



Retford Circular Economy Project Environmental Statement Addendum – Volume 3 Technical Appendices



Technical Appendix 10.4: PFA Testing
Details and Results

January 2024

Project No.: 0695864



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SLR Consulting Limited

Lound Hive Ltd

Retford Circular Economy Project (RCEP)

SLR Project No.: 425.064852.00001

20 December 2023

Revision: 02

Technical Note: PFA Laboratory Analysis Results

This Technical Note provides a factual summary of the laboratory analysis results obtained for samples of Pulverised Fuel Ash (PFA) collected from the former ash lagoons as part of the Retford Circular Economy Project (RCEP).

1.0 Introduction

A ground investigation was completed at the Site in May to June 2021. The scope of work comprised:

- drilling of 23 boreholes using a sonic method (BH1 to BH17, BH20, BH22, BH23, BH25 to BH27) to a maximum depth of 18m bgl (depth determined by underlying Chester Formation) and excavation of 4 trial pits (BH18, BH19, BH21, BH24) to a maximum depth of 4.5m bgl (also determined by the depth to the underlying Chester Formation);
- collection of PFA samples for testing; and
- logging of the PFA, soil and bedrock strata in general accordance with BS5930:2015.

The location of each exploratory hole position is provided as Drawing 01. Exploratory hole logs are provided in Appendix A.

2.0 Ground Conditions

The ground conditions encountered were largely consistent across the Site, with similar PFA and underlying geology observed. Significant variation was noted in the thickness of the PFA deposits, particularly between the 'High Rise' in the centre and west (13.4m average thickness) and the 'Low Rise' in the east (3.6m average thickness). Borehole locations and PFA thickness are shown on Drawing 02. A series of select photographs are provided in Appendix B which provide a visual representation of the nature of the ground encountered.

2.1 Topsoil/Surface Cover

Topsoil was encountered in all the boreholes drilled. This was generally a brown sandy silt with some fine to medium quartzite gravel, used as a restoration cover/backfill over the top of the PFA. It averaged ~0.3m thickness across most of the Site.

The material is consistent with site-won natural materials previously used to construct the lagoon bunds. The landowner has anecdotally confirmed that site-won materials were used to provide the topsoil/surface cover.

2.2 PFA

The PFA was observed beneath the entirety of the site. Generally, this was encountered as a soft to firm dark grey slightly sandy silt with occasional dark grey fine sand laminations. The deposit had no observable vertical or lateral variability and was found to be relatively uniform. The visual assessment has been confirmed by the contaminant analysis of the PFA (see Section 7.0). The PFA ranged in thickness from 0.05m (BH21) to 15.9m (BH5). With an average thickness of 3.6m in the 'Low Rise' and an average of 13.4m in the 'High Rise'.

2.3 Sandstone

In-situ bedrock of the Chester Formation was observed from depths of between 2.45m bgl to 16.1m bgl. The bedrock was observed at shallower depths towards the east of the Site where the PFA thickness decreases significantly.

BH2, BH8 & BH14 were terminated within the side slope of the sandstone bunds.

3.0 Groundwater

Groundwater was encountered beneath the entire Site during drilling, typically 8-10m bgl in the 'high rise' and 2-3m bgl in the 'low rise' areas.

4.0 Contamination Observations

During the course of the investigation and the logging of the exploratory hole arisings, no visual or olfactory indications of contamination by hydrocarbons, other chemicals or asbestos were recorded.

5.0 Field Sample Collection

Samples of PFA were collected at an approx. vertical sample interval of every ~1.5m. Samples were collected and stored at an off-site location.

6.0 Sample Scheduling

PFA samples were collected from each exploratory hole location for a suite of chemical and asbestos laboratory analysis. The samples were selected from each location to provide both lateral and vertical delineation of the PFA. A non-targeted approach was undertaken given the absence of any visual or olfactory indications of contamination recorded during the intrusive works.



The PFA was scheduled for a suite of analysis that comprised:

- asbestos identification and quantification;
- metals¹;
- poly-aromatic hydrocarbons (PAH)²; and
- Semi-volatile organic compounds (SVOC).

PFA samples were also scheduled for leachate analysis that comprised:

- metals¹;
- poly-aromatic hydrocarbons (PAH)²; and
- Semi-volatile organic compounds (SVOC).

The table below shows the number of samples scheduled for each analysis. The full sample schedule is provided in Appendix C.

Table 1: PFA Contaminant Analysis Schedule

Laboratory Analysis	No. PFA samples
PFA Solid Matrix	
Asbestos	96
Metals	62
PAH	62
SVOC	62
PFA Leachate	
Metals	25
PAH	25
SVOC	25

The samples were submitted to Element Materials Technology Ltd for analysis, a UKAS and MCERTS accredited laboratory.

7.0 Sample Analysis Results

The results of the laboratory analysis are summarised in the sections below. The laboratory analytical report certificates are provided in Appendix D.

¹ Metals suite - antimony, arsenic, barium, boron, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, selenium, strontium, titanium, vanadium, zinc

² PAH suite - acenaphthene, acenaphthylene, anthracene, fluoranthene, fluorene, naphthalene, phenanthrene, pyrene, benz[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[ghi]perylene, benzo[a]pyrene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene



7.1 PFA solid analysis

Asbestos

- 95 no. PFA samples – no asbestos detected (NAD)
- 1no. PFA sample – BH8, 3m-4.5m depth; small fibre bundle <10mm; chrysotile asbestos <0.001% wt/wt.

Metals

PFA Solid Analysis				
Metal	Minimum (mg/kg)	Minimum (%)	Maximum (mg/kg)	Maximum (%)
Antimony	2	0.0002	10	0.001
Arsenic	11.7	0.00117	232.9	0.02329
Barium	94	0.0094	980	0.098
Boron	1.2	0.00012	119.1	0.01191
Cadmium	<0.1	<0.00001	1.4	0.00014
Chromium	58.2	0.00582	120.4	0.01204
Cobalt	4.9	0.00049	29.2	0.00292
Copper	31	0.0031	155	0.0155
Iron	18900	1.890	112000	11.2
Lead	14	0.0014	117	0.0117
Magnesium	2054	0.2054	8797	0.8797
Manganese	137	0.0137	1149	0.1149
Mercury	<0.1	<0.00001	0.7	0.00007
Molybdenum	4.9	0.00049	12.8	0.00128
Nickel	37.1	0.00371	101.2	0.01012
Selenium	2	0.0002	10	0.001
Strontium	62	0.0062	457	0.0457
Titanium	376	0.0376	1385	0.1385
Vanadium	22	0.0022	280	0.028
Zinc	36	0.0036	239	0.0239

Note: data shown as both concentration (mg/kg) and percentage (%) values
< indicates that the compound is not present above the laboratory limit of detection (LOD)



Poly-aromatic Hydrocarbons (PAH)

- None of the 62 no. samples contained PAH compounds above the laboratory limit of detection (LOD).

Semi-Volatile Organic Compounds (SVOC)

- None of the 62 no. samples contained SVOC compounds above the laboratory limit of detection (LOD).

7.2 PFA leachate analysis

Metals

PFA Leachate Analysis				Groundwater Analysis		
Metal	No. Samples	Minimum (mg/l)	Maximum (mg/l)	No. Samples	Minimum (mg/l)	Maximum (mg/l)
Antimony	25	<0.002	0.03	33	<0.02	0.036
Arsenic	25	0.016	0.635	63	<0.0009	0.411
Barium	25	0.022	0.118	NA	-	-
Boron	25	0.035	2.589	63	<0.012	19
Cadmium	25	<0.0005	<0.0005	63	<0.00003	0.00086
Chromium	25	<0.0015	0.054	63	<0.0002	0.05
Cobalt	25	<0.002	<0.002	33	<0.0001	0.0013
Copper	25	<0.007	0.007	63	<0.003	0.005
Iron	25	<0.02	0.04	63	<0.0047	0.2
Lead	25	<0.005	<0.005	63	<0.0004	<0.005
Magnesium	25	<0.1	6.6	32	<0.1	86
Manganese	25	<0.002	<0.002	63	<0.0015	0.3638
Mercury	25	<0.001	<0.001	63	<0.0005	0.039
Molybdenum	25	0.003	0.252	32	0.45	1.8
Nickel	25	<0.002	0.002	61	<0.0002	0.99
Selenium	25	0.012	0.083	42	0.0058	0.94
Strontium	25	0.034	0.548	NA	-	-
Titanium	25	0.034	0.617	NA	-	-
Vanadium	25	<0.005	<0.005	33	<0.0006	0.35
Zinc	25	<0.005	<0.005	63	<0.0015	0.021

Note: groundwater analysis from boreholes BH03, BH11 and BH23 provided for comparison
NA indicates no analysis undertaken for that compound



Poly-aromatic Hydrocarbons (PAH)

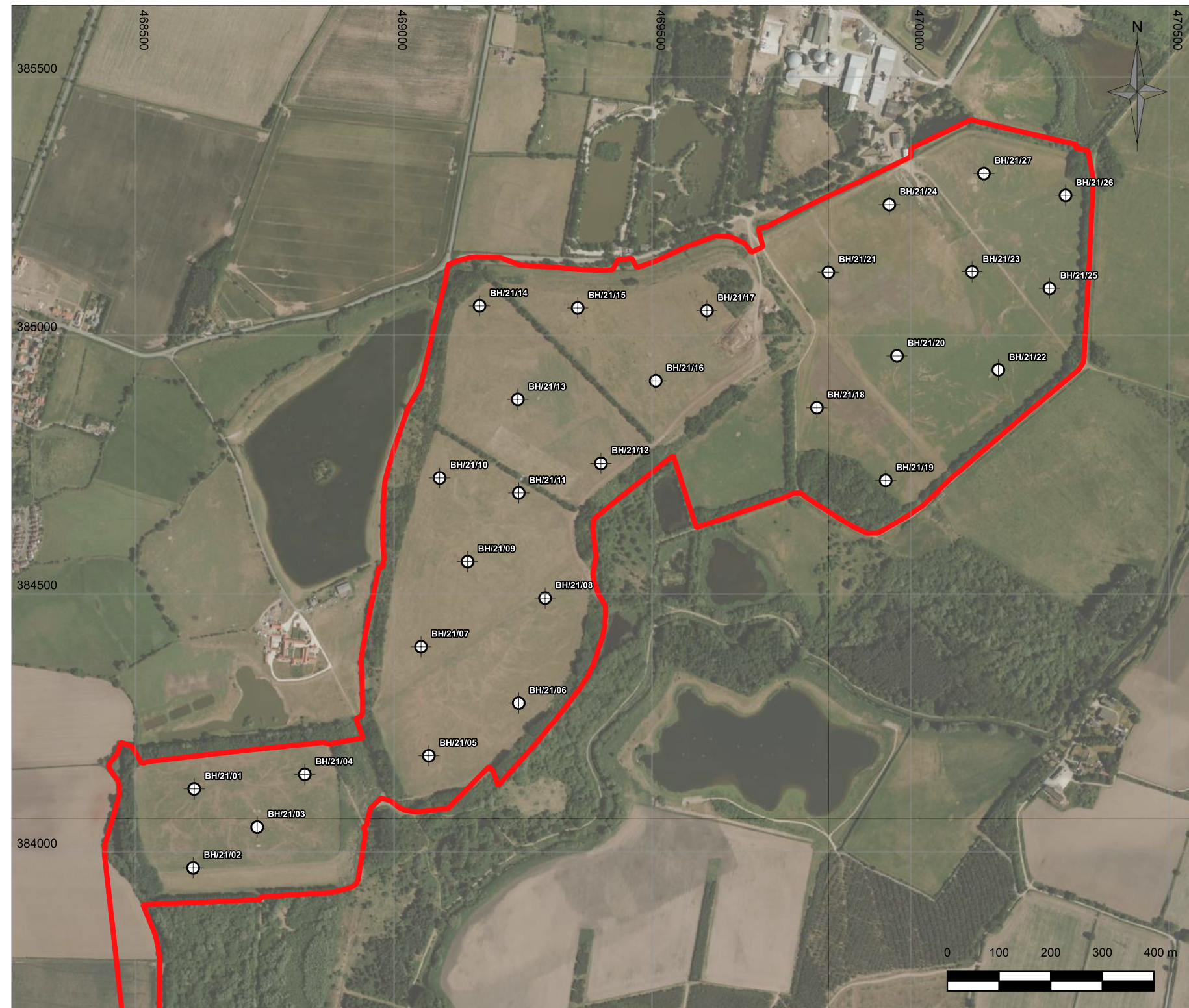
- None of the 25 no. leachate samples contained PAH compounds above the laboratory limit of detection (LOD).

Semi-Volatile Organic Compounds (SVOC)

- None of the 25 no. leachate samples contained SVOC compounds above the laboratory limit of detection (LOD).



Drawings



Notes:

Legend:

- 2021 Borehole Locations
- Application Site

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Rev	Amendments	Date	By	Chk	Auth



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Client
Lound Hive Ltd

Project
Retford Circular Economy Project

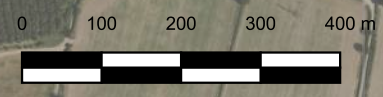
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2021 Borehole Locations

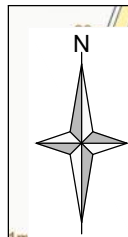
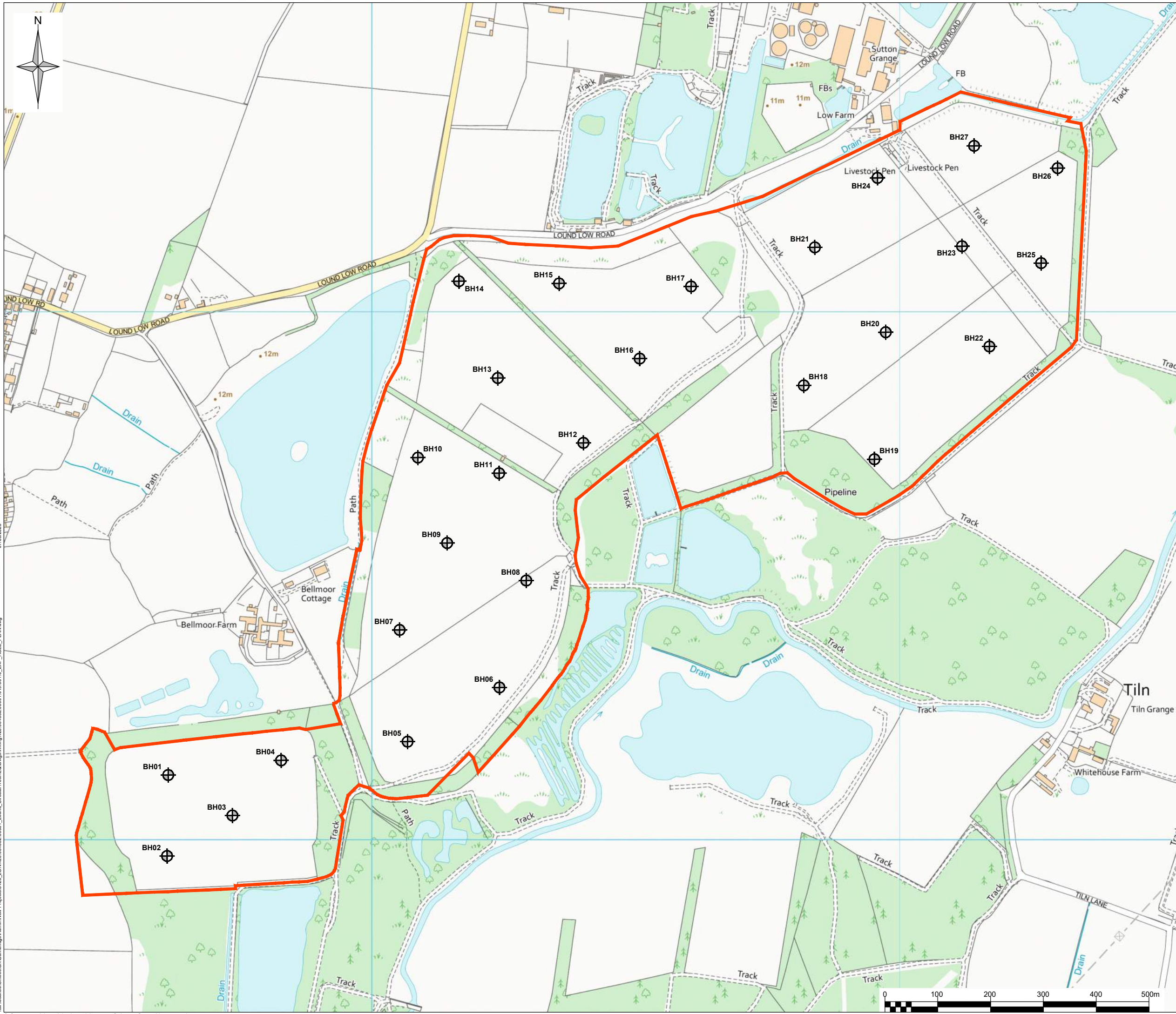
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SLR Project No. 416.11943.00001

Designed	Drawn	Checked	Authorised
GW	GW	BM	BM

Date	Date	Date	Date
DEC 2023	DEC 2023	DEC 2023	DEC 2023

Drawing Number 01 Rev: 0





Legend:

- APPROXIMATE SITE BOUNDARY
- BOREHOLE LOCATION

Rev	Amendments	Date	By	Chk	Auth



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Client
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Project
**RETFORD CIRCULAR ECONOMY PROJECT
PFA CONTAMINANT TESTING**

Figure Title
EXPLORATORY HOLE PLAN

Scale
NTS @ A3 SLR Project No.
425.064852.00001

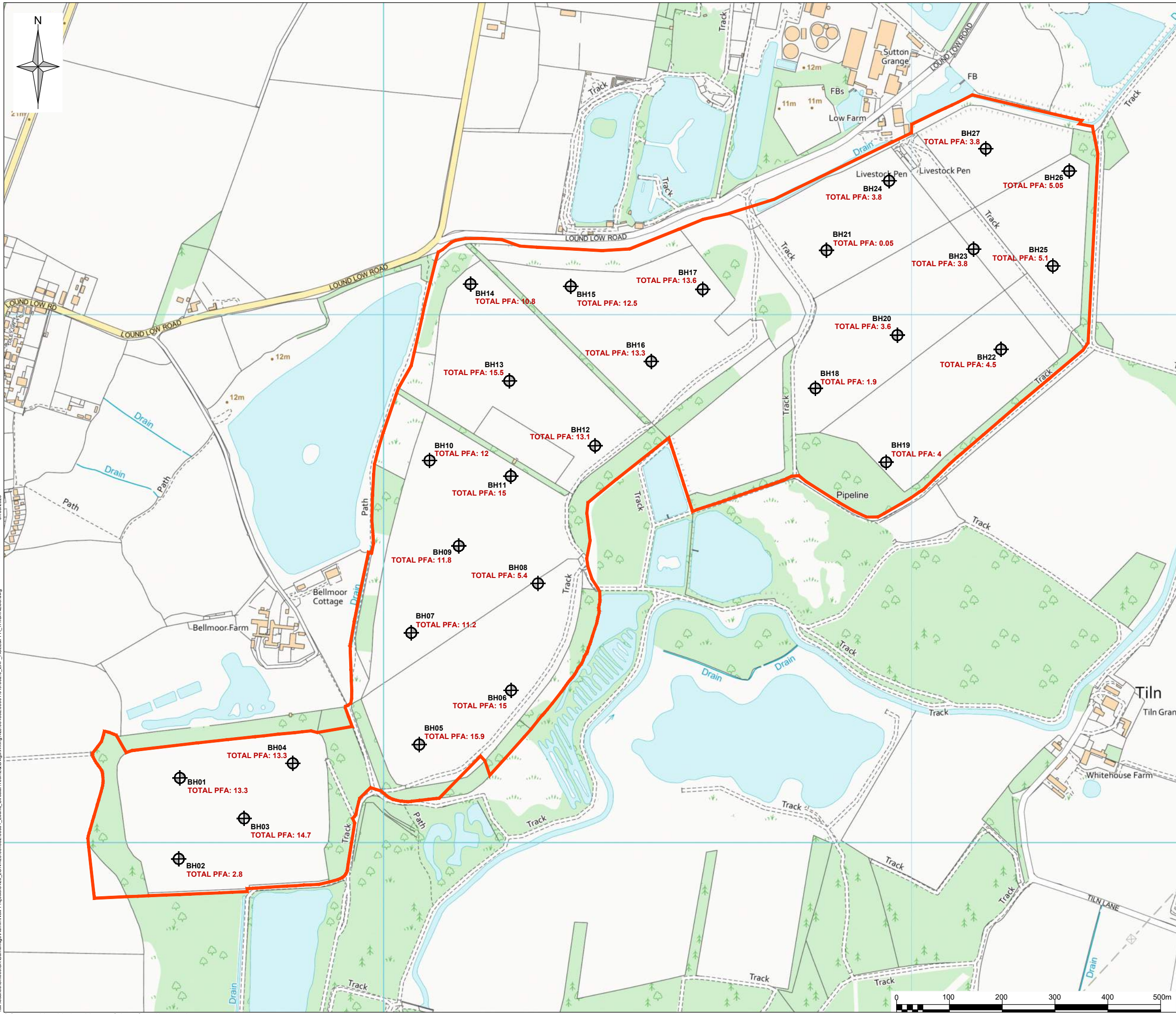
Designed ML	Drawn TKS	Checked ML	Authorised
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Date AUG 2023	Date AUG 2023	Date AUG 2023	Date
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Figure Number 01	Rev. 0
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Legend:

- APPROXIMATE SITE BOUNDARY
- BOREHOLE LOCATION
- 13.3 TOTAL PFA THICKNESSES

Rev	Amendments	Date	By	Chk	Auth

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Client
LOUND HIVE LTD

Project
**RETFORD CIRCULAR ECONOMY PROJECT
PFA CONTAMINANT TESTING**

Figure Title
**EXPLORATORY HOLE PLAN WITH PFA
THICKNESSES**

Scale NTS @ A3	SLR Project No. 425.064852.00001
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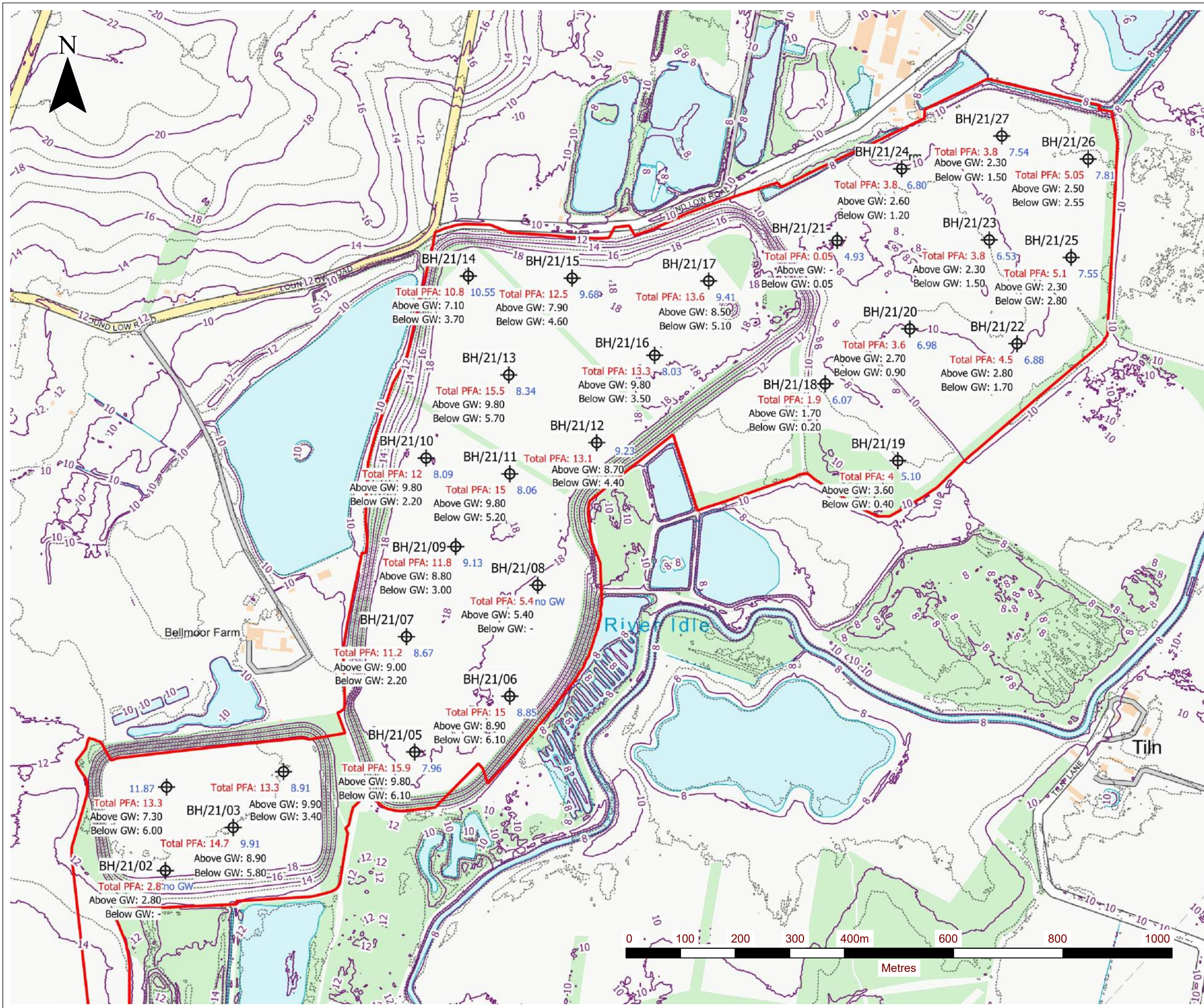
Designed ML	Drawn TKS	Checked ML	Authorised
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Date AUG 2023	Date AUG 2023	Date AUG 2023	Date
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Figure Number 02	Rev. 0
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416.V11943.00001.19.004.0_BH_LOCS&PFA.dwg



LEGEND

- APPROXIMATE SITE BOUNDARY
- 2m CONTOURS
- BOREHOLE LOCATION
- TOTAL PFA THICKNESS (13.3)
- PFA ABOVE GROUNDWATER (m) (9.80)
- PFA BELOW GROUNDWATER (m) (3.50)
- GROUNDWATER LEVEL (mAOD) (7.81)

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RET福德 CIRCULAR ECONOMY PROJECT
 PHASE ONE LAND QUALITY ASSESSMENT
 BOREHOLE LOCATIONS & PFA THICKNESS

DRAWING 04

Scale: NTS (A3) Date: JANUARY 2023



Appendix A - Exploratory Hole Logs

BOREHOLE LOG				BOREHOLE No BH/21/01	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 03/06/2021	Ground Level: 19.37m	Co-ordinates: E468614 N384122	
Project: Lound PFA SI					Sheet 1 of 2




SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20 - 1.50	B				19.17		0.20	SAND Reddish brown slightly silty fine to medium SAND (Restoration Backfill)
1							(1.40)	SILTY SAND Grey silty fine SAND with occasional bands of greyish brown sandy SILT (Pulverised Fuel Ash) 0.20 - 0.30 Sandy SILT 0.80 - 0.90 Sandy SILT
1.50 - 3.00	B				17.77		1.60	1.30 - 1.40 Sandy SILT
2								SANDY SILT Soft to stiff brownish grey sandy SILT with some grey fine sand laminations and beds (Pulverised Fuel Ash) 2.00 - 2.10 Dark grey sandy band - 100mm 2.70 - 2.80 Dark grey sandy band - 100mm
3.00 - 4.50	B							4.00 - 4.10 Dark grey sandy band - 100mm 4.50 - 4.80 Dark grey sandy band - 300mm 5.10 - 5.20 Dark grey sandy band - 100mm
4								5.70 - 6.00 Dark grey sandy band - 300mm 6.00 - 7.50 Poor recovery - 0.6m Silt washed out
4.50 - 6.00	B						(11.90)	
5								
6.00 - 7.50	B							
6								
7								
7.50 - 9.00	B							
7								
8								
9.00 - 10.509	B							
8								

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	7.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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<h1 style="text-align: center;">BOREHOLE LOG</h1>				BOREHOLE No BH/21/01	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 03/06/2021	Ground Level: 19.37m	Co-ordinates: E468614 N384122		
Project: Lound PFA SI				Sheet 2 of 2	

SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
10.50 - 11.40	B				XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX		10.35 - 10.45	Dark grey sandy band - 100mm	* * * * *
11.40 - 13.50	B				XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX				* * * * *
					5.87	XXXXXX	13.50		* * * * *
					4.37	(1.50) 15.00	SANDSTONE Reddish brown slightly silty fine to medium SANDSTONE with occasional silty lenses (Chester Formation)	* * * * *
								Borehole Complete at 15.00m	* * * * *

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	7.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/02	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 03/06/2021	Ground Level: 18.76m		Co-ordinates: E468612 N383969
Project: Lound PFA SI					Sheet 1 of 1



SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.10 - 1.50	B				18.66	0.10	TOPSOIL SANDY SILT Soft to firm friable grey sandy SILT with occasional light grey silty beds (Pulverised Fuel Ash)		
1.50 - 2.90	B					(2.80)			
					15.86	2.90	SANDSTONE BUND Grey and reddish brown fine to medium SAND and fine to coarse sub-rounded quartzite GRAVEL with some organic material with organic black rootlets in top 0.1m (Made Ground)		
					14.26	4.50	Borehole Complete at 4.50m		

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	4.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/03	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 03/06/2021	Ground Level: 18.91m	Co-ordinates: E468736 N384048	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument	Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		
0.10 - 1.50	B				(2.30)	0.10	SAND Reddish brown silty fine to medium SAND (Restoration Backfill) SILTY SAND Light grey friable silty fine SAND with occasional slightly sandy silt bands (Pulverised Fuel Ash) <i>0.30 - 0.40 Sandy SILT</i>	(2.30)	
1.50 - 2.40	B					2.40	<i>1.25 - 1.40 Sandy SILT</i>		
2.40 - 4.50	B				(3.60)	2.40	SANDY SILT Soft to firm brownish grey sandy SILT with occasional dark grey sand laminations (Pulverised Fuel Ash)	(3.60)	
4.50 - 6.00	B					6.00	<i>4.00 - 4.10 Dark grey sandy band - 100mm</i>		
6.00 - 6.70	B				(0.70)	6.00	<i>5.80 - 5.90 Dark grey sandy band - 100mm</i>	(0.70)	
6.70 - 9.00	B					6.70	SAND Dark grey slightly silty fine to medium SAND (Pulverised Fuel Ash)		
9.00 - 10.509	B			▼			SANDY SILT Soft to firm brownish grey and grey laminated sandy SILT with occasional sandy horizons (Pulverised Fuel Ash)		

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/03	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 03/06/2021	Ground Level: 18.91m	Co-ordinates: E468736 N384048	
Project: Lound PFA SI					Sheet 2 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
10.50 - 12.00	B				XXXXXX			
12.00 - 13.50	B				XXXXXX	(8.10)		
								13.50 - 15.00 No Recovery - very wet Likely silt washed out
					XXXXXX	4.11	14.80	
					XXXXXX			SANDSTONE Reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)
					XXXXXX	2.41	16.50	
								Borehole Complete at 16.50m

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/04	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 02/06/2021	Ground Level: 18.91m		Co-ordinates: E468828 N384150
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 1.50	B				18.71		0.20	SAND Reddish brown slightly silty fine to medium SAND SILTY SAND Grey silty fine SAND with some firm to stiff silty bands (Pulverised Fuel Ash) 0.20 - 0.50 Sandy SILT 0.80 - 0.95 Sandy SILT
1.50 - 3.00	B						(3.10)	2.30 - 2.45 Sandy SILT 2.70 - 2.90 Sandy SILT 3.00 - 3.10 Sandy SILT
3.00 - 4.50	B				15.61		3.30	INTERBEDDED SILT & SAND Soft to stiff brownish grey sandy SILT and grey silty fine SAND (Pulverised Fuel Ash)
4.50 - 6.00	B				14.41		4.50	SILT Soft to stiff locally very stiff brownish grey slightly sandy SILT with occasional dark grey fine sand laminations (Pulverised Fuel Ash) 5.60 - 5.70 Dark grey sandy band - 100mm 7.00 - 7.10 Dark grey sandy band - 100mm 8.00 - 8.10 Dark grey sandy band - 100mm 8.50 - 8.60 Dark grey sandy band - 100mm 9.80 - 10.00 Dark grey sandy band - 200mm
6.00 - 7.50	B						(6.00)	
7.50 - 9.00	B							
9.00 - 10.50	B							

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	15.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/04	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 02/06/2021	Ground Level: 18.91m	Co-ordinates: E468828 N384150	
Project: Lound PFA SI					Sheet 2 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill	
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION
11					8.41	XXXXX XXXXX XXXXX	10.50	SILT Soft to stiff locally very stiff brownish grey slightly sandy SILT with occasional dark grey fine sand laminations (Pulverised Fuel Ash) No Recovery Assumed very wet/saturated SILT that has been washed out by the drilling process	*
12							(3.00)		
13					5.41	*****	13.50	SANDSTONE Friable reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	*
14							(1.50)		
15					3.91	*****	15.00	Borehole Complete at 15.00m	*
16									
17									
18									
19									

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	15.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/05	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 28/05/2021	Ground Level: 17.95m	Co-ordinates: E469068 N384186		
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.20 - 1.50	B				17.76		0.20	TOPSOIL Reddish brown sandy SILT SANDY SILT Soft to stiff grey and light grey sandy SILT and occasional dark grey sandy horizons (Pulverised Fuel Ash)	
1.50 - 3.00	B								
3.00 - 4.50	B							3.70 - 4.30 Very sandy 3.7-4.3m	
4.50 - 6.00	B						(15.90)	5.40 - 5.60 Silty SAND	
6.00 - 7.50	B								
7.50 - 9.00	B							7.50 - 9.00 Very soft and wet	
9.00 - 10.50	B								

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	18.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/06	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 02/06/2021	Ground Level: 17.85m	Co-ordinates: E469242 N384288	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.10 - 1.50	B				x x x x	0.10	SAND Reddish brown slightly silty fine to medium SAND (Restoration Backfill) SANDY SILT Soft to firm locally stiff grey and brownish grey sandy SILT with occasional dark grey fine sand laminations (Pulverised Fuel Ash)		
1.50 - 3.00	B				x x x x		2.40 - 2.50 Dark gray sandy band - 100mm		
3.00 - 4.50	B				x x x x		3.20 - 3.30 Dark gray sandy band - 100mm		
4.50 - 6.00	B				x x x x	(15.00)	4.10 - 4.20 Dark gray sandy band - 100mm 4.80 - 5.00 Dark grey sandy band - 200mm		
6.00 - 7.50	B				x x x x		5.35 - 5.40 Dark grey sandy band - 50mm 5.70 - 5.90 Dark grey sandy band - 200mm 6.20 - 6.30 Dark grey sandy band - 100mm		
7.50 - 9.00	B				x x x x		6.80 - 7.30 Dark grey sandy band - 500mm		
9.00 - 10.50	B			▼	x x x x				

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	16.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/07	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 27/05/2021	Ground Level: 18.17m	Co-ordinates: E469053 N384397	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.50 - 1.50	B				17.67	(0.50)	GRAVELLY SAND Reddish brown silty fine to medium SAND with some fine to medium sub-rounded quartzite gravel (Restoration Backfill)	
1.50 - 2.00						(11.20)	SANDY SILT Soft to stiff locally very stiff grey and brownish grey silty fine SAND with occasional dark grey fine sand laminations (Pulverised Fuel Ash)	
2.00 - 2.60	B						2.00 - 2.60 Grey silty fine SAND	
2.60 - 4.50	B							
4.50 - 6.00	B						4.50 - 6.00 Interbedded sandy SILT and silty SAND	
6.00 - 7.50	B							
7.50 - 9.00	B						7.90 - 8.00 Dark grey sandy band - 100mm	
9.00 - 10.50	B							

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	13.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/08	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 01/06/2021	Ground Level: 17.32m		Co-ordinates: E469293 N384491
Project: Lound PFA SI					Sheet 1 of 1



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 1.50	B				17.02		0.30	SAND Reddish brown slightly silty fine to medium SAND (Restoration Backfill)
1.50 - 3.00	B							INTERBEDDED SILT & SAND Soft to firm brownish grey sandy SILT and grey silty fine SAND (Pulverised Fly Ash) 1.30 - 1.40 Silty SAND below 1.3m
3.00 - 4.50	B						(5.40)	2.80 - 2.90 SILT below 2.8m 3.40 - 3.50 Dark grey sandy band - 100mm 3.80 - 3.90 Dark grey sandy band - 100mm 4.10 - 4.20 Dark grey sandy band - 100mm
4.50 - 5.70	B							
					11.62		5.70	
					11.42		5.90	SAND & GRAVEL Dark grey silty SAND & GRAVEL with organic patches (Made Ground)
							(1.60)	SANDSTONE BUND Reddish brown slightly silty fine to medium SAND with fine to coarse sub-rounded SANDSTONE and quartzite gravel (Made Ground)
					9.82		7.50	
								Borehole Complete at 7.50m

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
											SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/09	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 27/05/2021	Ground Level: 18.12m	Co-ordinates: E469143 N384562		
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20 - 1.50	B				17.92	0.20	SAND Reddish brown silty fine SAND with occasional fine gravel SANDY SILT Soft to firm locally stiff grey and brownish grey sandy SILT with occasional fine sand laminations (Pulverised Fuel Ash)	
1.60 - 3.00	B						1.60 - 1.90 Dark grey sand band	
3.00 - 4.50	B						4.10 - 4.30 Dark grey sand band	
4.50 - 6.00	B					(11.80)	6.00 - 6.10 Wet below 6.0m 6.00 - 6.75 Interbedded sandy SILT and silty SAND	
6.00 - 7.50	B			▼			7.50 - 7.90 Dark grey silty fine SAND	
7.50 - 9.00	B							
9.00 - 10.50	B			▼				

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	13.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/10	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 26/05/2021	Ground Level: 18.09m		Co-ordinates: E469089 N384724
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20 - 1.50	B				17.89		0.20	SAND & GRAVEL Reddish brown silty fine to medium SAND & GRAVEL (Restoration Cover)
1.50 - 3.00	B				16.59		1.50	SANDY SILT Firm grey/brownish grey mottled sandy SILT with occasional dark grey sand horizons (Pulverised Fuel Ash)
3.00 - 3.80	B							INTERBEDDED SILT & SAND Soft to firm brownish grey sandy SILT and grey silty fine SAND (Pulverised Fuel Ash)
3.80 - 4.30	B						(4.50)	
4.30 - 6.00	B							
6.00 - 7.50	B				12.09		6.00	VOID Casing fell 0.5m
7.50 - 9.00	B				11.59		6.50	SANDY SILT Soft brownish grey sandy SILT with occasional dark grey sandy laminations (Pulverised Fuel Ash)
9.00 - 10.50	B				9.09		9.00	SILT Soft to firm brownish grey SILT with occasional dark grey fine sand laminations (Pulverised Fuel Ash)
								8.50 - 8.60 Slightly sandy below 8.5m

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	13.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/11	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 01/06/2021	Ground Level: 18.13m	Co-ordinates: E469242 N384695	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 1.50	B				17.83	[Pattern]	0.30	SAND Reddish brown silty fine to medium SAND (Restoration Backfill)
1.50 - 3.00	B					[Pattern]		SILT Soft to firm friable slightly sandy SILT (Pulverised Fuel Ash)
3.00 - 4.50	B					[Pattern]	(6.40)	2.70 - 2.90 Dark grey SAND 3.00 - 3.10 Wet below 3.0m 3.10 - 3.20 Dark grey sandy band - 100mm
4.50 - 6.00	B					[Pattern]		4.70 - 4.90 Dark grey sandy band - 200mm
6.00 - 6.70	B					[Pattern]		
6.70 - 7.50	B				11.43	[Pattern]	6.70	SILTY SAND Dark grey silty fine SAND (Pulverised Fuel Ash)
7.50 - 9.00	B				10.63	[Pattern]	7.50	SANDY SILT Soft to firm locally stiff brownish grey sandy SILT with occasional dark grey fine sand laminations (Pulverised Fuel Ash) 7.50 - 9.00 Interbedded sandy SILT and silty SAND
9.00 - 10.509	B					[Pattern]		

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	18.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/12	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 25/05/2021	Ground Level: 18.23m	Co-ordinates: E469401 N384752	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill	
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION
0.30 - 1.50	B				17.93		0.30	SAND Reddish brown silty fine SAND	
1.50 - 3.00	B						(2.85)	SANDY SILT Grey very sandy SILT with some greyish brown lamination (Pulverised Fuel Ash)	
3.00 - 4.50	B				15.08		3.15	INTERBEDDED SILT & SAND (Pulverised Fuel Ash) 3.15 - 3.65 Dark grey silty fine SAND 3.65 - 3.95 Brownish grey laminated sandy SILT 3.95 - 4.15 Grey SAND 4.15 - 4.40 Brownish grey laminated sandy SILT 4.40 - 4.70 Grey SAND	
4.70 - 6.90	B				13.53		4.70	SANDY SILT Soft to stiff greyish brown sandy SILT with occasional dark grey sandy laminations (Pulverised Fuel Ash)	
6.90 - 9.00	B			▼			(8.70)	7.10 - 7.30 Dark grey sandy band - 200mm	
9.00 - 10.50	B			▼				9.00 - 10.50 Becoming slightly sandy below 9.0m	

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									13.50	15.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/13	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 25/05/2021	Ground Level: 18.54m	Co-ordinates: E469240 N384876	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.40 - 1.50	B				18.14	[Cross-hatch pattern]	0.40	SAND Reddish brown silty fine SAND (Restoration Cover)
1.50 - 3.00	B				17.04	[Cross-hatch pattern]	1.50	SILT Firm grey slightly sandy SILT with occasional dark grey sandy laminations (Pulverised Fuel Ash)
3.00 - 4.50	B				15.94	[Cross-hatch pattern]	2.60	SILTY SAND Grey silty fine SAND (Pulverised Fuel Ash)
4.50 - 6.00	B				11.94	[Cross-hatch pattern]	4.00	INTERBEDDED SILT & SAND Soft to firm brownish grey sandy SILT and grey silty fine SAND (Pulverised Fuel Ash) 2.60 - 3.30 Dark grey sandy SILT 3.30 - 3.50 Dark grey silty SAND 3.50 - 4.10 Brownish grey slightly sandy SILT 4.10 - 4.50 Dark grey SAND 4.50 - 5.00 Dark grey sandy SILT 5.00 - 5.10 Dark grey silty SAND 5.10 - 5.40 Dark grey sandy SILT 5.40 - 5.60 Dark grey silty SAND 5.60 - 6.60 Dark grey sandy SILT
6.00 - 6.60	B				9.54	[Cross-hatch pattern]	6.60	SILTY SAND Dark grey silty fine SAND (Pulverised Fuel Ash)
6.60 - 7.50	B					[Cross-hatch pattern]	(2.40)	
7.50 - 9.00	B					[Cross-hatch pattern]	9.00	SILT Light brownish grey and greyish brown laminated slightly sandy SILT with occasional dark grey sand laminations (Pulverised Fuel Ash)
9.00 - 10.509	B					[Cross-hatch pattern]	(1.50)	

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	18.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/14	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 26/05/2021	Ground Level: 18.05m	Co-ordinates: E469166 N385057		
Project: Lound PFA SI				Sheet 1 of 2	



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.40 - 1.50	B				17.65	[Pattern]	0.40	SAND & GRAVEL Brown slightly silty fine to coarse SAND and fine to coarse sub-rounded quartzite GRAVEL (Restoration Cover)
1.50 - 3.00	B					[Pattern]	(2.60)	SANDY SILT Soft to firm grey sandy SILT with occasional grey sandy silt bands (Pulverised Fuel Ash)
3.00 - 4.50	B				15.05	[Pattern]	3.00	INTERBEDDED SILT & SAND Soft to firm brownish grey sandy SILT and grey silty fine SAND (Pulverised Fuel Ash) 3.40 - 3.70 Very wet
4.50 - 6.00	B				13.55	[Pattern]	4.50	SANDY SILT Soft to firm grey and brownish grey sandy SILT with occasional dark grey sand laminations (Pulverised Fuel Ash)
6.00 - 7.50	B					[Pattern]	(3.00)	
					10.55		7.50	VOID No recovery - very soft, possibly saturated
9.80 - 11.20	B				8.25	[Pattern]	9.80	SANDY SILT

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	13.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/15	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 24/05/2021	Ground Level: 18.18m	Co-ordinates: E469356 N385053	
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.60 - 1.50	B					0.60	TOPSOIL Light reddish brown slightly silty fine to medium SAND with occasional fine to medium sub-rounded quartzite gravel	
1.50 - 3.00	B						SANDY SILT Soft to firm dark grey slightly sandy SILT (Pulverised Fuel Ash)	
3.00 - 4.50	B						2.50 - 2.60 Dark grey sandy band - 100mm 3.00 - 3.30 Dark grey sandy band - 300mm 3.50 - 4.00 Dark grey sandy band - 500mm	
4.50 - 6.00	B						4.50 - 5.00 Dark grey sandy band - 500mm	
6.00 - 7.50	B					(12.50)	6.00 - 7.50 Brownish grey and very wet below 6.0m	
7.50 - 9.00	B							
9.00 - 10.50	B						9.70 - 10.50 Extremely weak laminated silt	

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	15.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/15	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 24/05/2021	Ground Level: 18.18m	Co-ordinates: E469356 N385053	
Project: Lound PFA SI					Sheet 2 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
<div style="text-align: right; margin-right: 5px;"> 10.50 - 12.00 11 12.00 - 13.10 12 13 14 15 16 17 18 19 </div>	B					13.10	SANDY SILT Soft to firm dark grey slightly sandy SILT (Pulverised Fuel Ash)	
	B			5.08		15.00 (1.90)	SANDSTONE Moderately weak reddish brown fine to medium SANDSTONE (Chester Formation)	
				3.18			Borehole Complete at 15.00m	

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	15.00	

SILT, SAND & GRAVEL relate to the grain size of the logged material as follows:

 SILT <0.063mm
 SAND 0.063-4.0mm
 GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/16	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 24/05/2021	Ground Level: 18.03m		Co-ordinates: E469507 N384912
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20 - 1.50	B				17.83		0.20	SAND Reddish brown fine to medium SAND
1.50 - 3.00	B						(2.80)	SANDY SILT Soft to firm dark grey sandy SILT (Pulverised Fly Ash)
3.00 - 4.50	B				15.03		3.00	SILTY SAND Dark grey silty fine to medium SAND (Pulverised Fuel Ash)
3.00 - 4.50	B						(1.30)	
4.50 - 6.00	B				13.73		4.30	INTERBEDDED SILT & SAND (Pulverised Fuel Ash) 4.30 - 4.70 Sandy SILT 4.70 - 4.80 Silty SAND 4.80 - 5.40 Laminated SILT 5.40 - 5.90 Silty SAND
6.00 - 7.50	B				12.13		5.90	SANDY SILT Firm to stiff grey and greyish brown laminated sandy SILT (Pulverised Fuel Ash) 6.30 - 6.40 Dark grey sandy band - 50mm
7.50 - 9.00	B						(3.10)	
9.00 - 9.90	B				9.03		9.00	SILTY SAND Dark grey slightly silty fine to medium SAND (Pulverised Fuel Ash)
9.90 - 12.00	B				8.13		(0.90)	

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	16.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/16	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 24/05/2021	Ground Level: 18.03m	Co-ordinates: E469507 N384912	
Project: Lound PFA SI					Sheet 2 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
11					XXXXXX	(2.10)	SANDY SILT Grey and grey brown sandy SILT (Pulverised Fuel Ash) <i>10.50 - 12.00 Very poor recovery - 15% Assumed silt washed out during drilling</i>	
12.00 - 13.50	B				(1.50)	SAND Grey slightly silty SAND (Pulverised Fuel Ash)	
13.50 - 14.80	B				XXXXXX	(1.30)	SILTSTONE Extremely weak reddish brown SILTSTONE (Chester Formation)	
15					(1.70)	SANDSTONE Moderately weak reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
16							Borehole Complete at 16.50m	

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	16.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/17	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 25/05/2021	Ground Level: 18.41m		Co-ordinates: E469606 N385048
Project: Lound PFA SI					Sheet 1 of 2



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.50 - 1.50	B				18.21		0.20	TOPSOIL Brown sandy SILT with some fine to medium rounded quartzite gravel
					17.91		0.50	SAND Light brown slightly silty fine SAND with occasional fine gravel
1.50 - 4.00	B					(3.50)	SILT Firm grey and brownish grey laminated SILT with occasional dark grey sandy horizons (Pulverised Fuel Ash)	
4.00 - 6.00	B					4.00	INTERBEDDED SILT & SAND (Pulverised Fuel Ash)	
6.00 - 7.50	B					6.00	SILT Greyish brown soft to stiff locally very stiff slightly sandy SILT with occasional dark grey sandy horizons (Pulverised Fuel Ash)	
7.50 - 9.00	B					(4.90)	7.20 - 7.30 Dark grey sandy band - 100mm 8.00 - 8.10 Light brown silt band - 100mm 8.60 Sandy below 8.6m	
9.00 - 10.90	B			▼			9.00 Water Strike	

Borehole Continued on Next Page

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	16.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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BOREHOLE LOG				BOREHOLE No BH/21/17	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 25/05/2021	Ground Level: 18.41m	Co-ordinates: E469606 N385048		
Project: Lound PFA SI				Sheet 2 of 2	






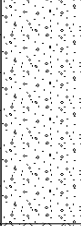


SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
10.90 - 11.60	B				7.51		10.90 (0.70)	10.20 Very wet below 10.2m INTERBEDDED SILT & SAND Firm brownish grey and grey laminated silty SAND and sandy SILT (Pulverised Fuel Ash)	
11.60 - 13.50	B				6.81		11.60 (2.50)	SILT Soft brownish grey laminated slightly sandy SILT with occasional thin horizons of dark grey sand (Pulverised Fuel Ash)	
13.50 - 14.10	B				4.31		14.10 (1.35)	SAND & GRAVEL Dark grey/reddish grey/black mottled silty fine to coarse SAND and fine to medium sub-rounded quartzite GRAVEL (River Terrace Deposit) 14.40 Rootlets	
					2.96		15.45 (1.05)	SANDSTONE Moderately weak reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
					1.91		16.50	Borehole Complete at 16.50m	

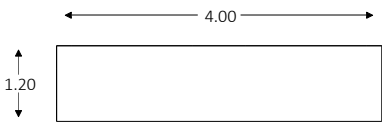
Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									1.50	16.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm


All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS		Approved By: BM	
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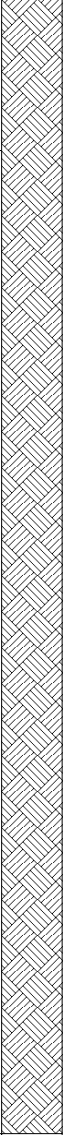
LOGGING HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS5930:2015+A2:2020

TRIAL PIT LOG					TRIAL PIT No BH/21/18	
Client: Lound Hive Ltd						
Project: Lound PFA SI						
Project No: 416.11943.00001	Date: 24/05/2021	Ground Level: 8.57m	Co-ordinates: E469819 N384860	Sheet 1 of 1		

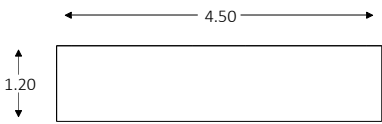
SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
1 2								TOPSOIL Dark brown sandy SILT	
				8.37		(0.20) 0.20			
				7.77		(0.60) 0.80		SAND Brown clayey silty fine to coarse SAND with much fine to medium occasionally coarse quartzite gravel	
				5.87		(1.90) 2.70		SILT Soft becoming firm dark grey slightly sandy SILT (Pulverised Fuel Ash)	
				5.57		(0.30) 3.00		SANDSTONE Moderately weak reddish brown fine to medium SANDSTONE (Chester Formation)	
Trial Pit Complete at 3.00m									


GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions:  Shoring/Support: None Stability: OK	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement		All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11
		Method: Trial pit/trench	Logged By: TS Approved By: BM

TRIAL PIT LOG				TRIAL PIT No BH/21/19	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 25/05/2021	Ground Level: 9.10m	Co-ordinates: E469952 N384719	Sheet 1 of 2	

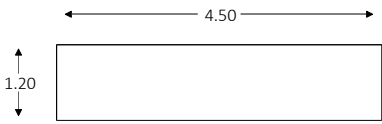
SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
0.40 - 2.00	B				8.70	(0.40)	0.40	SAND & GRAVEL Brown slightly silty fine to coarse SAND and fine to medium sub-rounded quartzite GRAVEL (Restoration Cover)	
2.00 - 4.00	B					(4.00)		SILTY SAND Dark grey very silty fine SAND (Pulverised Fuel Ash)	

Trial Pit Continued on Next Page

GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions: 	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement		Shoring/Support: None Stability: OK	
All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Logged By: TS Approved By: BM

TRIAL PIT LOG				TRIAL PIT No BH/21/19	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 25/05/2021	Ground Level: 9.10m	Co-ordinates: E469952 N384719	Sheet 2 of 2	

SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
4				▼			4.00 - 4.10 Water Strike		
					4.70	(0.10)	4.40		
					4.60	(0.10)	4.50	SANDSTONE Reddish brown fine to medium SANDSTONE (Chester Formation) Trial Pit Complete at 4.50m	
5									

GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions: 	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement			
All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Shoring/Support: None Stability: OK
		Logged By: TS	Approved By: BM


BOREHOLE LOG				BOREHOLE No BH/21/20	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 08/06/2021	Ground Level: 9.98m	Co-ordinates: E469974 N384960	
Project: Lound PFA SI					Sheet 1 of 1



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 1.50	B			▼	9.68	[Pattern]	0.30	SAND Brown silty fine SAND with occasional fine quartzite gravel (Restoration Backfill)
1.50 - 3.00	B				(3.60)	[Pattern]		SANDY SILT Soft to firm grey sandy SILT with occasional grey sandy silt horizons (Pulverised Fuel Ash) 0.85 - 1.40 Grey silty fine SAND
3.00 - 3.90	B				6.08	[Pattern]	3.90	SANDSTONE Reddish brown friable silty fine t medium SANDSTONE with some grey silty lenses (Chester Formation)
					3.98	[Pattern]	6.00	Borehole Complete at 6.00m

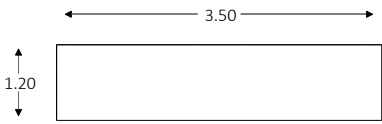
Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm


All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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TRIAL PIT LOG				TRIAL PIT No BH/21/21	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 28/05/2021	Ground Level: 7.92m	Co-ordinates: E469841 N385122	Sheet 1 of 2	

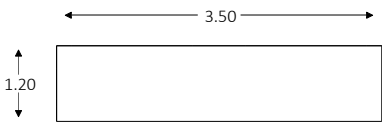
SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
1						(0.40)	TOPSOIL Friable brown sandy SILT	Instrument Backfill	
				7.52	0.40		SAND Reddish brown slightly silty fine to medium SAND (Restoration Backfill)		
						(1.60)			
					5.92	2.00			
					5.88	2.05	SANDY SILT (Pulverised Fuel Ash)		
2					(0.25)		SAND & GRAVEL Dark grey organic silty SAND & GRAVEL (River Terrace Deposits)	Instrument Backfill	
					5.62	2.30	SANDSTONE Reddish brown silty sine SANDSTONE (Chester Formation)		
					(1.00)				

Trial Pit Continued on Next Page

GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions: 	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement		Shoring/Support: None Stability: OK	
All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Logged By: TS Approved By: BM

TRIAL PIT LOG				TRIAL PIT No BH/21/21	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 28/05/2021	Ground Level: 7.92m	Co-ordinates: E469841 N385122	Sheet 2 of 2	

SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
4						•••••		SANDSTONE Reddish brown silty fine SANDSTONE (Chester Formation)	
					4.62	•••••	3.30		
5									

<p>GENERAL REMARKS:</p> <p>SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm</p> <p>KEY</p> <p>V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement</p>	<p>Trial Pit Dimensions:</p>  <p>Shoring/Support: None Stability: OK</p>
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All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/22	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 08/06/2021	Ground Level: 9.88m	Co-ordinates: E470170 N384933	
Project: Lound PFA SI					Sheet 1 of 1



SAMPLES & TESTS				Water	STRATA			Instrument Backfill	
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION
0.20 - 1.50	B				9.68		0.20	TOPSOIL Brown sandy SILT	
1								SANDY SILT	
1.50 - 3.00	B			▼			(4.50)	Soft to firm brownish grey sandy SILT with grey fine sand horizons (Pulverised Fuel Ash)	
2								2.20 Very soft and wet below 2.2m	
3.00 - 4.50	B			▼					
3									
4									
5					5.18		4.70	SANDSTONE	
6							(1.30)	Reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
7									
8					3.88		6.00		
9								Borehole Complete at 6.00m	

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/23	
Client: Lound Hive Ltd					
Project No: 416.11943.00001		Date: 07/06/2021	Ground Level: 9.17m		Co-ordinates: E470119 N385123
Project: Lound PFA SI					Sheet 1 of 1




SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 1.50	B				8.87	XXXXXX	0.30	TOPSOIL Brown sandy SILT with occasional fine to medium gravel and quartzite cobbles (Restoration Backfill)
1						XXXXXX		
1.50 - 3.00	B					XXXXXX	(3.80)	SILT Soft to firm laminated brown and brownish grey slightly sandy SILT with occasional grey sandy horizons (Pulverised Fuel Ash) 1.50 - 1.90 Dark grey very silty fine SAND 2.00 - 2.10 Very wet and soft below 2.0m
2						XXXXXX		
3.00 - 4.10	B					XXXXXX		
3						XXXXXX		
4					5.07	XXXXXX	4.10	
4					4.87	XXXXXX	4.30	SAND & GRAVEL Dark grey organic silty fine to medium SAND and fine to medium sub-rounded quartzite GRAVEL (River Terrace Deposit)
5						XXXXXX	(1.70)	SANDSTONE Reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)
5						XXXXXX		
6					3.17	XXXXXX	6.00	Borehole Complete at 6.00m
6						XXXXXX		
7						XXXXXX		
7						XXXXXX		
8						XXXXXX		
8						XXXXXX		
9						XXXXXX		
9						XXXXXX		

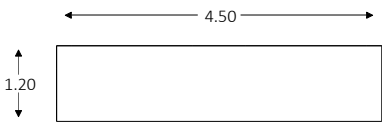
Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.00	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm


All dimensions in metres Scale 1:66		Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill		Method: Sonic core drilling Hole Size:		Logged By: TS	Approved By: BM
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TRIAL PIT LOG				TRIAL PIT No BH/21/24	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 28/05/2021	Ground Level: 9.70m	Co-ordinates: E469959 N385253	Sheet 1 of 2	

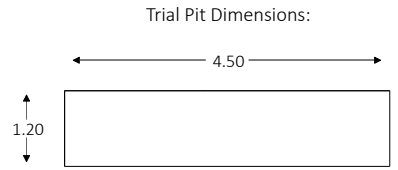
SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30 - 2.00	B				9.40	(0.30)	SAND & GRAVEL Brown silty SAND & GRAVEL (Restoration Backfill)	
2.00 - 4.10	B			▼		(3.80)	SANDY SILT Firm to stiff grey sandy SILT (Pulverised Fuel Ash)	
								<i>2.90 - 3.00 Very wet below 2.9m</i>

Trial Pit Continued on Next Page

GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions: 	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement		Shoring/Support: None Stability: OK	
All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Logged By: TS Approved By: BM

TRIAL PIT LOG				TRIAL PIT No BH/21/24	
Client: Lound Hive Ltd					
Project: Lound PFA SI					
Project No: 416.11943.00001	Date: 28/05/2021	Ground Level: 9.70m	Co-ordinates: E469959 N385253	Sheet 2 of 2	

SAMPLES & TESTS				Water	STRATA				Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	DESCRIPTION	
4					5.60	[X pattern]	4.10	SANDY SILT Firm to stiff grey sandy SILT (Pulverised Fuel Ash)	[X pattern]
					5.40	[Dotted pattern]	4.30	SANDSTONE Friable reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
5								Trial Pit Complete at 4.30m	

GENERAL REMARKS: SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm, SAND 0.063-4.0mm, GRAVEL 4.0-63.0mm		Trial Pit Dimensions: 	
KEY V = Hand Vane Shear Strength PP = Pocket Penetrometer Shear Strength J = Jar Sample D = Disturbed Sample B = Large Bulk Sample HS = Head Space Measurement		Shoring/Support: None Stability: OK	
All dimensions in metres Scale 1:20	Contractor: F Wright & Sons Ltd Plant: Komatsu PC230NHD-11	Method: Trial pit/trench	Logged By: TS Approved By: BM

BOREHOLE LOG				BOREHOLE No BH/21/25
Client: Lound Hive Ltd				
Project No: 416.11943.00001	Date: 07/06/2021	Ground Level: 10.55m	Co-ordinates: E470269 N385091	
Project: Lound PFA SI				Sheet 1 of 1

SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.70 - 1.50	B				9.85	(0.70)	TOPSOIL Brown sandy SILT with some fine to coarse sub-rounded quartzite gravel	
1.50 - 3.00	B			▼	4.75	5.80	SANDY SILT Firm laminated grey sandy SILT with occasional dark grey sandy horizons (Pulverised Fuel Ash)	
3.00 - 4.50	B				4.55	6.00	SILT Black organic SILT	
4.50 - 5.80	B				3.05	7.50	SANDSTONE Reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
Borehole Complete at 7.50m								

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	7.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/26		
Client: Lound Hive Ltd						
Project No: 416.11943.00001	Date: 07/06/2021	Ground Level: 10.81m	Co-ordinates: E470300 N385271			
Project: Lound PFA SI						Sheet 1 of 1

SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.50 - 1.50	B				10.31	(0.50)	GRAVELLY SILT Brown sandy SILT with some fine to medium sub-rounded quartzite gravel	
1.50 - 3.00	B			▼	5.26	5.55	SANDY SILT Soft to firm brownish grey and grey sandy SILT with occasional sandy horizons (Pulverised Fuel Ash)	
3.00 - 4.50	B				5.21	5.60	SAND & GRAVEL Black organic silty fine to medium SAND and fine to medium sub-rounded quartzite GRAVEL (River Terrace Deposit)	
4.50 - 5.50	B				3.31	7.50	SANDSTONE Reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
Borehole Complete at 7.50m								

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	7.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS Approved By: BM
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BOREHOLE LOG				BOREHOLE No BH/21/27	
Client: Lound Hive Ltd					
Project No: 416.11943.00001	Date: 07/06/2021	Ground Level: 10.54m	Co-ordinates: E470142 N385313		
Project: Lound PFA SI					Sheet 1 of 1



SAMPLES & TESTS				Water	STRATA			Instrument Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.70 - 1.50	B					0.70	SAND Brown slightly silty fine SAND with occasional fine gravel (Restoration Backfill)	
1						1.30	SILTY SAND Grey and greyish brown silty fine SAND (Pulverised Fuel Ash)	
1.70 - 3.00	B					3.20	SILT Soft to stiff locally very stiff thinly laminated brownish grey slightly sandy SILT with occasional dark grey sandy horizons (Pulverised Fly Ash)	
3.00 - 4.50	B			▼		4.50		
5						5.30	SAND & GRAVEL Black organic silty fine to medium SAND and fine to medium sub-rounded quartzite GRAVEL with occasional reddish brown slightly silty sand lenses (River Terrace Deposit)	
6						6.50	SANDSTONE Friable reddish brown slightly silty fine to medium SANDSTONE (Chester Formation)	
7							Borehole Complete at 6.50m	

Boring Progress and Water Observations						Chiselling			Water Added		General Remarks
Date	Time	Depth	Casing Dpt	Casing Dia	Water Dpt	From	To	Hours	From	To	
									0.00	6.50	SILT, SAND & GRAVEL relate to the grain size of the logged material as follows: SILT <0.063mm SAND 0.063-4.0mm GRAVEL 4.0-63.0mm

All dimensions in metres Scale 1:66	Contractor: GeoSonic Ltd Plant: DB320 Rota-Sonic Drill	Method: Sonic core drilling Hole Size:	Logged By: TS	Approved By: BM
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Appendix B – Ground Investigation Site Photos

Photo 1: BH18 prior to trial pitting	Photo 2: BH18 commencement of trial pitting into PFA beneath topsoil and sand	Photo 3: BH18 during trial pitting into PFA
		
Photo 4: – BH18 showing topsoil overlying sand and PFA	Photo 5: BH19 during trial pitting showing topsoil and sand gravel overlying PFA	Photo 6: BH24 during trial pitting showing topsoil and sand and gravel overlying PFA
		



Photo 7: BH12 13.5m to 15m showing sandstone of the Chester Formation



Photo 8: BH13 Ground Level to 1.5m showing PFA underlying topsoil and sand & gravel



Photo 9: B7 12m to 13.5m showing sandstone of the Chester Formation



Photo 10: PFA BH5 Ground level to 1.5m showing PFA



Photo 11: - BH5 1.5m to 3m showing PFA



Photo 12: - BH5 3m to 4.5m showing PFA











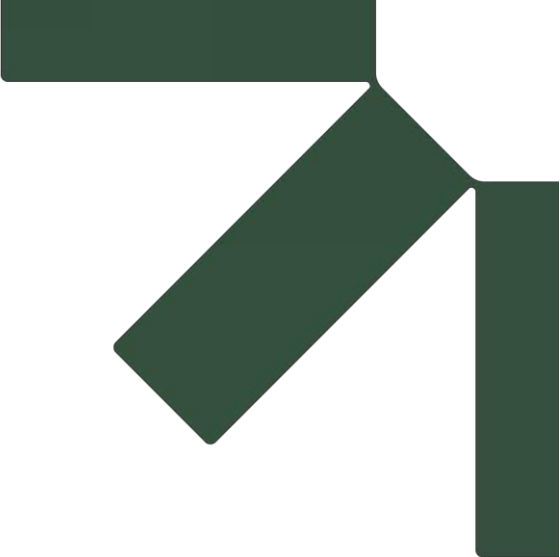
<p>Photo 13: – BH5 4.5m to 6m showing PFA</p>	<p>Photo 14: – BH5 6m to 7.5m showing PFA</p>	<p>Photo 15: – BH5 7.5m to 9m showing PFA</p>
		
<p>Photo 16: - BH5 9m to 10.5m showing PFA</p>	<p>Photo 17: - BH5 10.5m to 12m showing PFA</p>	<p>Photo 18: - BH5 12m to 13.5m showing PFA</p>
		



Photo 19: - BH5 13.5 to 15m showing PFA	Photo 20: - BH5 15m to 16.5m showing sandstone of the Chester formation	
		





Appendix C – Sample Schedule

Table C-1: PFA Sample Schedule

Location ID	Depth Top	Sample Reference	Depth Base	Asbestos screen	Metals	PAH	SVOC	Leachate
BH/21/01	0.2	T1	1.5	x	x	x	x	
BH/21/01	3	T3	4.5	x				
BH/21/01	6	T5	7.5	x	x	x	x	x
BH/21/01	9	T7	10.5	x				
BH/21/01	10.5	T8	11.4	x	x	x	x	
BH/21/02	0.1	T1	1.5	x				
BH/21/02	1.5	T2	2.9	x	x	x	x	
BH/21/03	0.1	T1	1.5	x	x	x	x	
BH/21/03	2.4	T3	4.5	x				
BH/21/03	6	T5	6.7	x	x	x	x	x
BH/21/03	12	T9	13.5	x	x	x	x	
BH/21/04	0.3	T1	1.5	x	x	x	x	
BH/21/04	3	T3	4.5	x				
BH/21/04	6	T5	7.5	x	x	x	x	x
BH/21/04	9	T7	10.5	x	x	x	x	
BH/21/05	3	T3	4.5	x	x	x	x	
BH/21/05	6	T5	7.5	x	x	x	x	x
BH/21/05	9	T7	10.5	x				
BH/21/05	12	T9	15	x	x	x	x	
BH/21/06	0.1	T1	1.5	x	x	x	x	
BH/21/06	3	T3	4.5	x				
BH/21/06	7.5	T6	9	x	x	x	x	x
BH/21/06	9	T7	10.5	x				
BH/21/06	12	T9	13.5	x				
BH/21/06	13.5	T10	15.1	x	x	x	x	
BH/21/07	0.5	T1	1.5	x	x	x	x	
BH/21/07	2.6	T3	4.5	x				
BH/21/07	6	T5	7.5	x	x	x	x	x
BH/21/07	9	T7	10.5	x	x	x	x	
BH/21/07	10.5	T8	11.7	x				
BH/21/08	0.3	T1	1.5	x	x	x	x	x
BH/21/08	3	T3	4.5	x				
BH/21/08	4.5	T4	5.7	x	x	x	x	
BH/21/09	0.2	T1	1.5	x	x	x	x	
BH/21/09	3	T3	4.5	x				
BH/21/09	6	T5	7.5	x	x	x	x	x
BH/21/09	7.5	T6	9	x				
BH/21/09	10.5	T8	12	x	x	x	x	
BH/21/10	4.3	T5	6	x	x	x	x	x
BH/21/10	6	T6	7.5	x	x	x	x	
BH/21/10	10.5	T9	12	x	x	x	x	



BH/21/11	3	T3	4.5	x	x	x	x	
BH/21/11	6	T5	6.7	x				
BH/21/11	7.5	T7	9	x	x	x	x	x
BH/21/11	10.5	T9	12	x	x	x	x	
BH/21/11	13.5	T11	15	x				
BH/21/12	0.3	T1	1.5	x	x	x	x	
BH/21/12	3	T3	4.5	x				
BH/21/12	6.9	T5	9	x	x	x	x	x
BH/21/12	10.5	T7	12	x				
BH/21/12	12	T8	13.4	x	x	x	x	
BH/21/13	0.4	T1	1.5	x	x	x	x	
BH/21/13	3	T3	4.5	x				
BH/21/13	6	T5	6.6	x				
BH/21/13	7.5	T7	9	x	x	x	x	x
BH/21/13	10.5	T9	12	x				
BH/21/13	14.6	T12	15.8	x	x	x	x	
BH/21/14	0.4	T1	1.5	x	x	x	x	
BH/21/14	3	T3	4.5	x	x	x	x	x
BH/21/14	6	T5	7.5	x				
BH/21/14	9.8	T6	11.2	x	x	x	x	
BH/21/15	0.6	T1	1.5	x	x	x	x	
BH/21/15	4.5	T4	6	x	x	x	x	
BH/21/15	6	T5	7.5	x	x	x	x	x
BH/21/15	10.5	T8	12	x				
BH/21/16	0.2	T1	1.5	x	x	x	x	
BH/21/16	3	T3	4.5	x				
BH/21/16	4.5	T4	6	x				
BH/21/16	7.5	T6	9	x	x	x	x	x
BH/21/16	9.9	T8	12	x				
BH/21/16	13.5	T10	14.8	x	x	x	x	
BH/21/17	1.5	T2	4	x	x	x	x	
BH/21/17	4	T3	6	x				
BH/21/17	7.5	T5	9	x	x	x	x	x
BH/21/17	10.9	T7	11.6	x				
BH/21/17	13.5	T9	14.1	x	x	x	x	
BH/21/18				x	x	x	x	
BH/21/18				x	x	x	x	x
BH/21/19	0.4	T1	2	x				x
BH/21/19	2	T2	4	x	x	x	x	
BH/21/20	0.3	T1	1.5	x	x	x	x	x
BH/21/20	1.5	T2	3	x	x	x	x	
BH/21/22	0.2	T1	1.5	x	x	x	x	x
BH/21/22	3	T3	4.5	x	x	x	x	
BH/21/23	1.5	T2	3	x	x	x	x	x



BH/21/23	3	T3	4.1	x					
BH/21/24	0.3	T1	2	x					
BH/21/24	2	T2	4.1	x	x	x	x	x	
BH/21/25	0.7	T1	1.5	x	x	x	x	x	
BH/21/25	3	T3	4.5	x					
BH/21/25	4.5	T4	5.8	x	x	x	x		
BH/21/26	0.5	T1	1.5	x	x	x	x	x	
BH/21/26	1.5	T2	3	x					
BH/21/26	4.5	T4	5.5	x	x	x	x		
BH/21/27	0.7	T1	1.5	x	x	x	x	x	
BH/21/27	3	T3	4.5	x					
				96	62	62	62	62	25





Appendix D - Analytical Certificates

SLR Consulting Ltd
97 Tottenham Court Rd
London
United Kingdom
W1T 4TP



Attention : Matt Logan
Date : 21st July, 2023
Your reference : 425.064852.00001
Our reference : Test Report 23/10769 Batch 1
Location : Retford Circular Economy Project (RCEP)
Date samples received : 3rd July, 2023
Status : Final report
Issue : 1

One hundred and forty six samples were received for analysis on 3rd July, 2023 of which ninety six were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Paul Boden BSc
Senior Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-3	13-15	22-24	31-33	37-39	49-51	55-57	58-60	70-72	76-78	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH1 T1	BH1 T5	BH1 T8	BH2 T2	BH3 T1	BH3 T5	BH3 T9	BH4 T1	BH4 T5	BH4 T7			
Depth	0.20-1.50	6.00-7.00	10.50-11.40	1.50-2.90	0.10-1.50	6.00-6.70	12.00-13.50	0.30-1.50	6.00-7.50	9.00-10.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Antimony	6	6	6	7	7	6	9	6	8	7	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	85.3	88.3	80.3	139.6	98.6	89.2	163.5	98.2	158.9	140.8	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	467	451	353	466	453	388	387	434	452	465	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	88.6	102.6	108.6	87.1	90.0	90.9	103.9	89.5	117.2	92.4	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	22.6	23.2	22.9	22.7	23.0	21.8	24.4	21.3	26.0	20.6	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	84	86	88	110	88	96	119	88	112	85	<1	mg/kg	TM30/PM15
Iron	60840 ^{AB}	66130 ^{AB}	77880 ^{AB}	34380	63120 ^{AB}	62140 ^{AB}	44920	50430 ^{AB}	53120 ^{AB}	43610	<20	mg/kg	TM30/PM15
Lead ^{#M}	28	30	27	57	35	25	64	35	54	45	<5	mg/kg	TM30/PM15
Magnesium	5127	4653	4819	3912	5461	4473	4305	4784	4440	3902	<25	mg/kg	TM30/PM15
Manganese ^{#M}	615	543	693	260	654	544	327	488	385	344	<1	mg/kg	TM30/PM15
Mercury ^{#M}	0.2	0.1	0.3	0.5	0.2	0.4	0.3	0.3	0.3	0.3	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	5.0	8.4	8.6	5.0	5.2	8.7	8.8	5.4	7.9	6.4	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	74.1	79.1	81.5	71.0	76.1	76.8	83.2	69.4	85.2	69.2	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	2	2	2	4	3	4	3	2	2	3	<1	mg/kg	TM30/PM15
Strontium	96	99	94	130	110	95	123	101	141	103	<5	mg/kg	TM30/PM15
Titanium	785	770	840	789	779	807	869	784	885	735	<5	mg/kg	TM30/PM15
Vanadium	124	127	140	159	133	130	174	130	165	133	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	4.9	16.7	11.7	4.1	11.9	16.5	9.8	7.0	8.2	31.0	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	53	51	52	79	62	43	87	60	79	65	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	97	89	90	77	98	87	93	97	78	98	<0	%	TM4/PM8
Natural Moisture Content	14.9	21.0	34.7	36.9	22.8	30.4	34.4	19.0	36.3	35.1	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-3	13-15	22-24	31-33	37-39	49-51	55-57	58-60	70-72	76-78	Please see attached notes for all abbreviations and acronyms			
Sample ID	BH1 T1	BH1 T5	BH1 T8	BH2 T2	BH3 T1	BH3 T5	BH3 T9	BH4 T1	BH4 T5	BH4 T7		LOD/LOR	Units	Method No.
Depth	0.20-1.50	6.00-7.00	10.50-11.40	1.50-2.90	0.10-1.50	6.00-6.70	12.00-13.50	0.30-1.50	6.00-7.50	9.00-10.50				
COC No / misc														
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T				
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>				
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt				
Batch Number	1	1	1	1	1	1	1	1	1	1				
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023				
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt		None	PM13/PM0	
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown		None	PM13/PM0	
Other Items	none	water	water	none	stones	none	water	none	water	water		None	PM13/PM0	

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	79-81	85-87	97-99	100-102	112-114	124-126	127-129	139-141	145-147	151-153	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH5 T3	BH5 T5	BH5 T9	BH6 T1	BH6 T6	BH6 T10	BH7 T1	BH7 T5	BH7 T7	BH8 T1			
Depth	3.00-4.50	6.00-7.50	12.00-15.00	0.10-1.50	7.50-9.00	13.50-15.00	0.50-1.50	6.00-7.50	9.00-10.50	0.30-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clay	Clayey Silt	Clay	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Antimony	7	8	8	8	8	7	8	9	8	8	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	91.2	139.0	158.2	119.2	170.5	136.9	115.8	155.2	149.4	101.2	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	811	510	478	980	507	475	662	754	745	694	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	91.8	89.9	111.1	106.8	103.4	93.6	86.8	99.0	92.8	94.9	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	26.5	23.5	25.0	29.2	25.7	23.3	22.9	26.8	26.5	27.1	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	104	114	124	155	115	116	113	133	113	126	<1	mg/kg	TM30/PM15
Iron	43690	42910	40860	49570 ^{AB}	43800	36990	46030	43060	44240	46730 ^{AB}	<20	mg/kg	TM30/PM15
Lead ^{#M}	74	58	62	95	60	60	54	75	58	78	<5	mg/kg	TM30/PM15
Magnesium	6147	4317	4401	6341	4299	4224	4311	4468	4455	6330	<25	mg/kg	TM30/PM15
Manganese ^{#M}	655	288	285	1149	332	284	338	279	310	980	<1	mg/kg	TM30/PM15
Mercury ^{#M}	0.1	0.4	0.3	0.3	0.6	0.4	0.4	0.4	0.4	0.4	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	7.1	6.3	9.1	8.1	7.4	7.9	6.3	6.9	6.9	7.2	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	88.6	75.1	80.2	101.2	79.1	74.3	74.2	88.6	81.6	89.0	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	4	4	4	4	4	3	4	4	5	4	<1	mg/kg	TM30/PM15
Strontium	186	141	147	237	145	139	135	207	219	172	<5	mg/kg	TM30/PM15
Titanium	1098	821	903	1385	854	870	838	1000	1085	1053	<5	mg/kg	TM30/PM15
Vanadium	166	159	187	280 ^{AB}	173	168	152	225	196	160	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	80.3 ^{AB}	12.7	17.9	119.1 ^{AB}	9.2	8.8	30.0	22.1	23.1	42.5	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	155	73	91	239	84	88	75	110	90	160	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	98	86	86	99	94	95	98	95	93	97	<0	%	TM4/PM8
Natural Moisture Content	<0.1	0.4	36.3	32.2	40.6	37.1	38.5	70.6	48.4	28.2	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	160-162	163-165	172-174	178-180	181-183	184-186	187-189	190-192	202-204	208-210	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH8 T4	BH9 T1	BH9 T5	BH9 T8	BH10 T5	BH10 T6	BH10 T9	BH11 T3	BH11 T7	BH11 T9	LOD/LOR	Units	Method No.
Depth	4.50-5.60	0.20-1.50	6.00-7.50	10.50-12.00	4.30-6.00	6.00-7.50	10.50-12.00	3.00-4.00	7.50-9.00	10.50-12.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023			
Antimony	7	7	8	9	8	9	9	8	7	8	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	128.7	139.0	163.0	141.9	125.0	141.3	155.4	162.0	110.4	183.9	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	648	663	692	753	706	729	688	784	690	489	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	89.8	83.9	97.4	101.2	96.1	101.5	103.5	97.3	91.9	104.0	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	22.1	21.3	23.0	28.1	24.6	23.4	24.4	23.3	20.8	23.2	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	107	115	122	126	133	148	124	124	101	111	<1	mg/kg	TM30/PM15
Iron	39250	47490 ^{AB}	45530	45890	48570	41430	43200	50290 ^{AB}	47610	46470	<20	mg/kg	TM30/PM15
Lead ^{#M}	53	68	65	69	62	86	80	69	52	64	<5	mg/kg	TM30/PM15
Magnesium	4172	3803	4161	4848	4116	4437	4752	4001	4002	4459	<25	mg/kg	TM30/PM15
Manganese ^{#M}	256	294	265	318	281	224	278	273	360	326	<1	mg/kg	TM30/PM15
Mercury ^{#M}	0.7	0.5	0.7	0.5	0.5	0.3	0.4	0.4	0.4	0.5	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	5.2	5.5	6.8	7.5	6.9	7.8	7.2	6.8	7.6	7.9	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	69.1	72.3	74.9	84.2	77.5	77.6	79.4	75.8	68.1	73.3	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	5	4	5	5	4	3	5	6	5	5	<1	mg/kg	TM30/PM15
Strontium	146	129	171	230	151	169	169	146	142	155	<5	mg/kg	TM30/PM15
Titanium	815	789	950	1140	918	1000	940	828	828	813	<5	mg/kg	TM30/PM15
Vanadium	160	152	176	207	173	194	190	170	141	163	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	13.9	8.4	15.1	42.1	22.5	8.3	10.2	16.2	48.1	7.1	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	70	91	82	99	79	102	97	88	71	95	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	87	95	91	96	91	95	92	92	91	88	<0	%	TM4/PM8
Natural Moisture Content	50.6	0.8	0.8	52.6	37.4	39.5	4.3	<0.1	53.5	36.5	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
 Reference: 425.064852.00001
 Location: Retford Circular Economy Project (RCEP)
 Contact: Matt Logan
 EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	160-162	163-165	172-174	178-180	181-183	184-186	187-189	190-192	202-204	208-210			
Sample ID	BH8 T4	BH9 T1	BH9 T5	BH9 T8	BH10 T5	BH10 T6	BH10 T9	BH11 T3	BH11 T7	BH11 T9	Please see attached notes for all abbreviations and acronyms		
Depth	4.50-5.60	0.20-1.50	6.00-7.50	10.50-12.00	4.30-6.00	6.00-7.50	10.50-12.00	3.00-4.00	7.50-9.00	10.50-12.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay		None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown		None	PM13/PM0
Other Items	water	stones	stones	water	none	none	none	none	water	stones, liquid		None	PM13/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	217-219	226-228	235-237	238-240	253-255	265-267	268-270	274-276	283-285	286-288	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH12 T1	BH12 T5	BH12 T8	BH13 T1	BH13 T7	BH13 T12	BH14 T1	BH14 T3	BH14 T6	BH15 T1			
Depth	0.30-1.50	6.90-9.00	12.00-13.40	0.40-1.50	7.50-9.00	14.60-15.80	0.40-1.50	3.00-4.50	9.80-11.20	0.60-1.30			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Antimony	2	9	9	8	5	6	8	9	9	7	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	11.7	151.3	184.5	116.4	68.3	101.3	121.8	161.3	142.2	105.5	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	94	692	814	639	604	568	427	383	601	603	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	79.3	112.8	120.4	91.3	75.6	84.7	71.8	86.0	95.2	88.5	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	4.9	25.3	24.3	23.3	18.4	21.4	18.7	18.2	23.3	18.9	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	31	130	129	119	76	93	99	114	127	103	<1	mg/kg	TM30/PM15
Iron	18900	44090	41100	69070 ^{AB}	60130 ^{AB}	49760	51670 ^{AB}	43210	37010	57610 ^{AB}	<20	mg/kg	TM30/PM15
Lead ^{#M}	63	96	74	37	24	40	38	49	78	32	<5	mg/kg	TM30/PM15
Magnesium	8797	4870	4327	3527	3512	3769	3318	3005	4963	3086	<25	mg/kg	TM30/PM15
Manganese ^{#M}	489	286	247	375	403	417	308	218	270	284	<1	mg/kg	TM30/PM15
Mercury ^{#M}	<0.1	0.5	0.5	0.3	0.3	0.6	0.2	0.4	0.2	<0.1	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	4.9	8.0	9.9	5.8	6.0	7.9	5.3	8.3	7.3	6.2	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	37.1	80.9	77.2	82.5	63.1	69.0	66.5	63.9	74.7	68.9	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	2	4	6	2	3	4	2	4	10	2	<1	mg/kg	TM30/PM15
Strontium	457	182	165	96	95	101	83	95	161	88	<5	mg/kg	TM30/PM15
Titanium	376	1009	900	691	626	659	608	663	882	656	<5	mg/kg	TM30/PM15
Vanadium	22	193	189	134	107	129	118	140	184	123	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	8.4	18.5	17.2	2.6	25.2	14.2	22.2	1.2	3.0	13.4	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	121	96	89	69	40	60	55	62	104	54	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	95	92	95	96	91	86	97	88	78	94	<0	%	TM4/PM8
Natural Moisture Content	48.5	42.2	35.1	0.4	1.2	<0.1	28.3	32.4	35.1	17.3	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	217-219	226-228	235-237	238-240	253-255	265-267	268-270	274-276	283-285	286-288			
Sample ID	BH12 T1	BH12 T5	BH12 T8	BH13 T1	BH13 T7	BH13 T12	BH14 T1	BH14 T3	BH14 T6	BH15 T1			
Depth	0.30-1.50	6.90-9.00	12.00-13.40	0.40-1.50	7.50-9.00	14.60-15.80	0.40-1.50	3.00-4.50	9.80-11.20	0.60-1.30			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Sample Type	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt		None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown		None	PM13/PM0
Other Items	none	water	water	none	none	water	none	water	water	none		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	292-294	295-297	304-306	322-324	334-336	337-339	346-348	358-360	361-363	364-366	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH15 T4	BH15 T5	BH16 T1	BH16 T6	BH16 T10	BH17 T2	BH17 T5	BH17 T9	BH18 T1	BH18 T2			
Depth	4.50-6.00	6.00-7.60	0.60-1.50	7.50-9.00	13.50-14.80	1.50-4.00	7.50-9.00	13.50-14.10	0.80-1.50	1.50-2.70			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Sand	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Antimony	6	9	7	8	8	9	8	7	5	9	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	125.1	175.9	134.9	156.4	137.4	153.5	144.8	122.3	95.1	192.9	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	519	607	398	490	772	543	493	527	267	384	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	92.1	90.7	73.8	94.9	94.6	91.6	86.2	90.7	72.4	92.4	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	18.0	21.6	17.7	24.1	23.6	21.3	24.0	23.4	11.8	19.9	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	97	127	100	111	121	124	112	110	63	116	<1	mg/kg	TM30/PM15
Iron	45600	38760	43020	48070	45900	43900	45270	43580	34630	40620	<20	mg/kg	TM30/PM15
Lead ^{#M}	43	73	41	67	69	60	72	62	18	60	<5	mg/kg	TM30/PM15
Magnesium	3428	3819	3197	4214	4159	3959	4619	4155	2290	3046	<25	mg/kg	TM30/PM15
Manganese ^{#M}	276	236	236	333	285	253	357	311	190	229	<1	mg/kg	TM30/PM15
Mercury ^{#M}	0.4	0.2	0.4	0.5	0.3	0.3	0.6	0.4	0.2	0.5	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	7.2	7.5	6.3	6.7	8.7	8.4	6.2	8.1	5.4	8.1	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	60.7	72.0	59.5	75.6	78.1	70.4	73.1	74.9	40.9	68.9	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	4	6	4	4	5	6	6	4	3	4	<1	mg/kg	TM30/PM15
Strontium	108	149	92	162	158	138	157	137	62	111	<5	mg/kg	TM30/PM15
Titanium	697	824	620	862	853	810	879	835	470	667	<5	mg/kg	TM30/PM15
Vanadium	141	176	130	162	173	164	171	159	73	147	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	14.1	10.0	4.8	12.2	11.8	7.9	18.8	22.7	1.4	3.7	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	65	101	63	93	83	85	108	76	39	86	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	88	92	96	82	91	91	81	91	90	90	<0	%	TM4/PM8
Natural Moisture Content	31.4	37.0	41.1	38.1	35.0	0.4	<0.1	35.3	51.6	38.1	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	292-294	295-297	304-306	322-324	334-336	337-339	346-348	358-360	361-363	364-366			
Sample ID	BH15 T4	BH15 T5	BH16 T1	BH16 T6	BH16 T10	BH17 T2	BH17 T5	BH17 T9	BH18 T1	BH18 T2			
Depth	4.50-6.00	6.00-7.60	0.60-1.50	7.50-9.00	13.50-14.80	1.50-4.00	7.50-9.00	13.50-14.10	0.80-1.50	1.50-2.70			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Sand	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023			
											LOD/LOR	Units	Method No.
Sample Type	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Sand	Clay		None	PM13/PM0
Sample Colour	Dark Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Dark Brown	Medium Brown		None	PM13/PM0
Other Items	stones	water	none	water	stones	none	stones	water	stones	water		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : Solid
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	370-372	373-375	376-378	379-381	385-387	391-393	400-402	403-405	412-414	415-417	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH19 T2	BH20 T1	BH20 T2	BH22 T1	BH22 T3	BH23 T2	BH24 T2	BH25 T1	BH25 T4	BH26 T1			
Depth	2.00-4.00	0.30-1.50	1.50-3.00	0.20-1.50	3.00-4.50	1.50-3.00	2.00-4.10	0.70-1.50	4.50-5.80	0.50-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Antimony	7	5	7	8	9	8	8	6	8	7	<1	mg/kg	TM30/PM15
Arsenic ^{#M}	164.0	74.2	136.8	133.1	196.7	168.5	177.1	90.3	162.9	132.2	<0.5	mg/kg	TM30/PM15
Barium ^{#M}	387	383	476	393	604	395	453	383	562	375	<1	mg/kg	TM30/PM15
Cadmium ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Chromium ^{#M}	58.2	69.9	90.5	84.7	104.9	89.0	92.3	85.0	89.9	78.7	<0.5	mg/kg	TM30/PM15
Cobalt ^{#M}	17.1	14.9	23.6	22.1	27.3	19.8	25.7	21.8	21.4	20.9	<0.5	mg/kg	TM30/PM15
Copper ^{#M}	100	68	111	100	143	114	134	94	111	102	<1	mg/kg	TM30/PM15
Iron	39490	57520 ^{AB}	63140 ^{AB}	50690 ^{AB}	42630	39660	46410	66460 ^{AB}	44590	41120	<20	mg/kg	TM30/PM15
Lead ^{#M}	50	14	45	48	112	70	80	37	64	58	<5	mg/kg	TM30/PM15
Magnesium	2809	3082	3658	3768	3286	2640	2539	2957	2887	2054	<25	mg/kg	TM30/PM15
Manganese ^{#M}	235	455	488	359	169	155	181	380	197	137	<1	mg/kg	TM30/PM15
Mercury ^{#M}	0.3	0.2	0.3	<0.1	<0.1	<0.1	0.1	<0.1	0.3	0.1	<0.1	mg/kg	TM30/PM15
Molybdenum ^{#M}	5.7	5.2	7.2	5.7	9.7	10.6	12.8	6.5	7.4	8.4	<0.1	mg/kg	TM30/PM15
Nickel ^{#M}	60.3	55.5	84.8	76.3	93.4	67.5	88.8	78.6	77.6	70.7	<0.7	mg/kg	TM30/PM15
Selenium ^{#M}	4	2	4	3	6	5	6	2	6	3	<1	mg/kg	TM30/PM15
Strontium	100	63	116	96	182	123	173	98	136	126	<5	mg/kg	TM30/PM15
Titanium	593	517	777	628	891	629	747	643	743	585	<5	mg/kg	TM30/PM15
Vanadium	130	75	135	125	207	148	169	115	161	138	<1	mg/kg	TM30/PM15
Water Soluble Boron ^{#M}	12.6	4.7	18.5	7.9	7.6	16.4	9.9	1.5	9.3	2.0	<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	68	36	89	92	127	74	100	54	89	69	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene ^{#M}	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene ^{#M}	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene [#]	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene ^{#M}	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ^{#M}	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene ^{#M}	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	89	93	100	108	92	93	81	94	94	103	<0	%	TM4/PM8
Natural Moisture Content	34.8	25.5	36.4	39.7	12.2	35.0	26.5	23.7	33.9	33.2	<0.1	%	PM4/PM0

Element Materials Technology

Client Name: SLR Consulting Ltd
 Reference: 425.064852.00001
 Location: Retford Circular Economy Project (RCEP)
 Contact: Matt Logan
 EMT Job No: 23/10769

Report : CEN 10:1 1 Batch
 Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	13-15	49-51	70-72	85-87	112-114	139-141	151-153	172-174	181-183	202-204	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH1 T5	BH3 T5	BH4 T5	BH5 T5	BH6 T6	BH7 T5	BH8 T1	BH9 T5	BH10 T5	BH11 T7			
Depth	6.00-7.00	6.00-6.70	6.00-7.50	6.00-7.50	7.50-9.00	6.00-7.50	0.30-1.50	6.00-7.50	4.30-6.00	7.50-9.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Dissolved Antimony #	0.013	0.016	0.017	0.030	0.024	0.029	0.019	0.022	0.028	0.016	<0.002	mg/l	TM30/PM17
Dissolved Arsenic #	0.0619	0.0593	0.0809	0.0313	0.0631	0.0893	0.0494	0.0503	0.1325	0.0532	<0.0025	mg/l	TM30/PM17
Dissolved Barium #	0.064	0.054	0.050	0.066	0.079	0.088	0.068	0.118	0.054	0.072	<0.003	mg/l	TM30/PM17
Dissolved Boron #	0.580	0.801	0.737	0.714	0.739	1.558	2.589	1.106	0.956	0.956	<0.012	mg/l	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Chromium #	0.0025	0.0040	0.0140	0.0083	0.0159	0.0198	0.0535	0.0143	0.0358	0.0156	<0.0015	mg/l	TM30/PM17
Dissolved Cobalt #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Iron #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/l	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Magnesium #	0.2	0.3	0.9	0.2	1.0	0.6	2.1	0.2	0.5	0.4	<0.1	mg/l	TM30/PM14
Dissolved Manganese #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Mercury #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM30/PM17
Dissolved Molybdenum #	0.037	0.049	0.038	0.019	0.055	0.059	0.078	0.031	0.064	0.107	<0.002	mg/l	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Selenium #	0.017	0.031	0.016	0.027	0.028	0.065	0.024	0.058	0.054	0.049	<0.003	mg/l	TM30/PM17
Dissolved Strontium	132	176	167	131	117	348	238	262	210	254	<5	ug/l	TM30/PM14
Dissolved Strontium	0.132	0.176	0.167	0.131	0.117	0.348	0.238	0.262	0.210	0.254	<0.005	mg/l	TM30/PM17
Dissolved Titanium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM30/PM14
Dissolved Titanium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Vanadium #	0.1005	0.0814	0.1116	0.0794	0.1916	0.2815	0.1038	0.1099	0.1914	0.1137	<0.0015	mg/l	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
PAH MS													
Naphthalene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	mg/l	TM4/PM30
Acenaphthylene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Acenaphthene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Fluorene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Phenanthrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Fluoranthene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(a)anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Chrysene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
Benzo(a)pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Indeno(123cd)pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Dibenzo(ah)anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(ghi)perylene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
PAH 16 Total	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	mg/l	TM4/PM30
Benzo(b)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
PAH Surrogate % Recovery	95	87	71	75	86	89	96	91	85	88	<0	%	TM4/PM30

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

Report : CEN 10:1 1 Batch
Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	226-228	253-255	274-276	295-297	322-324	346-348	364-366	367-369	373-375	379-381	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH12 T5	BH13 T7	BH14 T3	BH15 T5	BH16 T6	BH17 T5	BH18 T2	BH19 T1	BH20 T1	BH22 T1			
Depth	6.90-9.00	7.50-9.00	3.00-4.50	6.00-7.60	7.50-9.00	7.50-9.00	1.50-2.70	0.40-2.00	0.30-1.50	0.20-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clay	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Soil	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
Dissolved Antimony #	0.030	0.005	0.014	0.010	0.018	0.020	0.016	0.005	0.010	0.012	<0.002	mg/l	TM30/PM17
Dissolved Arsenic #	0.0469	0.0544	0.1118	0.1254	0.0687	0.0157	0.6354	0.2277	0.1939	0.1953	<0.0025	mg/l	TM30/PM17
Dissolved Barium #	0.090	0.039	0.067	0.077	0.069	0.068	0.058	0.057	0.050	0.072	<0.003	mg/l	TM30/PM17
Dissolved Boron #	1.341	0.223	1.164	0.716	0.636	0.855	0.143	0.516	0.346	0.427	<0.012	mg/l	TM30/PM17
Dissolved Cadmium #	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM30/PM17
Dissolved Chromium #	0.0120	0.0235	0.0118	0.0162	0.0145	0.0064	0.0164	0.0052	0.0049	0.0046	<0.0015	mg/l	TM30/PM17
Dissolved Cobalt #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Copper #	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	mg/l	TM30/PM17
Dissolved Iron #	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/l	TM30/PM17
Dissolved Lead #	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Magnesium #	0.7	<0.1	4.0	1.8	1.0	0.3	4.6	2.0	6.4	5.1	<0.1	mg/l	TM30/PM14
Dissolved Manganese #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Mercury #	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM30/PM17
Dissolved Molybdenum #	0.050	0.085	0.055	0.051	0.066	0.031	0.022	0.020	0.022	0.016	<0.002	mg/l	TM30/PM17
Dissolved Nickel #	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	mg/l	TM30/PM17
Dissolved Selenium #	0.039	0.065	0.029	0.013	0.034	0.027	0.043	0.031	0.031	0.044	<0.003	mg/l	TM30/PM17
Dissolved Strontium	293	217	272	271	377	305	95	86	79	104	<5	ug/l	TM30/PM14
Dissolved Strontium	0.293	0.217	0.272	0.271	0.377	0.305	0.095	0.086	0.079	0.104	<0.005	mg/l	TM30/PM17
Dissolved Titanium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM30/PM14
Dissolved Titanium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM30/PM17
Dissolved Vanadium #	0.2035	0.0703	0.0563	0.1244	0.0987	0.0720	0.2128	0.1059	0.0596	0.1012	<0.0015	mg/l	TM30/PM17
Dissolved Zinc #	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	mg/l	TM30/PM17
PAH MS													
Naphthalene	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NDP	<0.0001	<0.0001	<0.0001	mg/l	TM4/PM30
Acenaphthylene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Acenaphthene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Fluorene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Phenanthrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Fluoranthene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(a)anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Chrysene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	NDP	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
Benzo(a)pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Indeno(123cd)pyrene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Dibenzo(ah)anthracene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
Benzo(ghi)perylene	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	<0.000005	NDP	<0.000005	<0.000005	<0.000005	mg/l	TM4/PM30
PAH 16 Total	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	<0.000173	NDP	<0.000173	<0.000173	<0.000173	mg/l	TM4/PM30
Benzo(b)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	NDP	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
Benzo(k)fluoranthene	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	<0.000008	NDP	<0.000008	<0.000008	<0.000008	mg/l	TM4/PM30
PAH Surrogate % Recovery	96	92	93	91	89	95	82	NDP	97	84	<0	%	TM4/PM30

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	1-3	13-15	22-24	31-33	37-39	49-51	55-57	58-60	70-72	76-78	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH1 T1	BH1 T5	BH1 T8	BH2 T2	BH3 T1	BH3 T5	BH3 T9	BH4 T1	BH4 T5	BH4 T7			
Depth	0.20-1.50	6.00-7.00	10.50-11.40	1.50-2.90	0.10-1.50	6.00-6.70	12.00-13.50	0.30-1.50	6.00-7.50	9.00-10.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	119	116	119	99	106	108	118	116	113	125	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	116	26 ^{SV}	33 ^{SV}	48 ^{SV}	88 ^{SV}	15 ^{SV}	44 ^{SV}	107	103	62 ^{SV}	<0	%	TM16/PM8

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	79-81	85-87	97-99	100-102	112-114	124-126	127-129	139-141	145-147	151-153	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH5 T3	BH5 T5	BH5 T9	BH6 T1	BH6 T6	BH6 T10	BH7 T1	BH7 T5	BH7 T7	BH8 T1			
Depth	3.00-4.50	6.00-7.50	12.00-15.00	0.10-1.50	7.50-9.00	13.50-15.00	0.50-1.50	6.00-7.50	9.00-10.50	0.30-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clay	Clayey Silt	Clay	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 ⁺	<0.01	<0.01	<0.01 ⁺	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	122	114	115	121	122	124	116	117	116	116	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	56 ^{SV}	5 ^{SV}	40 ^{SV}	106	86	120	77	97	83	96	<0	%	TM16/PM8

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	160-162	163-165	172-174	178-180	181-183	184-186	187-189	190-192	202-204	208-210	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH8 T4	BH9 T1	BH9 T5	BH9 T8	BH10 T5	BH10 T6	BH10 T9	BH11 T3	BH11 T7	BH11 T9			
Depth	4.50-5.60	0.20-1.50	6.00-7.50	10.50-12.00	4.30-6.00	6.00-7.50	10.50-12.00	3.00-4.00	7.50-9.00	10.50-12.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	109	118	113	117	102	115	123	108	112	108	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	33 ^{SV}	72	22 ^{SV}	78	45 ^{SV}	77	50 ^{SV}	24 ^{SV}	74	91	<0	%	TM16/PM8

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	217-219	226-228	235-237	238-240	253-255	265-267	268-270	274-276	283-285	286-288	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH12 T1	BH12 T5	BH12 T8	BH13 T1	BH13 T7	BH13 T12	BH14 T1	BH14 T3	BH14 T6	BH15 T1			
Depth	0.30-1.50	6.90-9.00	12.00-13.40	0.40-1.50	7.50-9.00	14.60-15.80	0.40-1.50	3.00-4.50	9.80-11.20	0.60-1.30			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	0.2	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1	0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01 ⁺	<0.01	<0.01 ⁺	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	119	107	110	113	113	113	119	111	116	117	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	118	66 ^{SV}	85	91	33 ^{SV}	13 ^{SV}	103	90	117	121	<0	%	TM16/PM8

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	292-294	295-297	304-306	322-324	334-336	337-339	346-348	358-360	361-363	364-366	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH15 T4	BH15 T5	BH16 T1	BH16 T6	BH16 T10	BH17 T2	BH17 T5	BH17 T9	BH18 T1	BH18 T2			
Depth	4.50-6.00	6.00-7.60	0.60-1.50	7.50-9.00	13.50-14.80	1.50-4.00	7.50-9.00	13.50-14.10	0.80-1.50	1.50-2.70			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Sand	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	<0.1	<0.1	<0.1	<0.1	0.2	0.1	0.1	0.2	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01	<0.01	<0.01 ⁺	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	118	104	122	120	117	120	110	113	117	103	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	82	104	100	106	96	31 ^{SV}	8 ^{SV}	108	116	86	<0	%	TM16/PM8

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : Solid

EMT Sample No.	370-372	373-375	376-378	379-381	385-387	391-393	400-402	403-405	412-414	415-417	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH19 T2	BH20 T1	BH20 T2	BH22 T1	BH22 T3	BH23 T2	BH24 T2	BH25 T1	BH25 T4	BH26 T1			
Depth	2.00-4.00	0.30-1.50	1.50-3.00	0.20-1.50	3.00-4.50	1.50-3.00	2.00-4.10	0.70-1.50	4.50-5.80	0.50-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dichlorophenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dimethylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,5-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4,6-Trichlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloro-3-methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Methylphenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Pentachlorophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phenol ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
PAHs													
2-Chloronaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Methylnaphthalene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Butylbenzyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-butyl phthalate	0.1	0.2	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Di-n-Octyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Diethyl phthalate	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Dimethyl phthalate ^{#M}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,2,4-Trichlorobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,3-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
1,4-Dichlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,4-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
2,6-Dinitrotoluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
3-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Bromophenylphenylether ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chloroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Chlorophenylphenylether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
4-Nitroaniline	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Azobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Bis(2-chloroethyl)ether	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Carbazole	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Dibenzofuran ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobenzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorobutadiene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachlorocyclopentadiene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Hexachloroethane	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Isophorone ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
N-nitrosodi-n-propylamine ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Nitrobenzene ^{#M}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	115	120	103	125	112	116	107	110	108	116	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	112	121	91	122	82	108	99	107	84	112	<0	%	TM16/PM8

Element Materials Technology

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : CEN 10:1 1 Batch

EMT Sample No.	13-15	49-51	70-72	85-87	112-114	139-141	151-153	172-174	181-183	202-204	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH1 T5	BH3 T5	BH4 T5	BH5 T5	BH6 T6	BH7 T5	BH8 T1	BH9 T5	BH10 T5	BH11 T7			
Depth	6.00-7.00	6.00-6.70	6.00-7.50	6.00-7.50	7.50-9.00	6.00-7.50	0.30-1.50	6.00-7.50	4.30-6.00	7.50-9.00			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Clay	Clayey Silt	Clayey Silt	Clay	Clayey Silt			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4-Dichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4-Dimethylphenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2,4,5-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4,6-Trichlorophenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chloro-3-methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
4-Methylphenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.02 _{AA}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM16/PM30
Pentachlorophenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Phenol	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
PAHs													
2-Chloronaphthalene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Methylnaphthalene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.005	<0.005	<0.005	<0.005	<0.010 _{AA}	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	mg/l	TM16/PM30
Butylbenzyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Di-n-butyl phthalate	<0.0015	<0.0015	<0.0015	<0.0015	<0.0030 _{AA}	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	mg/l	TM16/PM30
Di-n-Octyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Diethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Dimethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Other SVOCs													
1,2-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,2,4-Trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,3-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,4-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2,4-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,6-Dinitrotoluene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
3-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Bromophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chloroaniline	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chlorophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Azobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Bis(2-chloroethyl)ether	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Carbazole	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Dibenzofuran	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachlorocyclopentadiene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachloroethane	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Isophorone	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0010 _{AA}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Nitrobenzene	<0.001	<0.001	<0.001	<0.001	<0.002 _{AA}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	146 ^{SV}	145 ^{SV}	134 ^{SV}	137 ^{SV}	131 ^{SV} _{AA}	130	107	124	141 ^{SV}	137 ^{SV}	<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	158 ^{SV}	159 ^{SV}	151 ^{SV}	146 ^{SV}	144 ^{SV} _{AA}	142 ^{SV}	118	148 ^{SV}	155 ^{SV}	152 ^{SV}	<0	%	TM16/PM30

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : CEN 10:1 1 Batch

EMT Sample No.	226-228	253-255	274-276	295-297	322-324	346-348	364-366	367-369	373-375	379-381	Please see attached notes for all abbreviations and acronyms		
Sample ID	BH12 T5	BH13 T7	BH14 T3	BH15 T5	BH16 T6	BH17 T5	BH18 T2	BH19 T1	BH20 T1	BH22 T1			
Depth	6.90-9.00	7.50-9.00	3.00-4.50	6.00-7.60	7.50-9.00	7.50-9.00	1.50-2.70	0.40-2.00	0.30-1.50	0.20-1.50			
COC No / misc													
Containers	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T	V J T			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Clay	Clayey Silt	Clay	Clayey Silt	Clayey Silt	Clayey Silt	Clay	Soil	Clayey Silt	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023	LOD/LOR	Units	Method No.
SVOC MS													
Phenols													
2-Chlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4-Dichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4-Dimethylphenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2,4,5-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,4,6-Trichlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chloro-3-methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
4-Methylphenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NDP	<0.01	<0.01	<0.01	mg/l	TM16/PM30
Pentachlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Phenol	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
PAHs													
2-Chloronaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Methylnaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Phthalates													
Bis(2-ethylhexyl) phthalate	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NDP	<0.005	<0.005	<0.005	mg/l	TM16/PM30
Butylbenzyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Di-n-butyl phthalate	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	NDP	<0.0015	<0.0015	<0.0015	mg/l	TM16/PM30
Di-n-Octyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Diethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Dimethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Other SVOCs													
1,2-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,2,4-Trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,3-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
1,4-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
2,4-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
2,6-Dinitrotoluene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
3-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Bromophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chloroaniline	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Chlorophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
4-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Azobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Bis(2-chloroethyl)ether	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Carbazole	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Dibenzofuran	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachlorocyclopentadiene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Hexachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Isophorone	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NDP	<0.0005	<0.0005	<0.0005	mg/l	TM16/PM30
Nitrobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NDP	<0.001	<0.001	<0.001	mg/l	TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	115	123	108	101	183 ^{SV}	105	115	NDP	124	128	<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	118	133 ^{SV}	117	107	204 ^{SV}	111	117	NDP	130	131 ^{SV}	<0	%	TM16/PM30

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan
EMT Job No: 23/10769

SVOC Report : CEN 10:1 1 Batch

EMT Sample No.	391-393	400-402	403-405	415-417	427-429											
Sample ID	BH23 T2	BH24 T2	BH25 T1	BH26 T1	BH27 T1											
Depth	1.50-3.00	2.00-4.10	0.70-1.50	0.50-1.50	0.70-1.50											
COC No / misc																
Containers	V J T	V J T	V J T	V J T	V J T											
Sample Date	<>	<>	<>	<>	<>											
Sample Type	Clayey Silt	Clay	Clayey Silt	Clay	Clayey Silt											
Batch Number	1	1	1	1	1											
Date of Receipt	03/07/2023	03/07/2023	03/07/2023	03/07/2023	03/07/2023											
													LOD/LOR	Units	Method No.	
SVOC MS																
Phenols																
2-Chlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
2-Methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
2-Nitrophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
2,4-Dichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
2,4-Dimethylphenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
2,4,5-Trichlorophenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
2,4,6-Trichlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Chloro-3-methylphenol	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
4-Methylphenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Nitrophenol	<0.01	<0.01	<0.01	<0.01	<0.01									<0.01	mg/l	TM16/PM30
Pentachlorophenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Phenol	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
PAHs																
2-Chloronaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
2-Methylnaphthalene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Phthalates																
Bis(2-ethylhexyl) phthalate	<0.005	<0.005	<0.005	<0.005	<0.005									<0.005	mg/l	TM16/PM30
Butylbenzyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Di-n-butyl phthalate	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015									<0.0015	mg/l	TM16/PM30
Di-n-Octyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Diethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Dimethyl phthalate	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Other SVOCs																
1,2-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
1,2,4-Trichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
1,3-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
1,4-Dichlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
2-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
2,4-Dinitrotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
2,6-Dinitrotoluene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
3-Nitroaniline	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Bromophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Chloroaniline	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Chlorophenylphenylether	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
4-Nitroaniline	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Azobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Bis(2-chloroethyl)ether	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Carbazole	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Dibenzofuran	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Hexachlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Hexachlorobutadiene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Hexachlorocyclopentadiene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Hexachloroethane	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Isophorone	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005									<0.0005	mg/l	TM16/PM30
Nitrobenzene	<0.001	<0.001	<0.001	<0.001	<0.001									<0.001	mg/l	TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	105	133 ^{SV}	132 ^{SV}	112	133 ^{SV}									<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	113	141 ^{SV}	144 ^{SV}	129	155 ^{SV}									<0	%	TM16/PM30

Please see attached notes for all abbreviations and acronyms

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

Note:
 Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Asbestos sub-samples are retained for not less than 6 months from the date of analysis unless specifically requested.

The LOQ of the Asbestos Quantification is 0.001% dry fibre of dry mass of sample.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

Where trace asbestos is reported the amount of asbestos will be <0.1%.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH1 T1	0.20-1.50	1	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH1 T3	3.00-4.50	7	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH1 T5	6.00-7.00	13	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH1 T7	9.00-10.50	19	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH1 T8	10.50-11.40	22	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH2 T1	0.10-1.50	28	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH2 T2	1.50-2.90	31	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH3 T1	0.10-1.50	37	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH3 T3	2.40-4.50	43	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH3 T5	6.00-6.70	49	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH3 T9	12.00-13.50	55	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH4 T1	0.30-1.50	58	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH4 T3	3.00-4.50	64	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH4 T5	6.00-7.50	70	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH4 T7	9.00-10.50	76	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH5 T3	3.00-4.50	79	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH5 T5	6.00-7.50	85	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH5 T7	9.00-10.50	91	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH5 T9	12.00-15.00	97	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH5 T9	12.00-15.00	97	Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T1	0.10-1.50	100	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T3	3.00-4.50	106	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T6	7.50-9.00	112	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T7	9.00-10.50	115	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T9	12.00-13.50	121	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH6 T10	13.50-15.00	124	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH7 T1	0.50-1.50	127	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH7 T3	2.60-4.50	133	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH7 T5	6.00-7.50	139	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH7 T7	9.00-10.50	145	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH7 T8	10.50-11.30	148	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH8 T1	0.30-1.50	151	Anthony Carman	13/07/2023	General Description (Bulk Analysis)	Grey Soil
					Anthony Carman	13/07/2023	Asbestos Fibres	NAD
					Anthony Carman	13/07/2023	Asbestos ACM	NAD
					Anthony Carman	13/07/2023	Asbestos Type	NAD
23/10769	1	BH8 T3	3.00-4.50	157	Anthony Carman	13/07/2023	General Description (Bulk Analysis)	Grey Soil
					Anthony Carman	13/07/2023	Asbestos Fibres	Fibre Bundles
					Anthony Carman	13/07/2023	Asbestos ACM	NAD
					Anthony Carman	13/07/2023	Asbestos Type	Chrysotile
23/10769	1	BH8 T4	4.50-5.60	160	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH9 T1	0.20-1.50	163	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH9 T3	3.00-4.50	166	Emily Anderton	13/07/2023	General Description (Bulk Analysis)	Fine sandy, brown soil
					Emily Anderton	13/07/2023	Asbestos Fibres	NAD
					Emily Anderton	13/07/2023	Asbestos ACM	NAD
					Emily Anderton	13/07/2023	Asbestos Type	NAD
23/10769	1	BH9 T5	6.00-7.50	172	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH9 T6	7.50-9.00	175	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH9 T8	10.50-12.00	178	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH10 T5	4.30-6.00	181	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD
23/10769	1	BH10 T6	6.00-7.50	184	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH10 T6	6.00-7.50	184	Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH10 T9	10.50-12.00	187	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH11 T3	3.00-4.00	190	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH11 T5	6.00-6.70	196	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH11 T7	7.50-9.00	202	Emily Anderton	13/07/2023	General Description (Bulk Analysis)	Fine sandy brown soil
					Emily Anderton	13/07/2023	Asbestos Fibres	NAD
					Emily Anderton	13/07/2023	Asbestos ACM	NAD
					Emily Anderton	13/07/2023	Asbestos Type	NAD
23/10769	1	BH11 T9	10.50-12.00	208	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH11 T11	13.50-15.00	214	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH12 T1	0.30-1.50	217	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH12 T3	3.00-4.50	220	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH12 T5	6.90-9.00	226	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH12 T7	10.50-12.00	232	Simon Postlewhite	14/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	14/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	14/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	14/07/2023	Asbestos Type	NAD

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH12 T8	12.00-13.40	235	Catherine Coles	17/07/2023	General Description (Bulk Analysis)	brown dusty soil
					Catherine Coles	17/07/2023	Asbestos Fibres	NAD
					Catherine Coles	17/07/2023	Asbestos ACM	NAD
					Catherine Coles	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T1	0.40-1.50	238	Bart Kuznicki	17/07/2023	General Description (Bulk Analysis)	Brown Sand
					Bart Kuznicki	17/07/2023	Asbestos Fibres	NAD
					Bart Kuznicki	17/07/2023	Asbestos ACM	NAD
					Bart Kuznicki	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T3	3.00-4.50	241	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T5	6.00-6.60	247	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T7	7.50-9.00	253	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T9	10.50-12.00	259	Bart Kuznicki	17/07/2023	General Description (Bulk Analysis)	Brown Sand
					Bart Kuznicki	17/07/2023	Asbestos Fibres	NAD
					Bart Kuznicki	17/07/2023	Asbestos ACM	NAD
					Bart Kuznicki	17/07/2023	Asbestos Type	NAD
23/10769	1	BH13 T12	14.60-15.80	265	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH14 T1	0.40-1.50	268	Bart Kuznicki	17/07/2023	General Description (Bulk Analysis)	Brown Sandn
					Bart Kuznicki	17/07/2023	Asbestos Fibres	NAD
					Bart Kuznicki	17/07/2023	Asbestos ACM	NAD
					Bart Kuznicki	17/07/2023	Asbestos Type	NAD
23/10769	1	BH14 T3	3.00-4.50	274	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH14 T5	6.00-7.50	280	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH14 T6	9.80-11.20	283	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH14 T6	9.80-11.20	283	Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH15 T1	0.60-1.30	286	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH15 T4	4.50-6.00	292	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH15 T5	6.00-7.60	295	Catherine Coles	17/07/2023	General Description (Bulk Analysis)	brown dusty soil
					Catherine Coles	17/07/2023	Asbestos Fibres	NAD
					Catherine Coles	17/07/2023	Asbestos ACM	NAD
					Catherine Coles	17/07/2023	Asbestos Type	NAD
23/10769	1	BH15 T8	10.50-12.00	301	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T1	0.60-1.50	304	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T3	3.00-4.50	310	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T4	4.50-6.00	316	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soi
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T6	7.50-9.00	322	Anthony Carman	17/07/2023	General Description (Bulk Analysis)	Brown Soil
					Anthony Carman	17/07/2023	Asbestos Fibres	NAD
					Anthony Carman	17/07/2023	Asbestos ACM	NAD
					Anthony Carman	17/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T8	9.90-12.00	328	Anthony Carman	17/07/2023	General Description (Bulk Analysis)	Brown Soil
					Anthony Carman	17/07/2023	Asbestos Fibres	NAD
					Anthony Carman	17/07/2023	Asbestos ACM	NAD
					Anthony Carman	17/07/2023	Asbestos Type	NAD
23/10769	1	BH16 T10	13.50-14.80	334	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH17 T2	1.50-4.00	337	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH17 T3	4.00-6.00	340	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH17 T5	7.50-9.00	346	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH17 T7	10.90-11.60	352	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH17 T9	13.50-14.10	358	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH18 T1	0.80-1.50	361	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH18 T2	1.50-2.70	364	Catherine Coles	17/07/2023	General Description (Bulk Analysis)	brown dusty soil
					Catherine Coles	17/07/2023	Asbestos Fibres	NAD
					Catherine Coles	17/07/2023	Asbestos ACM	NAD
					Catherine Coles	17/07/2023	Asbestos Type	NAD
23/10769	1	BH19 T1	0.40-2.00	367	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH19 T2	2.00-4.00	370	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH20 T1	0.30-1.50	373	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH20 T2	1.50-3.00	376	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH20 T2	1.50-3.00	376	Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH22 T1	0.20-1.50	379	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH22 T3	3.00-4.50	385	Simon Postlewhite	17/07/2023	General Description (Bulk Analysis)	Brown soil/stones
					Simon Postlewhite	17/07/2023	Asbestos Fibres	NAD
					Simon Postlewhite	17/07/2023	Asbestos ACM	NAD
					Simon Postlewhite	17/07/2023	Asbestos Type	NAD
23/10769	1	BH23 T2	1.50-3.00	391	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH23 T3	3.00-4.10	394	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brow soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH24 T1	0.30-2.00	397	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD
23/10769	1	BH24 T2	2.00-4.10	400	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH25 T1	0.70-1.50	403	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH25 T3	3.00-4.50	409	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH25 T4	4.50-5.80	412	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH26 T1	0.50-1.50	415	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD

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EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analyst Name	Date Of Analysis	Analysis	Result
23/10769	1	BH26 T2	1.50-3.00	418	Matthew Turner	17/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	17/07/2023	Asbestos Fibres	NAD
					Matthew Turner	17/07/2023	Asbestos ACM	NAD
					Matthew Turner	17/07/2023	Asbestos Type	NAD
23/10769	1	BH26 T4	4.50-5.50	424	Matthew Turner	14/07/2023	General Description (Bulk Analysis)	Brown soil/Stone
					Matthew Turner	14/07/2023	Asbestos Fibres	NAD
					Matthew Turner	14/07/2023	Asbestos ACM	NAD
					Matthew Turner	14/07/2023	Asbestos Type	NAD
23/10769	1	BH27 T1	0.70-1.50	427	Anthony Carman	17/07/2023	General Description (Bulk Analysis)	Brown Soil
					Anthony Carman	17/07/2023	Asbestos Fibres	NAD
					Anthony Carman	17/07/2023	Asbestos ACM	NAD
					Anthony Carman	17/07/2023	Asbestos Type	NAD
23/10769	1	BH27 T3	3.00-4.50	433	Matthew Turner	13/07/2023	General Description (Bulk Analysis)	Brown soil
					Matthew Turner	13/07/2023	Asbestos Fibres	NAD
					Matthew Turner	13/07/2023	Asbestos ACM	NAD
					Matthew Turner	13/07/2023	Asbestos Type	NAD

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Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
23/10769	1	BH1 T1	0.20-1.50	1-3	All analyses	No sampling date given
23/10769	1	BH1 T5	6.00-7.00	13-15	All analyses	No sampling date given
23/10769	1	BH1 T8	10.50-11.40	22-24	All analyses	No sampling date given
23/10769	1	BH2 T2	1.50-2.90	31-33	All analyses	No sampling date given
23/10769	1	BH3 T1	0.10-1.50	37-39	All analyses	No sampling date given
23/10769	1	BH3 T5	6.00-6.70	49-51	All analyses	No sampling date given
23/10769	1	BH3 T9	12.00-13.50	55-57	All analyses	No sampling date given
23/10769	1	BH4 T1	0.30-1.50	58-60	All analyses	No sampling date given
23/10769	1	BH4 T5	6.00-7.50	70-72	All analyses	No sampling date given
23/10769	1	BH4 T7	9.00-10.50	76-78	All analyses	No sampling date given
23/10769	1	BH5 T3	3.00-4.50	79-81	All analyses	No sampling date given
23/10769	1	BH5 T5	6.00-7.50	85-87	All analyses	No sampling date given
23/10769	1	BH5 T9	12.00-15.00	97-99	All analyses	No sampling date given
23/10769	1	BH6 T1	0.10-1.50	100-102	All analyses	No sampling date given
23/10769	1	BH6 T6	7.50-9.00	112-114	All analyses	No sampling date given
23/10769	1	BH6 T10	13.50-15.00	124-126	All analyses	No sampling date given
23/10769	1	BH7 T1	0.50-1.50	127-129	All analyses	No sampling date given
23/10769	1	BH7 T5	6.00-7.50	139-141	All analyses	No sampling date given
23/10769	1	BH7 T7	9.00-10.50	145-147	All analyses	No sampling date given
23/10769	1	BH8 T1	0.30-1.50	151-153	All analyses	No sampling date given
23/10769	1	BH8 T4	4.50-5.60	160-162	All analyses	No sampling date given
23/10769	1	BH9 T1	0.20-1.50	163-165	All analyses	No sampling date given
23/10769	1	BH9 T5	6.00-7.50	172-174	All analyses	No sampling date given

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

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Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
23/10769	1	BH9 T8	10.50-12.00	178-180	All analyses	No sampling date given
23/10769	1	BH10 T5	4.30-6.00	181-183	All analyses	No sampling date given
23/10769	1	BH10 T6	6.00-7.50	184-186	All analyses	No sampling date given
23/10769	1	BH10 T9	10.50-12.00	187-189	All analyses	No sampling date given
23/10769	1	BH11 T3	3.00-4.00	190-192	All analyses	No sampling date given
23/10769	1	BH11 T7	7.50-9.00	202-204	All analyses	No sampling date given
23/10769	1	BH11 T9	10.50-12.00	208-210	All analyses	No sampling date given
23/10769	1	BH12 T1	0.30-1.50	217-219	All analyses	No sampling date given
23/10769	1	BH12 T5	6.90-9.00	226-228	All analyses	No sampling date given
23/10769	1	BH12 T8	12.00-13.40	235-237	All analyses	No sampling date given
23/10769	1	BH13 T1	0.40-1.50	238-240	All analyses	No sampling date given
23/10769	1	BH13 T7	7.50-9.00	253-255	All analyses	No sampling date given
23/10769	1	BH13 T12	14.60-15.80	265-267	All analyses	No sampling date given
23/10769	1	BH14 T1	0.40-1.50	268-270	All analyses	No sampling date given
23/10769	1	BH14 T3	3.00-4.50	274-276	All analyses	No sampling date given
23/10769	1	BH14 T6	9.80-11.20	283-285	All analyses	No sampling date given
23/10769	1	BH15 T1	0.60-1.30	286-288	All analyses	No sampling date given
23/10769	1	BH15 T4	4.50-6.00	292-294	All analyses	No sampling date given
23/10769	1	BH15 T5	6.00-7.60	295-297	All analyses	No sampling date given
23/10769	1	BH16 T1	0.60-1.50	304-306	All analyses	No sampling date given
23/10769	1	BH16 T6	7.50-9.00	322-324	All analyses	No sampling date given
23/10769	1	BH16 T10	13.50-14.80	334-336	All analyses	No sampling date given
23/10769	1	BH17 T2	1.50-4.00	337-339	All analyses	No sampling date given

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Contact: Matt Logan

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
23/10769	1	BH17 T5	7.50-9.00	346-348	All analyses	No sampling date given
23/10769	1	BH17 T9	13.50-14.10	358-360	All analyses	No sampling date given
23/10769	1	BH18 T1	0.80-1.50	361-363	All analyses	No sampling date given
23/10769	1	BH18 T2	1.50-2.70	364-366	All analyses	No sampling date given
23/10769	1	BH19 T2	2.00-4.00	370-372	All analyses	No sampling date given
23/10769	1	BH20 T1	0.30-1.50	373-375	All analyses	No sampling date given
23/10769	1	BH20 T2	1.50-3.00	376-378	All analyses	No sampling date given
23/10769	1	BH22 T1	0.20-1.50	379-381	All analyses	No sampling date given
23/10769	1	BH22 T3	3.00-4.50	385-387	All analyses	No sampling date given
23/10769	1	BH23 T2	1.50-3.00	391-393	All analyses	No sampling date given
23/10769	1	BH24 T2	2.00-4.10	400-402	All analyses	No sampling date given
23/10769	1	BH25 T1	0.70-1.50	403-405	All analyses	No sampling date given
23/10769	1	BH25 T4	4.50-5.80	412-414	All analyses	No sampling date given
23/10769	1	BH26 T1	0.50-1.50	415-417	All analyses	No sampling date given
23/10769	1	BH26 T4	4.50-5.50	424-426	All analyses	No sampling date given
23/10769	1	BH27 T1	0.70-1.50	427-429	All analyses	No sampling date given

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
 Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/10769

SOILS and ASH

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It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 37°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

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The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

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STACK EMISSIONS

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Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x2 Dilution
AB	x5 Dilution

HWOL ACRONYMS AND OPERATORS USED

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	EU_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.

EMT Job No: 23/10769

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEPA 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM14	Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified			AR	Yes

EMT Job No: 23/10769

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
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TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
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TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry); WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP 6010B, Rev.2, Dec.1996; Modified EPA Method 3050B, Rev.2, Dec.1996	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 Second edition (2021)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
NONE	No Method Code	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	

SLR Consulting Ltd
97 Tottenham Court Rd
London
United Kingdom
W1T 4TP



4225



Attention : Matt Logan
Date : 31st July, 2023
Your reference : 425.064852.00001
Our reference : Test Report 23/10769 Batch 1 Schedule C
Location : Retford Circular Economy Project (RCEP)
Date samples received : 3rd July, 2023
Status : Final Report
Issue : 1

One hundred and forty six samples were received for analysis on 3rd July, 2023 of which one was scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:**Paul Boden BSc****Senior Project Manager**

Please include all sections of this report if it is reproduced

Client Name: SLR Consulting Ltd
Reference: 425.064852.00001
Location: Retford Circular Economy Project (RCEP)
Contact: Matt Logan

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 23/10769						

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NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 23/10769

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BLANKS

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NDP	No Determination Possible
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SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
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ME	Matrix Effect
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EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
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_	Operator - underscore to separate acronyms (exception for +).
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MS	Mass Spectrometry.

EMT Job No: 23/10769

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM131	Quantification of Asbestos Fibres and ACM based on HSG 248 Second edition:2021, HSG 264 Second edition:2012, HSE Contract Research Report No.83/1996, MDHS 87:1998, WM3 1st Edition v1.1:2018	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	Yes

ERM has over 160 offices across more than 40 countries and territories worldwide

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