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Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories Ltd

Certificate of Analysis

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Report Number: 379367-1

Date of Report: 10-Mar-2014

Customer: Carley Daines and Partners
11 Bridgewater Road
Walkden
Worsley
Manchester
M28 3JE

Customer Contact: Mr Chris Carley

Customer Job Reference:
Customer Site Reference: Everton Road, Liverpool
Date Job Received at SAL: 26-Feb-2014
Date Analysis Started: 27-Feb-2014
Date Analysis Completed: 10-Mar-2014

The results reported relate to samples received in the laboratory
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 SAL SOPs
All results have been reviewed in accordance with QP22

UKAS TESTING
1549

Report checked
and authorised by :
Lianne Bromiley
Assistant Customer Service
Manager

Issued by :
Lianne Bromiley
Assistant Customer Service
Manager

SAL Reference: 379367
Project Site: Everton Road, Liverpool
Customer Reference:

Soil Analysed as Soil
Asbestos

				SAL Reference	**379367 001**	**379367 002**	**379367 003**	**379367 004**	**379367 005**	**379367 006**	**379367 007**	**379367 008**
				Customer Sample Reference	**BH1 0.2-0.65m**	**BH2 0.3-0.8m**	**BH3 0.3-0.8m**	**BH4 0.3-0.8m**	**TPA 0.2-0.7m**	**TPB 0.1-0.3m**	**TPC 0.3-0.8m**	**TPD 0.3-0.8m**
				Date Sampled	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Asbestos ID	T27	AR			N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

SAL Reference: 379367
Project Site: Everton Road, Liverpool
Customer Reference:

Soil Analysed as Soil
Soil Suite 1

				SAL Reference	**379367 001**	**379367 002**	**379367 003**	**379367 004**	**379367 005**	**379367 006**	**379367 007**	**379367 008**
				Customer Sample Reference	**BH1 0.2-0.65m**	**BH2 0.3-0.8m**	**BH3 0.3-0.8m**	**BH4 0.3-0.8m**	**TPA 0.2-0.7m**	**TPB 0.1-0.3m**	**TPC 0.3-0.8m**	**TPD 0.3-0.8m**
				Date Sampled	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Arsenic	T6	AR	1	mg/kg	**9**	**7**	**9**	**8**	**7**	**5**	**10**	**8**
Boron (water-soluble)	T6	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	T6	AR	1	mg/kg	<1	**1**	<1	<1	<1	<1	<1	<1
Chromium	T6	AR	1	mg/kg	**13**	**14**	**15**	**17**	**12**	**8**	**15**	**14**
Chromium VI	T6	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Copper	T6	AR	1	mg/kg	**53**	**4600**	**370**	**490**	**27**	**14**	**300**	**48**
Cyanide(Total)	T4	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Cyanide(free)	T4	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Lead	T6	AR	1	mg/kg	**200**	**1700**	**450**	**620**	**280**	**80**	**690**	**180**
Mercury	T6	AR	1	mg/kg	<1	<1	<1	**1**	<1	<1	<1	<1
Nickel	T6	AR	1	mg/kg	**11**	**13**	**10**	**10**	**9**	**5**	**11**	**10**
pH	T7	AR			**8.1**	**8.6**	**8.4**	**7.7**	**8.4**	**8.3**	**7.6**	**8.1**
Phenols(Mono)	T4	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
Selenium	T6	AR	3	mg/kg	<3	<3	<3	<3	<3	<3	<3	<3
Sulphide	T4	AR	10	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10
Sulphur(Free)	T2	AR	500	mg/kg	<500	<500	<500	<500	<500	<500	<500	<500
Thiocyanate	T4	AR	10	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10
Zinc	T6	AR	1	mg/kg	**140**	**460**	**180**	**200**	**170**	**60**	**220**	**88**

SAL Reference: 379367
Project Site: Everton Road, Liverpool
Customer Reference:

Soil Analysed as Soil
Soil suite 2

				SAL Reference	**379367 001**	**379367 002**	**379367 003**	**379367 004**	**379367 005**	**379367 006**	**379367 007**	**379367 008**
				Customer Sample Reference	**BH1 0.2-0.65m**	**BH2 0.3-0.8m**	**BH3 0.3-0.8m**	**BH4 0.3-0.8m**	**TPA 0.2-0.7m**	**TPB 0.1-0.3m**	**TPC 0.3-0.8m**	**TPD 0.3-0.8m**
				Date Sampled	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
SO4(Total)	T6	AR	0.01	%	**0.05**	**0.09**	**0.10**	**0.66**	**0.05**	**0.04**	**0.26**	**0.05**
SO4(2:1)	T6	AR	0.1	g/l	<0.1	<0.1	<0.1	**0.7**	<0.1	<0.1	**0.4**	<0.1

SAL Reference: 379367
Project Site: Everton Road, Liverpool
Customer Reference:

Soil Analysed as Soil

Total Petroleum Hydrocarbons Banded (C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)

				SAL Reference	**379367 001**	**379367 002**	**379367 003**	**379367 004**	**379367 005**	**379367 006**	**379367 007**	**379367 008**
				Customer Sample Reference	**BH1 0.2-0.65m**	**BH2 0.3-0.8m**	**BH3 0.3-0.8m**	**BH4 0.3-0.8m**	**TPA 0.2-0.7m**	**TPB 0.1-0.3m**	**TPC 0.3-0.8m**	**TPD 0.3-0.8m**
				Date Sampled	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
TPH (C8-C10)	T8	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
TPH (C10-C12)	T8	AR	1	mg/kg	<1	<1	<1	<1	<1	<1	<1	<1
TPH (C12-C16)	T8	AR	1	mg/kg	**1**	**3**	**1**	**2**	**2**	<1	<1	<1
TPH (C16-C21)	T8	AR	1	mg/kg	**8**	**20**	**5**	**12**	**9**	<1	**5**	**6**
TPH (C21-C35)	T8	AR	1	mg/kg	**39**	**61**	**23**	**44**	**25**	**2**	**22**	**26**

SAL Reference: 379367
Project Site: Everton Road, Liverpool
Customer Reference:

Soil Analysed as Soil

Total and Speciated USEPA16 PAH

				SAL Reference	**379367 001**	**379367 002**	**379367 003**	**379367 004**	**379367 005**	**379367 006**	**379367 007**	**379367 008**
				Customer Sample Reference	**BH1 0.2-0.65m**	**BH2 0.3-0.8m**	**BH3 0.3-0.8m**	**BH4 0.3-0.8m**	**TPA 0.2-0.7m**	**TPB 0.1-0.3m**	**TPC 0.3-0.8m**	**TPD 0.3-0.8m**
				Date Sampled	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**14-JAN-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**	**24-FEB-2014**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**								
Naphthalene	T149	AR	0.01	mg/kg	**0.10**	**0.13**	**0.07**	**0.28**	**0.07**	**0.01**	**0.05**	**0.03**
Acenaphthylene	T149	AR	0.01	mg/kg	**0.02**	<0.01	**0.01**	**0.01**	**0.05**	<0.01	**0.01**	<0.01
Acenaphthene	T149	AR	0.01	mg/kg	**0.11**	**0.19**	**0.09**	**0.95**	**0.15**	**0.01**	**0.10**	**0.02**
Fluorene	T149	AR	0.01	mg/kg	**0.08**	**0.13**	**0.06**	**0.49**	**0.14**	**0.01**	**0.07**	**0.01**
Phenanthrene	T149	AR	0.01	mg/kg	**0.81**	**1.1**	**0.79**	**2.4**	**2.0**	**0.09**	**0.63**	**0.17**
Anthracene	T149	AR	0.01	mg/kg	**0.22**	**0.27**	**0.20**	**0.38**	**0.58**	**0.02**	**0.18**	**0.04**
Fluoranthene	T149	AR	0.01	mg/kg	**1.3**	**1.4**	**1.1**	**1.6**	**1.8**	**0.13**	**1.1**	**0.26**
Pyrene	T149	AR	0.01	mg/kg	**1.3**	**1.3**	**1.1**	**1.6**	**2.2**	**0.13**	**1.1**	**0.24**
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	**0.62**	**0.60**	**0.47**	**0.72**	**1.2**	**0.07**	**0.54**	**0.12**
Chrysene	T149	AR	0.01	mg/kg	**0.58**	**0.59**	**0.46**	**0.84**	**1.1**	**0.07**	**0.49**	**0.11**
Benzo(b/k)Fluoranthene	T149	AR	0.01	mg/kg	**0.99**	**1.0**	**0.85**	**1.3**	**1.5**	**0.12**	**0.96**	**0.22**
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	**0.55**	**0.59**	**0.45**	**0.62**	**0.92**	**0.06**	**0.50**	**0.12**
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	**0.39**	**0.42**	**0.37**	**0.44**	**0.51**	**0.05**	**0.38**	**0.09**
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	**0.08**	**0.07**	**0.06**	**0.10**	**0.14**	**0.01**	**0.07**	**0.02**
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	**0.33**	**0.36**	**0.31**	**0.38**	**0.41**	**0.04**	**0.29**	**0.07**
PAH(total)	T149	AR	0.01	mg/kg	**7.5**	**8.2**	**6.4**	**12**	**13**	**0.82**	**6.5**	**1.5**

Index to symbols used in 379367-1

Value	Description
AR	As Received
N.D.	Not Detected
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T149	GC/MS (SIR)
T4	Colorimetry
T8	GC/FID
T2	Grav
T7	Probe
T6	ICP/OES
T27	PLM

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Asbestos ID	T27	AR			SU	001-008
Arsenic	T6	AR	1	mg/kg	U	001-008
Boron (water-soluble)	T6	AR	1	mg/kg	N	001-008
Cadmium	T6	AR	1	mg/kg	U	001-008
Chromium	T6	AR	1	mg/kg	U	001-008
Chromium VI	T6	AR	1	mg/kg	N	001-008
Copper	T6	AR	1	mg/kg	U	001-008
Cyanide(Total)	T4	AR	1	mg/kg	U	001-008
Cyanide(free)	T4	AR	1	mg/kg	U	001-008
Lead	T6	AR	1	mg/kg	U	001-008
Mercury	T6	AR	1	mg/kg	U	001-008
Nickel	T6	AR	1	mg/kg	U	001-008
pH	T7	AR			U	001-008
Phenols(Mono)	T4	AR	1	mg/kg	U	001-008
Selenium	T6	AR	3	mg/kg	U	001-008
Sulphide	T4	AR	10	mg/kg	N	001-008
Sulphur(Free)	T2	AR	500	mg/kg	N	001-008
Thiocyanate	T4	AR	10	mg/kg	N	001-008
Zinc	T6	AR	1	mg/kg	U	001-008
Naphthalene	T149	AR	0.01	mg/kg	U	001-008
Acenaphthylene	T149	AR	0.01	mg/kg	U	001-008
Acenaphthene	T149	AR	0.01	mg/kg	U	001-008
Fluorene	T149	AR	0.01	mg/kg	U	001-008
Phenanthrene	T149	AR	0.01	mg/kg	U	001-008
Anthracene	T149	AR	0.01	mg/kg	U	001-008
Fluoranthene	T149	AR	0.01	mg/kg	U	001-008
Pyrene	T149	AR	0.01	mg/kg	U	001-008
Benzo(a)Anthracene	T149	AR	0.01	mg/kg	U	001-008
Chrysene	T149	AR	0.01	mg/kg	U	001-008
Benzo(b/k)Fluoranthene	T149	AR	0.01	mg/kg	U	001-008
Benzo(a)Pyrene	T149	AR	0.01	mg/kg	U	001-008
Indeno(123-cd)Pyrene	T149	AR	0.01	mg/kg	U	001-008
Dibenzo(ah)Anthracene	T149	AR	0.01	mg/kg	U	001-008
Benzo(ghi)Perylene	T149	AR	0.01	mg/kg	U	001-008
PAH(total)	T149	AR	0.01	mg/kg	U	001-008
SO4(Total)	T6	AR	0.01	%	N	001-008
SO4(2:1)	T6	AR	0.1	g/l	N	001-008
TPH (C8-C10)	T8	AR	1	mg/kg	N	001-008
TPH (C10-C12)	T8	AR	1	mg/kg	U	001-008
TPH (C12-C16)	T8	AR	1	mg/kg	U	001-008
TPH (C16-C21)	T8	AR	1	mg/kg	U	001-008
TPH (C21-C35)	T8	AR	1	mg/kg	U	001-008