



CONCEPT LIFE SCIENCES
DELIVERING SCIENCE

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Concept Life Sciences

Certificate of Analysis

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Report Number: 821695-1 Report C

Date of Report: 28-May-2019

Customer: Black Rock Environmental Associates Ltd
16 Buckingham Crescent
Clayton
Bradford
West Yorkshire
BD14 6EJ

Customer Contact: Mr Hywel Wilcox

Customer Job Reference:

Customer Site Reference: JP LAND RECOVERY WARMFIELD
CUTTING WAKEFIELD

Date Job Received at Concept: 13-May-2019

Date Analysis Started: 23-May-2019

Date Analysis Completed: 28-May-2019

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Customers are responsible for information provided where, if incorrect, it could affect the validity of the results.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept Life Sciences SOPs

All results have been reviewed in accordance with QMSection 15 of the Concept Life Sciences, Analytical Services Quality Manual



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Report checked
and authorised by :
Aneta Dybek-Echtermeyer
Customer Service Advisor

Issued by :
Aneta Dybek-Echtermeyer
Customer Service Advisor

Concept Reference: 821695					
Project Site: JP LAND RECOVERY WARMFIELD CUTTING WAKEFIELD					
Customer Reference:					
Water		Analysed as Water			
Miscellaneous					
Concept Reference			821695 003		
Customer Sample Reference			TRACK DRAINAGE OUTLET		
Date Sampled			09-MAY-2019		
Sample Received (ml)			2000		
Determinand	Method	Test Sample	LOD	Units	
Phenols(Mono)	T4	AR	0.1	mg/l	<0.1
Ammonia expressed as NH4	T4	AR	0.06	mg/l	0.07
Suspended Solids (Total)	T2	AR	10	mg/l	<10

Concept Reference: 821695					
Project Site: JP LAND RECOVERY WARMFIELD CUTTING WAKEFIELD					
Customer Reference:					
Water		Analysed as Water			
TPH (CWG)					
Concept Reference			821695 003		
Customer Sample Reference			TRACK DRAINAGE OUTLET		
Date Sampled			09-MAY-2019		
Sample Received (ml)			2000		
Determinand	Method	Test Sample	LOD	Units	
TPH (C5-C6 aliphatic)	T215	AR	0.010	mg/l	<0.010
TPH (C6-C8 aliphatic)	T215	AR	0.010	mg/l	<0.010
TPH (C8-C10 aliphatic)	T215	AR	0.010	mg/l	<0.010
TPH DW(C10-C12 aliphatic)	T81	AR	0.01	mg/l	<0.02 ^(13,100)
TPH DW(C12-C16 aliphatic)	T81	AR	0.01	mg/l	<0.02 ^(13,100)
TPH DW(C16-C21 aliphatic)	T81	AR	0.01	mg/l	<0.02 ^(13,100)
TPH DW(C21-C35 aliphatic)	T81	AR	0.01	mg/l	<0.02 ^(100,13)
TPH (C6-C7 aromatic)	T215	AR	0.010	mg/l	<0.010
TPH (C7-C8 aromatic)	T215	AR	0.010	mg/l	<0.010
TPH (C8-C10 aromatic)	T215	AR	0.010	mg/l	<0.010
TPH DW(C10-C12 aromatic)	T81	AR	0.01	mg/l	<0.02 ^(13,100)
TPH DW(C12-C16 aromatic)	T81	AR	0.01	mg/l	<0.02 ^(100,13)
TPH DW(C16-C21 aromatic)	T81	AR	0.01	mg/l	<0.02 ^(100,13)
TPH DW(C21-C35 aromatic)	T81	AR	0.01	mg/l	<0.02 ^(100,13)

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
TPH (C6-C7 aromatic)	T215	AR	0.010	mg/l	N	003
TPH (C7-C8 aromatic)	T215	AR	0.010	mg/l	N	003
TPH (C8-C10 aromatic)	T215	AR	0.010	mg/l	N	003
TPH DW(C10-C12 aromatic)	T81	AR	0.01	mg/l	N	003
TPH DW(C12-C16 aromatic)	T81	AR	0.01	mg/l	N	003
TPH DW(C16-C21 aromatic)	T81	AR	0.01	mg/l	N	003
TPH DW(C21-C35 aromatic)	T81	AR	0.01	mg/l	N	003
Naphthalene	T149	AR	0.01	µg/l	U	003
Acenaphthylene	T149	AR	0.01	µg/l	U	003
Acenaphthene	T149	AR	0.01	µg/l	U	003
Fluorene	T149	AR	0.01	µg/l	U	003
Phenanthrene	T149	AR	0.01	µg/l	U	003
Anthracene	T149	AR	0.01	µg/l	U	003
Fluoranthene	T149	AR	0.01	µg/l	U	003
Pyrene	T149	AR	0.01	µg/l	U	003
Benzo(a)Anthracene	T149	AR	0.01	µg/l	U	003
Chrysene	T149	AR	0.01	µg/l	U	003
Benzo(b/k)Fluoranthene	T149	AR	0.01	µg/l	U	003
Benzo(a)Pyrene	T149	AR	0.01	µg/l	U	003
Indeno(123-cd)Pyrene	T149	AR	0.01	µg/l	U	003
Dibenzo(ah)Anthracene	T149	AR	0.01	µg/l	U	003
Benzo(ghi)Perylene	T149	AR	0.01	µg/l	U	003
PAH(total)	T149	AR	0.01	µg/l	U	003
Phenols(Mono)	T4	AR	0.1	mg/l	U	003
Ammonia expressed as NH ₄	T4	AR	0.06	mg/l	U	003
Suspended Solids (Total)	T2	AR	10	mg/l	N	003

