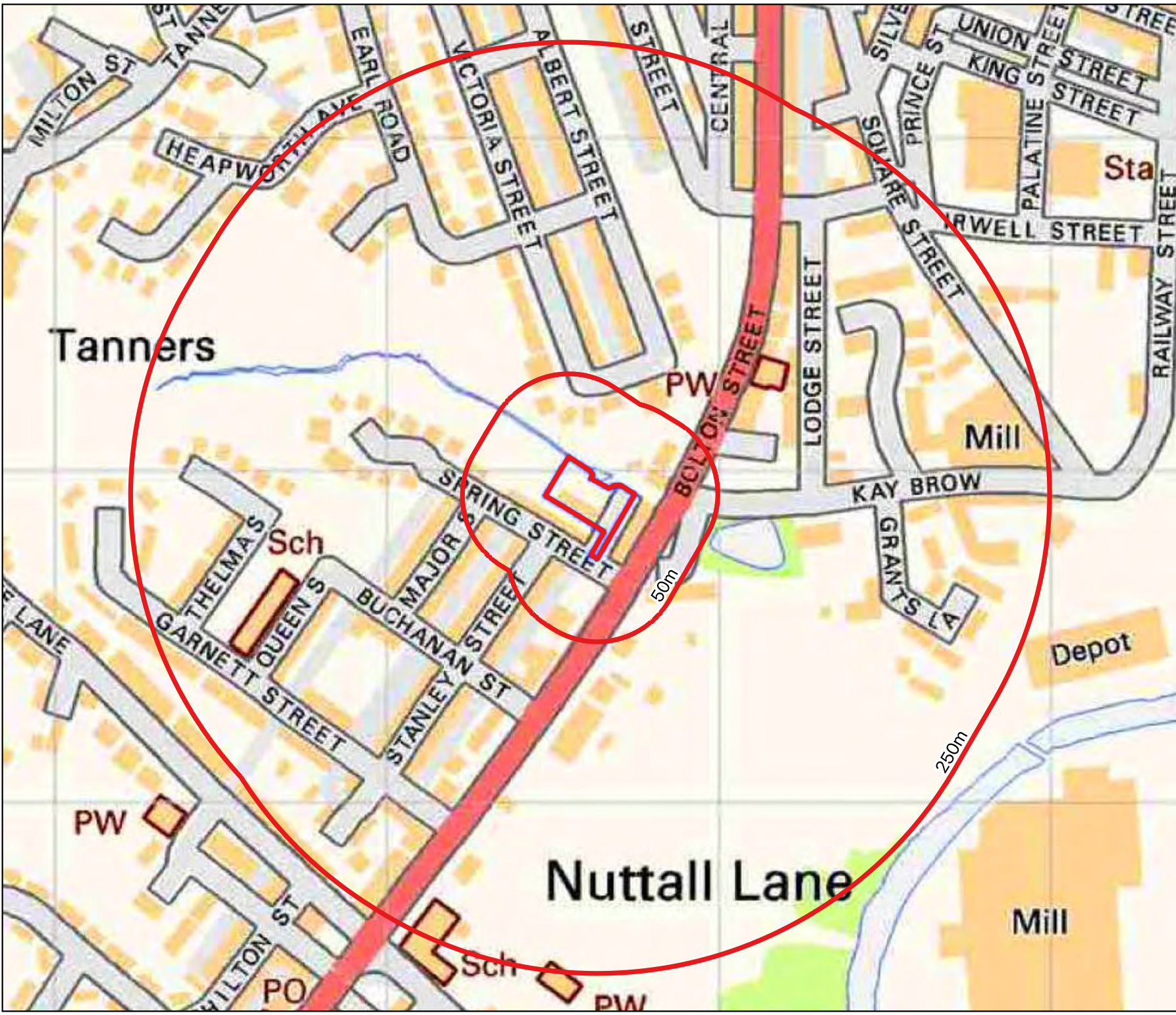
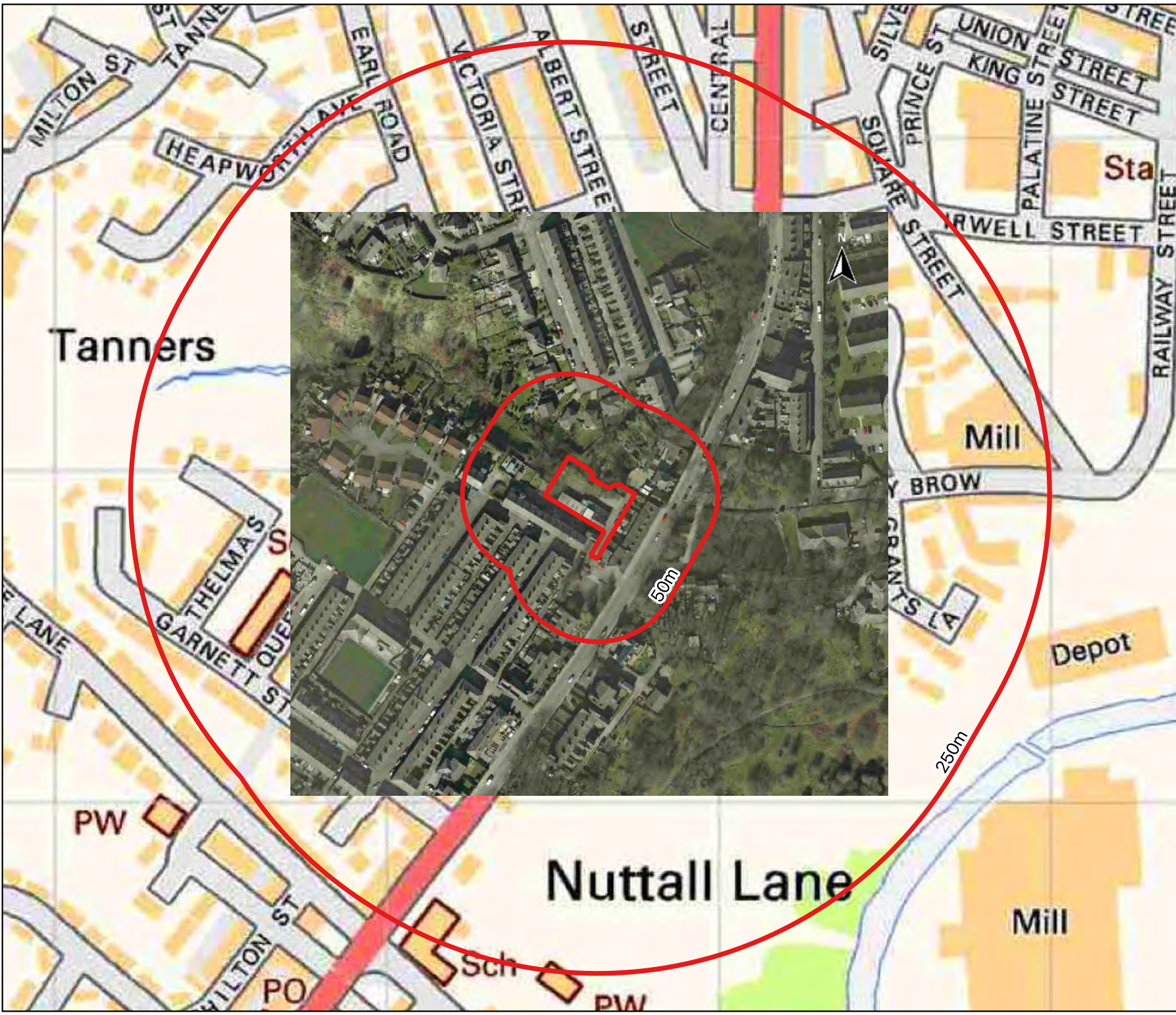




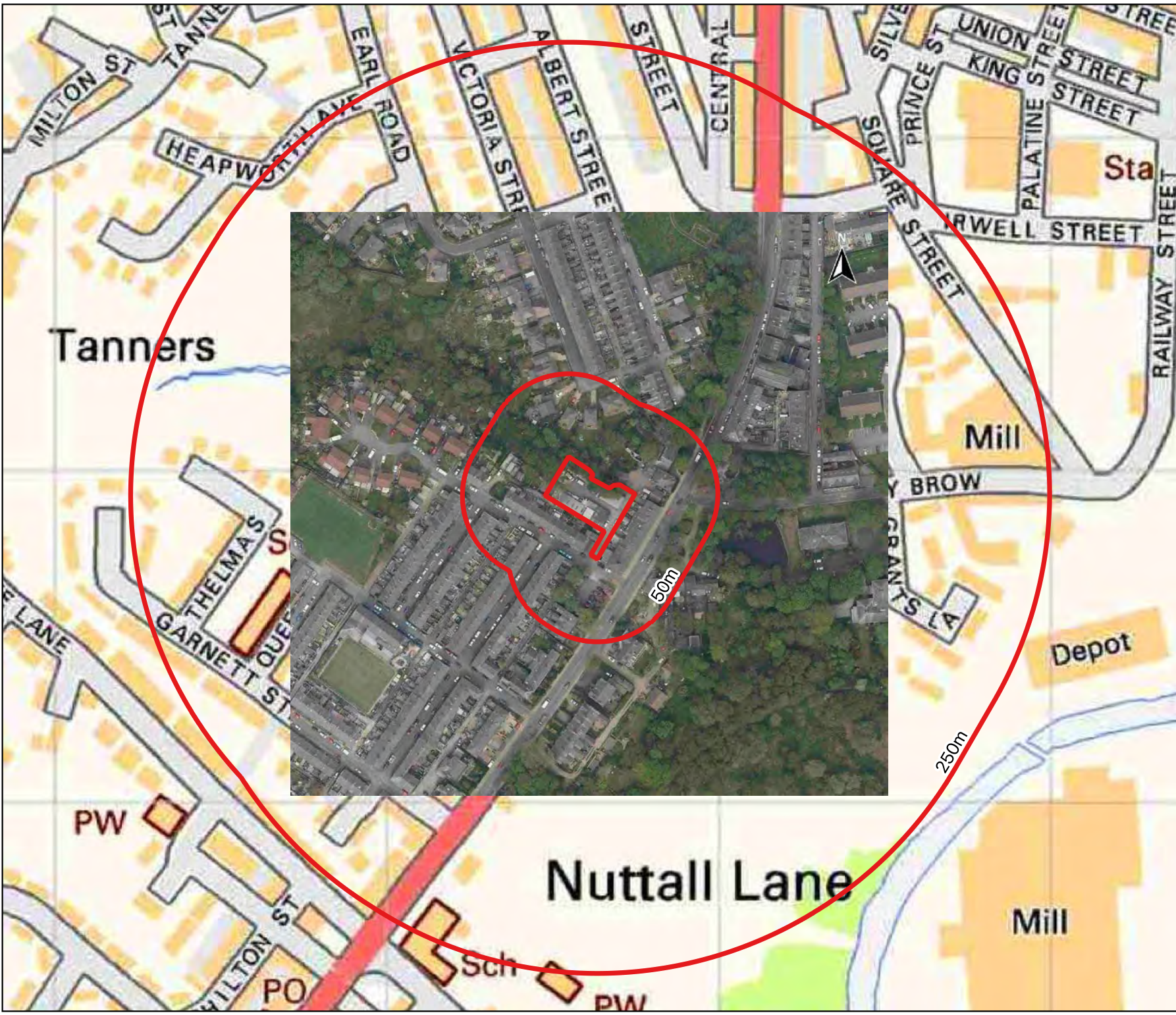
DE DEMETER ENVIRONMENTAL LTD
Demeter Environmental Ltd Liverpool Office: Hanover House Hanover Street Liverpool L1 3DZ Tel: 0151 521 2539 Fax: 0151 909 3661 Brighton Office: Gemini House 136-140 Old Shoreham Road Brighton, East Sussex BN3 7BD Tel: 01273 741 727 Email: enquiries@demeter-environmental.co.uk
Date of Map: 2003
Site Name: Spring Street Sawmills
Scale: 1:3,000 at A4



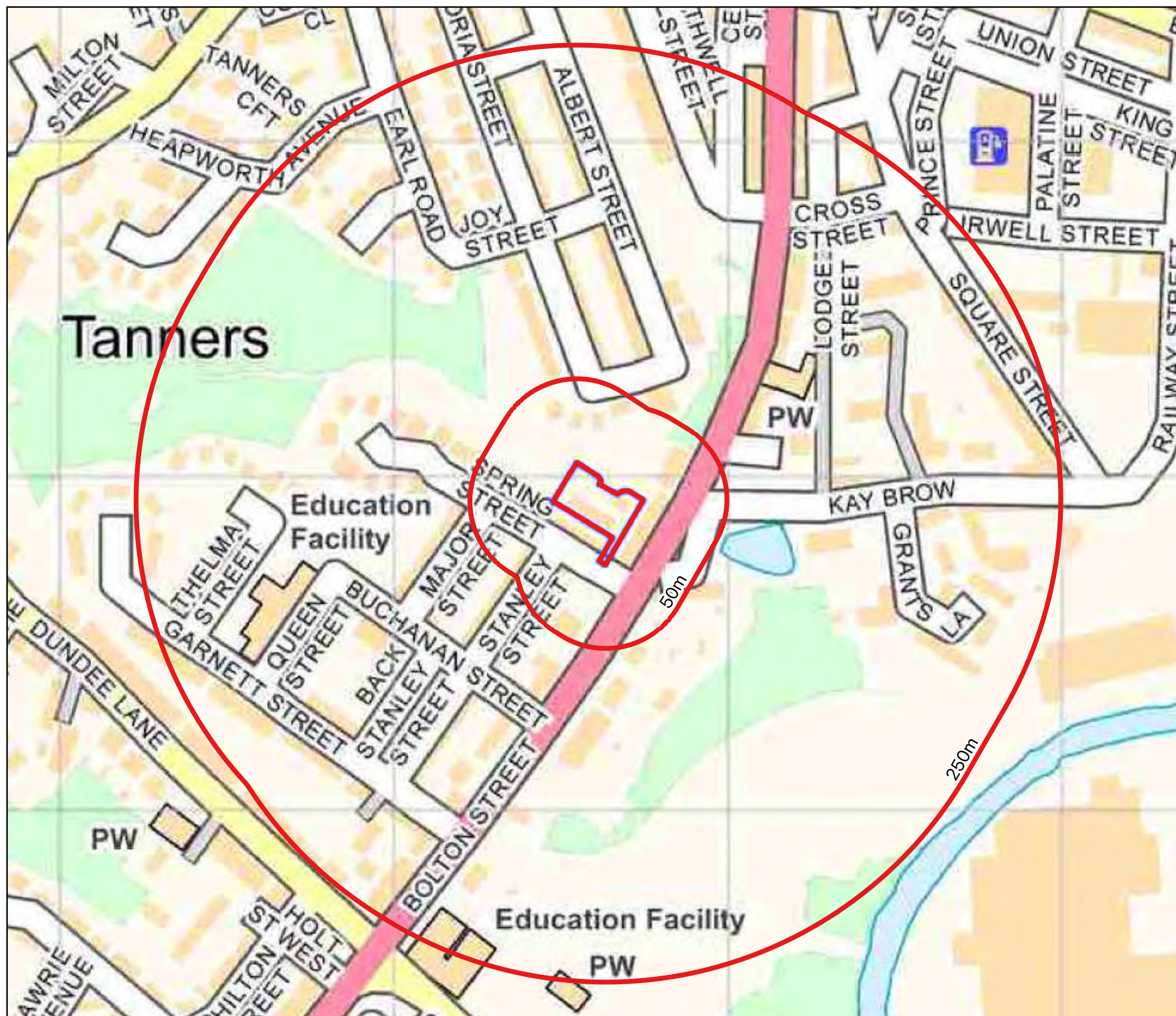
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Demeter Environmental Ltd Liverpool Office: Hanover House Hanover Street Liverpool L1 3DZ Tel: 0151 521 2539 Fax: 0151 909 3661 Brighton Office: Gemini House 136-140 Old Shoreham Road Brighton, East Sussex BN3 7BD Tel: 01273 741 727 Email: enquiries@demeter-environmental.co.uk
Date of Map: 2012
Site Name: Spring Street Sawmills
Scale: 1:3,000 at A4




Demeter Environmental Ltd Liverpool Office: Hanover House Hanover Street Liverpool L1 3DZ Tel: 0151 521 2539 Fax: 0151 909 3661 Brighton Office: Gemini House 136-140 Old Shoreham Road Brighton, East Sussex BN3 7BD Tel: 01273 741 727 Email: enquiries@demeter-environmental.co.uk
Date of Map: 2019
Site Name: Spring Street Sawmills
Scale: 1:3,000 at A4



Demeter Environmental Ltd

Liverpool Office:

Hanover House

Hanover Street

Liverpool

L1 3DZ

Tel: 0151 521 2539

Fax: 0151 909 3661

Brighton Office:

Gemini House

136-140 Old Shoreham Road

Brighton, East Sussex

BN3 7BD

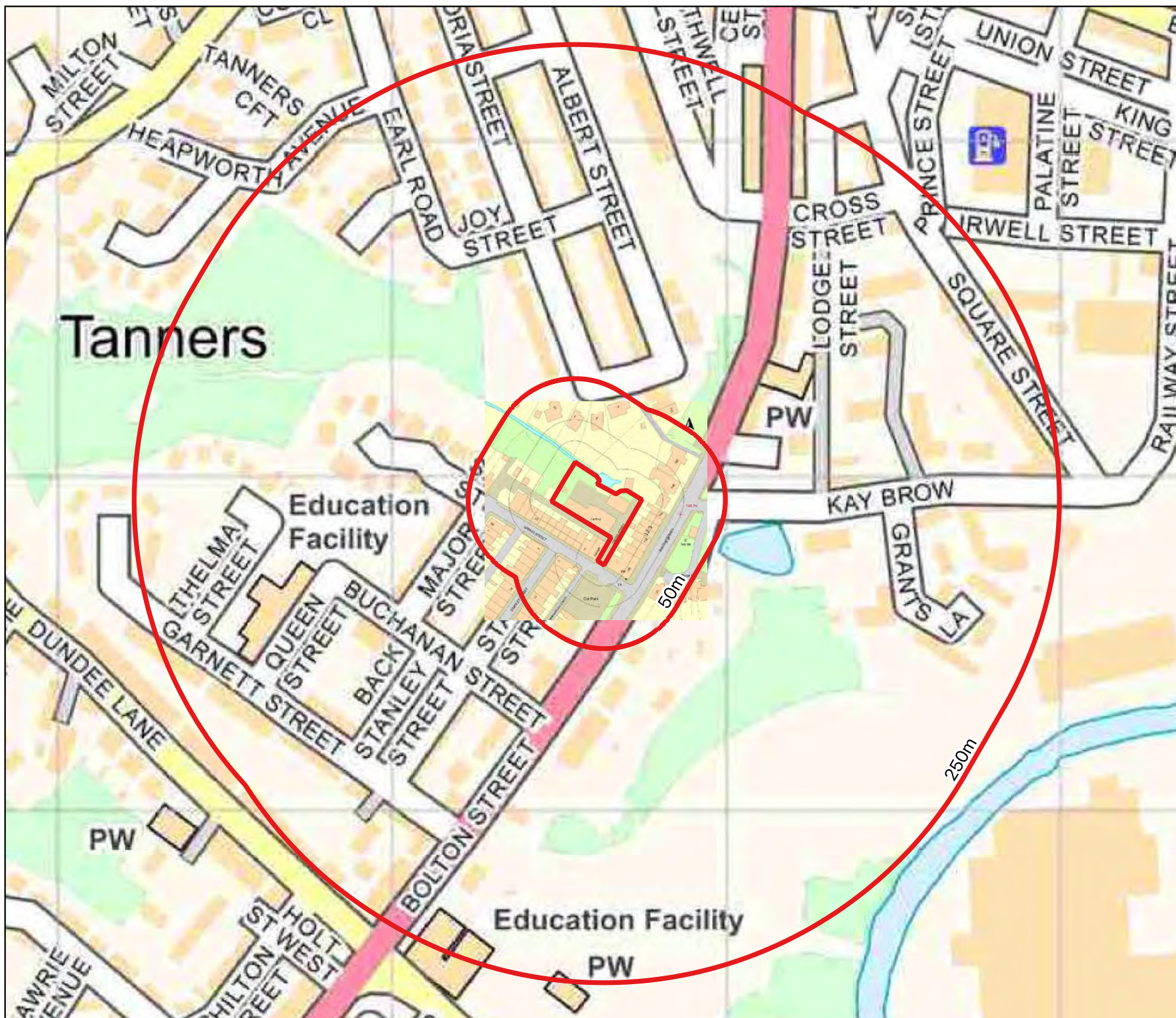
Tel: 01273 741 727

Email: enquiries@demeter-environmental.co.uk

Date of Map: 2022

Site Name: Spring Street
Sawmills

Scale: 1:3,000 at A4



Demeter Environmental Ltd

Liverpool Office:

Hanover House

Hanover Street

Liverpool

L1 3DZ

Tel: 0151 521 2539

Fax: 0151 909 3661

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Gemini House

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Brighton, East Sussex

BN3 7BD

Tel: 01273 741 727

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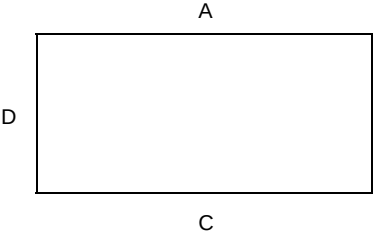
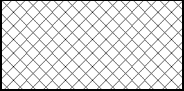
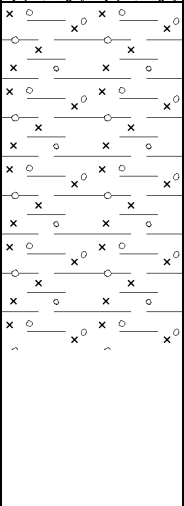
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Site Name: Spring Street
Sawmills

Scale: 1:3,000 at A4

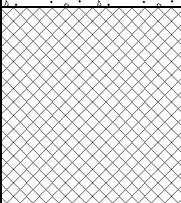
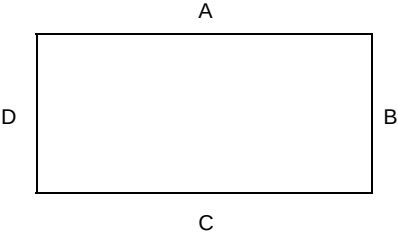
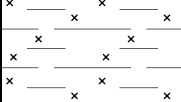


APPENDIX H: TRIAL PIT SECTION SHEETS

				TRIAL PIT LOG		TRIAL PIT NO. TP107	
CLIENT Wardale Developments				SITE Spring Street Sawmills			
DATE OF FIELDWORK 28/05/24-28/05/24		SCALE 1:25	LEVEL/POSITION See location plan		LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
ORIENTATION							
			0.30				
			0.60				
							
FACE AND POSITION LOGGED All							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
0.20	JAR		0.30	Brown gravelly TOPSOIL with plastic. (MADE GROUND). (0.30)			
0.50	JAR		0.60	Yellow silty cobbly SAND (0.30)			
			1.75	Firm brown silty cobbly CLAY			
				TRIAL PIT TERMINATED			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER				
NS			TRIAL PIT DRY	Tracked excavator			
All dimensions are in metres unless otherwise stated							

				TRIAL PIT LOG		TRIAL PIT NO. TP108		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 28/05/24-28/05/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.10					
			0.25					
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
	JAR		0.10	CONCRETE (0.10)				
			0.25	Brick subbase. (MADE GROUND). (0.15)				
				Brown silty CLAY				
			1.00	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			TRIAL PIT DRY					

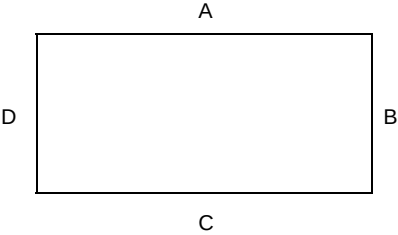
All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP110		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 28/05/24-28/05/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.05					
			0.70					
Orientation								
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.05			0.05	ASPHALT (0.05)				
				Brown sand with brick and gravel. (MADE GROUND). (0.65)				
0.50	JAR							
0.80	JAR		0.70	Brown silty CLAY				
			1.10	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER					
NS			TRIAL PIT DRY	Tracked excavator				

All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP111		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 28/05/24-28/05/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.30					
A D B C Orientation								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.30	JAR		0.30	Brown TOPSOIL with gravel and plastic. (MADE GROUND). (0.30)				
				SANDSTONE COBBLES				
			1.00	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			TRIAL PIT TERMINATED					

All dimensions are in metres unless otherwise stated

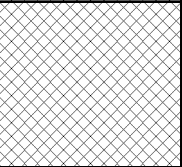
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CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.15					
FACE AND POSITION LOGGED all								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.10	JAR		0.15	Brown TOPSOIL (0.15)				
				Brown/yellow silty CLAY				
0.40	JAR		0.60	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER					
NS			TRIAL PIT DRY	Tracked excavator				
All dimensions are in metres unless otherwise stated								

					TRIAL PIT LOG		TRIAL PIT NO. TP202		
					Sheet 1 of 1				
CLIENT Wardale Developments					SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04		
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D		
ORIENTATION			0.60						
A B C D Orientation									
FACE AND POSITION LOGGED ALL									
SAMPLE AND TEST RECORD DEPTH TYPE RESULT			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH	
0.10	JAR			Brown topsoil with occasional brick. (MADE GROUND). (0.60)					
0.70	JAR		0.60	Yellow sandy silty clayey GRAVEL					
			1.00	TRIAL PIT TERMINATED					
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS					
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator					
NS			TRIAL PIT DRY						
All dimensions are in metres unless otherwise stated									

				TRIAL PIT LOG		TRIAL PIT NO. TP203	
CLIENT Wardale Developments				SITE Spring Street Sawmills			
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
ORIENTATION			0.80				
A D B C Orientation							
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
				Brown sandy clayey BRICK. (MADE GROUND). (0.80)			
0.50	JAR						
0.90	JAR		0.80	Yellow silty sandy gravelly CLAY			
			1.20	TRIAL PIT TERMINATED			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator			
NS			TRIAL PIT DRY				

All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP204	
CLIENT Wardale Developments				SITE Spring Street Sawmills			
DATE OF FIELDWORK 01/11/24-01/11/47		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
ORIENTATION			0.90				
A D B C Orientation							
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
	JAR		0.50	Brown sand with brick and occasional plastic. (MADE GROUND). (0.90)			
			0.90	Very yellow silty sandy CLAY			
			1.30	TRIAL PIT TERMINATED			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator			
NS			TRIAL PIT DRY	1.30			
All dimensions are in metres unless otherwise stated							

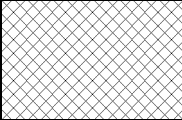
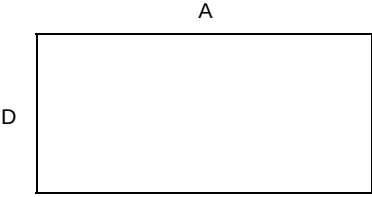
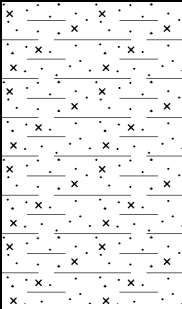
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CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.55					
								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.50	JAR		0.55	Brown sandy brick and gravel. (MADE GROUND). (0.55)				
0.60	JAR			Firm brown silty sandy gravelly CLAY				
			1.00	Concrete strip foundation exposed on eastern side of the trial pit. TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			TRIAL PIT DRY					

All dimensions are in metres unless otherwise stated

[illegible]

				TRIAL PIT LOG		TRIAL PIT NO. TP208		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.70					
A D B C Orientation								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
				Dark brown gravelly sand with brick and ash. (MADE GROUND). (0.70)				
0.40	JAR							
0.80	JAR		0.70	Yellow very silty sandy CLAY				
			1.30	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			TRIAL PIT DRY					

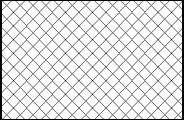
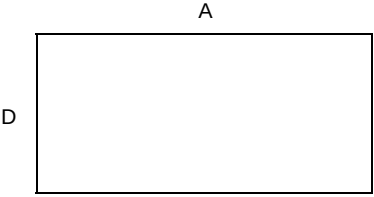
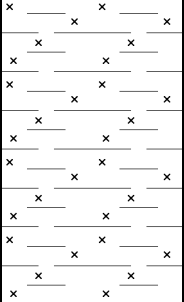
All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP209		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.40					
 Orientation								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.30	JAR		0.40	Brown topsoil with brick and occasional concrete. (MADE GROUND). (0.40)				
0.50	JAR			Yellow silty very sandy CLAY				
			1.40	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			Trial pit dry					

All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP210	
CLIENT Wardale Developments				SITE Spring Street Sawmills			
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
ORIENTATION			0.70				
A D B C Orientation							
FACE AND POSITION LOGGED All							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
	JAR		0.70	Brown topsoil with brick and occasional concrete. (MADE GROUND). (0.70)			
0.30							
	JAR		1.40	Yellow silty very sandy CLAY			
0.80							
				TRIAL PIT TERMINATED			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator			
NS			Trial pit dry				

All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP211		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.40					
 Orientation								
FACE AND POSITION LOGGED All								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.20	JAR		0.40	Brown topsoil with brick and occasional concrete. (MADE GROUND). (0.40)				
0.50	JAR			Yellow/grey silty CLAY				
			1.40					
				TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			Trial pit dry					

All dimensions are in metres unless otherwise stated

				TRIAL PIT LOG		TRIAL PIT NO. TP213		
CLIENT Wardale Developments				SITE Spring Street Sawmills				
DATE OF FIELDWORK 01/11/24-01/11/24		SCALE 1:25	LEVEL/POSITION See location plan			LOGGED BY DH	JOB NO. 24-04-04	
PIT DIMENSIONS A/C : 2.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.70 0.90					
A D B C Orientation								
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.30	JAR			Brown sandy with cobbles. (MADE GROUND). (0.70)				
0.80	JAR		0.70	Brown sand with brick. (MADE GROUND). (0.20)				
1.00	JAR		0.90	Brown/yellow silty sandy gravelly CLAY				
			1.10	TRIAL PIT TERMINATED				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	Tracked excavator				
NS			TRIAL PIT DRY					

All dimensions are in metres unless otherwise stated



APPENDIX I: CHEMICAL ANALYSIS CERTIFICATES



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

cs@elab-uk.co.uk
info@elab-uk.co.uk

Certificate of Analysis

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 24-54082

Issue: 1

Date of Issue: 05/06/2024

Contact: Paul Hadjikyriacou

Customer Details: Demeter Environmental Limited
301 Tea Factory
St Peters Square
Liverpool
L1 4DO

Quotation No: Q24-04369

Order No: 24-04-04-01

Customer Reference: 24-04-04

Date Received: 30/05/2024

Date Approved: 05/06/2024

Details: Spring Street Sawmills

Approved by:

Tim Reeve, Technical Coordinator



Sample Summary

Report No.: 24-54082, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
362776	TP101 0.50	28/05/2024	30/05/2024	Sandy loam	
362777	TP101 1.20	28/05/2024	30/05/2024		
362778	TP102 0.30	28/05/2024	30/05/2024	Sandy loam	
362779	TP102 0.50	28/05/2024	30/05/2024	Loamy sand	
362780	TP102 1.75	28/05/2024	30/05/2024		
362781	TP1003 0.05	28/05/2024	30/05/2024	Sandy loam	
362782	TP103 0.50	28/05/2024	30/05/2024		
362783	TP104 0.50	28/05/2024	30/05/2024	Loamy sand	
362784	TP104 0.60	28/05/2024	30/05/2024	Sandy loam	
362785	TP104 1.50	28/05/2024	30/05/2024		
362786	TP105 0.30	28/05/2024	30/05/2024	Silty clayey loam	
362787	TP105 1.20	28/05/2024	30/05/2024		
362788	TP106 0.20	28/05/2024	30/05/2024	Sandy loam	
362789	TP106 0.50	28/05/2024	30/05/2024	Loamy sand	
362790	TP106 1.30	28/05/2024	30/05/2024		
362791	TP107 0.20	28/05/2024	30/05/2024	Sandy silty loam	
362792	TP107 0.50	28/05/2024	30/05/2024		
362793	TP108 0.30	28/05/2024	30/05/2024		
362794	TP110 0.50	28/05/2024	30/05/2024	Loamy sand	
362795	TP110 0.80	28/05/2024	30/05/2024		
362796	TP111 0.30	28/05/2024	30/05/2024	Loamy sand	



Results Summary

Report No.: 24-54082, issue number 1

				ELAB Reference	362776	362778	362779	362781	362783	362784	362786	362788	362789	362791	362794	362796
				Customer Reference												
				Sample ID												
				Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Sample Location	TP101	TP102	TP102	TP1003	TP104	TP104	TP105	TP106	TP106	TP107	TP110	TP111
				Sample Depth (m)	0.50	0.30	0.50	0.05	0.50	0.60	0.30	0.20	0.50	0.20	0.50	0.30
				Sampling Date	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determindand		Codes	Units	LOD												
Soil sample preparation parameters																
Moisture Content		N	%	0.1	18.2	11.0	15.1	14.2	15.3	15.0	17.2	20.1	20.2	17.1	16.0	12.4
Material removed		N	%	0.1	< 0.1	7.7	9.0	< 0.1	6.7	< 0.1	< 0.1	4.6	8.1	9.4	8.0	17.9
Description of Inert material removed		N		0	None	Stones	Stones	None	Stones	None	None	Stones	None	None	None	None
Metals																
Arsenic		M	mg/kg	1	45.5	39.9	n/t	6.4	36.9	n/t	11.9	140	n/t	34.0	66.4	37.5
Barium		U	mg/kg	10	652	947	n/t	124	512	n/t	130	1610	n/t	420	375	578
Beryllium		U	mg/kg	1	2.0	2.0	n/t	< 1.0	1.7	n/t	< 1.0	6.1	n/t	1.3	2.7	2.1
Cadmium		M	mg/kg	0.5	0.7	0.8	n/t	0.7	0.9	n/t	< 0.5	1.2	n/t	1.3	0.7	1.0
Chromium		M	mg/kg	5	25.3	65.3	n/t	15.2	28.9	n/t	18.0	38.2	n/t	23.8	21.6	25.0
Copper		M	mg/kg	5	164	250	n/t	33.2	216	n/t	30.2	371	n/t	141	150	311
Lead		M	mg/kg	5	1300	1370	n/t	297	1590	n/t	159	3630	n/t	602	672	1130
Mercury		M	mg/kg	0.5	2.3	1.0	n/t	< 0.5	1.9	n/t	< 0.5	16.6	n/t	1.4	0.8	0.8
Molybdenum		N	mg/kg	0.5	6.9	8.1	n/t	1.6	8.5	n/t	1.7	20.5	n/t	3.9	10.0	9.1
Nickel		M	mg/kg	5	37.1	43.9	n/t	11.3	35.5	n/t	22.6	96.5	n/t	34.4	55.8	49.9
Selenium		M	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
Thallium		N	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5	n/t	< 0.5	0.6	n/t	< 0.5	< 0.5	< 0.5
Vanadium		M	mg/kg	5	43.7	53.0	n/t	14.0	48.4	n/t	22.0	113	n/t	30.1	52.0	47.6
Zinc		M	mg/kg	5	318	390	n/t	151	563	n/t	75.6	873	n/t	413	569	329
Anions																
Water Soluble Nitrate		M	mg/kg	40	< 40	< 40	n/t	< 40	< 40	n/t	< 40	< 40	n/t	< 40	< 40	< 40
Water Soluble Sulphate		M	g/l	0.02	0.05	0.04	n/t	< 0.02	0.03	n/t	0.05	0.02	n/t	< 0.02	0.05	< 0.02
Inorganics																
Complex Cyanide		N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	1.0	n/t	< 1.0	< 1.0	< 1.0
Elemental Sulphur		M	mg/kg	20	64	47	n/t	< 20	90	n/t	< 20	< 20	n/t	< 20	61	128
Free Cyanide		N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
Hexavalent Chromium		N	mg/kg	0.8	< 0.8	< 0.8	n/t	< 0.8	< 0.8	n/t	< 0.8	< 0.8	n/t	< 0.8	< 0.8	< 0.8
Total Sulphide		N	mg/kg	2	< 2	< 2	n/t	< 2	< 2	n/t	< 2	< 2	n/t	< 2	< 2	< 2
Total Cyanide		M	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	1.0	n/t	< 1.0	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)		U	%	0.02	0.07	0.12	n/t	0.02	0.09	n/t	0.03	0.11	n/t	0.04	0.08	0.07
Water Soluble Boron		N	mg/kg	0.5	2.2	0.9	n/t	0.9	0.6	n/t	< 0.5	0.8	n/t	0.9	0.5	< 0.5
Miscellaneous																
pH		M	pH units	0.1	7.6	8.2	n/t	8.3	7.8	n/t	8.1	7.6	n/t	8.0	7.9	8.0
Soil Organic Matter		U	%	0.1	5.0	3.4	n/t	2.5	4.5	n/t	1.9	6.2	n/t	3.6	5.0	2.8
Total Organic Carbon		N	%	0.01	11	9.9	13	1.1	12	11	3.0	20	23	2.2	17	4.3



Results Summary

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ELAB Reference	362776	362778	362779	362781	362783	362784	362786	362788	362789	362791	362794	362796
Customer Reference												
Sample ID												
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP101	TP102	TP102	TP1003	TP104	TP104	TP105	TP106	TP106	TP107	TP110	TP111
Sample Depth (m)	0.50	0.30	0.50	0.05	0.50	0.60	0.30	0.20	0.50	0.20	0.50	0.30
Sampling Date	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determinand	Codes	Units	LOD									
BTEX												
Benzene	M	ug/kg	10	< 10.0	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	< 10.0	n/t	< 10.0	< 10.0	n/t	< 10.0	< 10.0	< 10.0
TPH CWG												
>C5-C6 Aliphatic (HS_1D_MS_AL)	N	mg/kg	0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic (HS_1D_MS_AL)	N	mg/kg	0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	< 1.0	1.2	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	< 1.0	5.7	n/t	< 1.0	< 1.0	n/t	< 1.0	3.6	< 1.0
>C16-C35 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	16.8	195	n/t	17.5	19.6	n/t	4.1	34.8	57.8
>C21-C35 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	16.2	190	n/t	17.0	19.1	n/t	3.8	32.4	54.2
>C35-C40 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	4.6	75.2	n/t	4.0	6.7	n/t	< 1.0	7.0	9.5
Total (>C5-C40) Aliphatic (HS_1D_MS+EH_CU_1D_AL)	N	mg/kg	1	20.8	272	n/t	21.0	25.9	n/t	3.8	43.1	46.5
>C5-C7 Aromatic (HS_1D_MS_AR)	N	mg/kg	0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic (HS_1D_MS_AR)	N	mg/kg	0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01	n/t	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	< 1.0	n/t	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	< 1.0	1.4	n/t	< 1.0	< 1.0	n/t	< 1.0	1.7	< 1.0
>C16-C21 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	< 1.0	8.5	n/t	< 1.0	< 1.0	n/t	< 1.0	8.1	1.8
>C21-C35 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	24.0	315	n/t	41.2	29.1	n/t	12.5	82.1	79.2
>C35-C40 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	7.5	115	n/t	13.9	12.3	n/t	3.3	14.0	20.7
Total (>C5-C40) Aromatic (HS_1D_MS+EH_CU_1D_AR)	N	mg/kg	1	31.5	440	n/t	55.1	41.4	n/t	15.8	106	102
Total (>C5-C40) Ali/Aro (HS_1D_MS+EH_CU_1D_Total)	N	mg/kg	1	52.3	711	n/t	76.1	67.2	n/t	19.6	149	148

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ELAB Reference	362776	362778	362781	362783	362786	362788	362791	362794	362796
Customer Reference									
Sample ID									
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP101	TP102	TP1003	TP104	TP105	TP106	TP107	TP110	TP111
Sample Depth (m)	0.50	0.30	0.05	0.50	0.30	0.20	0.20	0.50	0.30
Sampling Date	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determinand	Codes	Units	LOD						
VOC									
Heptane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Octane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Nonane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
m-p-xylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
o-xylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,2-dichloroethene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1-Dichloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chloroform	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Tetrachloromethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,1-Trichloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Trichloroethylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Tetrachloroethylene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,1,2-Tetrachloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,2,2-Tetrachloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Chlorobenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromobenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromodichloromethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Methylethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Trans - 1,2 -dichloroethylene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2,2-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromochloromethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichloroethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibromomethane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichloropropane	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
cis-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
trans-1,3-Dichloro-1-propene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,1,2-Trichloroethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibromochloromethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3-Dichloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-dibromoethane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Styrene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Propylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2,4-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorotoluene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
t-butylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3,5-Trimethylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-methylpropylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
p-cymene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,3-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Butylbenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromo-3-chloropropane	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Hexachlorobutadiene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-2-3 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Naphthalene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1-2-4 - Trichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,4-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dichlorobenzene	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Bromoform	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VOC TIC									
Various	N	ug/kg	10	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected

Results Summary

Report No.: 24-54082, issue number 1

ELAB Reference				362776	362778	362781	362783	362786	362788	362791	362794	362796
Customer Reference												
Sample ID												
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP101	TP102	TP1003	TP104	TP105	TP106	TP107	TP110	TP111
Sample Depth (m)				0.50	0.30	0.05	0.50	0.30	0.20	0.20	0.50	0.30
Sampling Date				28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determinand	Codes	Units	LOD									
SVOC												
Phenol	N	mg/kg	0.01	0.03	0.04	0.02	0.07	< 0.01	0.07	< 0.01	0.01	< 0.01
Aniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bis(2-chloroethyl)ether	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Chlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzyl Alcohol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,2-Dichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Methylphenol	N	mg/kg	0.01	0.01	0.04	0.01	0.02	< 0.01	0.03	< 0.01	0.01	< 0.01
Bis(2-chloroisopropyl)ether	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
3 and 4-methylphenol	N	mg/kg	0.01	0.04	0.09	0.03	0.09	0.02	0.09	< 0.01	0.03	< 0.01
N-Nitrosodi-n-propylamine	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachloroethane	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Nitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Isophorone	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dimethylphenol	N	mg/kg	0.01	0.02	0.04	0.02	0.04	0.01	0.03	< 0.01	0.03	< 0.01
Bis(2-chloroethoxy)methane	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,3,5-Trichlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Naphthalene	N	mg/kg	0.01	0.60	2.60	0.27	0.66	0.07	0.58	0.11	0.14	0.11
3-Chloroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachloro-1,3-butadiene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
4-Chloro-3-methylphenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Methylnaphthalene	N	mg/kg	0.01	0.71	0.91	0.10	0.58	0.12	0.50	0.09	0.24	0.14
1-Methylnaphthalene	N	mg/kg	0.01	0.53	0.71	0.09	0.50	0.13	0.39	0.07	0.24	0.12
Hexachlorocyclopentadiene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,6-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4,5-Trichlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-Chloronaphthalene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1,4-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dimethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-3-dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2-6-dinitrotoluene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	N	mg/kg	0.01	0.22	0.14	0.07	1.31	0.02	0.83	0.03	0.08	0.03
1,2-Dinitrobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
3-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	N	mg/kg	0.01	0.15	0.81	0.15	0.15	0.03	0.14	0.04	0.21	0.02
4-nitrophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenzofuran	N	mg/kg	0.01	0.24	0.49	0.13	0.80	0.05	0.25	0.03	0.17	0.06
2,3,5,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,3,4,6-Tetrachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diethyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-chloro-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	N	mg/kg	0.01	0.17	0.42	0.14	0.88	0.03	0.30	0.03	0.17	0.02
4-Nitroaniline	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dinitro-o-cresol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diphenylamine	N	mg/kg	0.01	0.02	0.03	< 0.01	0.02	0.01	0.06	< 0.01	0.03	< 0.01
Azobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
1-bromo-4-phenoxybenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobenzene	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Pentachlorophenol	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	N	mg/kg	0.01	2.48	4.15	2.16	18.0	0.31	3.26	0.64	2.97	0.29
Anthracene	N	mg/kg	0.01	0.68	1.02	0.43	1.43	0.09	2.32	0.24	1.22	0.10
Carbazole	N	mg/kg	0.01	0.15	0.32	0.11	1.07	0.02	0.15	0.04	0.22	0.03
Dibutyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	N	mg/kg	0.01	7.32	6.94	2.85	26.3	0.89	20.9	3.65	9.26	0.97
Pyrene	N	mg/kg	0.01	6.81	6.71	3.12	21.9	0.82	20.1	3.43	8.18	0.97
Butyl benzyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Bis-2-ethylhexyladipate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Diisooctyl phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	N	mg/kg	0.01	3.00	3.01	0.72	6.80	0.47	9.79	2.06	4.35	0.60
Chrysene	N	mg/kg	0.01	3.63	3.61	1.42	10.9	0.54	9.41	2.12	4.69	0.73
Bis(2-ethylhexyl)phthalate	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	N	mg/kg	0.01	2.26	2.67	0.88	6.96	0.46	7.44	1.64	3.52	0.88
Benzo(k)fluoranthene	N	mg/kg	0.01	2.71	2.77	0.93	8.71	0.52	6.85	1.82	3.68	0.94
Benzo(a)pyrene	N	mg/kg	0.01	3.65	4.19	1.29	10.8	0.67	11.4	2.44	5.47	1.18
Indeno(1,2,3-cd)pyrene	N	mg/kg	0.01	1.81	1.97	0.60	5.63	0.34	4.89	1.09	2.50	0.74
Dibenzo(a,h)anthracene	N	mg/kg	0.01	0.50	0.55	0.22	1.93	0.13	1.47	0.33	0.89	0.28
Benzo(g,h,i)perylene	N	mg/kg	0.01	2.25	2.66	0.84	6.72	0.45	5.94	1.33	2.99	1.01

Results Summary

Report No.: 24-54082, issue number 1

ELAB Reference				362776	362778	362781	362783	362786	362788	362791	362794	362796
Customer Reference												
Sample ID												
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP101	TP102	TP1003	TP104	TP105	TP106	TP107	TP110	TP111
Sample Depth (m)				0.50	0.30	0.05	0.50	0.30	0.20	0.20	0.50	0.30
Sampling Date				28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determinand	Codes	Units	LOD									
SVOC												
SVOC TIC												
Various	N	mg/kg	0.01	See Below	See Below	See Below	See Below	See Below	See Below	See Below	See Below	See Below
11H-Benzo[b]fluorene	N	mg/kg	0.01	1.17	-	-	-	-	-	-	-	-
11H-Benzo[b]fluorene	N	mg/kg	0.01	0.65	-	-	-	-	-	-	-	-
1H-Indene, 2-phenyl-	N	mg/kg	0.01	1.17	-	-	-	-	-	-	-	-
9H-Fluorene, 9-methylene-	N	mg/kg	0.01	2.07	-	-	-	-	-	-	-	-
Benzo[b]naphtho[2,3-d]furan	N	mg/kg	0.01	0.55	-	-	-	-	-	-	-	-
Benzo[e]pyrene	N	mg/kg	0.01	3.11	-	-	-	-	-	-	-	-
Chrysene, 1-methyl-	N	mg/kg	0.01	1.97	-	-	-	-	-	-	-	-
Dibenzo[def,mno]chrysene	N	mg/kg	0.01	3.27	-	-	-	-	-	-	-	-
Hexane, 2,4-dimethyl-	N	mg/kg	0.01	0.73	-	-	-	-	-	-	-	-
Naphthalene	N	mg/kg	0.01	6.84	-	-	-	-	-	-	-	-
Naphthalene, 2-phenyl-	N	mg/kg	0.01	0.35	-	-	-	-	-	-	-	-
Octane	N	mg/kg	0.01	0.71	-	-	-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-	N	mg/kg	0.01	0.50	-	-	-	-	-	-	-	-
Perylene	N	mg/kg	0.01	3.80	-	-	-	-	-	-	-	-
Phenanthrene, 4-methyl-	N	mg/kg	0.01	1.86	-	-	-	-	-	-	-	-
11H-Benzo[b]fluorene	N	mg/kg	0.01	-	1.27	-	-	-	-	-	-	-
1H-Indene, 2-phenyl-	N	mg/kg	0.01	-	1.06	-	-	-	-	-	-	-
6H-Cyclobuta[jk]phenanthrene	N	mg/kg	0.01	-	0.81	-	-	-	-	-	-	-
9H-Fluorene, 9-methylene-	N	mg/kg	0.01	-	3.52	-	-	-	-	-	-	-
Benzimidazo[2,1-a]isoquinoline	N	mg/kg	0.01	-	0.13	-	-	-	-	-	-	-
Benzo[b]fluoranthene	N	mg/kg	0.01	-	9.33	-	-	-	-	-	-	-
Benzo[e]pyrene	N	mg/kg	0.01	-	8.10	-	-	-	-	-	-	-
Benzo[k]fluoranthene	N	mg/kg	0.01	-	2.98	-	-	-	-	-	-	-
Decane, 2,4-dimethyl-	N	mg/kg	0.01	-	0.39	-	-	-	-	-	-	-
Dibenzo[def,mno]chrysene	N	mg/kg	0.01	-	0.68	-	-	-	-	-	-	-
Methane, tribromofluoro-	N	mg/kg	0.01	-	0.42	-	-	-	-	-	-	-
Naphthalene	N	mg/kg	0.01	-	7.61	-	-	-	-	-	-	-
Naphthalene, 2-methyl-	N	mg/kg	0.01	-	0.63	-	-	-	-	-	-	-
Octane	N	mg/kg	0.01	-	0.56	-	-	-	-	-	-	-
Pentane, 2,2,3,4-tetramethyl-	N	mg/kg	0.01	-	0.59	-	-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-	N	mg/kg	0.01	-	0.38	-	-	-	-	-	-	-
Perylene	N	mg/kg	0.01	-	0.85	-	-	-	-	-	-	-
11H-Benzo[a]fluorene	N	mg/kg	0.01	-	-	0.22	-	-	-	-	-	-
7H-Benzo[c]fluorene	N	mg/kg	0.01	-	-	0.66	-	-	-	-	-	-
9H-Fluorene, 9-methylene-	N	mg/kg	0.01	-	-	1.93	-	-	-	-	-	-
Benzo[c]phenanthrene	N	mg/kg	0.01	-	-	2.03	-	-	-	-	-	-
Benzo[e]pyrene	N	mg/kg	0.01	-	-	1.21	-	-	-	-	-	-
Decane, 2,4-dimethyl-	N	mg/kg	0.01	-	-	0.58	-	-	-	-	-	-
Guanidine	N	mg/kg	0.01	-	-	0.06	-	-	-	-	-	-
Octane	N	mg/kg	0.01	-	-	0.63	-	-	-	-	-	-
Octane, 4-methyl-	N	mg/kg	0.01	-	-	0.70	-	-	-	-	-	-
Perylene	N	mg/kg	0.01	-	-	1.00	-	-	-	-	-	-
Phenanthrene, 3-methyl-	N	mg/kg	0.01	-	-	0.79	-	-	-	-	-	-
11H-Benzo[b]fluorene	N	mg/kg	0.01	-	-	-	3.45	-	-	-	-	-
11H-Indeno[2,1-a]phenanthrene	N	mg/kg	0.01	-	-	-	1.75	-	-	-	-	-
1H-Indene, 1-(phenylmethylene)-	N	mg/kg	0.01	-	-	-	1.40	-	-	-	-	-
2-Fluorobenzylamine, N,N-didecyl	N	mg/kg	0.01	-	-	-	2.01	-	-	-	-	-
3,4-Dihydroxyphenylglycol, 4TMS derivative	N	mg/kg	0.01	-	-	-	0.42	-	-	-	-	-
5,12-Naphthacenedione	N	mg/kg	0.01	-	-	-	0.65	-	-	-	-	-
5,7-Dimethylpyrimido-[3,4-a]-indole	N	mg/kg	0.01	-	-	-	0.59	-	-	-	-	-
6H-Cyclobuta[jk]phenanthrene	N	mg/kg	0.01	-	-	-	2.42	-	-	-	-	-
7H-Benz[de]anthracene-7-one	N	mg/kg	0.01	-	-	-	1.29	-	-	-	-	-
9,10-Anthracenedione	N	mg/kg	0.01	-	-	-	2.67	-	-	-	-	-
9H-Cyclopenta[a]pyrene	N	mg/kg	0.01	-	-	-	1.79	-	-	-	-	-
9H-Fluoren-9-one	N	mg/kg	0.01	-	-	-	0.51	-	-	-	-	-
Acenaphthylene	N	mg/kg	0.01	-	-	-	0.90	-	-	-	-	-
Benzimidazo[2,1-a]isoquinoline	N	mg/kg	0.01	-	-	-	0.68	-	-	-	-	-
Benzo[b]naphtho[2,1-d]thiophene	N	mg/kg	0.01	-	-	-	1.33	-	-	-	-	-
Benzo[b]naphtho[2,3-d]furan	N	mg/kg	0.01	-	-	-	1.79	-	-	-	-	-
Benzo[e]pyrene	N	mg/kg	0.01	-	-	-	2.03	-	-	-	-	-
Benzo[k]xanthene	N	mg/kg	0.01	-	-	-	0.53	-	-	-	-	-
Chrysene, 1-methyl-	N	mg/kg	0.01	-	-	-	3.89	-	-	-	-	-
Decane, 2,4-dimethyl-	N	mg/kg	0.01	-	-	-	0.41	-	-	-	-	-
Nonane, 3,7-dimethyl-	N	mg/kg	0.01	-	-	-	0.36	-	-	-	-	-
Phenanthrene	N	mg/kg	0.01	-	-	-	16.74	-	-	-	-	-
Phenanthrene, 2-methyl-	N	mg/kg	0.01	-	-	-	5.63	-	-	-	-	-
Phenanthrene, 3,6-dimethyl-	N	mg/kg	0.01	-	-	-	3.80	-	-	-	-	-
Triphenylene	N	mg/kg	0.01	-	-	-	19.18	-	-	-	-	-
1,2,4,5-Dibenzopyrene	N	mg/kg	0.01	-	-	-	-	4.85	-	-	-	-
11H-Benzo[a]fluorene	N	mg/kg	0.01	-	-	-	-	0.23	-	-	-	-
5H-Tetrazol-5-amine	N	mg/kg	0.01	-	-	-	-	0.18	-	-	-	-

Results Summary

Report No.: 24-54082, issue number 1

ELAB Reference				362776	362778	362781	362783	362786	362788	362791	362794	362796
Customer Reference												
Sample ID												
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				TP101	TP102	TP1003	TP104	TP105	TP106	TP107	TP110	TP111
Sample Depth (m)				0.50	0.30	0.05	0.50	0.30	0.20	0.20	0.50	0.30
Sampling Date				28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024	28/05/2024
Determinand	Codes	Units	LOD									
SVOC												
Benzo[e]pyrene	N	mg/kg	0.01	-	-	-	-	0.75	-	-	-	-
Butane, 2,2-dimethyl-	N	mg/kg	0.01	-	-	-	-	0.15	-	-	-	-
Naphthacene	N	mg/kg	0.01	-	-	-	-	1.17	-	-	-	-
Perylene	N	mg/kg	0.01	-	-	-	-	1.87	-	-	-	-
Tetradecane, 1-iodo-	N	mg/kg	0.01	-	-	-	-	0.17	-	-	-	-
Tridecane, 7-hexyl-	N	mg/kg	0.01	-	-	-	-	0.49	-	-	-	-
Undecane, 4,7-dimethyl-	N	mg/kg	0.01	-	-	-	-	0.64	-	-	-	-
11H-Benzo[a]fluorene	N	mg/kg	0.01	-	-	-	-	-	2.09	-	-	-
11H-Benzo[b]fluorene	N	mg/kg	0.01	-	-	-	-	-	4.80	-	-	-
1H-Tetrazol-5-amine	N	mg/kg	0.01	-	-	-	-	-	0.53	-	-	-
3-Hexanone, 2,5-dimethyl-	N	mg/kg	0.01	-	-	-	-	-	0.37	-	-	-
5,7-Dimethylpyrimido-[3,4-a]-indole	N	mg/kg	0.01	-	-	-	-	-	0.47	-	-	-
6H-Cyclobuta[jk]phenanthrene	N	mg/kg	0.01	-	-	-	-	-	2.56	-	-	-
7H-Benzo[c]fluorene	N	mg/kg	0.01	-	-	-	-	-	4.45	-	-	-
8H-Indeno[2,1-b]phenanthrene	N	mg/kg	0.01	-	-	-	-	-	2.83	-	-	-
8-Methyl-5H-pyrido[4,3-b]indole	N	mg/kg	0.01	-	-	-	-	-	0.34	-	-	-
9,10-Anthracenedione	N	mg/kg	0.01	-	-	-	-	-	0.41	-	-	-
9H-Fluorene, 9-methylene-	N	mg/kg	0.01	-	-	-	-	-	2.46	-	-	-
9H-Xanthene	N	mg/kg	0.01	-	-	-	-	-	0.40	-	-	-
Benzimidazo[2,1-a]isoquinoline	N	mg/kg	0.01	-	-	-	-	-	0.72	-	-	-
Benzo(b)naphtho(1,2-d)furan	N	mg/kg	0.01	-	-	-	-	-	1.37	-	-	-
Benzo[b]fluoranthene	N	mg/kg	0.01	-	-	-	-	-	10.72	-	-	-
Benzo[e]pyrene	N	mg/kg	0.01	-	-	-	-	-	10.50	-	-	-
Benzo[k]xanthene	N	mg/kg	0.01	-	-	-	-	-	1.41	-	-	-
Chrysene, 1-methyl-	N	mg/kg	0.01	-	-	-	-	-	6.22	-	-	-
Decane, 6-ethyl-2-methyl-	N	mg/kg	0.01	-	-	-	-	-	0.38	-	-	-
d-Proline, N-methoxycarbonyl-, dodecyl ester	N	mg/kg	0.01	-	-	-	-	-	0.31	-	-	-
Hexane, 2,3,4-trimethyl-	N	mg/kg	0.01	-	-	-	-	-	0.78	-	-	-
L-Proline, n-heptafluorobutyl-, decyl ester	N	mg/kg	0.01	-	-	-	-	-	2.33	-	-	-
Naphthalene, 1,2-dimethyl-	N	mg/kg	0.01	-	-	-	-	-	0.49	-	-	-
Naphthalene, 1-phenyl-	N	mg/kg	0.01	-	-	-	-	-	0.69	-	-	-
Naphthalene, 2-phenyl-	N	mg/kg	0.01	-	-	-	-	-	0.65	-	-	-
Octane	N	mg/kg	0.01	-	-	-	-	-	0.77	-	-	-
Pentane, 2,2-dimethyl-	N	mg/kg	0.01	-	-	-	-	-	0.30	-	-	-
11H-Benzo[b]fluorene	N	mg/kg	0.01	-	-	-	-	-	-	0.23	-	-
Benzo[e]pyrene	N	mg/kg	0.01	-	-	-	-	-	-	1.67	-	-
Dibenzo[def,mno]chrysene	N	mg/kg	0.01	-	-	-	-	-	-	1.95	-	-
Indeno[1,2,3-cd]pyrene	N	mg/kg	0.01	-	-	-	-	-	-	1.65	-	-
Naphthacene	N	mg/kg	0.01	-	-	-	-	-	-	5.29	-	-
Octane, 4-methyl-	N	mg/kg	0.01	-	-	-	-	-	-	0.48	-	-
Perylene	N	mg/kg	0.01	-	-	-	-	-	-	2.59	-	-
Undecane, 5,6-dimethyl-	N	mg/kg	0.01	-	-	-	-	-	-	0.50	-	-
11H-Benzo[a]fluorene	N	mg/kg	0.01	-	-	-	-	-	-	-	1.38	-
4H-Cyclopenta[def]phenanthrene	N	mg/kg	0.01	-	-	-	-	-	-	-	0.74	-
6H-Cyclobuta[jk]phenanthrene	N	mg/kg	0.01	-	-	-	-	-	-	-	0.82	-
9H-Fluorene, 9-methylene-	N	mg/kg	0.01	-	-	-	-	-	-	-	2.30	-
Benzo[c]phenanthrene	N	mg/kg	0.01	-	-	-	-	-	-	-	7.72	-
Chrysene, 1-methyl-	N	mg/kg	0.01	-	-	-	-	-	-	-	2.85	-
Methane, isocyanato-	N	mg/kg	0.01	-	-	-	-	-	-	-	0.13	-
Octane	N	mg/kg	0.01	-	-	-	-	-	-	-	0.56	-
Pentane, 2,2,3,4-tetramethyl-	N	mg/kg	0.01	-	-	-	-	-	-	-	0.49	-
Perylene	N	mg/kg	0.01	-	-	-	-	-	-	-	1.25	-
Terbutaline, N-trifluoroacetyl-O,O,o-tris(trimethylsilyl)-	N	mg/kg	0.01	-	-	-	-	-	-	-	0.14	-
2(3H)-Furanone, 5-acetyldihydro-	N	mg/kg	0.01	-	-	-	-	-	-	-	-	0.03
Benzo[ghi]perylene	N	mg/kg	0.01	-	-	-	-	-	-	-	-	1.36
Naphthacene	N	mg/kg	0.01	-	-	-	-	-	-	-	-	1.78
Octane, 2,4,6-trimethyl-	N	mg/kg	0.01	-	-	-	-	-	-	-	-	0.94
Pentane, 2,2,3,4-tetramethyl-	N	mg/kg	0.01	-	-	-	-	-	-	-	-	0.66
Perylene	N	mg/kg	0.01	-	-	-	-	-	-	-	-	0.94
Terbutaline, N-trifluoroacetyl-O,O,o-tris(trimethylsilyl)-	N	mg/kg	0.01	-	-	-	-	-	-	-	-	0.17



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

Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 24-54082, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

In accordance with procedures, a 1kg soil sample should be analysed. For amounts less than this caution should be used when analysing the data as sample size is smaller than the recommended amount, therefore samples could be deemed as not being representative of the materials present on site.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)	F/mm2 (I)
362776	0.50	TP101	Brown Sandy Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362778	0.30	TP102	Brown Sandy Soil, Stones, Clinker, Brick	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362781	0.05	TP1003	Grey Sandy Soil, Stones, Synthetic	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362783	0.50	TP104	Brown Sandy Soil, Stones, Clinker, Brick	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362786	0.30	TP105	Brown Sandy Soil, Stones	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362788	0.20	TP106	Brown Sandy Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362791	0.20	TP107	Brown Sandy Soil, Stones	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362794	0.50	TP110	Brown Sandy Soil, Stones, Clinker	No asbestos detected	n/t	n/t	n/t	n/t	n/t
362796	0.30	TP111	Brown Sandy Soil, Stones, Clinker, Slate	No asbestos detected	n/t	n/t	n/t	n/t	n/t

Method Summary

Report No.: 24-54082, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Free cyanide	N	As submitted sample	03/06/2024		Colorimetry
VOC in solids	M	As submitted sample	03/06/2024		GC-MS
Free cyanide	N	As submitted sample	03/06/2024	107	Colorimetry
Sulphide	N	As submitted sample	31/05/2024	109	Colorimetry
Hexavalent chromium	N	As submitted sample	31/05/2024	110	Colorimetry
pH	M	Air dried sample	31/05/2024	113	Electromeric
Acid Soluble Sulphate	U	Air dried sample	03/06/2024	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	31/05/2024	300	ICPMS
Elemental Sulphur	M	Air dried sample	31/05/2024	122	HPLC
SVOC in solids	N	As submitted sample	31/05/2024	167	GC-MS
Water soluble anions	M	Air dried sample	31/05/2024	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	03/06/2024	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	03/06/2024	181	GC-MS
VOC in solids	M	As submitted sample	03/06/2024	181	GC-MS
BTEX in solids	M	As submitted sample	03/06/2024	181A	GC-MS
Water soluble boron	N	Air dried sample	31/05/2024	202	Colorimetry
Total cyanide	M	As submitted sample	03/06/2024	204	Colorimetry
Total organic carbon/Total sulphur	N	Air dried sample	03/06/2024	210	IR
Aliphatic hydrocarbons in soil	N	As submitted sample	04/06/2024	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	04/06/2024	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	04/06/2024	214	GC-FID
Asbestos identification	U	Air dried sample	03/06/2024	281	Microscopy
Soil organic matter	U	Air dried sample	31/05/2024	BS1377:P3	Titrimetry

Tests marked N are not UKAS accredited

Report Information

Report No.: 24-54082, 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

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry

End of Report



ANALYTICAL TEST REPORT

Report Number 24-03822, issue number 1

Contract name: Spring Street Sawmills

Client reference: 24-04-04

Clients name: Demeter Environmental Ltd

Clients address: DEMENV
54 St James Street
Liverpool
L1 0AB

Samples received: 05/11/2024

Analysis started: 05/11/2024

Analysis completed: 11/11/2024

Report issued: 11/11/2024

Key

U UKAS accredited test

M MCERTS & UKAS accredited test

\$ Test carried out by an approved subcontractor

I/S Insufficient sample to carry out test

U/S Sample not suitable for testing

NAD No Asbestos Detected

Approved by: Ryan Wetherell
General Manager

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
21401	TP201	0.00 - 0.10	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	27.2
21402	TP201	0.00 - 0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.5
21403	TP202	0.00 - 0.10	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21404	TP202	0.00 - 0.70	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	13.1
21405	TP203	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.5
21406	TP203	0.00 - 0.90	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.3
21407	TP204	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	7.3
21408	TP204	0.00 - 1.00	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21409	TP205	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.9
21410	TP205	0.00 - 0.60	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21411	TP206	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21412	TP206	0.00 - 1.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.4
21413	TP207	0.00 - 0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.8
21414	TP207	0.00 - 1.00	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.2
21415	TP208	0.00 - 0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	24.6
21416	TP208	0.00 - 0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21417	TP209	0.00 - 0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	21.0
21418	TP209	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21419	TP210	0.00 - 0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.7
21420	TP210	0.00 - 0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.9
21421	TP211	0.00 - 0.20	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.2
21422	TP211	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21423	TP212	0.00 - 0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.3
21424	TP212	0.00 - 0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	22.6
21425	TP212	0.00 - 0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21426	TP213	0.00 - 0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	11.6
21427	TP213	0.00 - 0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.5
21428	TP213	0.00 - 1.00	Brown Clay with Gravel and Vegetation.	-	-	21.0

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

- a Sampling date not provided
- b Sampling time not provided (waters only)
- c Sample not received in appropriate containers
- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21401	TP201	0.00 - 0.10	N	
21402	TP201	0.00 - 0.40	N	
21403	TP202	0.00 - 0.10	N	
21404	TP202	0.00 - 0.70	N	
21405	TP203	0.00 - 0.50	N	
21406	TP203	0.00 - 0.90	N	
21407	TP204	0.00 - 0.50	N	
21408	TP204	0.00 - 1.00	N	
21409	TP205	0.00 - 0.50	N	
21410	TP205	0.00 - 0.60	N	
21411	TP206	0.00 - 0.50	N	
21412	TP206	0.00 - 1.30	N	
21413	TP207	0.00 - 0.40	N	
21414	TP207	0.00 - 1.00	N	
21415	TP208	0.00 - 0.40	N	
21416	TP208	0.00 - 0.80	N	
21417	TP209	0.00 - 0.30	N	
21418	TP209	0.00 - 0.50	N	
21419	TP210	0.00 - 0.30	N	
21420	TP210	0.00 - 0.80	N	
21421	TP211	0.00 - 0.20	N	
21422	TP211	0.00 - 0.50	N	
21423	TP212	0.00 - 0.40	N	
21424	TP212	0.00 - 0.50	N	
21425	TP212	0.00 - 0.80	N	
21426	TP213	0.00 - 0.30	N	

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.
For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.
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Key

- a Sampling date not provided
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- c Sample not received in appropriate containers
- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21427	TP213	0.00 - 0.80	N	
21428	TP213	0.00 - 1.00	N	

SOILS

Lab Number					21401	21402	21403	21404	21405
Sample ID					TP201	TP201	TP202	TP202	TP203
Depth (m)					0.00 - 0.10	0.00 - 0.40	0.00 - 0.10	0.00 - 0.70	0.00 - 0.50
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	3.9	1.1	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	27.2	19.5	19.0	13.1	18.5



SOILS

Lab Number					21406	21407	21408	21409	21410
Sample ID					TP203	TP204	TP204	TP205	TP205
Depth (m)					0.00 - 0.90	0.00 - 0.50	0.00 - 1.00	0.00 - 0.50	0.00 - 0.60
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	< 0.7	< 0.7	1.1
Combustion									
Moisture Content	CE001	N	0.1	%	19.3	7.3	20.0	17.9	18.1

SOILS

Lab Number					21411	21412	21413	21414	21415
Sample ID					TP206	TP206	TP207	TP207	TP208
Depth (m)					0.00 - 0.50	0.00 - 1.30	0.00 - 0.40	0.00 - 1.00	0.00 - 0.40
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	1.2	0.9	2.0	< 0.7	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	20.4	18.8	17.2	24.6



SOILS

Lab Number					21416	21417	21418	21419	21420
Sample ID					TP208	TP209	TP209	TP210	TP210
Depth (m)					0.00 - 0.80	0.00 - 0.30	0.00 - 0.50	0.00 - 0.30	0.00 - 0.80
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	0.8	0.9	< 0.7	5.1	1.0
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	21.0	20.0	19.7	14.9

SOILS

Lab Number					21421	21422	21423	21424	21425
Sample ID					TP211	TP211	TP212	TP212	TP212
Depth (m)					0.00 - 0.20	0.00 - 0.50	0.00 - 0.40	0.00 - 0.50	0.00 - 0.80
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	12.1	1.6	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	30.2	19.0	30.3	22.6	18.1

SOILS

Lab Number					21426	21427	21428
Sample ID					TP213	TP213	TP213
Depth (m)					0.00 - 0.30	0.00 - 0.80	0.00 - 1.00
Sampling Date					01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units			
Metals							
Mercury	CE264	U	0.7	mg/kg	< 0.7	1.6	< 0.7
Combustion							
Moisture Content	CE001	N	0.1	%	11.6	17.5	21.0

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE264	Metals by ICP in Soil	ICPOES	Air dried sample

ANALYTICAL TEST REPORT

Report Number 24-03822, issue number 1

Contract name: Spring Street Sawmills

Client reference: 24-04-04

Clients name: Demeter Environmental Ltd

Clients address: DEMENV
54 St James Street
Liverpool
L1 0AB

Samples received: 05/11/2024

Analysis started: 05/11/2024

Analysis completed: 11/11/2024

Report issued: 11/11/2024

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
\$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
U/S	Sample not suitable for testing
NAD	No Asbestos Detected



Approved by: Ryan Wetherell
General Manager

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
21401	TP201	0.1	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	27.2
21402	TP201	0.4	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.5
21403	TP202	0.1	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21404	TP202	0.7	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	13.1
21405	TP203	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.5
21406	TP203	0.9	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.3
21407	TP204	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	7.3
21408	TP204	1	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21409	TP205	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.9
21410	TP205	0.6	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21411	TP206	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21412	TP206	1.3	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.4
21413	TP207	0.4	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.8
21414	TP207	1	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.2
21415	TP208	0.4	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	24.6
21416	TP208	0.8	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21417	TP209	0.3	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	21.0
21418	TP209	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21419	TP210	0.3	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.7
21420	TP210	0.8	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.9
21421	TP211	0.2	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.2
21422	TP211	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21423	TP212	0.4	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.3
21424	TP212	0.5	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	22.6
21425	TP212	0.8	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21426	TP213	0.3	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	11.6
21427	TP213	0.8	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.5
21428	TP213	1	Brown Clay with Gravel and Vegetation.	-	-	21.0

DEVIATING SAMPLE INFORMATION

Comments

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- c Sample not received in appropriate containers
- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21401	TP201	0.1	N	
21402	TP201	0.4	N	
21403	TP202	0.1	N	
21404	TP202	0.7	N	
21405	TP203	0.5	N	
21406	TP203	0.9	N	
21407	TP204	0.5	N	
21408	TP204	1	N	
21409	TP205	0.5	N	
21410	TP205	0.6	N	
21411	TP206	0.5	N	
21412	TP206	1.3	N	
21413	TP207	0.4	N	
21414	TP207	1	N	
21415	TP208	0.4	N	
21416	TP208	0.8	N	
21417	TP209	0.3	N	
21418	TP209	0.5	N	
21419	TP210	0.3	N	
21420	TP210	0.8	N	
21421	TP211	0.2	N	
21422	TP211	0.5	N	
21423	TP212	0.4	N	
21424	TP212	0.5	N	
21425	TP212	0.8	N	
21426	TP213	0.3	N	

DEVIATING SAMPLE INFORMATION

Comments

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- d Storage Temperature
- e Headspace present in sample container
- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21427	TP213	0.8	N	
21428	TP213	1	N	

SOILS

Lab Number					21401	21402	21403	21404	21405
Sample ID					TP201	TP201	TP202	TP202	TP203
Depth (m)					0.1	0.4	0.1	0.7	0.5
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	3.9	1.1	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	27.2	19.5	19.0	13.1	18.5



SOILS

Lab Number					21406	21407	21408	21409	21410
Sample ID					TP203	TP204	TP204	TP205	TP205
Depth (m)					0.9	0.5	1	0.5	0.6
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	< 0.7	< 0.7	1.1
Combustion									
Moisture Content	CE001	N	0.1	%	19.3	7.3	20.0	17.9	18.1



SOILS

Lab Number					21411	21412	21413	21414	21415
Sample ID					TP206	TP206	TP207	TP207	TP208
Depth (m)					0.5	1.3	0.4	1	0.4
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	1.2	0.9	2.0	< 0.7	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	20.4	18.8	17.2	24.6



SOILS

Lab Number					21416	21417	21418	21419	21420
Sample ID					TP208	TP209	TP209	TP210	TP210
Depth (m)					0.8	0.3	0.5	0.3	0.8
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	0.8	0.9	< 0.7	5.1	1.0
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	21.0	20.0	19.7	14.9

SOILS

Lab Number					21421	21422	21423	21424	21425
Sample ID					TP211	TP211	TP212	TP212	TP212
Depth (m)					0.2	0.5	0.4	0.5	0.8
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	12.1	1.6	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	30.2	19.0	30.3	22.6	18.1



SOILS

Lab Number					21426	21427	21428
Sample ID					TP213	TP213	TP213
Depth (m)					0.3	0.8	1
Sampling Date					01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units			
Metals							
Mercury	CE264	U	0.7	mg/kg	< 0.7	1.6	< 0.7
Combustion							
Moisture Content	CE001	N	0.1	%	11.6	17.5	21.0

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE264	Metals by ICP in Soil	ICPOES	Air dried sample



ANALYTICAL TEST REPORT

Report Number 24-03822, issue number 3

Contract name: Spring Street Sawmills

Client reference: 24-04-04 - Spring Street, Sawmills

Clients name: Demeter Environmental Ltd

Clients address: DEMENV
54 St James Street
Liverpool
L1 0AB

Samples received: 05/11/2024

Analysis started: 05/11/2024

Analysis completed: 12/12/2024

Report issued: 12/12/2024
3. Replaces Analytical Report number 24-03822; issue no.2

Key

U	UKAS accredited test
M	MCERTS & UKAS accredited test
\$	Test carried out by an approved subcontractor
I/S	Insufficient sample to carry out test
U/S	Sample not suitable for testing
NAD	No Asbestos Detected

Approved by: Abbie Neasham-Bourn
Senior Reporting Administrator

Re-Issue Summary

Client: Demeter Environmental Ltd
Address: 54 St James Street, Liverpool, L1 0AB

Date: 12-Dec-24

Report No.: 24-03822

Issue: 3

This report replaces 24-03822, issue: 2, issued: 11 November 2024

Reason for Change

1. Client Request- Additional analysis

Details of Changes to Job / Samples

<u>Sample Ref</u>	<u>Field Name</u>	<u>Previous Data</u>	<u>New Data</u>	<u>Reason</u>	<u>Changed</u>
21401	ISSUEREASN	1. Client	12/12/2024		

Details of Changes to Work / Results

Sample Refs:

Tests* / Dets*:

Subcon Solids

Key

A - Additional Work added

D - Work Deleted

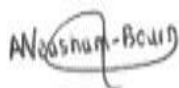
E - Result Edited*

R - Work Repeated*

*If a result changed, please refer to the previous report for the old result. The new result will be shown in this report.

Re-issued by: Abbie Neasham-Bourn
Senior Reporting Administrator

Approved by: Ryan Wetherell
General Manger



SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Lab ref	Sample ID	Depth (m)	Sample description	Material removed	% Removed	% Moisture
21401	TP201	0.10	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	27.2
21402	TP201	0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.5
21403	TP202	0.10	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21404	TP202	0.70	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	13.1
21405	TP203	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.5
21406	TP203	0.90	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.3
21407	TP204	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	7.3
21408	TP204	1.00	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21409	TP205	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.9
21410	TP205	0.60	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21411	TP206	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21412	TP206	1.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.4
21413	TP207	0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.8
21414	TP207	1.00	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.2
21415	TP208	0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	24.6
21416	TP208	0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.1
21417	TP209	0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	21.0
21418	TP209	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	20.0
21419	TP210	0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.7
21420	TP210	0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	14.9
21421	TP211	0.20	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.2
21422	TP211	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	19.0
21423	TP212	0.40	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	30.3
21424	TP212	0.50	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	22.6
21425	TP212	0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	18.1
21426	TP213	0.30	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	11.6
21427	TP213	0.80	Brown Sandy Loamy Clay with Gravel and Vegetation.	-	-	17.5
21428	TP213	1.00	Brown Clay with Gravel and Vegetation.	-	-	21.0

DEVIATING SAMPLE INFORMATION

Comments

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- e Headspace present in sample container
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- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21401	TP201	0.10	N	
21402	TP201	0.40	N	
21403	TP202	0.10	Y	Metals by ICP in Soil (f)
21404	TP202	0.70	N	
21405	TP203	0.50	N	
21406	TP203	0.90	N	
21407	TP204	0.50	N	
21408	TP204	1.00	N	
21409	TP205	0.50	N	
21410	TP205	0.60	N	
21411	TP206	0.50	N	
21412	TP206	1.30	N	
21413	TP207	0.40	N	
21414	TP207	1.00	N	
21415	TP208	0.40	N	
21416	TP208	0.80	N	
21417	TP209	0.30	N	
21418	TP209	0.50	N	
21419	TP210	0.30	Y	Metals by ICP in Soil (f)
21420	TP210	0.80	N	
21421	TP211	0.20	N	
21422	TP211	0.50	N	
21423	TP212	0.40	Y	Metals by ICP in Soil (f)
21424	TP212	0.50	N	
21425	TP212	0.80	N	
21426	TP213	0.30	N	

DEVIATING SAMPLE INFORMATION

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- f Sample exceeded sampling to receipt
- g Sample exceeded holding time(s)

Lab ref	Sample ID	Depth (m)	Deviating	Tests (Reason for deviation)
21427	TP213	0.80	N	
21428	TP213	1.00	N	

SOILS

Lab Number					21401	21402	21403	21404	21405
Sample ID					TP201	TP201	TP202	TP202	TP203
Depth (m)					0.10	0.40	0.10	0.70	0.50
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	f 3.9	1.1	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	27.2	19.5	19.0	13.1	18.5
Methyl Mercury									
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	< 100	n/t	n/t

SOILS

Lab Number					21406	21407	21408	21409	21410
Sample ID					TP203	TP204	TP204	TP205	TP205
Depth (m)					0.90	0.50	1.00	0.50	0.60
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	< 0.7	< 0.7	1.1
Combustion									
Moisture Content	CE001	N	0.1	%	19.3	7.3	20.0	17.9	18.1
Methyl Mercury									
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	n/t	n/t	n/t

SOILS

Lab Number					21411	21412	21413	21414	21415
Sample ID					TP206	TP206	TP207	TP207	TP208
Depth (m)					0.50	1.30	0.40	1.00	0.40
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	1.2	0.9	2.0	< 0.7	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	20.4	18.8	17.2	24.6
Methyl Mercury									
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	n/t	n/t	n/t

SOILS

Lab Number					21416	21417	21418	21419	21420
Sample ID					TP208	TP209	TP209	TP210	TP210
Depth (m)					0.80	0.30	0.50	0.30	0.80
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	0.8	0.9	< 0.7	f 5.1	1.0
Combustion									
Moisture Content	CE001	N	0.1	%	14.1	21.0	20.0	19.7	14.9
Methyl Mercury									
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	n/t	< 100	n/t

SOILS

Lab Number					21421	21422	21423	21424	21425
Sample ID					TP211	TP211	TP212	TP212	TP212
Depth (m)					0.20	0.50	0.40	0.50	0.80
Sampling Date					01/11/2024	01/11/2024	01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units					
Metals									
Mercury	CE264	U	0.7	mg/kg	< 0.7	< 0.7	f 12.1	1.6	< 0.7
Combustion									
Moisture Content	CE001	N	0.1	%	30.2	19.0	30.3	22.6	18.1
Methyl Mercury									
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	< 100	n/t	n/t

SOILS

Lab Number					21426	21427	21428
Sample ID					TP213	TP213	TP213
Depth (m)					0.30	0.80	1.00
Sampling Date					01/11/2024	01/11/2024	01/11/2024
Test	Method	Accred	LoD	Units			
Metals							
Mercury	CE264	U	0.7	mg/kg	< 0.7	1.6	< 0.7
Combustion							
Moisture Content	CE001	N	0.1	%	11.6	17.5	21.0
Methyl Mercury							
Methyl Mercury	HYL MER	SN	100	µg/kg	n/t	n/t	n/t

METHOD DETAILS

METHOD	TESTNAME	METHOD SUMMARY	ANALYSIS BASIS
CE264	Metals by ICP in Soil	ICPOES	Air dried sample
ETHYL MERCURY	Subcon Solids	Subcontracted	As received Sample



APPENDIX J: CONTAMINATION ASSESSMENT

Determinand		>C10-C12 Aliphatic	>C10-C12 Aromatic	>C12-C16 Aliphatic	>C12-C16 Aromatic	>C16-C21 Aliphatic	>C16-C21 Aromatic	>C16-C35 Aliphatic	>C21-C35 Aliphatic	>C21-C35 Aromatic	>C35-C40 Aliphatic	>C35-C40 Aromatic	>C5-C6 Aliphatic	>C5-C7 Aromatic
	ABBR_CODE	P1410	P1357	P1411	P1358	P1412	P1359	P1938	P1413	P1360	P1414	P1361	P1407	P1441
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOD		1	1	1	1	1	1	1	1	1	1	1	0.01	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	16.8	16.2	24	4.6	7.5	< 0.01	< 0.01
TP101	1.20													
TP102	0.30	<1.0	<1.0	1.2	1.4	5.7	8.5	195	190	315	75.2	115	< 0.01	< 0.01
TP102	0.50													
TP102	1.75													
TP1003	0.05	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	17.5	17	41.2	4	13.9	< 0.01	< 0.01
TP103	0.50													
TP104	0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	19.6	19.1	29.1	6.7	12.3	< 0.01	< 0.01
TP104	0.60													
TP104	1.50													
TP105	0.30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.1	3.8	12.5	<1.0	3.3	< 0.01	< 0.01
TP105	1.20													
TP106	0.20	<1.0	<1.0	1.3	1.7	2.4	8.1	34.8	32.4	82.1	7	14	< 0.01	< 0.01
TP106	0.50													
TP106	1.30													
TP107	0.20	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	37.6	37	79.2	9.5	20.7	< 0.01	< 0.01
TP107	0.50													
TP108	0.30													
TP110	0.50	<1.0	<1.0	<1.0	<1.0	3.6	5.1	57.8	54.2	99.3	14.3	23	< 0.01	< 0.01
TP110	0.80													
TP111	0.30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.7	5.4	17.1	<1.0	3.2	< 0.01	< 0.01
End Use Scenario														
Criteria (see units)		48	364	24	169	ND	28000	ND	ND	28000	1600000	28000	304	1220
Criteria (mg/kg)		48	364	24	169	ND	28000	ND	ND	28000	1600000	28000	304	1220
Source		LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	N/A	LQM S4UL	N/A	N/A	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>>C6-C8 Aliphatic</u>	<u>>C7-C8 Aromatic</u>	<u>>C8-C10 Aliphatic</u>	<u>>C8-C10 Aromatic</u>	<u>1-1-2-2-Tetrachloroethane</u>	<u>1-2-3 - Trichlorobenzene</u>	<u>1-2-4 - Trichlorobenzene</u>	<u>1-3-dinitrobenzene</u>	<u>1-bromo-4-phenoxybenzene</u>	<u>1-chloro-4-phenoxybenzene</u>	<u>1-Chloronaphthalene</u>	<u>1-Methylnaphthalene</u>	<u>1-methylpropylbenzene</u>
	ABBR_CODE	<u>P1408</u>	<u>P1355</u>	<u>P1409</u>	<u>P1356</u>	<u>79-34-5</u>	<u>87-61-6</u>	<u>120-82-1</u>	<u>99-65-0</u>	<u>101-55-3</u>	<u>7005-72-3</u>	<u>90-13-1</u>	<u>90-12-0</u>	<u>135-98-8</u>
Units		mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg
LOD		0.01	0.01	1	1	10	10	10	0.01	0.01	0.01	0.01	0.01	10
Location	Sampling Depth (mbgl)													
TP101	0.50	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.53	< 10.0
TP101	1.20													
TP102	0.30	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.71	< 10.0
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.09	< 10.0
TP103	0.50													
TP104	0.50	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.5	< 10.0
TP104	0.60													
TP104	1.50													
TP105	0.30	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.13	< 10.0
TP105	1.20													
TP106	0.20	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.39	< 10.0
TP106	0.50													
TP106	1.30													
TP107	0.20	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.07	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.24	< 10.0
TP110	0.80													
TP111	0.30	< 0.01	< 0.01	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	0.12	< 10.0
End Use Scenario														
Criteria (see units)		144	869	78	613	270000	102000	220000	ND	ND	ND	ND	ND	ND
Criteria (mg/kg)		144	869	78	613	270	102	220	ND	ND	ND	ND	ND	ND
Source		LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	N/A	N/A	N/A	N/A	EIC	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>1,1-Dichloro-1-propene</u>	<u>1,1-Dichloroethane</u>	<u>1,1,1-Trichloroethane</u>	<u>1,1,1,2-Tetrachloroethane</u>	<u>1,1,2-Trichloroethane</u>	<u>1,1,2-Dibromo-3-chloropropane</u>	<u>1,2-dibromoethane</u>	<u>1,2-Dichlorobenzene</u>	<u>1,2-Dichloroethane</u>	<u>1,2-Dichloropropane</u>	<u>1,2-Dinitrobenzene</u>	<u>1,2,4-Trimethylbenzene</u>	<u>1,3-Dichlorobenzene</u>
	ABBR_CODE	<u>563-58-6</u>	<u>75-34-3</u>	<u>71-55-6</u>	<u>630-20-6</u>	<u>79-00-5</u>	<u>96-12-8</u>	<u>106-93-4</u>	<u>95-50-1</u>	<u>107-06-2</u>	<u>78-87-5</u>	<u>528-29-0</u>	<u>95-63-6</u>	<u>541-73-1</u>
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	ug/kg	ug/kg	mg/kg	ug/kg	mg/kg
LOD		10	10	10	10	10	10	10	0.01	10	10	0.01	10	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP101	1.20													
TP102	0.30	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP103	0.50													
TP104	0.50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP104	0.60													
TP104	1.50													
TP105	0.30	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP105	1.20													
TP106	0.20	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP106	0.50													
TP106	1.30													
TP107	0.20	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
TP110	0.80													
TP111	0.30	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 10.0
End Use Scenario														
Criteria (see units)		ND	260000	660000	110000	260000	ND	ND	570	0	ND	ND	39000	ND
Criteria (mg/kg)		ND	260	660	110	260	ND	ND	570	0	ND	ND	39	ND
Source		N/A	EIC	LQM S4UL	LQM S4UL	EIC	N/A	N/A	LQM S4UL	LQM S4UL	N/A	N/A	EIC	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>1,3-Dichloropropane</u>	<u>1,3,5-Trichlorobenzene</u>	<u>1,3,5-Trimethylbenzene</u>	<u>1,4-Dichlorobenzene</u>	<u>1,4-Dinitrobenzene</u>	<u>2-6-dinitrotoluene</u>	<u>2-Chlorophenol</u>	<u>2-Chlorotoluene</u>	<u>2-Methylnaphthalene</u>	<u>2-Methylphenol</u>	<u>2-Nitroaniline</u>	<u>2-Nitrophenol</u>	<u>2,2-Dichloropropane</u>
	ABBR_CODE	<u>142-28-9</u>	<u>108-70-3</u>	<u>108-67-8</u>	<u>106-46-7</u>	<u>100-25-4</u>	<u>606-20-2</u>	<u>95-57-8</u>	<u>95-49-8</u>	<u>91-57-6</u>	<u>95-48-7</u>	<u>88-74-4</u>	<u>88-75-5</u>	<u>594-20-7</u>
Units		ug/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg
LOD		10	0.01	10	0.01	0.01	0.01	0.01	10	0.01	0.01	0.01	0.01	10
Location	Sampling Depth (mbgl)													
TP101	0.50	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.71	0.01	< 0.01	< 0.01	< 10.0
TP101	1.20													
TP102	0.30	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.91	0.04	< 0.01	< 0.01	< 10.0
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.1	0.01	< 0.01	< 0.01	< 10.0
TP103	0.50													
TP104	0.50	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.58	0.02	< 0.01	< 0.01	< 10.0
TP104	0.60													
TP104	1.50													
TP105	0.30	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.12	< 0.01	< 0.01	< 0.01	< 10.0
TP105	1.20													
TP106	0.20	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.5	0.03	< 0.01	< 0.01	< 10.0
TP106	0.50													
TP106	1.30													
TP107	0.20	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.09	< 0.01	< 0.01	< 0.01	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.24	0.01	< 0.01	< 0.01	< 10.0
TP110	0.80													
TP111	0.30	< 10.0	< 0.01	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 10.0	0.14	< 0.01	< 0.01	< 0.01	< 10.0
End Use Scenario														
Criteria (see units)		ND	23	ND	224	ND	1800	3500	280000	ND	15000	ND	ND	ND
Criteria (mg/kg)		ND	23	ND	224	ND	1800	3500	280	ND	15000	ND	ND	ND
Source		N/A	LQM S4UL	EIC	LQM S4UL	N/A	EIC	LQM S4UL	Demeter	EIC	EIC	N/A	N/A	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>2,3,4,6-Tetrachlorophenol</u>	<u>2,3,5,6-Tetrachlorophenol</u>	<u>2,4-Dichlorophenol</u>	<u>2,4-Dimethylphenol</u>	<u>2,4,5-Trichlorophenol</u>	<u>2,4,6-Trichlorophenol</u>	<u>3 and 4-methylphenol</u>	<u>3-Chloroaniline</u>	<u>3-Nitroaniline</u>	<u>4-Chloro-3-methylphenol</u>	<u>4-Chlorotoluene</u>	<u>4-Nitroaniline</u>	<u>4-nitrophenol</u>
	ABBR_CODE	<u>58-90-2</u>	<u>935-95-5</u>	<u>120-83-2</u>	<u>105-67-9</u>	<u>95-95-4</u>	<u>88-06-2</u>	<u>P1846</u>	<u>106-47-8</u>	<u>99-09-2</u>	<u>59-50-7</u>	<u>106-43-4</u>	<u>100-01-6</u>	<u>100-02-7</u>
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	mg/kg	mg/kg
LOD		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10	0.01	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.04	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP101	1.20													
TP102	0.30	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP103	0.50													
TP104	0.50	< 0.01	< 0.01	< 0.01	0.04	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP104	0.60													
TP104	1.50													
TP105	0.30	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP105	1.20													
TP106	0.20	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	0.09	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP106	0.50													
TP106	1.30													
TP107	0.20	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP107	0.50													
TP108	0.30													
TP110	0.50	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
TP110	0.80													
TP111	0.30	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 10.0	< 0.01	< 0.01
End Use Scenario														
Criteria (see units)		3500	3500	3500	1400	3500	3500	26000	ND	ND	ND	ND	ND	ND
Criteria (mg/kg)		3500	3500	3500	1400	3500	3500	26000	ND	ND	ND	ND	ND	ND
Source		LQM S4UL	LQM S4UL	LQM S4UL	EIC	LQM S4UL	LQM S4UL	EIC	N/A	N/A	N/A	N/A	N/A	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>Acenaphthene</u>	<u>Acenaphthylene</u>	<u>Acid Soluble Sulphate (SO₄)</u>	<u>Aniline</u>	<u>Anthracene</u>	<u>Arsenic</u>	<u>Asbestos Identification</u>	<u>Azobenzene</u>	<u>Barium</u>
	ABBR_CODE	<u>83-32-9</u>	<u>208-96-8</u>	<u>P1131</u>	<u>62-53-3</u>	<u>120-12-7</u>	<u>7440-38-2</u>	<u>P1020</u>	<u>103-33-3</u>	<u>7440-39-3</u>
Units		mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	0	mg/kg	mg/kg
LOD		0.01	0.01	0.02	0.01	0.01	1	0	0.01	10
Location	Sampling Depth (mbgl)									
TP101	0.50	0.15	0.22	0.07	< 0.01	0.68	45.5	No asbestos detected	< 0.01	652
TP101	1.20									
TP102	0.30	0.81	0.14	0.12	< 0.01	1.02	39.9	No asbestos detected	< 0.01	947
TP102	0.50									
TP102	1.75									
TP1003	0.05	0.15	0.07	0.02	< 0.01	0.43	6.4	No asbestos detected	< 0.01	124
TP103	0.50									
TP104	0.50	0.15	1.31	0.09	< 0.01	1.43	36.9	No asbestos detected	< 0.01	512
TP104	0.60									
TP104	1.50									
TP105	0.30	0.03	0.02	0.03	< 0.01	0.09	11.9	No asbestos detected	< 0.01	130
TP105	1.20									
TP106	0.20	0.14	0.83	0.11	< 0.01	2.32	140	No asbestos detected	< 0.01	1610
TP106	0.50									
TP106	1.30									
TP107	0.20	0.04	0.03	0	< 0.01	0.2	34	No asbestos detected	< 0.01	420
TP107	0.50									
TP108	0.30									
TP110	0.50	0.21	0.08	0.1	< 0.01	1.2	66	No asbestos detected	< 0.01	375
TP110	0.80									
TP111	0.30	0.02	0.03	0.1	< 0.01	0.1	38	No asbestos detected	< 0.01	578
End Use Scenario										
Criteria (see units)		57	86.1	1300000	ND	520000	640	ND	ND	22000
Criteria (mg/kg)		57	86.1	1300	ND	520000	640	ND	ND	22000
Source		LQM S4UL	LQM S4UL	Demeter	N/A	LQM S4UL	LQM S4UL	N/A	N/A	EIC

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand	ABBR_CODE	<u>Benzene</u>	<u>Benzo(a)anthracene</u>	<u>Benzo(a)pyrene</u>	<u>Benzo(b)fluoranthene</u>	<u>Benzo(k)fluoranthene</u>	<u>Benzo(g,h,i)perylene</u>	<u>Benzyl Alcohol</u>	<u>Beryllium</u>	<u>Bis-2-ethylhexyladipate</u>	<u>Bis(2-chloroethoxy)methane</u>	<u>Bis(2-chloroethyl)ether</u>	<u>Bis(2-chloroisopropyl)ether</u>
		<u>71-43-2</u>	<u>56-55-3</u>	<u>50-32-8</u>	<u>205-99-2</u>	<u>207-08-9</u>	<u>191-24-2</u>	<u>100-51-6</u>	<u>7440-41-7</u>	<u>103-23-1</u>	<u>111-91-1</u>	<u>111-44-4</u>	<u>39638-32-9</u>
Units		ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOD		10	0.01	0.01	0.01	0.01	0.01	0.01	1	0.01	0.01	0.01	0.01
Location	Sampling Depth (mbgl)												
TP101	0.50	< 10.0	3	3.65	2.26	2.71	2.25	< 0.01	2	< 0.01	< 0.01	< 0.01	< 0.01
TP101	1.20												
TP102	0.30	< 10.0	3.01	4.19	2.67	2.77	2.66	< 0.01	2	< 0.01	< 0.01	< 0.01	< 0.01
TP102	0.50												
TP102	1.75												
TP1003	0.05	< 10.0	0.72	1.29	0.88	0.93	0.84	< 0.01	< 1.0	< 0.01	< 0.01	< 0.01	< 0.01
TP103	0.50												
TP104	0.50	< 10.0	6.8	10.8	6.96	8.71	6.72	< 0.01	1.7	< 0.01	< 0.01	< 0.01	< 0.01
TP104	0.60												
TP104	1.50												
TP105	0.30	< 10.0	0.47	0.67	0.46	0.52	0.45	< 0.01	< 1.0	< 0.01	< 0.01	< 0.01	< 0.01
TP105	1.20												
TP106	0.20	< 10.0	9.79	11.4	7.44	6.85	5.94	< 0.01	6.1	< 0.01	< 0.01	< 0.01	< 0.01
TP106	0.50												
TP106	1.30												
TP107	0.20	< 10.0	2.1	2.4	1.6	1.8	1.3	< 0.01	1.3	< 0.01	< 0.01	< 0.01	< 0.01
TP107	0.50												
TP108	0.30												
TP110	0.50	< 10.0	4.4	5.5	3.5	3.7	3	< 0.01	2.7	< 0.01	< 0.01	< 0.01	< 0.01
TP110	0.80												
TP111	0.30	< 10.0	0.6	1.2	0.9	0.9	1	< 0.01	2.1	< 0.01	< 0.01	< 0.01	< 0.01
End Use Scenario		Commercial											
Criteria (see units)		27000	170	35	44	1200	3900	ND	12	ND	ND	ND	ND
Criteria (mg/kg)		27	170	35	44	1200	3900	ND	12	ND	ND	ND	ND
Source		LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL	N/A	LQM S4UL	N/A	N/A	N/A	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>Bis(2-ethylhexyl)phthalate</u>	<u>Bromobenzene</u>	<u>Bromochloromethane</u>	<u>Bromodichloromethane</u>	<u>Bromoform</u>	<u>Butyl benzyl phthalate</u>	<u>Butylbenzene</u>	<u>Cadmium</u>	<u>Carbazole</u>	<u>Chlorobenzene</u>	<u>Chloroform</u>	<u>Chromium</u>	<u>Chrysene</u>
	ABBR_CODE	<u>117-81-7</u>	<u>108-86-1</u>	<u>74-97-5</u>	<u>75-27-4</u>	<u>75-25-2</u>	<u>85-68-7</u>	<u>104-51-8</u>	<u>7440-43-9</u>	<u>86-74-8</u>	<u>108-90-7</u>	<u>67-66-3</u>	<u>7440-47-3</u>	<u>218-01-9</u>
Units		mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg	ug/kg	mg/kg	mg/kg	ug/kg	ug/kg	mg/kg	mg/kg
LOD		0.01	10	10	10	10	0.01	10	0.5	0.01	10	10	5	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	0.7	0.15	< 10.0	< 10.0	25.3	3.63
TP101	1.20													
TP102	0.30	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	0.8	0.32	< 10.0	< 10.0	65.3	3.61
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	0.7	0.11	< 10.0	< 10.0	15.2	1.42
TP103	0.50													
TP104	0.50	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	0.9	1.07	< 10.0	< 10.0	28.9	10.9
TP104	0.60													
TP104	1.50													
TP105	0.30	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	< 0.5	0.02	< 10.0	< 10.0	18	0.54
TP105	1.20													
TP106	0.20	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	1.2	0.15	< 10.0	< 10.0	38.2	9.41
TP106	0.50													
TP106	1.30													
TP107	0.20	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	1.3	0	< 10.0	< 10.0	24	2.1
TP107	0.50													
TP108	0.30													
TP110	0.50	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	0.7	0.2	< 10.0	< 10.0	22	4.7
TP110	0.80													
TP111	0.30	< 0.01	< 10.0	< 10.0	< 10.0	< 10.0	< 0.01	< 10.0	1	0	< 10.0	< 10.0	25	0.7
End Use Scenario														
Criteria (see units)		ND	92000	ND	2000	710000	94000	ND	190	ND	56000	99000	8600	350
Criteria (mg/kg)		ND	92	ND	2	710	94000	ND	190	ND	56	99	8600	350
Source		N/A	EIC	N/A	EIC	EIC	EIC	EIC	LQM S4UL	EIC	LQM S4UL	LQM S4UL	LQM S4UL	LQM S4UL

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Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>cis-1,2-dichloroethene</u>	<u>cis-1,3-Dichloro-1-propene</u>	<u>Complex Cyanide</u>	<u>Copper</u>	<u>Dibenzo(a,h)anthracene</u>	<u>Dibenzofuran</u>	<u>Dibromochloromethane</u>	<u>Dibromomethane</u>	<u>Dibutyl phthalate</u>	<u>Diethyl phthalate</u>	<u>Diisooctyl phthalate</u>	<u>Dimethyl phthalate</u>	<u>Dinitro-o-cresol</u>
	ABBR_CODE	<u>156-59-2</u>	<u>10061-01-5</u>	<u>P1239</u>	<u>7440-50-8</u>	<u>53-70-3</u>	<u>132-64-9</u>	<u>124-48-1</u>	<u>74-95-3</u>	<u>84-74-2</u>	<u>84-66-2</u>	<u>131-20-4</u>	<u>131-11-3</u>	<u>534-52-1</u>
Units		ug/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOD		10	10	1	5	0.01	0.01	10	10	0.01	0.01	0.01	0.01	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	< 10.0	< 10.0	< 1.0	164	0.5	0.24	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP101	1.20													
TP102	0.30	< 10.0	< 10.0	< 1.0	250	0.55	0.49	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 10.0	< 10.0	< 1.0	33.2	0.22	0.13	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP103	0.50													
TP104	0.50	< 10.0	< 10.0	< 1.0	216	1.93	0.8	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP104	0.60													
TP104	1.50													
TP105	0.30	< 10.0	< 10.0	< 1.0	30.2	0.13	0.05	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP105	1.20													
TP106	0.20	< 10.0	< 10.0	1	371	1.47	0.25	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP106	0.50													
TP106	1.30													
TP107	0.20	< 10.0	< 10.0	< 1.0	141	0.3	0	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP107	0.50													
TP108	0.30													
TP110	0.50	< 10.0	< 10.0	< 1.0	150	0.9	0.2	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TP110	0.80													
TP111	0.30	< 10.0	< 10.0	< 1.0	311	0.3	0.1	< 10.0	< 10.0	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
End Use Scenario														
Criteria (see units)		14000	ND	1300	68000	3.5	ND	4700	ND	ND	13	ND	ND	ND
Criteria (mg/kg)		14	ND	1300	68000	3.5	ND	4.7	ND	ND	13	ND	ND	ND
Source		EIC	N/A	Demeter	LQM S4UL	LQM S4UL	N/A	Demeter	N/A	N/A	EIC	N/A	N/A	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>Diphenylamine</u>	<u>Elemental Sulphur</u>	<u>Ethylbenzene</u>	<u>Fluoranthene</u>	<u>Fluorene</u>	<u>Free Cyanide</u>	<u>Heptane</u>	<u>Hexachlorobenzene</u>	<u>Hexachlorobutadiene</u>	<u>Hexachlorocyclopentadiene</u>	<u>Hexachloroethane</u>	<u>Hexavalent Chromium</u>	<u>Indeno(1,2,3-cd)pyrene</u>
	ABBR_CODE	<u>122-39-4</u>	<u>7704-34-9</u>	<u>100-41-4</u>	<u>206-44-0</u>	<u>86-73-7</u>	<u>P1095</u>	<u>142-82-5</u>	<u>118-74-1</u>	<u>87-68-3</u>	<u>77-47-4</u>	<u>67-72-1</u>	<u>18540-29-9</u>	<u>193-39-5</u>
Units		mg/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	ug/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOD		0.01	20	10	0.01	0.01	1	10	0.01	10	0.01	0.01	0.8	0.01
Location	Sampling Depth (mbgl)													
TP101	0.50	0.02	64	< 10.0	7.32	0.17	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	1.81
TP101	1.20													
TP102	0.30	0.03	47	< 10.0	6.94	0.42	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	1.97
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 0.01	< 20	< 10.0	2.85	0.14	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	0.6
TP103	0.50													
TP104	0.50	0.02	90	< 10.0	26.3	0.88	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	5.63
TP104	0.60													
TP104	1.50													
TP105	0.30	0.01	< 20	< 10.0	0.89	0.03	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	0.34
TP105	1.20													
TP106	0.20	0.06	< 20	< 10.0	20.9	0.3	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	4.89
TP106	0.50													
TP106	1.30													
TP107	0.20	< 0.01	< 20	< 10.0	3.7	0	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	1.1
TP107	0.50													
TP108	0.30													
TP110	0.50	0	61	< 10.0	9.3	0.2	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	2.5
TP110	0.80													
TP111	0.30	< 0.01	128	< 10.0	1	0	< 1.0	< 10.0	< 0.01	< 10.0	< 0.01	< 0.01	< 0.8	0.7
End Use Scenario														
Criteria (see units)		ND	ND	518000	23000	30.9	120	ND	0.2	31000	ND	8.2	33	500
Criteria (mg/kg)		ND	ND	518	23000	30.9	120	ND	0.2	31	ND	8.2	33	500
Source		N/A	N/A	LQM S4UL	LQM S4UL	LQM S4UL	Demeter	N/A	LQM S4UL	LQM S4UL	N/A	EIC	LQM S4UL	LQM S4UL

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>Isophorone</u>	<u>Lead</u>	<u>m+p-xylene</u>	<u>Material removed</u>	<u>Mercury</u>	<u>Methylethylbenzene</u>	<u>Molybdenum</u>	<u>MTBE</u>	<u>N-Nitrosodi-n-propylamine</u>	<u>Naphthalene</u>	<u>Nickel</u>	<u>Nitrobenzene</u>	<u>Nonane</u>
	ABBR_CODE	<u>78-59-1</u>	<u>7439-92-1</u>	<u>P1374</u>	<u>P2009</u>	<u>7439-97-6</u>	<u>98-82-8</u>	<u>7439-98-7</u>	<u>1634-04-4</u>	<u>621-64-7</u>	<u>91-20-3</u>	<u>7440-02-0</u>	<u>98-95-3</u>	<u>111-84-2</u>
Units		mg/kg	mg/kg	ug/kg	%	mg/kg	ug/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg
LOD		0.01	5	10	0.1	0.5	10	0.5	10	0.01	0.01	5	0.01	10
Location	Sampling Depth (mbgl)													
TP101	0.50	< 0.01	1300	< 10.0	< 0.1	2.3	< 10.0	6.9	< 10.0	< 0.01	< 10.0	37.1	< 0.01	< 10.0
TP101	1.20													
TP102	0.30	< 0.01	1370	< 10.0	7.7	1	< 10.0	8.1	< 10.0	< 0.01	< 10.0	43.9	< 0.01	< 10.0
TP102	0.50				9									
TP102	1.75													
TP1003	0.05	< 0.01	297	< 10.0	< 0.1	< 0.5	< 10.0	1.6	< 10.0	< 0.01	< 10.0	11.3	< 0.01	< 10.0
TP103	0.50													
TP104	0.50	< 0.01	1590	< 10.0	6.7	1.9	< 10.0	8.5	< 10.0	< 0.01	< 10.0	35.5	< 0.01	< 10.0
TP104	0.60				< 0.1									
TP104	1.50													
TP105	0.30	< 0.01	159	< 10.0	< 0.1	< 0.5	< 10.0	1.7	< 10.0	< 0.01	< 10.0	22.6	< 0.01	< 10.0
TP105	1.20													
TP106	0.20	< 0.01	3630	< 10.0	4.6	16.6	< 10.0	20.5	< 10.0	< 0.01	< 10.0	96.5	< 0.01	< 10.0
TP106	0.50				8.1									
TP106	1.30													
TP107	0.20	< 0.01	602	< 10.0	9.4	1.4	< 10.0	3.9	< 10.0	< 0.01	< 10.0	34	< 0.01	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 0.01	672	< 10.0	8	0.8	< 10.0	10	< 10.0	< 0.01	< 10.0	56	< 0.01	< 10.0
TP110	0.80													
TP111	0.30	< 0.01	1130	< 10.0	18	0.8	< 10.0	9.1	< 10.0	< 0.01	< 10.0	50	< 0.01	< 10.0
End Use Scenario														
Criteria (see units)		ND	2300	576000	ND	25.8	ND	17000	22000000	ND	76.4	980	ND	ND
Criteria (mg/kg)		ND	2300	576	ND	25.8	ND	17000	22000	ND	76.4	980	ND	ND
Source		N/A	C4SL	LQM S4UL based on	N/A	LQM S4UL	N/A	EIC	EIC	N/A	LQM S4UL	LQM S4UL	N/A	N/A

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>o-xylene</u>	<u>Octane</u>	<u>p-cymene</u>	<u>Pentachlorophenol</u>	<u>pH</u>	<u>Phenanthrene</u>	<u>Phenol</u>	<u>Propylbenzene</u>	<u>Pyrene</u>	<u>Selenium</u>	<u>Soil Organic Matter</u>	<u>Styrene</u>	<u>t-butylbenzene</u>
	ABBR_CODE	<u>95-47-6</u>	<u>111-65-9</u>	<u>99-87-6</u>	<u>87-86-5</u>	<u>P1334</u>	<u>85-01-8</u>	<u>108-95-2</u>	<u>103-65-1</u>	<u>129-00-0</u>	<u>7782-49-2</u>	<u>P1313</u>	<u>100-42-5</u>	<u>98-06-6</u>
Units		ug/kg	ug/kg	ug/kg	mg/kg	pH units	mg/kg	mg/kg	ug/kg	mg/kg	mg/kg	%	ug/kg	ug/kg
LOD		10	10	10	0.01	0.1	0.01	0.01	10	0.01	1	0.1	10	10
Location	Sampling Depth (mbgl)													
TP101	0.50	< 10.0	< 10.0	< 10.0	< 0.01	7.6	2.48	0.03	< 10.0	6.81	< 1.0	5	< 10.0	< 10.0
TP101	1.20													
TP102	0.30	< 10.0	< 10.0	< 10.0	< 0.01	8.2	4.15	0.04	< 10.0	6.71	< 1.0	3.4	< 10.0	< 10.0
TP102	0.50													
TP102	1.75													
TP1003	0.05	< 10.0	< 10.0	< 10.0	< 0.01	8.3	2.16	0.02	< 10.0	3.12	< 1.0	2.5	< 10.0	< 10.0
TP103	0.50													
TP104	0.50	< 10.0	< 10.0	< 10.0	< 0.01	7.8	18	0.07	< 10.0	21.9	< 1.0	4.5	< 10.0	< 10.0
TP104	0.60													
TP104	1.50													
TP105	0.30	< 10.0	< 10.0	< 10.0	< 0.01	8.1	0.31	< 0.01	< 10.0	0.82	< 1.0	1.9	< 10.0	< 10.0
TP105	1.20													
TP106	0.20	< 10.0	< 10.0	< 10.0	< 0.01	7.6	3.26	0.07	< 10.0	20.1	< 1.0	6.2	< 10.0	< 10.0
TP106	0.50													
TP106	1.30													
TP107	0.20	< 10.0	< 10.0	< 10.0	< 0.01	8	0.6	< 0.01	< 10.0	3.4	< 1.0	3.6	< 10.0	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 10.0	< 10.0	< 10.0	< 0.01	7.9	3	0	< 10.0	8.2	< 1.0	5	< 10.0	< 10.0
TP110	0.80													
TP111	0.30	< 10.0	< 10.0	< 10.0	< 0.01	8	0.3	< 0.01	< 10.0	1	< 1.0	2.8	< 10.0	< 10.0
End Use Scenario														
Criteria (see units)		478000	ND	ND	400	ND	22000	31000	ND	54000	12000	ND	63000	ND
Criteria (mg/kg)		478	ND	ND	400	ND	22000	31000	ND	54000	12000	ND	63	ND
Source		LQM S4UL	N/A	N/A	LQM S4UL	N/A	LQM S4UL	LQM S4UL	N/A	LQM S4UL	LQM S4UL	N/A	EIC	N/A

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Determinand		<u>Tetrachloroethylene</u>	<u>Tetrachloromethane</u>	<u>Thallium</u>	<u>Toluene</u>	<u>Total (>C5-C40) Ali/Aro</u>	<u>Total (>C5-C40) Aliphatic</u>	<u>Total (>C5-C40) Aromatic</u>	<u>Total Cyanide</u>	<u>Total Organic Carbon</u>	<u>Total Sulphide</u>	<u>Trans - 1-2 -dichloroethylene</u>	<u>trans-1,3-Dichloro-1-propene</u>	<u>Trichloroethylene</u>
	ABBR_CODE	<u>127-18-4</u>	<u>56-23-5</u>	<u>7440-28-0</u>	<u>108-88-3</u>	<u>P1372</u>	<u>P1419</u>	<u>P2077</u>	<u>57-12-5</u>	<u>P1340</u>	<u>18496-25-8</u>	<u>156-60-5</u>	<u>10061-02-6</u>	<u>79-01-6</u>
Units		ug/kg	ug/kg	mg/kg	ug/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	ug/kg	ug/kg	ug/kg
LOD		10	10	0.5	10	1	1	1	1	0.01	0	10	10	10
Location	Sampling Depth (mbgl)													
TP101	0.50	< 10.0	< 10.0	< 0.5	< 10.0	52.3	20.8	31.5	< 1.0	11	< 2	< 10.0	< 10.0	< 10.0
TP101	1.20													
TP102	0.30	< 10.0	< 10.0	< 0.5	< 10.0	711	272	440	< 1.0	9.9	< 2	< 10.0	< 10.0	< 10.0
TP102	0.50									13				
TP102	1.75													
TP1003	0.05	< 10.0	< 10.0	< 0.5	< 10.0	76.1	21	55.1	< 1.0	1.1	< 2	< 10.0	< 10.0	< 10.0
TP103	0.50													
TP104	0.50	< 10.0	< 10.0	< 0.5	< 10.0	67.2	25.9	41.4	< 1.0	12	< 2	< 10.0	< 10.0	< 10.0
TP104	0.60									11				
TP104	1.50													
TP105	0.30	< 10.0	< 10.0	< 0.5	< 10.0	19.6	3.8	15.8	< 1.0	3	< 2	< 10.0	< 10.0	< 10.0
TP105	1.20													
TP106	0.20	< 10.0	< 10.0	0.6	< 10.0	149	43.1	106	1	20	< 2	< 10.0	< 10.0	< 10.0
TP106	0.50									23				
TP106	1.30													
TP107	0.20	< 10.0	< 10.0	< 0.5	< 10.0	148	47	102	< 1.0	2.2	< 2	< 10.0	< 10.0	< 10.0
TP107	0.50													
TP108	0.30													
TP110	0.50	< 10.0	< 10.0	< 0.5	< 10.0	200	72	128	< 1.0	17	< 2	< 10.0	< 10.0	< 10.0
TP110	0.80													
TP111	0.30	< 10.0	< 10.0	< 0.5	< 10.0	26	5.4	20	< 1.0	4.3	< 2	< 10.0	< 10.0	< 10.0
End Use Scenario														
Criteria (see units)		0	2900	130	869000	ND	ND	ND	ND	ND	ND	ND	ND	1200
Criteria (mg/kg)		0	2.9	130	869	ND	ND	ND	ND	ND	ND	ND	ND	1.2
Source		LQM S4UL	LQM S4UL	Demeter	LQM S4UL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LQM S4UL

Prepared by: Paul Hadjikyriacou MPhil MPhil MRes (Contaminated Land Management) MInstP

Checked By: Despo Hadjikyriacou BSc(Hons) BEng(Hons) MInstP

Determinand		<u>Vanadium</u>	<u>Water Soluble Boron</u>	<u>Water Soluble Nitrate</u>	<u>Water Soluble Sulphate</u>	<u>Xylenes</u>	<u>Zinc</u>	
	ABBR_CODE	<u>7440-62-2</u>	<u>7440-42-8</u>	<u>84145-82-4</u>	<u>14808-79-8</u>	<u>P1092</u>	<u>7440-66-6</u>	
Units		mg/kg	mg/kg	mg/kg	g/l	ug/kg	mg/kg	
LOD		5	0.5	40	0.02	10	5	
Location	Sampling Depth (mbgl)							
TP101	0.50	43.7	2.2	< 40	0.05	< 10.0	318	
TP101	1.20							
TP102	0.30	53	0.9	< 40	0.04	< 10.0	390	
TP102	0.50							
TP102	1.75							
TP1003	0.05	14	0.9	< 40	< 0.02	< 10.0	151	
TP103	0.50							
TP104	0.50	48.4	0.6	< 40	0.03	< 10.0	563	
TP104	0.60							
TP104	1.50							
TP105	0.30	22	<0.5	< 40	0.05	< 10.0	75.6	
TP105	1.20							
TP106	0.20	113	0.8	< 40	0.02	< 10.0	873	
TP106	0.50							
TP106	1.30							
TP107	0.20	30	0.9	< 40	< 0.02	< 10.0	413	
TP107	0.50							
TP108	0.30							
TP110	0.50	52	0.5	< 40	0.05	< 10.0	569	
TP110	0.80							
TP111	0.30	48	< 0.5	< 40	< 0.02	< 10.0	329	
End Use Scenario								
Criteria (see units)		9000	240000	ND	ND	576000	730000	
Criteria (mg/kg)		9000	240000	ND	ND	576	730000	
Source		LQM S4UL	LQM S4UL	N/A	N/A	LQM S4UL based on	LQM S4UL	

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	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	Selected Options											
4	of Computation		ProUCL 5.103/10/2025 10:06:05									
5	From File		WorkSheet.xls									
6	Full Precision		OFF									
7	ence Coefficient		95%									
8	trap Operations		2000									
9												
10												
11	CO											
12												
13	General Statistics											
14	Total Number of Observations		9		Number of Distinct Observations		9					
15					Number of Missing Observations		12					
16	Minimum		159		Mean		1194					
17	Maximum		3630		Median		1130					
18	SD		1039		Std. Error of Mean		346.3					
19	Coefficient of Variation		0.87		Skewness		1.767					
20												
21	Sample size is small (e.g., <10), if data are collected using ISM approach, we provided in ITRC Tech Reg Guide on ISM (ITRC, 2012) to compute sta											
22	For example, you may want to use Chebyshev UCL to estimate EPC (ITRC											
23	Chehev UCL can be computed using the Nonparametric and All UCL Option											
24												
25												
26	Normal GOF Test											
27	Shapiro Wilk Test Statistic		0.828		Shapiro Wilk GOF Test							
28	% Shapiro Wilk Critical Value		0.829		Data Not Normal at 5% Significance Level							
29	Lilliefors Test Statistic		0.241		Lilliefors GOF Test							
30	5% Lilliefors Critical Value		0.274		Data appear Normal at 5% Significance Level							
31	Data appear Approximate Normal at 5% Significance Level											
32												
33	Assuming Normal Distribution											
34	95% Normal UCL				95% UCLs (Adjusted for Skewness)							
35	95% Student's-t UCL		1838		Adjusted CLT UCL (Chen-1995)		1982					
36					Modified-t UCL (Johnson-1978)		1872					
37												
38	Gamma GOF Test											
39	A-D Test Statistic		0.23		Anderson-Darling Gamma GOF Test							
40	5% A-D Critical Value		0.733		Data appear Gamma Distributed at 5% Significance Level							
41	K-S Test Statistic		0.15		Kolmogorov-Smirnov Gamma GOF Test							
42	5% K-S Critical Value		0.284		Data appear Gamma Distributed at 5% Significance Level							
43	Detected data appear Gamma Distributed at 5% Significance Level											
44												
45	Gamma Statistics											
46	k hat (MLE)		1.596		k star (bias corrected MLE)		1.138					
47	Theta hat (MLE)		748.5		Data star (bias corrected MLE)		1050					
48	nu hat (MLE)		28.72		nu star (bias corrected)		20.48					
49	MLE Mean (bias corrected)		1194		MLE Sd (bias corrected)		1120					
50					Finite Chi Square Value (0.05)		11.21					
51	Adjusted Level of Significance		0.0231		Adjusted Chi Square Value		9.792					
52												
53	Assuming Gamma Distribution											
54	Gamma UCL (use when n>=50)				2183		Gamma UCL (use when n<50)		2498			
55												
56	Lognormal GOF Test											
57	Shapiro Wilk Test Statistic		0.963		Shapiro Wilk Lognormal GOF Test							
58	% Shapiro Wilk Critical Value		0.829		Data appear Lognormal at 5% Significance Level							
59	Lilliefors Test Statistic		0.176		Lilliefors Lognormal GOF Test							
60	5% Lilliefors Critical Value		0.274		Data appear Lognormal at 5% Significance Level							
61	Data appear Lognormal at 5% Significance Level											
62												
63	Lognormal Statistics											
64	Minimum of Logged Data		5.069		Mean of logged Data		6.74					
65	Maximum of Logged Data		8.197		SD of logged Data		0.941					
66												
67	Assuming Lognormal Distribution											
68	95% H-UCL		3702		9% Chebyshev (MVUE) UCL		2438					
69	5% Chebyshev (MVUE) UCL		2983		5% Chebyshev (MVUE) UCL		3738					
70	9% Chebyshev (MVUE) UCL		5223									
71												
72	Nonparametric Distribution Free UCL Statistics											
73	Data appear to follow a Discernible Distribution at 5% Significance Level											
74												
75	Nonparametric Distribution Free UCLs											
76	95% CLT UCL		1764		95% Jackknife UCL		1838					
77	95% Standard Bootstrap UCL		1727		95% Bootstrap-t UCL		2212					
78	95% Hall's Bootstrap UCL		4341		5% Percentile Bootstrap UCL		1784					
79	95% BCA Bootstrap UCL		1935									
80	Chebyshev (Mean, Sd) UCL		2233		Chebyshev (Mean, Sd) UCL		2704					
81	Chebyshev (Mean, Sd) UCL		3357		Chebyshev (Mean, Sd) UCL		4640					
82												
83	Suggested UCL to Use											
84	95% Student's-t UCL		1838									
85												
86	If a data set follows an approximate (e.g., normal) distribution passing one of the GOF tests, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests.											
87												
88	Regarding the selection of a 95% UCL are provided to help the user to select the most appropriate UCL.											
89	Recommendations are based upon data size, data distribution, and skewness.											
90												
91	Conclusions are based upon the results of the simulation studies summarized in Singh, Mani, and Singh (2012). The results of the simulation studies are summarized in Singh, Mani, and Singh (2012).											
92	The results of the simulation studies are summarized in Singh, Mani, and Singh (2012). The results of the simulation studies are summarized in Singh, Mani, and Singh (2012).											
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