



Test Certificate

Client: ADM Regeneration Ltd
Warrington Lane, Lymm, WA13 0SA
Site: Water, Ash, Soil Samples
Date Tested: 22/07/14, 23/07/14
Date Reported: 24 July, 2014
Date Received: 17 July, 2014
Sample Type: Liquid, Solid

Certificate No: 14/2847/RG/S/C2
File No: 14/2847/RG/S
Client Ref: TBC

Lab sample ref: C184299
Client sample ref: Topsoil 1
Date sampled: Not provided
Sample matrix (see notes page): S
C184300
Topsoil 2
Not provided
S

Determinand	Method	Units	ISO17025	MCERTS	LOD		
Deviation Assessment							
Deviation(s)	C. Review	N/A	N/A	N/A	N/A	4	4
Metals (soil)							
Arsenic	AN8b	mg/kg	Y	Y	2	13	16
Boron (water soluble)	AN03	mg/kg	Y	N	0.1	1.2	1.4
Cadmium	AN8a	mg/kg	Y	Y	1	1	2
Chromium (total)	AN8b	mg/kg	Y	Y	2	27	28
Copper	AN8b	mg/kg	Y	Y	2	66	42
Lead	AN8b	mg/kg	Y	Y	2	119	116
Mercury	AN8a	mg/kg	Y	Y	1	<1	<1
Nickel	AN8b	mg/kg	Y	Y	2	22	21
Selenium	AN8a	mg/kg	Y	Y	1	<1	<1
Zinc	AN8b	mg/kg	Y	Y	2	2318	369
Sample Prep(C)							
EMR	EMR	%	N	N/A	0.1	<0.1	<0.1
% Stones	Stones	%	N	N/A	0.1	20.0	38.9
Moisture Content @ <30°C	AN1	%	Y	N/A	0.1	15.0	13.6
Sample Description	CERTS ver4.		N	N/A		4A	4A
PAH (USEPA16)							
Acenaphthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1
Acenaphthylene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	<0.1
Anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.1
Benz(a)anthracene _M	GCM501	mg/kg	Y	Y	0.1	0.6	0.9
Benzo(a)pyrene _M	GCM501	mg/kg	Y	Y	0.1	0.7	1.0
Benzo(b)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.9	1.0
Benzo(ghi)perylene _M	GCM501	mg/kg	Y	Y	0.1	0.5	0.7
Benzo(k)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.4	0.6
Chrysene _M	GCM501	mg/kg	Y	Y	0.1	0.6	1.0
Dibenz(a,h)anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.1
Fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.9	1.6
Fluorene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene _M	GCM501a	mg/kg	Y	Y	0.1	0.5	0.6
Naphthalene (PAH) _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1
Phenanthrene _M	GCM501	mg/kg	Y	Y	0.1	0.2	0.6
Pyrene _M	GCM501	mg/kg	Y	Y	0.1	0.8	1.4
PAH (USEPA16) Total _M	GCM501	mg/kg	Y	Y	0.1	6.1	9.6

Exova (UK) Ltd
70 Montrose Avenue
Hillington Park
Glasgow
G52 4LA

T: +44 (0)141 941 2022
F: +44 (0)141 952 7099
E: info@exova.com
W: www.exova.com



Test Certificate

Client: ADM Regeneration Ltd
Warrington Lane, Lymm, WA13 0SA
Site: Water, Ash, Soil Samples

Date Tested: 22/07/14, 23/07/14
Date Reported: 24 July, 2014
Date Received: 17 July, 2014
Sample Type: Liquid, Solid

Certificate No: 14/2847/RG/S/C2
File No: 14/2847/RG/S
Client Ref: TBC

Lab sample ref: C184299
Client sample ref: Topsoil 1
Date sampled: Not provided
Sample matrix (see notes page): S

C184300
Topsoil 2
Not provided
S

Determinand	Method	Units	ISO17025	MCERTS	LOD		
TPH Banded(Alil/Aro) 1							
EC>5-6 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10	<10
EC>6-8 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10	<10
EC>8-10 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000
EC>10-12 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000
EC>12-16 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	1736
EC>16-35 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	19882	23380
EC>35-44 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	4941	5324
Total Aliphatics (1) _M	SOP05a	µg/kg	Y	N	1000	24824	30440
EC>5-7 Aromatic _M	SOP05	µg/kg	Y	N	10	<10	<10
EC>7-8 Aromatic _M	SOP05	µg/kg	Y	N	10	<10	<10
EC>8-10 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000
EC>10-12 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000
EC>12-16 Aromatic _M	SOP05a	µg/kg	Y	N	1000	5294	1852
EC>16-21 Aromatic _M	SOP05a	µg/kg	Y	N	1000	31882	13194
EC>21-35 Aromatic _M	SOP05a	µg/kg	Y	N	1000	48941	46296
EC>35-44 Aromatic _M	SOP05a	µg/kg	Y	N	1000	10353	10764
Total Aromatics (1) _M	SOP05a	µg/kg	Y	N	1000	96471	72106
Methyl t-butyl ether _M	SOP05	µg/kg	Y	N	10	<10	<10
Benzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10
Toluene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10
Ethylbenzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10
m&p-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10
o-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10
Total VPH _M	SOP05	µg/kg	Y	N	10	<10	<10
TPH _M	SOP05a	µg/kg	Y	N	1000	121294	102546

Notes

1. All analyses performed on the sample dried at <30°C, except analyses suffixed with 'M'.
2. Analyses suffixed 'M' were performed on the sample as received and corrected for '% moisture at <30°C' where applicable.
3. All results are expressed as dry weight.
4. MCERTS accreditation applicable to Sample Matrix 'S' only.
5. Natural stones (pebbles, gravels etc.) which do not pass a 2mm sieve are excluded from dried analyses.
6. Tests marked * indicate subcontracted analyses.
7. The laboratory has tested the material/items supplied by the client as sampled in accordance with the client's own requirements.
8. ^Sample Description key: 1. - Sand, 2. Loam, 3. Clay, 4. Sand/loam mix, 5. Sand/clay mix, 6. Clay/loam mix, 7. Other.
suffixed with: A - Stones, B - Construction rubble, C - Visible Hydrocarbons, D - Vegetation, E - Glass/metal, F - Strong odour, G - Other.
9. Leachate preparation is not included in our UKAS accreditation.

10. Dates of testing for all parameters are available upon request.

11. Where a deviation has been found in relation to the sample(s) submitted for testing, the test result may be compromised. Reasons for deviating samples are denoted by means of a number 1, 2, 3, 4, 5, 6 or 7 under the analyte 'Deviation(s)'. Explanation of this number coding as follows: 1. Inappropriate sample container for organic testing, 2. Inappropriate sample container for inorganic testing, 3. Inappropriate container for all analysis, 4. No sample date provided, 5. Sample stability time exceeded, 6. Inappropriate storage during transport to the laboratory, and 7. Other (please contact the laboratory for further information)

Signed for, and on behalf of Exova (UK) Ltd.

Prepared by:

Claire McLaughlin

C McLaughlin
Administrator

Julie McElery

J McElery
Laboratory Manager



The contents of this document are governed by the terms and conditions overleaf.

Registered Office: Exova (UK) Ltd. Lochend Industrial Estate, Newbridge, Midlothian, EH28 8PL United Kingdom. Reg No. SC 70429