



SOCOTEC

Environmental Chemistry
SOCOTEC UK
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Certificate of Analysis

Project No: 21040734

Client: SOCOTEC Materials Testing

Quote Number: BEC210216118

Project Reference: Parkway Farm

Site Name: Victoria Riverside

Contact: Mark Beastall

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Number of Samples Received: 6

Date Received: 13/04/2021

Analysis Date: 22/04/2021

Date Issued: 22/04/2021

Job Status: Complete

Report Type: Final Version 01

This report supersedes any versions previously issued by the laboratory

Account Manager

Emily Jones

Authorised by the Operations Manager
Becky Batham



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Samples Analysed

<u>Sample Reference</u>	<u>Text ID</u>	<u>Sample Date</u>	<u>Sample Type</u>
Sample 1	21040734-001	08/04/2021 00:00:00	SOLID
Sample 2	21040734-002	08/04/2021 00:00:00	SOLID
Sample 3	21040734-003	08/04/2021 00:00:00	SOLID
Sample 4	21040734-004	08/04/2021 00:00:00	SOLID
Sample 5	21040734-005	08/04/2021 00:00:00	SOLID
Sample 6	21040734-006	08/04/2021 00:00:00	SOLID



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734			
					Sample ID	001	002		003
					Customer ID	Sample 1	Sample 2		Sample 3
					Sample Type	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred					
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		0.04		0.06	0.05
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		0.05		0.02	0.03
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg [^]	N		0.2		0.5	0.2
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg [^]	N		0.0007		0.0003	0.0005
Chloride as Cl	KONENS	10	mg/kg [^]	N		<10		80	30
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		0.02		<0.01	<0.01
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		0.04		<0.01	0.03
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		<0.01		<0.01	<0.01
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg [^]	N		<0.0003		<0.0003	<0.0003
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		0.07		0.18	0.19
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		<0.01		<0.01	<0.01
Phenol Index	SFAPI	0.5	mg/kg [^]	N		<0.5		<0.5	<0.5
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg [^]	N		<0.01		<0.01	<0.01
Total Sulphur as SO ₄	ICPWATVAR (Dissolved)	30	mg/kg [^]	N		1150		8090	1140
TDS as mg/kg	WSLM2 & 3	700	mg/kg [^]	N		2220		9750	2390
Leached Organic Carbon	WSLM13	2	mg/kg [^]	N		37.9		49.9	30.9
Fluoride as F	ISEF	1	mg/kg [^]	N		5		4	9
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg [^]	N		<0.02		<0.02	<0.02
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U		315		1380	339
pH	WSLM2 & 3	1	pH units	U		8.2		7.3	7.5
TDS as mg/l	WSLM2 & 3	70	mg/l	N		223		977	240
ANC	ANC	0.04	mol/kg [^]	N			3.74		4.92
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM			7.5		7.2
Chloride as Cl	KONENS	1	mg/l	U		1		8	3





Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734				
					Sample ID	003	004		005	
					Customer ID	Sample 3	Sample 4		Sample 5	
					Sample Type	SOLID	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.05		0.11	
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.05		0.07	
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N			<0.1		<0.1	
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N			<0.0002		0.0003	
Chloride as Cl	KONENS	10	mg/kg^	N			80		20	
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.06		0.03	
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.15		0.12	
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01		<0.01	
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N			<0.0003		<0.0003	
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N			0.08		0.11	
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01		<0.01	
Phenol Index	SFAPI	0.5	mg/kg^	N			<0.5		<0.5	
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N			<0.01		0.02	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N			609		579	
TDS as mg/kg	WSLM2 & 3	700	mg/kg^	N			2280		1850	
Leached Organic Carbon	WSLM13	2	mg/kg^	N			44.9		54.9	
Fluoride as F	ISEF	1	mg/kg^	N			3		3	
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N			<0.02		<0.02	
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U			322		261	
pH	WSLM2 & 3	1	pH units	U			10.9		10.7	
TDS as mg/l	WSLM2 & 3	70	mg/l	N			228		185	
ANC	ANC	0.04	mol/kg^	N		1.23		1.68		0.73
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM		7.9		10.1		9.9
Chloride as Cl	KONENS	1	mg/l	U			8		2	



Analysis Results

					Project ID	21040734	
					Sample ID	006	
					Customer ID	Sample 6	
					Sample Type	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred			
Antimony as Sb	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.09		
Arsenic as As	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.03		
Barium as Ba	ICPWATVAR (Dissolved)	0.1	mg/kg^	N	0.2		
Cadmium as Cd	ICPMSW (Dissolved)	0.0002	mg/kg^	N	<0.0002		
Chloride as Cl	KONENS	10	mg/kg^	N	70		
Total Chromium as Cr	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.08		
Copper as Cu	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.09		
Lead as Pb	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01		
Mercury as Hg	ICPMSW (Dissolved)	0.0003	mg/kg^	N	<0.0003		
Molybdenum as Mo	ICPMSW (Dissolved)	0.01	mg/kg^	N	0.13		
Nickel as Ni	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01		
Phenol Index	SFAPI	0.5	mg/kg^	N	<0.5		
Selenium as Se	ICPMSW (Dissolved)	0.01	mg/kg^	N	<0.01		
Total Sulphur as SO4	ICPWATVAR (Dissolved)	30	mg/kg^	N	2320		
TDS as mg/kg	WSLM2 & 3	700	mg/kg^	N	3510		
Leached Organic Carbon	WSLM13	2	mg/kg^	N	41.9		
Fluoride as F	ISEF	1	mg/kg^	N	3		
Zinc as Zn	ICPMSW (Dissolved)	0.02	mg/kg^	N	<0.02		
Conductivity at 25°C	WSLM2 & 3	100	µS/cm	U	497		
pH	WSLM2 & 3	1	pH units	U	10.4		
TDS as mg/l	WSLM2 & 3	70	mg/l	N	352		
ANC	ANC	0.04	mol/kg^	N		3.52	
pH (2.5:1 extraction)	PHSOIL	1	pH units	UM		9.8	
Chloride as Cl	KONENS	1	mg/l	U	7		



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID 21040734				
					Sample ID 001		Sample ID 002		Sample ID 003
					Customer ID Sample 1		Customer ID Sample 2		Customer ID Sample 3
					Sample Type LPL	Sample Type SOLID	Sample Type LPL	Sample Type SOLID	Sample Type LPL
					Sampling Date 08/04/2021	Sampling Date 08/04/2021	Sampling Date 08/04/2021	Sampling Date 08/04/2021	Sampling Date 08/04/2021
Analysis	Method Code	MDL	Units	Accred					
Phenol Index	SFAPI	0.05	mg/l	U	<0.05		<0.05		<0.05
Fluoride as F	ISEF	0.1	mg/l	U	0.5		0.4		0.9
Total Organic Carbon	WSLM59	0.02	% m/m^	U		1.18		3.30	
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N		2.8		5.5	
Leached Organic Carbon	WSLM13	0.2	mg/l	U	3.8		5.0		3.1
Antimony as Sb	ICPMSS	0.1	mg/kg	U		0.8		2.4	
Arsenic as As	ICPMSS	0.3	mg/kg	U		4.2		8.7	
Cadmium as Cd	ICPMSS	0.1	mg/kg	U		0.2		0.5	
Copper as Cu	ICPMSS	0.5	mg/kg	U		98.1		40.4	
Lead as Pb	ICPMSS	0.5	mg/kg	U		61.4		129.2	
Mercury as Hg	ICPMSS	0.1	mg/kg	U		<0.1		0.2	
Molybdenum as Mo	ICPMSS	0.5	mg/kg	U		0.7		3.0	
Nickel as Ni	ICPMSS	0.5	mg/kg	U		27.4		22.5	
Selenium as Se	ICPMSS	0.5	mg/kg	U		<0.5		<0.5	
Total Chromium as Cr	ICPMSS	0.5	mg/kg	U		12.9		17.9	
Zinc as Zn	ICPMSS	3	mg/kg	U		93.1		140.8	
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U	0.004		0.006		0.005
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U	0.005		0.002		0.003
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	0.00007		0.00003		0.00005
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U	0.002		<0.001		<0.001
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	0.004		0.001		0.003
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001		<0.001		<0.001
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U	<0.00003		<0.00003		<0.00003
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U	0.007		0.018		0.019



Analysis Results

					Project ID	21040734				
					Sample ID	003	004		005	
					Customer ID	Sample 3	Sample 4		Sample 5	
					Sample Type	SOLID	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Phenol Index	SFAPI	0.05	mg/l	U			<0.05		<0.05	
Fluoride as F	ISEF	0.1	mg/l	U			0.3		0.3	
Total Organic Carbon	WSLM59	0.02	% m/m^	U		5.56		2.06		1.45
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N		6.6		4.6		3.1
Leached Organic Carbon	WSLM13	0.2	mg/l	U			4.5		5.5	
Antimony as Sb	ICPMSS	0.1	mg/kg	U		3.0		8.0		5.6
Arsenic as As	ICPMSS	0.3	mg/kg	U		21.6		10.0		7.7
Cadmium as Cd	ICPMSS	0.1	mg/kg	U		0.4		0.7		0.5
Copper as Cu	ICPMSS	0.5	mg/kg	U		383.9		48.0		34.4
Lead as Pb	ICPMSS	0.5	mg/kg	U		210.6		156.4		110.1
Mercury as Hg	ICPMSS	0.1	mg/kg	U		0.3		0.4		0.4
Molybdenum as Mo	ICPMSS	0.5	mg/kg	U		2.6		1.2		0.7
Nickel as Ni	ICPMSS	0.5	mg/kg	U		43.3		19.5		17.3
Selenium as Se	ICPMSS	0.5	mg/kg	U		<0.5		<0.5		<0.5
Total Chromium as Cr	ICPMSS	0.5	mg/kg	U		26.6		21.6		18.0
Zinc as Zn	ICPMSS	3	mg/kg	U		271.2		163.9		196.9
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U			0.005		0.011	
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U			0.005		0.007	
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U			<0.00002		0.00003	
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U			0.006		0.003	
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U			0.015		0.012	
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U			<0.001		<0.001	
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U			<0.00003		<0.00003	
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U			0.008		0.011	

Analysis Results

					Project ID	21040734	
					Sample ID	006	
					Customer ID	Sample 6	
					Sample Type	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred			
Phenol Index	SFAPI	0.05	mg/l	U	<0.05		
Fluoride as F	ISEF	0.1	mg/l	U	0.3		
Total Organic Carbon	WSLM59	0.02	% m/m^	U	1.89		
LOI @ 450°C	LOI(%MM)	0.2	% m/m^	N	3.8		
Leached Organic Carbon	WSLM13	0.2	mg/l	U	4.2		
Antimony as Sb	ICPMSS	0.1	mg/kg	U	1.4		
Arsenic as As	ICPMSS	0.3	mg/kg	U	6.8		
Cadmium as Cd	ICPMSS	0.1	mg/kg	U	0.5		
Copper as Cu	ICPMSS	0.5	mg/kg	U	26.2		
Lead as Pb	ICPMSS	0.5	mg/kg	U	68.8		
Mercury as Hg	ICPMSS	0.1	mg/kg	U	0.2		
Molybdenum as Mo	ICPMSS	0.5	mg/kg	U	1.1		
Nickel as Ni	ICPMSS	0.5	mg/kg	U	15.4		
Selenium as Se	ICPMSS	0.5	mg/kg	U	<0.5		
Total Chromium as Cr	ICPMSS	0.5	mg/kg	U	17.5		
Zinc as Zn	ICPMSS	3	mg/kg	U	100.3		
Antimony as Sb	ICPMSW (Dissolved)	0.001	mg/l	U	0.009		
Arsenic as As	ICPMSW (Dissolved)	0.001	mg/l	U	0.003		
Cadmium as Cd	ICPMSW (Dissolved)	0.00002	mg/l	U	<0.00002		
Total Chromium as Cr	ICPMSW (Dissolved)	0.001	mg/l	U	0.008		
Copper as Cu	ICPMSW (Dissolved)	0.001	mg/l	U	0.009		
Lead as Pb	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001		
Mercury as Hg	ICPMSW (Dissolved)	0.00003	mg/l	U	<0.00003		
Molybdenum as Mo	ICPMSW (Dissolved)	0.001	mg/l	U	0.013		

Analysis Results

					Project ID	21040734				
					Sample ID	001	002		003	
					Customer ID	Sample 1	Sample 2		Sample 3	
					Sample Type	LPL	SOLID	LPL	SOLID	LPL
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U		<0.001		0.001		<0.001
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U		0.001		<0.001		<0.001
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U		<0.002		0.002		<0.002
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U		0.02		0.05		0.02
Total Sulphur as SO ₄	ICPWATVAR (Dissolved)	3	mg/l	U		115		811		114
Benzene	BTEXHSA	0.01	mg/kg ^A	UM			<0.012		<0.012	
Ethylbenzene	BTEXHSA	0.01	mg/kg ^A	UM			<0.012		<0.012	
m/p-Xylene	BTEXHSA	0.02	mg/kg ^A	UM			<0.024		<0.024	
o-Xylene	BTEXHSA	0.01	mg/kg ^A	UM			<0.012		<0.012	
Toluene	BTEXHSA	0.01	mg/kg ^A	UM			<0.012		<0.012	
Total BTEX	BTEXHSA	0.06	mg/kg ^A	UM			<0.073		<0.072	
Acenaphthene	PAHMSUS	0.08	mg/kg ^A	UM			<0.10		0.20	
Acenaphthylene	PAHMSUS	0.08	mg/kg ^A	U			<0.10		<0.10	
Anthracene	PAHMSUS	0.08	mg/kg ^A	U			0.24		0.44	
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg ^A	UM			1.40		1.70	
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg ^A	UM			1.32		1.75	
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg ^A	UM			1.50		2.05	
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg ^A	UM			0.50		0.78	
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg ^A	UM			0.55		0.69	
Chrysene	PAHMSUS	0.08	mg/kg ^A	UM			1.11		1.33	
Coronene	PAHMSUS	0.08	mg/kg ^A	N			0.11		0.18	
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg ^A	UM			0.14		0.21	
Fluoranthene	PAHMSUS	0.08	mg/kg ^A	UM			2.41		3.42	
Fluorene	PAHMSUS	0.08	mg/kg ^A	UM			<0.10		0.14	

Analysis Results

					Project ID	21040734				
					Sample ID	003	004		005	
					Customer ID	Sample 3	Sample 4		Sample 5	
					Sample Type	SOLID	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U			0.001		0.001	
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U			0.001		0.002	
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U			<0.002		<0.002	
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U			<0.01		<0.01	
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U			61		58	
Benzene	BTEXHSA	0.01	mg/kg^	UM		<0.012		<0.012		<0.012
Ethylbenzene	BTEXHSA	0.01	mg/kg^	UM		<0.012		<0.012		<0.012
m/p-Xylene	BTEXHSA	0.02	mg/kg^	UM		<0.025		<0.024		<0.023
o-Xylene	BTEXHSA	0.01	mg/kg^	UM		<0.012		<0.012		<0.012
Toluene	BTEXHSA	0.01	mg/kg^	UM		<0.012		<0.012		<0.012
Total BTEX	BTEXHSA	0.06	mg/kg^	UM		<0.074		<0.072		<0.069
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		7.87		0.84		2.18
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		0.19		<0.10		<0.09
Anthracene	PAHMSUS	0.08	mg/kg^	U		10.7		1.33		3.05
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		26.0		3.35		4.95
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		24.3		2.90		4.14
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		28.7		3.39		4.63
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		11.8		1.20		1.69
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		9.93		1.23		1.56
Chrysene	PAHMSUS	0.08	mg/kg^	UM		19.3		2.59		3.87
Coronene	PAHMSUS	0.08	mg/kg^	N		3.00		0.27		0.40
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		3.35		0.36		0.48
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		48.8		7.10		11.0
Fluorene	PAHMSUS	0.08	mg/kg^	UM		5.70		0.52		1.81



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734	
					Sample ID	006	
					Customer ID	Sample 6	
					Sample Type	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred			
Nickel as Ni	ICPMSW (Dissolved)	0.001	mg/l	U	0.001		
Selenium as Se	ICPMSW (Dissolved)	0.001	mg/l	U	<0.001		
Zinc as Zn	ICPMSW (Dissolved)	0.002	mg/l	U	<0.002		
Barium as Ba	ICPWATVAR (Dissolved)	0.01	mg/l	U	0.02		
Total Sulphur as SO4	ICPWATVAR (Dissolved)	3	mg/l	U	232		
Benzene	BTEXHSA	0.01	mg/kg^	UM		<0.012	
Ethylbenzene	BTEXHSA	0.01	mg/kg^	UM		<0.012	
m/p-Xylene	BTEXHSA	0.02	mg/kg^	UM		<0.023	
o-Xylene	BTEXHSA	0.01	mg/kg^	UM		<0.012	
Toluene	BTEXHSA	0.01	mg/kg^	UM		<0.012	
Total BTEX	BTEXHSA	0.06	mg/kg^	UM		<0.070	
Acenaphthene	PAHMSUS	0.08	mg/kg^	UM		0.29	
Acenaphthylene	PAHMSUS	0.08	mg/kg^	U		<0.09	
Anthracene	PAHMSUS	0.08	mg/kg^	U		0.45	
Benzo[a]anthracene	PAHMSUS	0.08	mg/kg^	UM		1.22	
Benzo[a]pyrene	PAHMSUS	0.08	mg/kg^	UM		1.24	
Benzo[b]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		1.41	
Benzo[g,h,i]perylene	PAHMSUS	0.08	mg/kg^	UM		0.60	
Benzo[k]fluoranthene	PAHMSUS	0.08	mg/kg^	UM		0.48	
Chrysene	PAHMSUS	0.08	mg/kg^	UM		0.94	
Coronene	PAHMSUS	0.08	mg/kg^	N		0.16	
Dibenzo[a,h]anthracene	PAHMSUS	0.08	mg/kg^	UM		0.15	
Fluoranthene	PAHMSUS	0.08	mg/kg^	UM		2.32	
Fluorene	PAHMSUS	0.08	mg/kg^	UM		0.17	





Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734				
					Sample ID	001	002		003	
					Customer ID	Sample 1	Sample 2		Sample 3	
					Sample Type	LPL	SOLID	LPL	SOLID	LPL
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg [^]	UM			0.62		0.87	
Naphthalene	PAHMSUS	0.08	mg/kg [^]	UM			<0.10		0.15	
Phenanthrene	PAHMSUS	0.08	mg/kg [^]	UM			0.91		1.69	
Pyrene	PAHMSUS	0.08	mg/kg [^]	UM			2.33		3.14	
Total PAH 16	PAHMSUS	1.28	mg/kg [^]	U			13.4		18.6	
Total PAH 17	PAHMSUS	1.36	mg/kg [^]	N			<13.5		<18.8	
PCB 101	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 118	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 138	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 153	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 180	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 28	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
PCB 52	PCBECD	0.005	mg/kg [^]	UM			<0.006		<0.006	
Total PCB 7 Congeners	PCBECD	0.035	mg/kg [^]	UM			<0.043		<0.042	
>C10-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg [^]	U			192		340	
Total TPH >C8-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg [^]	UM			192		340	
Total Moisture at 105°C	TMSS	0.1	%	U			17.7		17.1	
Total Moisture at 35°C	CLANDPREP	0.1	%	N			15.5		15.0	
Colour of Material	CLANDPREP		-	N			Brown		Brown	
Major Constituents	CLANDPREP		-	N			SAND		SILT	
Minor Constituents	CLANDPREP		-	N			Clay		Clay	
Miscellaneous Constituents	CLANDPREP		-	N			Gravel		Gravel	
Equivalent Weight of Dry Material (kg)	Leachate Preparation CEN 10:1		kg	N			0.090		0.090	
Fraction above 4mm (%)	Leachate Preparation CEN 10:1		%	N			78.8		0	



Analysis Results

					Project ID	21040734				
					Sample ID	003	004		005	
					Customer ID	Sample 3	Sample 4		Sample 5	
					Sample Type	SOLID	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		14.7		1.49		2.06
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		2.65		0.11		1.57
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		33.0		5.81		12.4
Pyrene	PAHMSUS	0.08	mg/kg^	UM		43.3		6.69		9.70
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		300		39.0		65.2
Total PAH 17	PAHMSUS	1.36	mg/kg^	N		303		<39.3		<65.6
PCB 101	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 118	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 138	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 153	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 180	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 28	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
PCB 52	PCBECD	0.005	mg/kg^	UM		<0.006		<0.006		<0.006
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM		<0.043		<0.042		<0.040
>C10-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg^	U		231		434		1120
Total TPH >C8-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg^	UM		231		434		1120
Total Moisture at 105°C	TMSS	0.1	%	U		18.7		16.3		12.8
Total Moisture at 35°C	CLANDPREP	0.1	%	N		16.5		14.3		11.8
Colour of Material	CLANDPREP		-	N		Brown		Brown		Brown
Major Constituents	CLANDPREP		-	N		SILT		MADE GROUND		SILT
Minor Constituents	CLANDPREP		-	N		Clay		None		Sand
Miscellaneous Constituents	CLANDPREP		-	N		Gravel		na		Gravel
Equivalent Weight of Dry Material (kg)	Leachate Preparation CEN 10:1		kg	N		0.090		0.090		0.090
Fraction above 4mm (%)	Leachate Preparation CEN 10:1		%	N		60.8		88.9		100

Analysis Results

					Project ID	21040734	
					Sample ID	006	
					Customer ID	Sample 6	
					Sample Type	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred			
Indeno[1,2,3-cd]pyrene	PAHMSUS	0.08	mg/kg^	UM		0.60	
Naphthalene	PAHMSUS	0.08	mg/kg^	UM		0.13	
Phenanthrene	PAHMSUS	0.08	mg/kg^	UM		1.37	
Pyrene	PAHMSUS	0.08	mg/kg^	UM		2.33	
Total PAH 16	PAHMSUS	1.28	mg/kg^	U		13.8	
Total PAH 17	PAHMSUS	1.36	mg/kg^	N		<13.9	
PCB 101	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 118	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 138	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 153	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 180	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 28	PCBECD	0.005	mg/kg^	UM		<0.006	
PCB 52	PCBECD	0.005	mg/kg^	UM		<0.006	
Total PCB 7 Congeners	PCBECD	0.035	mg/kg^	UM		<0.041	
>C10-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg^	U		1030	
Total TPH >C8-C40 (Aliphatic)	TPHFIDUS (Aliphatic)	20	mg/kg^	UM		1030	
Total Moisture at 105°C	TMSS	0.1	%	U		13.7	
Total Moisture at 35°C	CLANDPREP	0.1	%	N		11.6	
Colour of Material	CLANDPREP		-	N		Brown	
Major Constituents	CLANDPREP		-	N		MADE GROUND	
Minor Constituents	CLANDPREP		-	N		None	
Miscellaneous Constituents	CLANDPREP		-	N		na	
Equivalent Weight of Dry Material (kg)	Leachate Preparation CEN 10:1		kg	N		0.090	
Fraction above 4mm (%)	Leachate Preparation CEN 10:1		%	N		81.0	



Client: SOCOTEC Materials Testing
 Project Name: Victoria Riverside
 Project No: 21040734
 Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734				
					Sample ID	001	002		003	
					Customer ID	Sample 1	Sample 2		Sample 3	
					Sample Type	LPL	SOLID	LPL	SOLID	LPL
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Fraction of non-crushable material (%)	Leachate Preparation CEN 10:1		%	N			0		0	
Volume of Water for 10:1 Leach (ltr)	Leachate Preparation CEN 10:1		l	N			0.884		0.885	
Weight of Sample Leached (kg)	Leachate Preparation CEN 10:1		kg	N			0.106		0.105	
WAC Report	WAC		-	N			See Attached		See Attached	





Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734				
					Sample ID	003	004		005	
					Customer ID	Sample 3	Sample 4		Sample 5	
					Sample Type	SOLID	LPL	SOLID	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred						
Fraction of non-crushable material (%)	Leachate Preparation CEN 10:1		%	N		0		0		0
Volume of Water for 10:1 Leach (ltr)	Leachate Preparation CEN 10:1		l	N		0.883		0.886		0.889
Weight of Sample Leached (kg)	Leachate Preparation CEN 10:1		kg	N		0.107		0.104		0.101
WAC Report	WAC		-	N		See Attached		See Attached		See Attached





Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Analysis Results

					Project ID	21040734	
					Sample ID	006	
					Customer ID	Sample 6	
					Sample Type	LPL	SOLID
					Sampling Date	08/04/2021	08/04/2021
Analysis	Method Code	MDL	Units	Accred			
Fraction of non-crushable material (%)	Leachate Preparation CEN 10:1		%	N			0
Volume of Water for 10:1 Leach (ltr)	Leachate Preparation CEN 10:1		l	N			0.888
Weight of Sample Leached (kg)	Leachate Preparation CEN 10:1		kg	N			0.102
WAC Report	WAC		-	N			See Attached



WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-001	Sample 1	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.106
Moisture content @ 105°C (% Wet Weight)	14.8
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.884
Fraction of sample above 4mm %	78.8
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.18	3	5	6
N	LOI450	Loss on Ignition (%)	2.8			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.073	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.043	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	192	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<13.5	100		
UM	PHSOIL	pH (pH Units)	7.5		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	3.74		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	8.2				
U	WSLM2**	Conductivity (µS/cm)	315				
U	ICPMSW	Arsenic	0.005	0.05	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	0.00007	0.0007	0.04	1	5
U	ICPMSW	Chromium	0.002	0.02	0.5	10	70
U	ICPMSW	Copper	0.004	0.04	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.007	0.07	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.004	0.04	0.06	0.7	5
U	ICPMSW	Selenium	0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	1	<10	800	15000	25000
U	ISEF	Fluoride	0.5	5	10	150	500
U	ICPWATVAR	Sulphate as SO4	115	1150	1000	20000	50000
N	WSLM27	Total Dissolved Solids	223	2220	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	3.8	37.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-002	Sample 2	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.105
Moisture content @ 105°C (% Wet Weight)	14.2
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.885
Fraction of sample above 4mm %	0
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	3.30	3	5	6
N	LOI450	Loss on Ignition (%)	5.5			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.072	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.042	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	340	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<18.8	100		
UM	PHSOIL	pH (pH Units)	7.2		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	4.92		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	7.3				
U	WSLM2**	Conductivity (µS/cm)	1380				
U	ICPMSW	Arsenic	0.002	0.02	0.5	2	25
U	ICPWATVAR	Barium	0.05	0.5	20	100	300
U	ICPMSW	Cadmium	0.00003	0.0003	0.04	1	5
U	ICPMSW	Chromium	<0.001	<0.01	0.5	10	70
U	ICPMSW	Copper	0.001	<0.01	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.018	0.18	0.5	10	30
U	ICPMSW	Nickel	0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.006	0.06	0.06	0.7	5
U	ICPMSW	Selenium	<0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	0.002	<0.02	4	50	200
U	KONENS	Chloride	8	80	800	15000	25000
U	ISEF	Fluoride	0.4	4	10	150	500
U	ICPWATVAR	Sulphate as SO4	811	8090	1000	20000	50000
N	WSLM27	Total Dissolved Solids	977	9750	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	5.0	49.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-003	Sample 3	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.107
Moisture content @ 105°C (% Wet Weight)	16.2
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.883
Fraction of sample above 4mm %	60.8
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	5.56	3	5	6
N	LOI450	Loss on Ignition (%)	6.6			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.074	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.043	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	231	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	303	100		
UM	PHSOIL	pH (pH Units)	7.9		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	1.23		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	7.5				
U	WSLM2**	Conductivity (µS/cm)	339				
U	ICPMSW	Arsenic	0.003	0.03	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	0.00005	0.0005	0.04	1	5
U	ICPMSW	Chromium	<0.001	<0.01	0.5	10	70
U	ICPMSW	Copper	0.003	0.03	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.019	0.19	0.5	10	30
U	ICPMSW	Nickel	<0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.005	0.05	0.06	0.7	5
U	ICPMSW	Selenium	<0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	3	30	800	15000	25000
U	ISEF	Fluoride	0.9	9	10	150	500
U	ICPWATVAR	Sulphate as SO4	114	1140	1000	20000	50000
N	WSLM27	Total Dissolved Solids	240	2390	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	3.1	30.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-004	Sample 4	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.104
Moisture content @ 105°C (% Wet Weight)	13.8
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.886
Fraction of sample above 4mm %	88.9
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	2.06	3	5	6
N	LOI450	Loss on Ignition (%)	4.6			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.072	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.042	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	434	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<39.3	100		
UM	PHSOIL	pH (pH Units)	10.1		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	1.68		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	10.9				
U	WSLM2**	Conductivity (µS/cm)	322				
U	ICPMSW	Arsenic	0.005	0.05	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.006	0.06	0.5	10	70
U	ICPMSW	Copper	0.015	0.15	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.008	0.08	0.5	10	30
U	ICPMSW	Nickel	0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.005	0.05	0.06	0.7	5
U	ICPMSW	Selenium	0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	8	80	800	15000	25000
U	ISEF	Fluoride	0.3	3	10	150	500
U	ICPWATVAR	Sulphate as SO4	61	609	1000	20000	50000
N	WSLM27	Total Dissolved Solids	228	2280	4000	60000	100000
U	SFAPI	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	4.5	44.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-005	Sample 5	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.101
Moisture content @ 105°C (% Wet Weight)	10.5
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.889
Fraction of sample above 4mm %	100
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.45	3	5	6
N	LOI450	Loss on Ignition (%)	3.1			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.069	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.040	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	1120	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<65.6	100		
UM	PHSOIL	pH (pH Units)	9.9		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	0.73		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	10.7				
U	WSLM2**	Conductivity (µS/cm)	261				
U	ICPMSW	Arsenic	0.007	0.07	0.5	2	25
U	ICPWATVAR	Barium	<0.01	<0.1	20	100	300
U	ICPMSW	Cadmium	0.00003	0.0003	0.04	1	5
U	ICPMSW	Chromium	0.003	0.03	0.5	10	70
U	ICPMSW	Copper	0.012	0.12	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.011	0.11	0.5	10	30
U	ICPMSW	Nickel	0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.011	0.11	0.06	0.7	5
U	ICPMSW	Selenium	0.002	0.02	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	2	20	800	15000	25000
U	ISEF	Fluoride	0.3	3	10	150	500
U	ICPWATVAR	Sulphate as SO4	58	579	1000	20000	50000
N	WSLM27	Total Dissolved Solids	185	1850	4000	60000	100000
U	SFAP1	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	5.5	54.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING
BSFN 12457/2

Client	SOCOTEC Materials Testing	
Site	Victoria Riverside	
Project	21040734	
Sample No	Sample Description	Issue Date
21040734-006	Sample 6	22/04/2021

Leaching Data	
Weight of Sample (kg)	0.102
Moisture content @ 105°C (% Wet Weight)	11.5
Equivalent weight based on drying @ 105°C (kg)	0.090
Volume of Water required for 10:1 stage (litres)	0.888
Fraction of sample above 4mm %	81.0
Fraction of non-crushable material %	0

Note: The >4mm fraction is crushed using a disc mill

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM59	Total Organic Carbon (% M/M)	1.89	3	5	6
N	LOI450	Loss on Ignition (%)	3.8			10
UM	BTEXHSA	Sum of BTEX (mg/kg)	<0.070	6		
UM	PCBUSECD	Sum of 7 Congener PCBs (mg/kg)	<0.041	1		
U	TPHFIDUS	Mineral Oil (mg/kg)	1030	500		
N	PAHMSUS	Sum of 17 PAHs (mg/kg)	<13.9	100		
UM	PHSOIL	pH (pH Units)	9.8		>6	
N	ANC	Acid Neutralisation Capacity (mol/kg)	3.52		To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	10:1 Single Stage Leachate	Cumulative Amount Leached at 10:1	Landfill Waste Acceptance Criteria Limit Values		
			mg/l except **	mg/kg (dry wt)	Inert Waste Landfill	Stable Non-Reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
U	WSLM3**	pH (pH Units)	10.4				
U	WSLM2**	Conductivity (µS/cm)	497				
U	ICPMSW	Arsenic	0.003	0.03	0.5	2	25
U	ICPWATVAR	Barium	0.02	0.2	20	100	300
U	ICPMSW	Cadmium	<0.00002	<0.0002	0.04	1	5
U	ICPMSW	Chromium	0.008	0.08	0.5	10	70
U	ICPMSW	Copper	0.009	0.09	2	50	100
U	ICPMSW	Mercury	<0.00003	<0.0003	0.01	0.2	2
U	ICPMSW	Molybdenum	0.013	0.13	0.5	10	30
U	ICPMSW	Nickel	0.001	<0.01	0.4	10	40
U	ICPMSW	Lead	<0.001	<0.01	0.5	10	50
U	ICPMSW	Antimony	0.009	0.09	0.06	0.7	5
U	ICPMSW	Selenium	<0.001	<0.01	0.1	0.5	7
U	ICPMSW	Zinc	<0.002	<0.02	4	50	200
U	KONENS	Chloride	7	70	800	15000	25000
U	ISEF	Fluoride	0.3	3	10	150	500
U	ICPWATVAR	Sulphate as SO4	232	2320	1000	20000	50000
N	WSLM27	Total Dissolved Solids		3510	4000	60000	100000
U	SFAP1	Phenol Index	<0.05	<0.5	1		
U	WSLM13	Dissolved Organic Carbon	4.2	41.9	500	800	1000

Tests where the accreditation is set to U are UKAS accredited, those where the accreditation is set to N are not UKAS accredited.

Calculated data is not UKAS accredited

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Deviating Sample Report

Sample Reference	Text ID	Reported Name	Incorrect Container	Incorrect Label	Headspace	Incorrect/No Preservative	No Sampling Date	Holding Time
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Analysis Method

<u>Analysis</u>	<u>Analysis Type</u>	<u>Analysis Method</u>
ANC	INORGANIC	Air Dried & Ground
BTEXHSA	ORGANIC	As Received
CLANDPREP	PHYS	As Received
ICPMSS	METALS	Air Dried & Ground
ICPMSW (Dissolved)	CHEM	
ICPWATVAR (Dissolved)	CHEM	
ISEF	CHEM	
KONENS	CHEM	Filtered
Leachate Preparation CEN 10:1	PHYS	As Received
LOI(%MM)	INORGANIC	Air Dried & Ground
PAHMSUS	ORGANIC	As Received
PCBECD	ORGANIC	As Received
PHSOIL	INORGANIC	As Received
SFAP1	CHEM	
TMSS	PHYS	As Received
TPHFIDUS (Aliphatic)	ORGANIC	As Received
WAC	GENERAL	
WSLM13	CHEM	
WSLM2 & 3	CHEM	
WSLM59	INORGANIC	Air Dried & Ground



Client: SOCOTEC Materials Testing

Project Name: Victoria Riverside

Project No: 21040734

Date Issued: 22/04/2021

Additional Information

This report refers to samples as received, and SOCOTEC Uk Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

In the accreditation column of analysis report the codes are as follows:

- U = UKAS accredited analysis
- M = MCERT accredited analysis
- N = Unaccredited analysis

Any units marked with ^ signify results are reported on a dry weight basis of 105° c

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full and with approval from the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any samples marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with ‡ have had MCERTS accreditation removed for this result

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

- IS = Insufficient Sample to complete analysis
- NA = Sample is not amenable for the required analysis
- ND = Results cannot be determined

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the Subcontracted lab for information regarding any deviancies for this analysis.

End of Certificate of Analysis