## 35 Falkland Road - ME/04/5241

APPENDIX 1 – LABORATORY ANALYSIS CERTIFICATES

MAYER environmental

### February 2005

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Client: Mayer Environmental Services Transport Avenue Brentford Middlesex TW8 9HA

FAO: Mr K Thomas

#### Analytical Report Number: R04/9400s

Client Project Name: Client Project Number: Your Order Number: Order Receipt Date: Reporting Date: None Specified ME/04/5241 10277 29/11/04 Friday 17 December 2004

If you have any queries regarding this report please contact our Customer Services Manager

R04/9400s : Page 1 of 8



### **ECõS Environmental**

Low Moor Business Park, Common Road, Bradford BD12 8ND Tel: 01274 691122 Fax: 01274 608100

### Client Project Name: None Specified Project Number: ME/04/5241

Client: Mayer Environmental Services Reporting Date: Friday 17 December 2004

#### Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

#### Soil Samples

Results are expressed based on air dried mass @ 30°C unless otherwise stated.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

Stones (for example inert flints and inorganic minerals) >10mm are removed prior to analysis. Unless otherwise stated, results have not been corrected for this loss.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

#### Key:

#### Accreditation:

MCERTS = This test is accredited to the British Standard BS EN ISO/IEC 17025:2000 and the Environment Agency MCERTS for soil standard.

17025 = This test is accredited to the British Standard BS EN ISO/IEC 17025:2000.

None = This test is currently not on our scope of accreditation.

#### Sample Pretreatment (Appended to Method of Detection)

#### Air Dried @ 30°C

R = As Received

#### Sample Type

B = Bulk disturbed sample

C = Core Sample D = Small disturbed sample P = Piston sample U = Undisturbed sample - open drive W = Water Sample

#### Sample Results

# Analysis not requested \*\*\* Test not completed. Please see notes on last page

#### Signed:

#### For and on behalf of ECõS Environmental

Approved signatories:

## Name J R Brown E Dewell P Richardson J Stoddart

Position

Customer Services Manager Production Manager Quality Manager Technical Manager



ECõS Environmental Low Moor Business Park, Common Road, Bradford BD12 8ND Tel: 01274 691122 Fax: 01274 608100

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### Soil Samples

#### **Method Statement**

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Accredi- tation 17025 17025	Sub- Contracted No No	Result Date 08/12/04 08/12/04
pH	pH-meter	D	N/A			
Arsenic	ICP-OES	D	1.0 mg/kg			
Cadmium	ICP-OES	D	0.2 mg/kg	17025	No	08/12/04
C' omium (total)	ICP-OES	D	0.2 mg/kg	17025	No	08/12/04
Copper	ICP-OES	D	0.2 mg/kg*	17025	No	08/12/04
Lead	ICP-OES	D	0.5 mg/kg	17025	No	08/12/04
Mercury	ICP-OES	D	1.0 mg/kg	17025	No	08/12/04
Nickel	ICP-OES	D	0.2 mg/kg	17025	No	08/12/04
Selenium	ICP-OES	D	1.0 mg/kg	17025	No	08/12/04 08/12/04
Zinc	ICP-OES	D	0.2 mg/kg	17025	025 No	
Boron (water soluble)	ICP-OES	D	0.5 mg/kg	17025	No	14/12/04
Electrical Conductivity	Conductivity Meter	R	10 uS/cm None @25C		No	08/12/04
Cyanide (total)	Colorimetry	R	2.0 mg/kg	2.0 mg/kg 17025		07/12/04
Phenols (total)	Colorimetry	R	1.0 mg/kg 17025		No	06/12/04
Sulphur (elemental)	HPLC-UV	D	100 mg/kg	17025	No	14/12/04
Sulphide	Colorimetry	R	2.0 mg/kg	17025	No	08/12/04
Sulphate (water soluble)	HPLC-IC	D	0.001 g/l SO4	17025	No 4	16/12/04
TEM	Gravimetry	D	100 mg/kg None		No	07/12/04
PAH (total)	GC-MS	D	0.1 mg/kg	17025	No	17/12/04

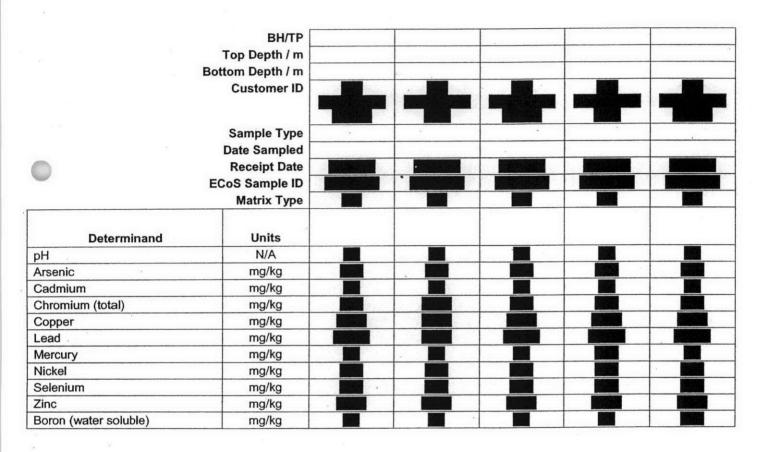
Report R04/9400s is a supplement to R04/9400, containing amended Lead analysis.



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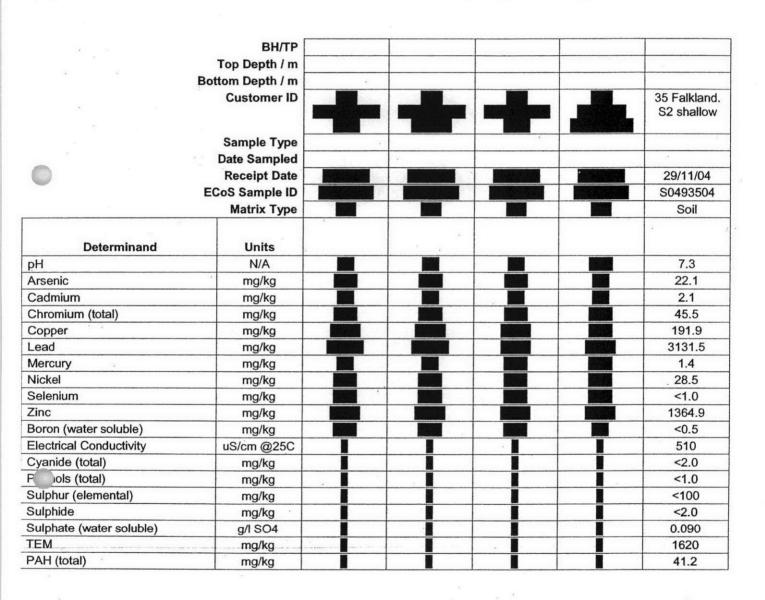
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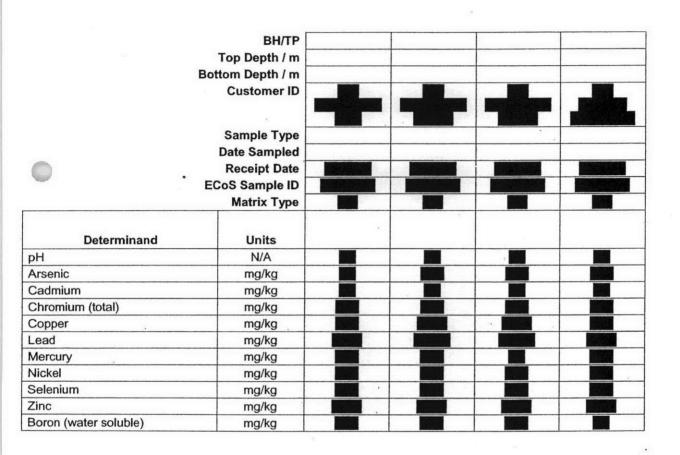
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	*						
	BH/TP						
	Top Depth / m						
	Bottom Depth / m						
	Customer ID	35 Falkland. S3 shallow	35 Falkland. S3 deep	35 Falkland. S4 shallow	35 Falkland. Wall Scrape		
	Sample Type Date Sampled Receipt Date ECoS Sample ID	29/11/04 S0493506	29/11/04 S0493507	29/11/04 S0493508	29/11/04 S0493509		
•							
	Matrix Type	Soil	Soil	Soil	Soil		
Determinand	Units						
pH	N/A	7.7	7.8	7.2	8.2		
Arsenic	mg/kg	20.2	21.8	23.1	9.6		
Cadmium	mg/kg	1.5	1.1	2.5	0.2	-	
Chromium (total)	mg/kg	41.6	45.2	62.0	92.9		
Copper	mg/kg	154.8	140.9	436.6	23.9		
Lead	mg/kg	1977.0	896.4	2656.0	33.0		
Mercury	mg/kg	1.2	1.5	3.0	<1.0		
Nickel	mg/kg	26.0	27.5	27.6	19.0		
Selenium	mg/kg	<1.0	<1.0	<1.0	<1.0		
Zinc	mg/kg	761.1	569.1	1408.9	163.1	NO AL	
Boron (water soluble)	mg/kg	<0.5	<0.5	<0.5	54.1		
Electrical Conductivity	uS/cm @25C	#	#	#	#		
Cyanide (total)	mg/kg	• #	#	#	#		
enols (total)	mg/kg	#	#	#	#		
Sulphur (elemental)	mg/kg	#	#	#	#		
Sulphide	mg/kg	# .	#	#	#		
Sulphate (water soluble)	g/I SO4	#	#	#	#		
TEM	mg/kg		#	#	#		
PAH (total)	mg/kg	·#	#	#	#		



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### **Notes and Preservation Details**

None