

07/4678

**REPORT FOR SITE INVESTIGATION AT THE
DEARNE HIGH SCHOOL, GOLDTHORPE**

FOR

BARNSLEY MBC

JANUARY 2008

CC Geotechnical

Consulting Geotechnical & Geoenvironmental Engineers

Essex House, Bridle Road, BOOTLE, Merseyside. L30 4UE.

Telephone: (0151) 523 0202 Fax: (0151) 523 0252

Document Control Form

Client: Barnsley MBC
Project Title: The Dearne High School, Goldthorpe
Reference Number: 07/4678
Main Author: R Roberts BEng (Hons)
Signature:

Reviewed by: Chris Bolan CEng MICE
Signature:

Approved for Issue by: Chris Bolan CEng MICE
Signature:

For and behalf of CC GEOTECHNICAL LTD

Date: January 2008
Revision Number: 0
Comments:

Status: FINAL

Distribution: 1 HARD COPY + 1 CD TO BARNSELY MBC

This document has been prepared by **CC GEOTECHNICAL LTD** within the terms of the Contract, scope of work, and resources agreed in writing with the client.

This document is intended for the sole use of the client indicated above and **CC GEOTECHNICAL LTD** accepts no responsibility of whatever nature to third parties to whom this document or any part of this document is made known. Any such party relies upon that information at their own risk.

Additional information, improved practices, new guidance, changes in legislation or provision of detailed layout design proposals will necessitate this report having to be reviewed in whole or in part after that date.

The findings and opinions provided in this document are made in good faith and are subject to the limitations imposed by employing site assessment methods and techniques, appropriate to the time of investigation and within the limitations and constraints defined in this document. The findings and opinions are relevant to the dates when the assessment was undertaken, but should not necessarily be relied upon to represent conditions at a substantially later date. In particular, seasonal groundwater levels, with the effects of precipitation, may affect the conditions found during the investigation.

Factual data has largely been obtained from enquiries with third parties, the results of which are relied on unless indicated to be inaccurate by contradictory information. Further assessment, investigation, construction activities, could not have been taken into account in the preparation of the report. Where such information might impact upon stated opinions, **CC GEOTECHNICAL LTD** reserve the right to modify such opinions expressed herein.

The findings and opinions conveyed, via this report, are based on information obtained from a variety of sources as detailed in this report, and which **CC GEOTECHNICAL LTD** assumes to be reliable, but has not been independently confirmed. Therefore **CC GEOTECHNICAL LTD** cannot and does not guarantee the authenticity or reliability of third party information it has relied upon.

Where opinions expressed in this report are based on current available guidance and legislation, no liability can be accepted by **CC GEOTECHNICAL LTD** for the effects of any future changes to such guidelines and legislation.

The limitations of liability of **CC GEOTECHNICAL LTD** for the contents of this document have been agreed with the Client, as set out in the terms and conditions of offer and related contract documentation.

CC GEOTECHNICAL LTD possesses a non-exclusive and non-transferable Ordnance Survey Licence, but do not possess any right to sub-license any of the rights granted by this licence to any party. Under the terms of **CC GEOTECHNICAL LTD** Ordnance Survey Licence, copying of figures containing Ordnance Survey data or using figures for any purpose other than as part of this report is not permitted.

1.0 INTRODUCTION

CC GEOTECHNICAL LTD was instructed by Barnsley MBC to investigate a parcel of land which is to be included in the development of The Dearne High School. Contiguous areas were previously subject to a site investigation reported under **CC GEOTECHNICAL LTD** Report No 06/3908/6.

It must be borne in mind that the data and opinions contained in this report should be read in conjunction with the Notes on Limitations, given in Appendix D.

2.0 THE SITE

The area being investigated is a parcel of land to the south east of 'The Dearne High School' as illustrated on Drawing 4678/1.

3.0 OBJECTIVES OF THE INVESTIGATION

The principal objective of the investigation was to assess the levels of contamination on the site.

4.0 SCOPE OF INVESTIGATION

The fieldwork element of the investigation comprised of the excavation of twelve trial pits, each to a depth of approximately 3mbgl.

The exposures were carefully logged and sampled.

On completion of the excavation, sampling and logging, the arisings were returned to the excavations in the reverse order of their excavation, to preserve insofar as was possible, the original lithology.

The positions of the trial pits are illustrated on Drawing 4678/2

The logs of the trial pits annotated with sampling details, are given in Appendix A.

5.0 DOCUMENTED GEOLOGY

The area of investigation is known to be landfilled.

The documented natural geology underlying the site is summarised on British Geological Survey Sheets, principally the 1:50000 Solid and Drift editions of Barnsley (Sheet 87), as hereunder:

Table 1: 1:50 000 Solid and Drift Edition of Sheet 87

	Description
Drift	No Drift Geology Present
Solid	Middle Coal Measures of Upper Carboniferous origins

6.0 OBSERVED STRATIGRAPHY

A detailed description of the soils encountered is given on the trial pit logs in Appendix A.

The stratigraphy was observed to be consistent throughout the site. The sequence commences with grassed topsoil deposits typically extending to 0.3-0.4m depth. The topsoil is underlain by deposits of made ground comprising of heterogeneous mixtures of brick, ash, plastic fragments, rags, metal fragments, timber, pottery, and gravel etc., bound within a matrix of grey sand. At sporadic locations, a thin intermediate layer of more durable made ground was interposed between the topsoil and the bulk heterogeneous fill, possibly indicating areas where capping had been placed to provide trafficable routes. The made ground was proven to a depth of 3.0mbgl.

Groundwater was not encountered in any excavation, this observation being consistent with the free draining nature of the made ground.

7.0 LABORATORY TESTING

Broad range contamination analyses were carried out on four samples

The results of the analyses are presented in Appendix B.

other results classify as "Non-Hazardous".

8.0 **ASSESSMENT OF SOIL CONTAMINATION**

To provide a conservative assessment, the soil analysis results were assessed against criteria derived for the 'Residential without Plant Uptake' land use scenario. Such criteria would be used to assess contamination on cultivated landscaped areas. Applying this method of assessment, the results indicate a potential risk to human health as there are exceedances from the following contaminants:

- Widespread arsenic
- Nickel in TP5 and TP7
- PAH's mainly concentrated in TP12, including widespread benzo(a)pyrene
- TPH's in TP12

However, account may be taken of the basis of derivation of the SSAC. This has been derived on the premise of a female child exposure to the soils for 8 hours per day, every day. This may not be a realistic basis of assessment. Reducing this to a more appropriate value of 1hr per day increases the majority of the SSAC's to levels well above the maximum results obtained, with the exception of benzo(a)pyrene (a carcinogenic species of PAH) at TP12.

However, this assessment is based on a limited dataset and, due to the heterogeneous nature of the material encountered, further contamination analyses should be undertaken to properly classify the site.

The soil contamination assessment is given in Appendix C.

9.0 **DISPOSAL OF SPOIL**

The hydrocarbon data in TP12 indicates that any spoil to be removed from this area would classify as 'Hazardous' waste. All

However, this assessment is based on a limited dataset and, due to the heterogeneous nature of the material encountered, further contamination analyses should be undertaken to properly classify the landfill spoil.

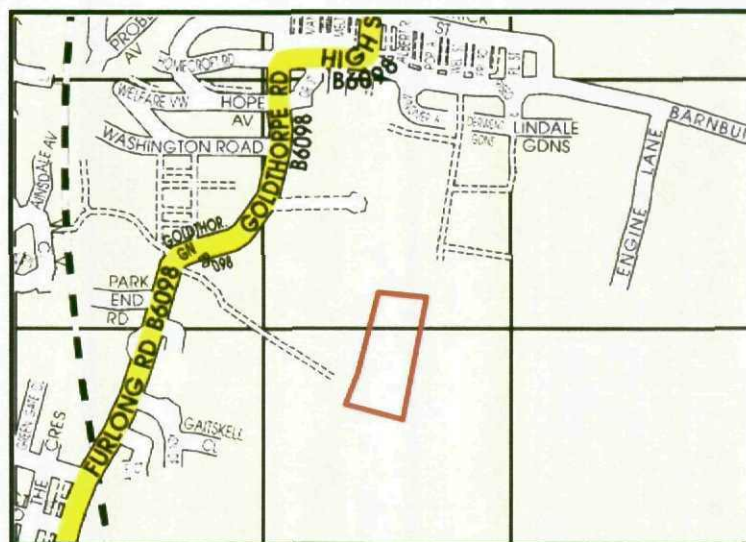
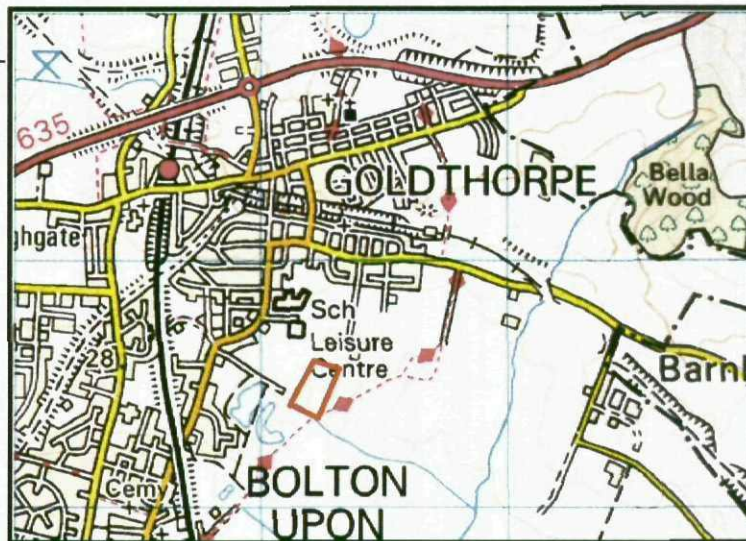
10.0 **CONCLUSIONS**

Based on the limited soil analyses data, and assuming transient human activity on the area, there may be a risk to human health arising from normal recreational activity from benzo(a)pyrene at TP12. This is based on the use of the site as recreational open space. Therefore, further analyses should be undertaken to determine the extent of the contamination, and a cover system considered for the site.

If the site were to be built on, then it would be appropriate to place significant clean soil cover systems on all landscaped areas within the development; possibly extending under hardstanding areas and the building footprint.

Furthermore, the made ground is a potential source of landfill gases. If buildings were to be placed here then an extensive regime of gas monitoring would be required.

N



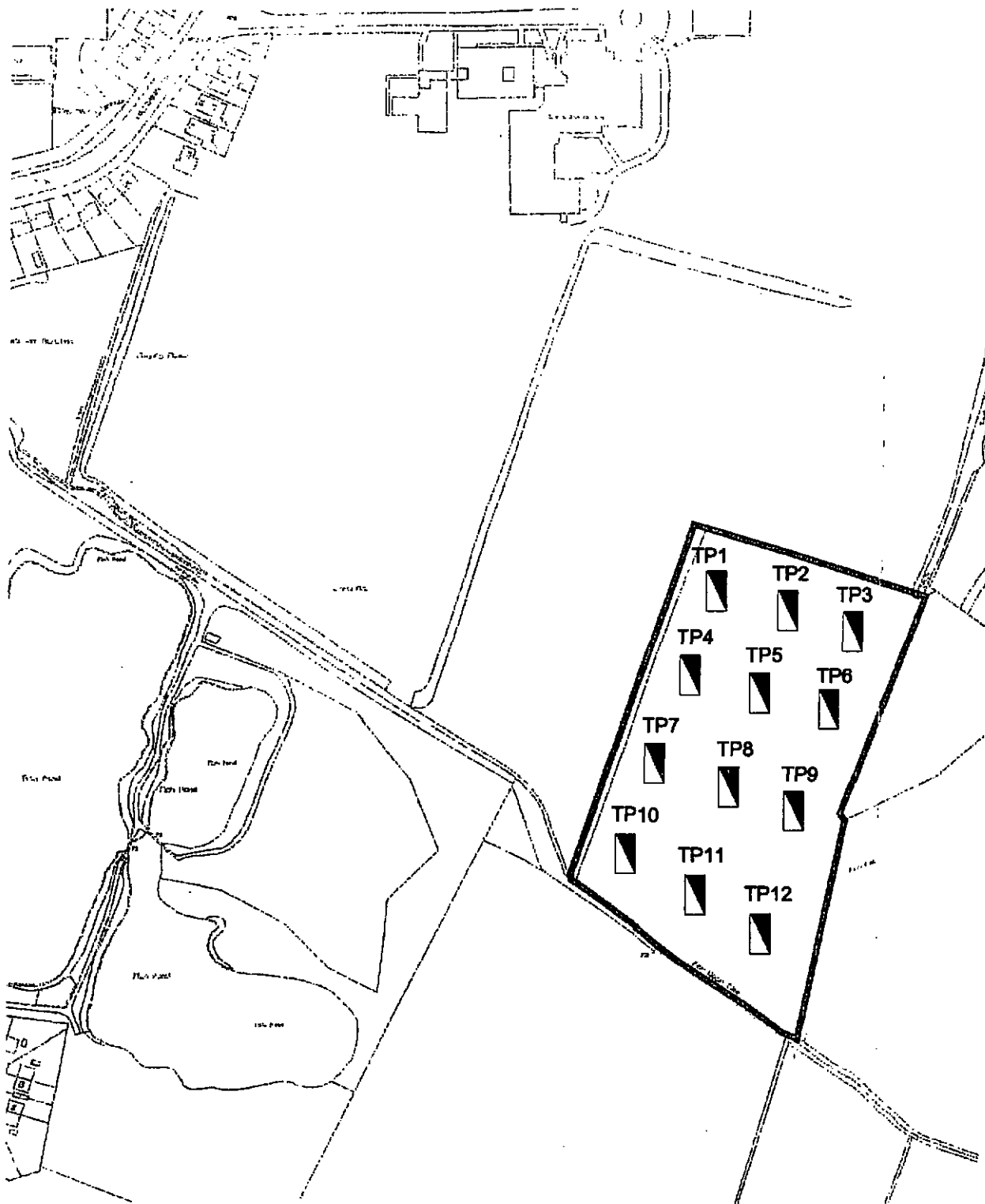
**The Dearne High School,
Barnsley**

Location Plan

4678/1

Reproduced with the permission of the
Ordnance Survey Crown Copyright
Licence No AL 52467A0001

Essex House Bridle Road Bootle Merseyside L30 4UE
TEL: 0151 523 0202 FAX: 0151 523 0252



CC Geotechnical

Consulting Geotechnical and
Geoenvironmental Engineers

Tel: (0151) 523 0202 Fax: (0151) 523 0252

Project THE DEARNE HIGH SCHOOL, GOLDTHORPE

Drawing SITE INVESTIGATION LAYOUT

Scale NTS

Date JAN 2008

Number 4678/2

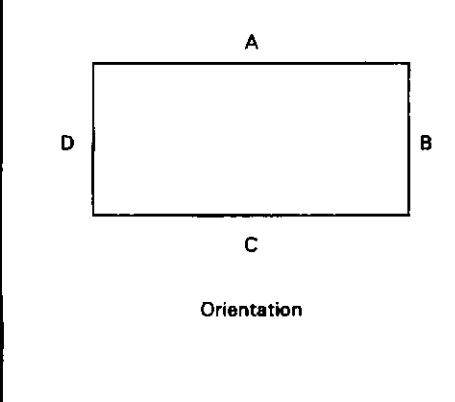
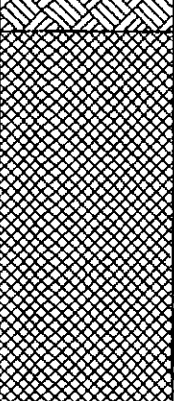
Ground Investigation at

Project No: 07/4678

The Dearne High School, Barnsley

January 2008

APPENDIX A
TRIAL PIT SECTION SHEETS

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP1 Sheet 1 of 1	
CLIENT: BARNESLEY MBC				SITE: THE DEARNE HIGH SCHOOL, BARNESLEY			
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN			LOGGED BY RR	JOB NO. 07/4678
PIT DIMENSIONS A/C : 3.00 B/D : 1.00		DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION 		0.30					
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD DEPTH TYPE RESULT		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
0.70 TUB		0.30	Grassed TOPSOIL (0.30)				
2.00 TUB			MADE GROUND comprising glass, brick, ash, plastic, rags, metal, timber, pottery and gravel in sand				
		3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER				
NS			TRIAL PIT DRY				
All dimensions are in metres unless otherwise stated							

TRIAL PIT LOGTRIAL PIT NO. TP2
Sheet 1 of 1

CLIENT

BARNLEY MBC

SITE

THE DEARNE HIGH SCHOOL, BARNLEY

DATE OF FIELDWORK

30/10/07-30/10/07

SCALE

1:50

LEVEL/POSITION

SEE LOCATION PLAN

LOGGED BY

RR

JOB NO.

07/4678

PIT DIMENSIONS

A/C : 3.00
B/D : 1.00

DEPTH

FACE A

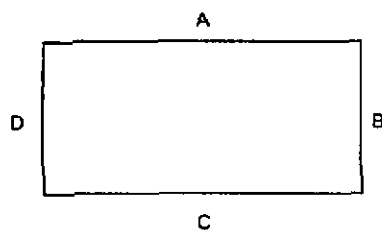
FACE B

FACE C

FACE D

ORIENTATION

0.30



FACE AND POSITION LOGGED ALL

SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)	STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT				
0.30	TUB		0.30	Grassed TOPSOIL (0.30)		
0.70	TUB			MADE GROUND comprising brick, concrete, plastic, rags, glass, pottery, metal, ash and gravel in sand		
2.00	TUB					
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING		
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS		
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C		
NS			TRIAL PIT DRY			

All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP3 Sheet 1 of 1		
CLIENT BARNSELEY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELEY				
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN		LOGGED BY RR		JOB NO. 07/4678	
PIT DIMENSIONS A/C : 3.00 B/D : 1.00		DEPTH 0.10 0.30	FACE A	FACE B	FACE C	FACE D		
ORIENTATION 								
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD DEPTH TYPE RESULT			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	
			0.10	TARMAC (0.10)				
			0.30	SUBBASE (0.20)				
			0.70	TUB	MADE GROUND comprising glass, pottery, ash, timber, rags, plastic, brick and gravel in sand			
			2.00	TUB				
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C				
NS			TRIAL PIT DRY					

TRIAL PIT LOGTRIAL PIT NO. TP4
Sheet 1 of 1CLIENT
BARNSELEY MBCSITE
THE DEARNE HIGH SCHOOL, BARNSELEYDATE OF FIELDWORK
30/10/07-30/10/07SCALE
1:50LEVEL/POSITION
SEE LOCATION PLANLOGGED BY
RRJOB NO.
07/4678PIT DIMENSIONS
A/C : 3.00
B/D : 1.00

DEPTH

FACE A

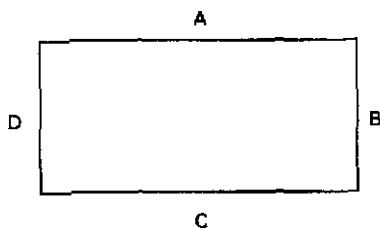
FACE B

FACE C

FACE D

ORIENTATION

0.30



FACE AND POSITION LOGGED ALL

SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)	STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT				
0.30	TUB		0.30	Grassed TOPSOIL (0.30)		
0.70				MADE GROUND comprising brick, glass, plastic, pottery, ash, metal, timber and gravel in sand		
2.00	TUB					
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING		
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS		
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C		
NS			TRIAL PIT DRY			

All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP5 Sheet 1 of 1		
CLIENT BARNSELY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELY				
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN			LOGGED BY RR	JOB NO. 07/4678	
PIT DIMENSIONS A/C : 3.00 B/D : 1.00		DEPTH	FACE A	FACE B	FACE C	FACE D		
		0.40						
		0.70						
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD DEPTH TYPE RESULT			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
	TUB		0.40	Grassed TOPSOIL (0.40)				
			0.70	MADE GROUND comprising mudstone gravels and cobbles in silty sandy gravelly clay (0.30) MADE GROUND comprising timber, brick, ash, rags, metal, concrete, glass, pottery and gravel in sand				
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C				
NS			TRIAL PIT DRY					

All dimensions are in metres unless otherwise stated

TRIAL PIT LOGTRIAL PIT NO. TP6
Sheet 1 of 1

CLIENT

BARNSELY MBC

SITE

THE DEARNE HIGH SCHOOL, BARNSELY

DATE OF FIELDWORK

30/10/07-30/10/07

SCALE

1:50

LEVEL/POSITION

SEE LOCATION PLAN

LOGGED BY

RR

JOB NO.

07/4678

PIT DIMENSIONS

A/C : 3.00
B/D : 1.00

DEPTH

0.05
0.20

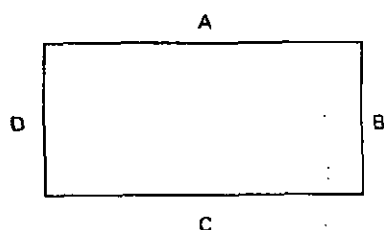
FACE A

FACE B

FACE C

FACE D

ORIENTATION



FACE AND POSITION LOGGED ALL

SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)	STRATUM NO.	WATER DEPTH		
DEPTH	TYPE	RESULT						
0.70	TUB		0.05	TARMAC (0.05)				
			0.20	SUBBASE (0.15)				
				MADE GROUND comprising brick, ash, concrete, timber, metal, glass, pottery and gravel in sand				
2.00	TUB							
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER					
NS			TRIAL PIT DRY					
				JCB 3C				

All dimensions are in metres unless otherwise stated

All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP7 Sheet 1 of 1		
CLIENT BARNSELY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELY				
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN		LOGGED BY RR		JOB NO. 07/4678	
PIT DIMENSIONS A/C : 3.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION			0.30					
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD DEPTH TYPE RESULT			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH	
0.70	TUB		0.30	Grassed TOPSOIL (0.30)				
2.00	TUB			MADE GROUND comprising glass, plastic, rags, brick, metal, pottery, timber, concrete and gravel in sand				
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C				
N9			TRIAL PIT DRY					

All dimensions are in metres unless otherwise stated

CC Geotechnical		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP8 Sheet 1 of 1	
CLIENT BARNSELEY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELEY			
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN		LOGGED BY RR	JOB NO. 07/4678	
PIT DIMENSIONS A/C : 3.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
 Orientation			0.40				
			1.50				
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)		STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT					
0.70	TUB		0.40	Grassed TOPSOIL (0.40)			
				MADE GROUND comprising concrete, brick and gravel in sand (1.10)			
2.00	TUB		1.50	MADE GROUND comprising brick, rags, ash, glass, concrete, plastic and gravel in sand			
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C			
NS			TRIAL PIT DRY				

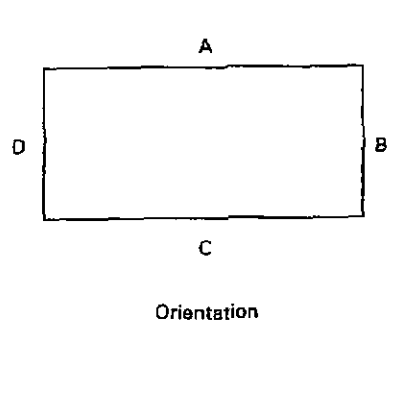
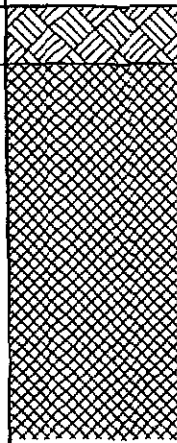
All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202		TRIAL PIT LOG		TRIAL PIT NO. TP10		
		Fax: 0151-523-0252				Sheet 1 of 1		
CLIENT				SITE				
BARNSELEY MBC				THE DEARNE HIGH SCHOOL, BARNSELEY				
DATE OF FIELDWORK		SCALE	LEVEL/POSITION			LOGGED BY	JOB NO.	
30/10/07-30/10/07		1:50	SEE LOCATION PLAN			RR	07/4678	
PIT DIMENSIONS		A/C : 3.00 B/D : 1.00	DEPTH	FACE A	FACE B	FACE C	FACE D	
		0.20						
		0.50						
FACE AND POSITION LOGGED ALL								
SAMPLE AND TEST RECORD			DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
DEPTH	TYPE	RESULT						
0.20			0.20	Grassed TOPSOIL (0.20)				
			0.50	MADE GROUND comprising brown silty sand (0.30)				
0.70	TUB			MADE GROUND comprising plastic, rags, brick, glass, pottery, clay, timber, ash, metal and gravel in sand				
2.00	TUB							
			3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C				
NS			TRIAL PIT DRY					

All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP11 Sheet 1 of 1	
CLIENT BARNSELEY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELEY			
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN			LOGGED BY RR	JOB NO. 07/4678
PIT DIMENSIONS A/C : 3.00 B/D : 1.00		DEPTH	FACE A	FACE B	FACE C	FACE D	
ORIENTATION 		0.40 					
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD DEPTH TYPE RESULT		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
		TUB	0.40	Grassed TOPSOIL (0.40)			
		TUB	0.40	MADE GROUND comprising brick, glass, plastic, rags, metal, clay and gravel in sand			
		TUB	3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING			
GROUNDWATER INFORMATION				EXCAVATION METHOD AND REMARKS			
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C			
NS			TRIAL PIT DRY				

All dimensions are in metres unless otherwise stated

		Tel: 0151-523-0202 Fax: 0151-523-0252		TRIAL PIT LOG		TRIAL PIT NO. TP12 Sheet 1 of 1	
CLIENT BARNSELEY MBC				SITE THE DEARNE HIGH SCHOOL, BARNSELEY			
DATE OF FIELDWORK 30/10/07-30/10/07		SCALE 1:50	LEVEL/POSITION SEE LOCATION PLAN			LOGGED BY RR	JOB NO. 07/4678
PIT DIMENSIONS A/C : 3.00 B/D : 1.00			DEPTH	FACE A	FACE B	FACE C	FACE D
ORIENTATION 			0.40				
FACE AND POSITION LOGGED ALL							
SAMPLE AND TEST RECORD DEPTH TYPE RESULT		DEPTH	DESCRIPTION OF STRATUM (thickness)			STRATUM NO.	WATER DEPTH
0.70 TUB		0.40	Grassed TOPSOIL (0.40)				
2.00 TUB			MADE GROUND comprising brick, glass, pottery, metal, ash, plastic, rags, paper, stone blocks and gravel in sand				
		3.00	TRIAL PIT TERMINATED - SIDES COLLAPSING				
GROUNDWATER INFORMATION			EXCAVATION METHOD AND REMARKS				
DEPTH STRUCK	ELAPSED TIME	WATER LEVEL	REMARKS ON GROUNDWATER	JCB 3C			
NS			TRIAL PIT DRY				

APPENDIX B
SOIL CONTAMINATION ANALYSES



The Harley Reed Building
Unit C, Drury Lane
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BA
Telephone (01424) 718618
Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

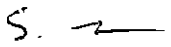
F.A.O. Richard Roberts
CC Geotechnical Ltd
Essex House, Bridle Road
Bootle, Liverpool
Merseyside. L30 4UE

Reporting Date: 13/11/2007

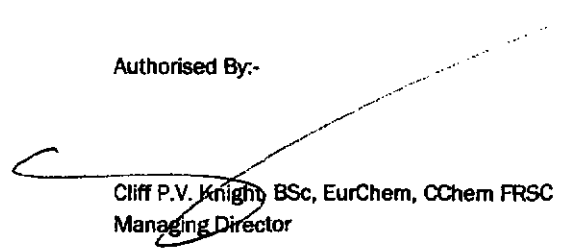
ANALYTICAL REPORT No. AR11371

Samples Received By:-	Courier
Samples Received:-	05/11/07
Your Project No:	07/4678
Site Location:	The Dearne High School, Barnsley
No Samples Received:-	4

Report Checked By:-


Steve Knight
Director

Authorised By:-


Cliff P.V. Knight BSc, EurChem, CChem FRSC
Managing Director

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



THE ENVIRONMENTAL LABORATORY LTD

The Harley Reed Building, Unit C, Drury Lane, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BA

Tel: 01424 718818 Fax: 01424 729911

ANALYTICAL REPORT No. AR11371

Location: The Dearne High School, Barnsley



Your Project No: 07/4678

Reporting Date: 13/11/07

F.A.O. Richard Roberts
CC Geotechnical Ltd
Essex House, Bridle Road
Bootle, Liverpool
Merseyside. L30 4UE

Soils

	Characteristic	Silt loam	Silt loam	Silt loam	Silt loam
	TP/BH	TP3	TP5	TP7	TP12
	Depth (m)	0.70	1.00	0.70	0.70
	Our ref	59971	59972	59973	59974
Arsenic**	(mg/kg)	28.1	72.7	70.2	50.8
Barium*	(mg/kg)	254	369	410	373
Beryllium*	(mg/kg)	2.4	5.3	5.4	5.3
Cadmium**	(mg/kg)	0.6	1.2	1.2	0.8
Chromium**	(mg/kg)	75	54	47	83
Lead**	(mg/kg)	129	235	277	154
Mercury**	(mg/kg)	<0.5	<0.5	<0.5	<0.5
Nickel**	(mg/kg)	44	93	86	66
Copper**	(mg/kg)	65	174	151	178
Zinc**	(mg/kg)	230	542	433	319
Selenium	(mg/kg)	1.5	1.6	2.2	2.3
Vanadium**	(mg/kg)	52	104	111	102
Water Soluble Boron*	(mg/kg)	2.6	5.3	4.7	6.4
pH Value**	(Units)	8.7	8.0	7.8	8.2
Total Sulphate	(mg/kg)	180	560	600	320
Water Soluble Sulphate**	(g/l as SO ₄)	0.24	1.85	1.59	0.92
Total Cyanide**	(mg/kg)	<1	1.6	<1	1.6
Free Cyanide	(mg/kg)	<1	<1	<1	<1
Complex Cyanide	(mg/kg)	<1	1.6	<1	1.6
Sulphide	(mg/kg)	7.0	9.7	5.5	82.8
Elemental Sulphur**	(mg/kg)	1808	1443	813	4383
Water Soluble Nitrate	(mg/kg)	<5	<5	14	11
Organic Matter*	(%)	4.4	4.4	4.4	5.2
Asbestos Identification	(%)	<0.001	<0.001	<0.001	<0.001

All results expressed on dry weight basis

** - MCERTS accredited test

* - UKAS accredited test

n/t - not tested

ur



THE ENVIRONMENTAL LABORATORY LTD

The Herley Reed Building, Unit C, Drury Lane, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BA

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. AR11371

Location: The Dearne High School, Barnsley



Your Project No: 07/4678

Reporting Date: 13/11/07

F.A.O. Richard Roberts
CC Geotechnical Ltd
Essex House, Bridle Road
Bootle, Liverpool
Merseyside. L30 4UE

Soils	Characteristic	Silt loam	Silt loam	Silt loam	Silt loam
	TP/BH	TP3	TP5	TP7	TP12
	Depth (m)	0.70	1.00	0.70	0.70
	Our ref	59971	59972	59973	59974
Naphthalene**	(mg/kg)	<0.1	<0.1	<0.1	0.6
Acenaphthylene**	(mg/kg)	0.2	<0.1	<0.1	1.5
Acenaphthene**	(mg/kg)	<0.1	<0.1	<0.1	1.1
Fluorene**	(mg/kg)	0.4	<0.1	<0.1	1.7
Phenanthrene**	(mg/kg)	1.5	6.3	0.3	26.0
Anthracene**	(mg/kg)	0.2	0.6	0.2	10.8
Fluoranthene**	(mg/kg)	3.4	14.1	1.0	34.7
Pyrene**	(mg/kg)	2.4	9.9	1.1	24.2
Benzo(a)anthracene**	(mg/kg)	1.1	5.0	0.7	15.8
Chrysene**	(mg/kg)	2.2	1.9	2.3	17.8
Benzo(b)fluoranthene**	(mg/kg)	<0.1	1.6	1.1	7.8
Benzo(k)fluoranthene**	(mg/kg)	2.4	3.6	0.7	13.3
Benzo(a)pyrene**	(mg/kg)	1.0	3.2	0.5	12.7
Indeno(123-cd)pyrene**	(mg/kg)	1.4	3.7	1.1	6.8
Dibenz(ah)anthracene**	(mg/kg)	<0.1	1.2	<0.1	2.6
Benzo(ghi)perylene**	(mg/kg)	0.9	4.0	1.1	7.7
Total PAH**	(mg/kg)	17.2	54.9	10.1	185.3

All results expressed on dry weight basis

** - MCERTS accredited test



F.A.O. Richard Roberts
CC Geotechnical Ltd
Essex House, Bridle Road
Bootle, Liverpool
Merseyside. L30 4UE

THE ENVIRONMENTAL LABORATORY LTD

The Herley Reed Building, Unit C, Drury Lane, Ponswood Industrial Estate, St Leonard's on Sea, East Sussex, TN38 9BA

Tel: 01424 718818 Fax: 01424 728911

ANALYTICAL REPORT No. AR11371

Location: The Dearne High School, Barnsley



Your Project No: 07/4678

Reporting Date: 13/11/07

TPH.CWG - Soil

		Characteristic TP/BH	Silt loam TP3	Silt loam TP5	Silt loam TP7	Silt loam TP12
		Depth (m)	0.70	1.00	0.70	0.70
		Our ref	59971	59972	59973	59974
Aromatic						
>EC ₆ -EC ₇	(mg/kg)		<0.01	<0.01	<0.01	<0.01
>EC ₇ -EC ₈	(mg/kg)		<0.01	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀	(mg/kg)		<1	<1	<1	<1
>EC ₁₀ -EC ₁₂	(mg/kg)		<1	<1	<1	1
>EC ₁₂ -EC ₁₈	(mg/kg)		<1	<1	<1	14
>EC ₁₈ -EC ₂₁	(mg/kg)		5	5	3	62
>EC ₂₁ -EC ₂₈	(mg/kg)		39	61	49	357
Aliphatic						
>EC ₆ -EC ₈	(mg/kg)		<0.01	<0.01	<0.01	<0.01
>EC ₈ -EC ₁₀	(mg/kg)		<0.01	<0.01	<0.01	<0.01
>EC ₁₀ -EC ₁₂	(mg/kg)		0.2	<0.1	<0.1	5.6
>EC ₁₂ -EC ₁₈	(mg/kg)		1	<1	<1	85
>EC ₁₈ -EC ₂₁	(mg/kg)		2	1	<1	311
>EC ₂₁ -EC ₂₈	(mg/kg)		57	117	85	1487
TPH (C ₆ - C ₂₈)**	(mg/kg)		104.3	183.9	137.1	2324.0

Accredited for TPH only, not banding
All results expressed on dry weight basis

** - MCERTS accredited test

120



The Harley Reed Building
Unit C, Drury Lane
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BA
Telephone (01424) 718618
Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number AR11371
Your Project No: 07/4678
Sample Receipt Date: 05/11/07
Reporting Date: 13/11/07
Registered: 05/11/07
Prepared: 06/11/07
Analysis complete: 13/11/07

TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Arsenic**	Air dried sample	08/11/07	118	ICPMS
Barium*	Air dried sample	08/11/07	118	ICPMS
Beryllium*	Air dried sample	08/11/07	118	ICPMS
Cadmium**	Air dried sample	08/11/07	118	ICPMS
Chromium**	Air dried sample	08/11/07	118	ICPMS
Lead**	Air dried sample	08/11/07	118	ICPMS
Mercury**	Air dried sample	08/11/07	118	ICPMS
Nickel**	Air dried sample	08/11/07	118	ICPMS
Copper**	Air dried sample	08/11/07	118	ICPMS
Zinc**	Air dried sample	08/11/07	118	ICPMS
Selenium	Air dried sample	08/11/07	118	ICPMS
Vanadium**	Air dried sample	08/11/07	118	ICPMS
Water Soluble Boron*	Air dried sample	08/11/07	112	ICPMS
pH Value**	Air dried sample	08/11/07	113	Probe
Total Sulphate	Air dried sample	08/11/07	115	Turbidity
Water Soluble Sulphate**	Air dried sample	08/11/07	172	Turbidity
Total Cyanide**	As submitted sample	09/11/07	106	Colorimetry
Free Cyanide	As submitted sample	09/11/07	107	Colorimetry
Complex Cyanide	As submitted sample	09/11/07	145	Colorimetry
Sulphide	As submitted sample	12/11/07	109	Colorimetry
Elemental Sulphur**	Air dried sample	08/11/07	122	HPLC
Water Soluble Nitrate	Air dried sample	08/11/07	172	Ion Chromatography
Organic Matter*	Air dried sample	08/11/07	111	BS1377
Asbestos Identification	As submitted sample	12/11/07	120	Microscopy
Speciated PAH**	As submitted sample	09/11/07	133	Gas Chromatography
TPH (C6 - C40)**	As submitted sample	06/11/07	117	Gas Chromatography
TPH CWS	As submitted sample	06/11/07	117	Gas Chromatography

Accredited for TPH only, not banding

* = UKAS Accredited test

** - MCERTS Accredited test

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

Any comments, opinions, or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

Ground Investigation at

Project No: 07/4678

The Dearne High School, Barnsley

January 2008

APPENDIX C

SOIL CONTAMINATION ASSESSMENT

TABLE 1 - CONTAMINATION DATA

Job Number: 07/4878

Created by: P Brew

Site: The Deame High School

Reviewed by: C Bolan

Sampling Location:	TP3	TP5	TP7	TP12	SGV/GAC/SSAC
Area represented by sample (m ²):	0	0	0	0	
Depth (m):	0.70	1.00	0.70	0.70	(mg/kg)
Arsenic	(mg/kg) 28.1	72.7	70.2	50.8	20
Barium	(mg/kg) 254.1	389.0	410.2	373.0	13000
Beryllium	(mg/kg) 2.4	5.3	5.4	5.3	84
Cadmium	(mg/kg) 0.6	1.2	1.2	0.8	30
Chromium	(mg/kg) 74.9	53.5	47.2	83.2	200
Lead	(mg/kg) 129.2	235.4	277.2	153.9	450
Mercury	(mg/kg) 0.5	0.5	0.5	0.5	15
Nickel	(mg/kg) 43.5	92.6	86.2	66.1	75
Copper	(mg/kg) 64.5	174.3	151.3	177.8	2000
Zinc	(mg/kg) 229.7	541.7	432.8	318.5	8000
Selenium	(mg/kg) 1.5	1.6	2.2	2.3	260
Vanadium	(mg/kg) 52.3	103.8	110.7	102.1	140
Water Soluble Boron	(mg/kg) 2.6	5.3	4.7	6.4	N/A
pH Value	(Units) 8.7	8.0	7.8	8.2	N/A
Total Sulphate	(mg/kg) 180.0	560.0	600.0	320.0	N/A
Water Soluble Sulphate	(g/l as SO ₄) 0.24	1.85	1.59	0.92	N/A
Total Cyanide	(mg/kg) 1.0	1.6	1.0	1.6	120
Free Cyanide	(mg/kg) 1.0	1.0	1.0	1.0	120
Complex Cyanide	(mg/kg) 1.0	1.6	1.0	1.6	120
Sulphide	(mg/kg) 7.0	9.7	5.5	82.8	N/A
Elemental Sulphur	(mg/kg) 1808.3	1442.6	813.4	4383.0	N/A
Water Soluble Nitrate	(mg/kg) 5.0	5.0	14.5	11.5	N/A
Organic Matter	(%) 4.4	4.4	4.4	5.2	N/A
Asbestos Identification	(%) 0.0	0.0	0.0	0.0	N/A
Naphthalene	(mg/kg) 0.1	0.1	0.1	0.6	6.9
Acenaphthylene	(mg/kg) 0.2	0.1	0.1	1.5	6500
Acenaphthene	(mg/kg) 0.1	0.1	0.1	1.1	3900
Fluorene	(mg/kg) 0.4	0.1	0.1	1.7	2600
Phenanthrene	(mg/kg) 1.5	6.3	0.3	26.0	16
Anthracene	(mg/kg) 0.2	0.6	0.2	10.8	19000
Fluoranthene	(mg/kg) 3.4	14.1	1.0	34.7	2600
Pyrene	(mg/kg) 2.4	9.9	1.1	24.2	1900
Benz(a)anthracene	(mg/kg) 1.1	5.0	0.7	15.8	4.7
Chrysene	(mg/kg) 2.2	1.9	2.3	17.8	120
Benzo(b)fluoranthene	(mg/kg) 0.1	1.6	1.1	7.8	8.4
Benzo(k)fluoranthene	(mg/kg) 2.4	3.6	0.7	13.3	11
Benzo(a)pyrene	(mg/kg) 1.0	3.2	0.5	12.7	0.96
Indeno(123-cd)pyrene	(mg/kg) 1.4	3.7	1.1	6.8	12
Dibenz(ah)anthracene	(mg/kg) 0.1	1.2	0.1	2.6	1.2
Benzo(ghi)perylene	(mg/kg) 0.9	4.0	1.1	7.7	5.8
Total PAH	(mg/kg) 17.2	54.9	10.1	185.3	N/A
Aromatic EC5-EC7	(mg/kg) 0.01	0.01	0.01	0.01	0.076
Aromatic EC7-EC8	(mg/kg) 0.01	0.01	0.01	0.01	3
Aromatic EC8-EC10	(mg/kg) 1.0	1.0	1.0	1.0	2.3
Aromatic EC10-EC12	(mg/kg) 1.0	1.0	1.0	1.0	14
Aromatic EC12-EC16	(mg/kg) 1.0	1.0	1.0	14.5	72
Aromatic EC16-EC21	(mg/kg) 5.2	4.5	2.9	61.7	280
Aromatic EC21-EC35	(mg/kg) 39.3	61.1	49.3	357.2	400
Aliphatic EC5-EC8	(mg/kg) 0.01	0.01	0.01	0.01	2.1
Aliphatic EC8-EC8	(mg/kg) 0.01	0.01	0.01	0.01	5.3
Aliphatic EC8-EC10	(mg/kg) 0.2	0.1	0.1	5.6	1.4
Aliphatic EC10-EC12	(mg/kg) 1.0	1.0	1.0	85.1	8.6
Aliphatic EC12-EC16	(mg/kg) 1.9	1.4	1.0	311.3	42
Aliphatic EC16-EC35	(mg/kg) 58.6	116.8	84.8	1487.5	120000.0
TPH (C6 - C40)	(mg/kg) 104.3	183.9	137.1	2324.0	N/A

TABLE 2 - CONTAMINATION DATA (REVISED SSAC's)

Job Number: 07/4678

Site: The Dearne High School

Created by: P Brew

Reviewed by: C Bolan

Sampling Location:		TP3	TP5	TP7	TP12	SSAC
Depth (m):		0.70	1.00	0.70	0.70	(mg/kg)
Area Represented by Sample (m ²):						
Surficial Ground Sample (Y/N):		Y	Y	Y	Y	
Arsenic	(mg/kg)	28.1	72.7	70.2	50.8	100
Barium	(mg/kg)	254.1	369.0	410.2	373.0	74000
Beryllium	(mg/kg)	2.4	5.3	5.4	5.3	470
Cadmium	(mg/kg)	0.6	1.2	1.2	0.8	260
Chromium	(mg/kg)	74.9	53.5	47.2	83.2	870
Lead	(mg/kg)	129.2	235.4	277.2	153.9	450
Mercury	(mg/kg)	0.5	0.5	0.5	0.5	100
Nickel	(mg/kg)	43.5	92.6	86.2	66.1	360
Copper	(mg/kg)	64.5	174.3	151.3	177.8	9800
Zinc	(mg/kg)	229.7	541.7	432.8	318.5	38000
Selenium	(mg/kg)	1.5	1.6	2.2	2.3	18000
Vanadium	(mg/kg)	52.3	103.8	110.7	102.1	770
Water Soluble Boron	(mg/kg)	2.6	5.3	4.7	6.4	N/A
pH Value	(Unitless)	8.7	8.0	7.8	8.2	N/A
Total Sulphate	(mg/kg)	180.0	560.0	600.0	320.0	N/A
Water Soluble Sulphate	(g/l as SO ₄)	0.241	1.845	1.591	0.917	N/A
Total Cyanide	(mg/kg)	1.0	1.6	1.0	1.6	22
Free Cyanide	(mg/kg)	1.0	1.0	1.0	1.0	22
Complex Cyanide	(mg/kg)	1.0	1.6	1.0	1.6	22
Sulphide	(mg/kg)	7.0	9.7	5.5	82.8	N/A
Elemental Sulphur	(mg/kg)	1808.3	1442.6	813.4	4383.0	N/A
Water Soluble Nitrate	(mg/kg)	5.0	5.0	14.5	11.5	N/A
Organic Matter	(%)	4.4	4.4	4.4	5.2	N/A
Asbestos Identification	(%)	0.001	0.001	0.001	0.001	N/A
Naphthalene	(mg/kg)	0.1	0.1	0.1	0.6	5900
Acenaphthylene	(mg/kg)	0.2	0.1	0.1	1.5	30000
Acenaphthene	(mg/kg)	0.1	0.1	0.1	1.1	18000
Fluorene	(mg/kg)	0.4	0.1	0.1	1.7	12000
Phenanthrene	(mg/kg)	1.5	6.3	0.3	26.0	2300
Anthracene	(mg/kg)	0.2	0.6	0.2	10.8	89000
Fluoranthene	(mg/kg)	3.4	14.1	1.0	34.7	12000
Pyrene	(mg/kg)	2.4	9.9	1.1	24.2	8900
Benzo(a)anthracene	(mg/kg)	1.1	5.0	0.7	15.8	47
Chrysene	(mg/kg)	2.2	1.9	2.3	17.8	580
Benzo(b)fluoranthene	(mg/kg)	0.1	1.6	1.1	7.8	560
Benzo(k)fluoranthene	(mg/kg)	2.4	3.6	0.7	13.3	580
Benzo(a)pyrene	(mg/kg)	1.0	3.2	0.5	12.7	5.7
Indeno(123-cd)pyrene	(mg/kg)	1.4	3.7	1.1	6.8	58
Dibenz(ah)anthracene	(mg/kg)	0.1	1.2	0.1	2.6	5.8
Benzo(ghi)perylene	(mg/kg)	0.9	4.0	1.1	7.7	54
Total PAH	(mg/kg)	17.2	54.9	10.1	185.3	N/A
Aromatic EC5-EC7	(mg/kg)	0.01	0.01	0.01	0.01	67
Aromatic EC7-EC8	(mg/kg)	0.01	0.01	0.01	0.01	N/A
Aromatic EC8-EC10	(mg/kg)	1.0	1.0	1.0	1.0	2500
Aromatic EC10-EC12	(mg/kg)	1.0	1.0	1.0	1.0	25000
Aromatic EC12-EC16	(mg/kg)	1.0	1.0	1.0	14.5	25000
Aromatic EC16-EC21	(mg/kg)	5.2	4.5	2.9	61.7	1900
Aromatic EC21-EC35	(mg/kg)	39.3	61.1	49.3	357.2	1900
Aliphatic EC5-EC6	(mg/kg)	0.01	0.01	0.01	0.01	310000
Aliphatic EC6-EC8	(mg/kg)	0.01	0.01	0.01	0.01	310000
Aliphatic EC8-EC10	(mg/kg)	0.2	0.1	0.1	5.6	6300
Aliphatic EC10-EC12	(mg/kg)	1.0	1.0	1.0	85.1	6300
Aliphatic EC12-EC16	(mg/kg)	1.9	1.4	1.0	311.3	6300
Aliphatic EC16-EC35	(mg/kg)	56.6	116.8	84.8	1487.5	120000
TPH (C8 - C40)	(mg/kg)	104.3	183.9	137.1	2324.0	N/A

APPENDIX D
NOTES ON LIMITATIONS

**Standard Terms and Conditions of Engagement
Notes on Limitations
For
Geoenvironmental and Geotechnical Consultancy Services**

General

CC GEOTECHNICAL LTD has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from CC GEOTECHNICAL and a charge may be levied against such approval.

CC GEOTECHNICAL LTD accepts no responsibility or liability for:

1. the consequences of this document being used for any purpose or project other than for which it was commissioned and/or
2. the consequences of use of this document by any party with whom an agreement has not been executed.

Phase I Environmental Audits / Desk Studies

The work undertaken to provide the basis of a Phase 1 Desk Study report comprises a study of available documented information from a variety of sources (including the client), together with (where appropriate) a brief walk over inspection of the site and meetings and discussions with relevant authorities and other interested parties. The opinions given in a Desk Study report have been dictated by finite data on which they are based and are relevant only to the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in the report, CC GEOTECHNICAL LTD reserves the right to review such information and to modify the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

Phase II Environmental Audits

The investigation of the site has been carried out with the intention of providing sufficient information concerning the type and degree of contamination, and ground and groundwater conditions to allow a reasonable risk assessment to be made. The objectives of the investigation have been limited to establishing the risks associated to potential human targets, building materials, the environment (including adjacent land), and surface and groundwater.

The amount of exploratory work and chemical testing undertaken may have been restricted by the timescale available, and the locations of the exploratory holes may have been restricted to areas unoccupied by the building(s) on the site, and further restricted by the existence of buried services. A more comprehensive investigation may be required if the site is to be redeveloped as, in addition to risk assessment, a number of important engineering and environmental issues may need to be resolved.

For those reasons, if costs have been included in relation to site remediation these must be considered as tentative only and must, in any event, be confirmed by a qualified quantity surveyor.

The exploratory holes undertaken, investigate only a small volume of the ground in relation to the size of the site, and can only provide a general indication of site conditions. The number of sampling points and the methods of sampling and testing do not preclude the existence of localised "hotspots" of contamination where concentrations may be significantly higher than those actually encountered.

Geoenvironmental Ground Investigations

The investigation of the site has been carried out to provide sufficient information within the agreed scope of the investigation, under the general headings of type and degree of contamination, geotechnical characteristics, and ground and groundwater conditions, to provide a reasonable assessment of the environmental risks together with engineering and development implications.

If costs have been included in relation to the site remediation, these must be confirmed by a qualified quantity surveyor.

The exploratory holes undertaken, investigate only a small volume of the ground in relation to the size of the site, and can only provide a general indication of the site conditions. The opinions provided and recommendations given in this report are based on the ground conditions apparent at the site of each of the exploratory holes. There may be ground conditions present on the site which have not been disclosed by this investigation, and which have therefore not been taken into account in this report.

The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that groundwater levels will vary owing to seasonal, tidal, weather, or other effects.

The risk assessment and opinions provided, inter alia, take into consideration currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.

Contract No	F15308	Method	Window Sampling	Coordinates	-
Project	The Deame High School				-
		Sampling Rig		Ground Level	-
Client	HBG Construction	Driller		Orientation	Vertical
		Logged by	JG	Date Started	-
Consultant	Gifford			Date Completed	-

Description of Strata	Legend	Depth Below G.L.	Datum Level	Sample type and depth	Progress	Installation
TOPSOIL		0.15		D1 0.10		
MADE GROUND: Grey sandy gravel. Gravel sized fragments are angular to subrounded fine to coarse of concrete		0.50		D2 0.50		
MADE GROUND: Grey and white gravelly clay. Gravel sized fragments are angular fine to coarse of brick, ash and chalk		1.00		D3 1.00		
MADE GROUND: Dark grey and reddish brown gravelly clay. Gravel sized fragments are angular fine to coarse of ash, clinker, slag, glass and metal				D4 3.00		
Stiff grey CLAY		5.20				
Sampling complete at 5.90 m		5.90				

WATER STRIKES								GENERAL NOTES	
Date	Time	Strike at depth	Rise to depth	Time taken to rise	Flow	Casing depth at strike time	Casing depth to seal flow		

NOTES: All depths in metres, all diameters in millimetres.
Water strike rise time in minutes. See legend sheet for key to symbols

Form ARBAL WINDOW LOG
Version 3.07
Revised 13/02/2008

Date Completed

Sampling complete at 6 00 m

GENERAL NOTES

Form	AFIAL WINDOW LOG
Version	3.07
Revised	13/02/2008

Contract No	F15308	Method	Window Sampling	Coordinates	-
Project	The Dearne High School				-
		Sampling Rig		Ground Level	-
Client	HGB Construction	Driller		Orientation	Vertical
		Logged by	JG	Date Started	-
Consultant	Gifford			Date Completed	-

Description of Strata	Legend	Depth Below G.L.	Datum Level	Sample type and depth	Progress	Installation
TOPSOIL		0.20		D1 0.10		
MADE GROUND: White sandy gravel with cobbles Gravel sized fragments are angular fine to coarse of limestone. Cobbles are angular of limestone		0.45		D2 0.50		
MADE GROUND: Brown clayey gravel. Gravel sized fragments are angular fine to coarse of brick and mudstone.		0.85		D3 1.00		
MADE GROUND: Black and brown gravelly clay Gravel sized fragments are angular fine to coarse of ash, slag, plastic and mudstone		1.80				
Firm bluish grey mottled brown CLAY				D4 3.00		
		5.50				
Sampling complete at 5.50 m						

WATER STRIKES								GENERAL NOTES	
Date	Time	Strike at depth	Rise to depth	Time taken to rise	Flow	Casing depth at strike time	Casing depth to seal flow		

NOTES: All depths in metres, all diameters in millimetres,
Water strike rise time in minutes. See legend sheet
for key to symbols

Form	ARIAL WINDOW LOG
Version	3.07
Revised	13/02/2008

Contract No F15308
Project The Dearne High School

Method	Hand Excavated
--------	----------------

Coordinates

Equipment	Hand Tools
------------------	-------------------

Ground Level -

Client HBG Construction

Logged by JG

Date Started -

Consultant Gifford

Date Completed -

Description of Strata	Legend	Depth Below G.L.	Datum Level	Sampling	Notes
Clayey TOPSOIL		0.30	ES1	0.15	
Inspection pit complete at 0.30 m					

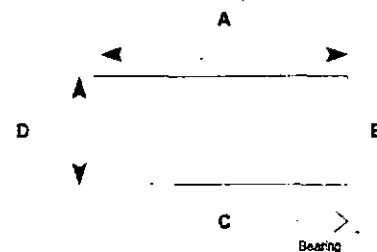
Stability	All faces stable
-----------	------------------

Shoring None used

Groundwater None encountered during excavation

Remarks	1 Sample comprised 1 glass jar, 1 plastic tub and 1 vial
---------	--

Sketch Plan of Inspection Pit



Hand Vane Test Readings

Depth	HV Post	HV Remoulded	Remarks

REMARKS - All depths in metres, all soil strengths in KPa

See legend sheet for key to symbols and abbreviations

AS bearings given relate to magnetic north

Form	ARIAL PLOG
------	------------

Vers on 3.04

Revised 12/02/2008

Coordinates	-
Ground Level	-
Date Started	-
Date Completed	-

REMARKS - All depths in metres all soil strengths in kPa
See legend sheet for key to symbols and abbreviations
All bearings given relate to magnetic north

Contract No	F15308	Method	Hand Excavated	Coordinates	-
Project	The Deame High School	Equipment	Hand Tools	Ground Level	-
Client	HBG Construction	Logged by	JG	Date Started	-
Consultant	Gifford			Date Completed	-

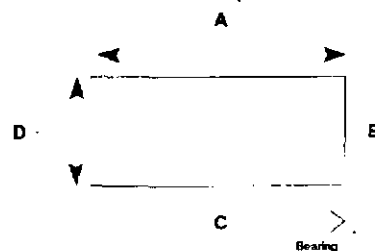
Description of Strata	Legend	Depth Below GL	Datum Level	Sampling	Notes
Clayey TOPSOIL		0.30		ES1 0.15	
Inspection pit complete at 0.30 m					

Stability All faces stable

Shoring None used

Groundwater None encountered during excavation

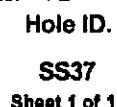
Remarks 1 Sample comprised 1 glass jar 1 plastic tub and 1 vial

Sketch Plan of Inspection Pit

Hand Vane Test Readings

Depth	HV Peak	HV Remoulded	Remarks

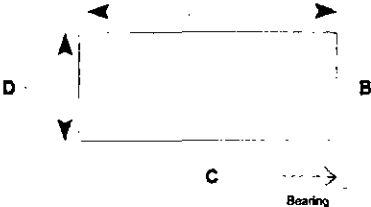
REMARKS - All depths in metres all soil strengths in KPa
See legend sheet for key to symbols and abbreviations
All bearings given relate to magnetic north

Form ARIAL IP LOG
Version 3.04
Revised 12/02/2008



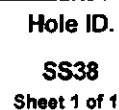
Contract No	F15308	Method	Hand Excavated	Coordinates	-
Project	The Deame High School				-
		Equipment	Hand Tools	Ground Level	-
Client	HBG Construction			Date Started	-
		Logged by	JG	Date Completed	-
Consultant	Gifford				

Description of Strata	Legend	Depth Below G L	Datum Level	Sampling	Notes
Clayey TOPSOIL		0.30		FS1 0.15	
Inspection pit complete at 0.30 m					

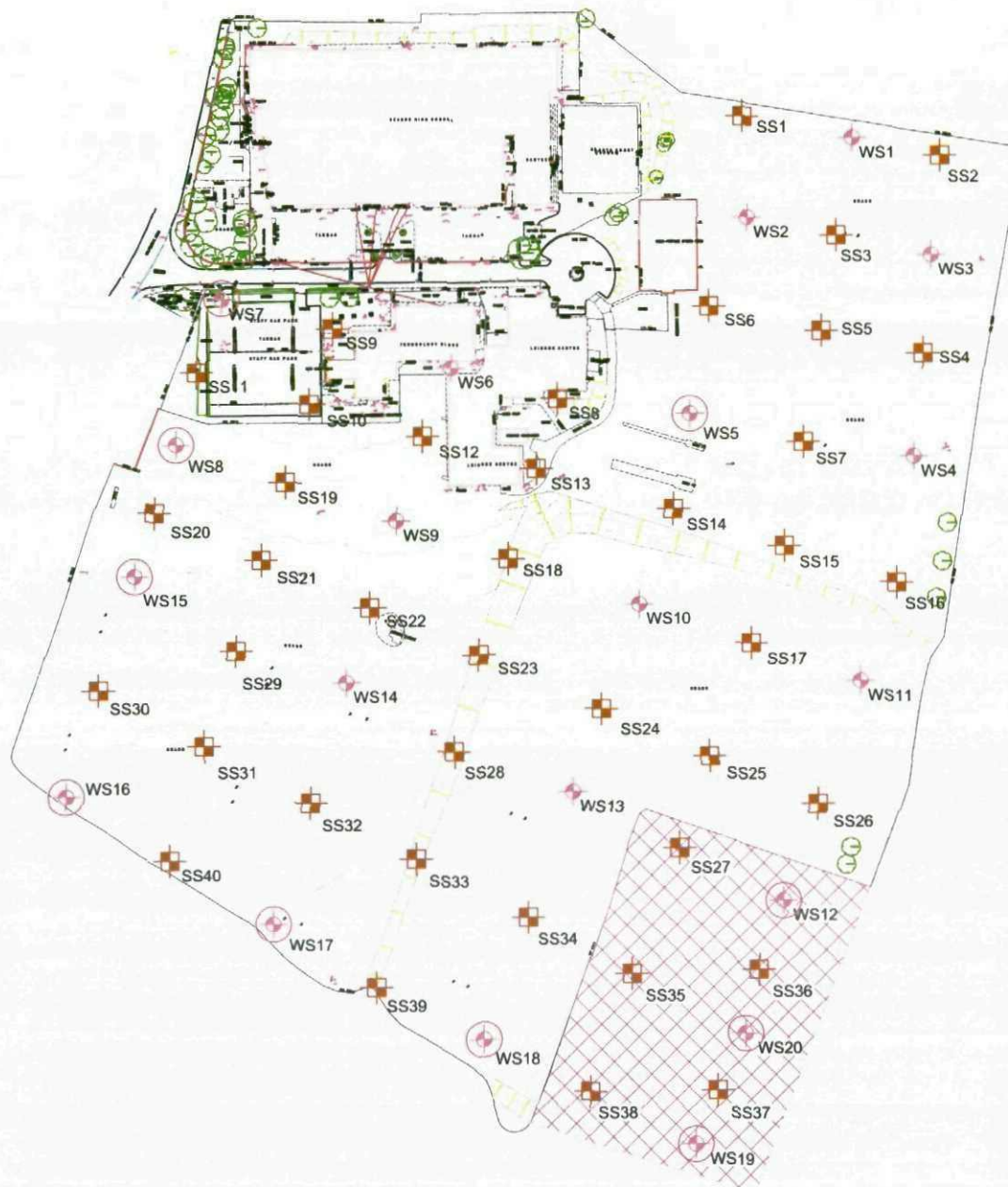
Stability	All faces stable	Sketch Plan of Inspection Pit 								
Shoring	None used									
Groundwater	None encountered during excavation									
Remarks	1 Sample comprised 1 glass jar, 1 plastic tub and 1 vial	Hand Vane Test Readings <table><tr><th>Depth</th><th>HV Peak</th><th>HV Remoulded</th><th>Remarks</th></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>	Depth	HV Peak	HV Remoulded	Remarks				
Depth	HV Peak	HV Remoulded	Remarks							

REMARKS - All depths in metres all soil strengths in KPa
See legend sheet for key to symbols and abbreviations
All bearings given relate to magnetic north

Form	ARIAL IP LOG
Version	1.04
Revised	12/02/2006



Form	ARIAL PLOG
Version	3.04
Revised	12/02/2008



NOTES

1. All exploratory hole locations are indicative and should not be scaled.

Key

- Surface sample
- Window sample location
- Monitoring well installation
- Historical landfill site (No Topo Data)

FOR INFORMATION			
Rev.	SKR	CLP	APPROVED
Drawn	CLP	APPROVED	DATE
Description			
Client			
 BARNSELY Metropolitan Borough Council			
Project			
BARNSELY BSF DEARNE			
Drawing Title			
EXPLORATORY HOLE LOCATION PLAN			
			
20 Nicholas Street, Chester, CH1 2NK Tel: 01244 311885 Fax: 01244 311885 www.gifford.co.uk			
scale (at A3)	date	drawn	
1:2000	AUG.2008	SKR	
drg. no.	rev.		
14393/IR/02	-		

10 0 10 20 50 100mm NATURAL SCALE

ORIGINAL DRAWING SIZE 420 x 297



ALcontrol Laboratories Analytical Services

Sample Descriptions

Job Number: 08/12879/02/01

Client: Gifford

Client Ref : 14393

Grain sizes

<0.063mm	Very Fine
0.1mm - 0.063mm	Fine
0.1mm - 2mm	Medium
2mm - 10mm	Coarse
>10mm	Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
SS1	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS2	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS3	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS4	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS5	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS6	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS7	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS8	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS9	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS 10	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	1
SS 12	0.15	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Stones	1
SS13	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS 14	0.10	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Vegetation	1
SS 15	0.20	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
SS 16	0.20	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
SS17	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS18	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS 19	0.10	Brown	0.1mm - 2mm	Sandy Loam with some Vegetation	1
SS 20	0.10	Dark Brown	0.1mm - 2mm	Sandy Loam with some Stones	1
SS21	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Crushed Brick	2
SS22	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS23	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS24	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS25	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS26	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS 27	0.15	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Vegetation	1
SS28	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS29	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS 30	0.15	Brown	0.1mm - 2mm	Loam (topsoil) with some Vegetation	1
SS31	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS32	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS33	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS34	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2

* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

¹ Sample Description supplied by client

ALcontrol Laboratories Analytical Services

Sample Descriptions

Job Number: 08/12879/02/01

Client: Gifford

Client Ref : 14393

Grain sizes

<0.063mm	Very Fine
0.1mm - 0.063mm	Fine
0.1mm - 2mm	Medium
2mm - 10mm	Coarse
>10mm	Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
SS 35	0.15	Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	1
SS 36	0.15	Brown	0.1mm - 2mm	Sandy Loam with some Vegetation	1
SS 37	0.15	Brown	0.1mm - 2mm	Loam (topsoil) with some Vegetation	1
SS 38	0.15	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
SS39	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS40	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
SS54	0.10	Brown	0.1mm - 0.063mm	Loam (topsoil) with some Vegetation	2
WS 1	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
WS 1	1.00	Brown	<0.063mm	Clay	1
WS 2	0.10	Brown	0.1mm - 0.063mm	Silt Loam with some Vegetation	1
WS 2	0.5	Beige	0.1mm - 0.063mm	Silty Clay	1
WS 3	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
WS 3	0.50	Light Brown	<0.063mm	Clay	1
WS 4	0.50	Brown	0.1mm - 0.063mm	Silty Clay	1
WS 5	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
WS 5	0.50	Brown	0.1mm - 0.063mm	Silty Clay	1
WS 6	0.10	Brown	0.1mm - 0.063mm	Sandy Silt Loam with some Vegetation	1
WS 6	1.00	Brown	0.1mm - 0.063mm	Silt Loam	1
WS 7	0.10	Brown	0.1mm - 2mm	Loam (topsoil) with some Stones	1
WS 7	0.50	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
WS 8	0.10	Brown	0.1mm - 2mm	Sandy Loam with some Stones	1
WS 8	0.50	Brown	0.1mm - 0.063mm	Silt Loam with some Stones	1
WS 9	0.10	Brown	0.1mm - 2mm	Loam (topsoil) with some Vegetation	1
WS 9	1.00	Brown	0.1mm - 2mm	Sandy Loam with some Stones	1
WS 10	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Vegetation	1
WS 10	0.50	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	1
WS 11	0.10	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Stones	1
WS 11	1.00	Dark Brown	0.1mm - 2mm	Sandy Loam with some Clinker	1
WS 12	0.10	Brown	0.1mm - 2mm	Loam (topsoil) with some Vegetation	1
WS 12	3.00	Brown	0.1mm - 2mm	Loam (topsoil) with some Clinker	1
WS 13	0.10	Brown	0.1mm - 2mm	Loam (topsoil) with some Stones	1
WS 13	0.50	Light Brown	0.1mm - 0.063mm	Silty Clay with some Stones	1
WS 14	0.10	Brown	0.1mm - 0.063mm	Silty Clay with some Stones	1

* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

¹ Sample Description supplied by client

Sample Descriptions

Job Number: 08/12879/02/01

Client: Gifford

Client Ref: 14393

Grain sizes

<0.063mm Very Fine

0.1mm - 0.063mm Fine

0.1mm - 2mm Medium

2mm - 10mm Coarse

>10mm Very Coarse

[illegible]

* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

¹ Sample Description supplied by client

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
^M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	Method Code	LoD/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		
Sample Received Date	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08		
Batch	2	2	2	2	2	2	2	2	2		
Sample Number(s)	271-273	274-276	277-279	283-285	286-288	289-291	292-294	295-297	298-300		
Arsenic	33	33	41	27	31	20	20	27	20	TM129 ^M	<3.0 mg/kg
Cadmium	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	TM129	<0.2 mg/kg
Chromium	25	23	23	23	23	23	22	20	22	TM129 ^M	<4.5 mg/kg
Copper	38	41	46	32	42	27	28	36	41	TM129 ^M	<6 mg/kg
Lead	53	52	54	45	53	37	44	54	120	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	21	21	23	20	25	27	17	19	22	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 ^M	<3 mg/kg
Vanadium	40	35	38	34	33	33	32	29	27	TM129 ^M	<1.5 mg/kg
Zinc	130	140	140	120	120	120	110	120	120	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2.1 Extract	0.012	0.021	<0.003	<0.003	0.006	<0.003	<0.003	0.003	<0.003	TM098 ^M	<0.003 g/l
Phenols Monohydric	-	-	-	-	<0.15	-	-	<0.15	-	TM062 ^M	<0.15 mg/kg
Total Cyanide	-	-	-	-	<1	-	-	<1	-	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	No Fibres Detected	-	-	-	-	TM001	NONE
Fraction of Organic Carbon	0.086	0.10	0.094	0.065	0.085	0.045	0.041	0.11	0.052	TM132 ^M	<0.002 NONE
pH Value	7.58	7.17	6.77	6.76	6.94	7.57	6.70	7.66	7.56	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

ISO 17025 accredited

Table Of Results

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	Method Code	Lob/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		
Sample Received Date	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08		
Batch	2	2	2	2	2	2	2	2	2		
Sample Number(s)	271-273	274-276	277-279	283-285	286-288	289-291	292-294	295-297	298-300		
GRO (C4-C12)	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
MTBE	-	-	-	-	<10	-	-	<10	-	TM089 [#]	<10 ug/kg
Benzene	-	-	-	-	<10	-	-	<10	-	TM089 [#] _M	<10 ug/kg
Toluene	-	-	-	-	<10	-	-	<10	-	TM089 [#] _M	<10 ug/kg
Ethyl benzene	-	-	-	-	<10	-	-	<10	-	TM089 [#] _M	<10 ug/kg
m & p Xylene	-	-	-	-	<10	-	-	<10	-	TM089 [#] _M	<10 ug/kg
o Xylene	-	-	-	-	<10	-	-	<10	-	TM089 [#] _M	<10 ug/kg
Aliphatics C5-C6	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aliphatics >C6-C8	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aliphatics >C8-C10	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aliphatics >C10-C12	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aliphatics >C12-C16	-	-	-	-	1200	-	-	7800	-	TM173 [#]	<100 ug/kg
Aliphatics >C16-C35	-	-	-	-	8200	-	-	29000	-	TM173	<100 ug/kg
Aliphatics >C35-C44	-	-	-	-	<100	-	-	<100	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	-	-	-	-	9300	-	-	37000	-	TM61/89	<100 ug/kg
Aromatics C6-C7	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aromatics >C7-C8	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	-	-	-	-	<10	-	-	<10	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	-	-	-	-	5600	-	-	7300	-	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	-	-	-	-	9600	-	-	17000	-	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	-	-	-	-	63000	-	-	85000	-	TM173 [#]	<100 ug/kg
Aromatics >EC35-EC44	-	-	-	-	6000	-	-	13000	-	TM173	<100 ug/kg
Total Aromatics C6-C44	-	-	-	-	84000	-	-	120000	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	-	-	-	-	93000	-	-	160000	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	Method Code	LoD/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		
Sample Received Date	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08		
Batch	2	2	2	2	2	2	2	2	2		
Sample Number(s)	271-273	274-276	277-279	283-285	286-288	289-291	292-294	295-297	298-300		
PAH by GC-FID											
Naphthalene	0.42	0.59	1.1	0.39	0.55	0.23	0.34	0.96	0.31	TM142	<0.05 mg/kg
Acenaphthylene	0.29	0.57	0.91	0.46	0.68	0.29	0.34	1.0	0.55	TM142	<0.05 mg/kg
Acenaphthene	<0.05	0.17	0.07	0.07	<0.05	<0.05	<0.05	0.08	0.10	TM142	<0.05 mg/kg
Fluorene	0.17	0.18	0.10	<0.05	0.19	<0.05	<0.05	<0.05	0.07	TM142	<0.05 mg/kg
Phenanthrene	0.37	2.1	2.8	1.4	0.45	0.72	0.30	1.2	1.5	TM142	<0.05 mg/kg
Anthracene	0.05	0.45	0.70	0.27	<0.05	0.37	0.09	0.32	0.47	TM142	<0.05 mg/kg
Fluoranthene	0.77	5.5	4.0	2.9	0.77	0.73	0.36	1.7	3.0	TM142	<0.05 mg/kg
Pyrene	0.61	4.9	3.3	2.3	0.77	0.65	0.40	1.4	2.9	TM142	<0.05 mg/kg
Benz(a)anthracene	0.15	2.1	1.4	1.2	0.31	0.29	0.15	0.82	1.3	TM142	<0.05 mg/kg
Chrysene	0.24	2.5	1.3	1.4	0.35	0.34	0.20	0.68	1.3	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	0.19	2.2	1.2	1.2	0.26	0.43	0.19	0.71	0.82	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.22	1.5	1.2	0.89	0.35	0.20	0.10	0.70	1.0	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.22	1.6	0.80	0.83	0.28	0.46	0.26	0.93	1.1	TM142	<0.05 mg/kg
Indeno(123cd)pyrene	0.22	1.2	0.49	1.1	0.86	0.19	0.45	0.37	0.59	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	0.06	0.12	0.88	0.33	0.15	0.21	0.27	0.34	0.43	TM142	<0.05 mg/kg
Benzo(ghi)perylene	1.5	0.28	0.87	0.28	0.80	0.84	0.70	0.69	2.1	TM142	<0.05 mg/kg
PAH 16 Total	5.5	26	21	15	6.8	6.0	4.2	12	17	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	SS 10	SS 12	SS13	SS 14	SS 15	SS 16	SS17	SS18	SS 19	Method Code	Lob/Units
Depth (m)	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date			24.07.08				24.07.08	24.07.08			
Sample Received Date	28.07.08	28.07.08	29.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	28.07.08		
Batch	1	1	2	1	1	1	2	2	1		
Sample Number(s)	10-12	13-15	301-303	16-18	19-21	22-24	304-306	307-309	25-26		
Arsenic	27	74	37	16	22	23	27	24	75	TM129 ^M	<3.0 mg/kg
Cadmium	<0.2	0.9	0.4	0.4	0.3	0.4	0.2	0.5	0.2	TM129	<0.2 mg/kg
Chromium	20	21	22	23	26	18	23	27	39	TM129 ^M	<4.5 mg/kg
Copper	42	270	46	32	31	35	38	43	130	TM129 ^M	<6 mg/kg
Lead	45	54	55	44	41	50	67	190	130	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	44	30	26	23	22	23	18	28	39	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 ^M	<3 mg/kg
Vanadium	45	46	34	30	30	31	38	44	61	TM129 ^M	<1.5 mg/kg
Zinc	120	230	140	110	120	100	130	140	160	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2:1 Extract	0.018	0.14	0.022	<0.003	0.019	0.028	0.020	0.013	0.055	TM098 ^M	<0.003 g/l
Phenols Monohydric	<0.15	-	-	<0.15	<0.15	-	-	-	-	TM062 ^M	<0.15 mg/kg
Total Cyanide	<1	-	-	<1	<1	-	-	-	-	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	No Fibres Detected	-	-	-	No Fibres Detected	TM001	NONE
Fraction of Organic Carbon	0.063	0.10	0.15	0.042	0.038	0.049	0.061	0.062	0.22	TM132 ^M	<0.002 NONE
pH Value	6.64	6.37	7.42	7.06	6.65	7.05	6.40	6.12	6.07	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS 10	SS 12	SS13	SS 14	SS 15	SS 16	SS17	SS18	SS 19	Method Code	LoD/Units
Depth (m)	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date			24.07.08				24.07.08	24.07.08			
Sample Received Date	28.07.08	28.07.08	29.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	28.07.08		
Batch	1	1	2	1	1	1	2	2	1		
Sample Number(s)	10-12	13-15	301-303	16-18	19-21	22-24	304-306	307-309	25-26		
GRO (C4-C12)	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
MTBE	<10	-	-	<10	<10	-	-	-	-	TM089 [#]	<10 ug/kg
Benzene	<10	-	-	<10	<10	-	-	-	-	TM089 ^{#M}	<10 ug/kg
Toluene	<10	-	-	<10	<10	-	-	-	-	TM089 ^{#M}	<10 ug/kg
Ethyl benzene	<10	-	-	<10	<10	-	-	-	-	TM089 ^{#M}	<10 ug/kg
m & p Xylene	<10	-	-	<10	<10	-	-	-	-	TM089 ^{#M}	<10 ug/kg
o Xylene	<10	-	-	<10	<10	-	-	-	-	TM089 ^{#M}	<10 ug/kg
Aliphatics C5-C6	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aliphatics >C12-C16	15000	-	-	1100	2900	-	-	-	-	TM173 [#]	<100 ug/kg
Aliphatics >C16-C35	51000	-	-	6600	11000	-	-	-	-	TM173	<100 ug/kg
Aliphatics >C35-C44	5000	-	-	<100	170	-	-	-	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	71000	-	-	7700	15000	-	-	-	-	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aromatics >C7-C8	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	-	-	<10	<10	-	-	-	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	10000	-	-	420	2600	-	-	-	-	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	27000	-	-	3700	4200	-	-	-	-	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	160000	-	-	47000	46000	-	-	-	-	TM173 [#]	<100 ug/kg
Aromatics >EC35-EC44	40000	-	-	8900	3600	-	-	-	-	TM173	<100 ug/kg
Total Aromatics C6-C44	240000	-	-	60000	56000	-	-	-	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	310000	-	-	68000	71000	-	-	-	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	SS 10	SS 12	SS 13	SS 14	SS 15	SS 16	SS 17	SS 18	SS 19	Method Code	LoD/Units
Depth (m)	0.10	0.15	0.10	0.10	0.20	0.20	0.10	0.10	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date			24.07.08				24.07.08	24.07.08			
Sample Received Date	28.07.08	28.07.08	29.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	28.07.08		
Batch	1	1	2	1	1	1	2	2	1		
Sample Number(s)	10-12	13-15	301-303	16-18	19-21	22-24	304-306	307-309	25-26		
PAH by GC-FID											
Naphthalene	1.3	2.8	0.77	0.48	0.28	0.48	0.22	0.29	1.1	TM142	<0.05 mg/kg
Acenaphthylene	1.8	1.5	0.66	0.47	0.35	0.44	0.45	0.34	0.95	TM142	<0.05 mg/kg
Acenaphthene	0.10	0.06	<0.05	0.06	<0.05	0.13	0.06	<0.05	0.10	TM142	<0.05 mg/kg
Fluorene	<0.05	3.1	1.7	0.28	<0.05	0.18	0.21	0.12	<0.05	TM142	<0.05 mg/kg
Phenanthrene	1.7	1.3	0.66	0.31	0.63	0.68	0.82	0.72	1.4	TM142	<0.05 mg/kg
Anthracene	0.12	0.37	0.24	0.06	0.18	0.27	0.15	0.23	0.35	TM142	<0.05 mg/kg
Fluoranthene	4.0	1.1	0.65	0.37	0.47	0.61	1.9	1.1	1.4	TM142	<0.05 mg/kg
Pyrene	3.8	1.1	0.44	0.37	0.50	0.59	1.6	1.0	1.4	TM142	<0.05 mg/kg
Benzo(a)anthracene	2.4	0.54	0.26	0.21	0.23	0.46	0.90	0.93	0.89	TM142	<0.05 mg/kg
Chrysene	2.5	0.48	0.26	0.21	0.31	0.39	0.62	0.61	0.76	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	2.6	0.49	0.33	0.10	0.24	0.48	0.91	0.96	0.67	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	1.2	0.33	0.27	0.13	0.21	0.16	1.1	0.64	0.49	TM142	<0.05 mg/kg
Benzo(a)pyrene	2.4	0.36	0.31	1.3	0.21	1.7	4.6	4.2	1.4	TM142	<0.05 mg/kg
Indeno(1,2,3-cd)pyrene	1.6	2.9	0.23	0.48	0.52	0.30	<0.05	0.75	0.74	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	1.5	0.71	1.0	0.09	0.26	0.21	<0.05	0.65	0.51	TM142	<0.05 mg/kg
Benzo(ghi)perylene	1.6	1.0	0.83	1.0	1.1	1.1	3.0	2.7	2.9	TM142	<0.05 mg/kg
PAH 16 Total	29	18	8.6	5.9	5.5	8.1	16	15	15	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS 20	SS21	SS22	SS23	SS24	SS25	SS26	SS 27	SS28	Method Code	LoD/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		24.07.08		
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	29.07.08		
Batch	1	2	2	2	2	2	2	1	2		
Sample Number(s)	27-29	310-312	313-315	316-318	319-321	322-324	325-327	30-32	328-330		
Arsenic	120	51	16	23	22	32	30	20	36	TM129 ^M	<3.0 mg/kg
Cadmium	<0.2	0.8	0.5	0.4	<0.2	0.2	0.3	0.2	0.6	TM129	<0.2 mg/kg
Chromium	22	23	30	17	22	24	21	38	21	TM129 ^M	<4.5 mg/kg
Copper	120	52	38	52	25	43	41	32	58	TM129 ^M	<6 mg/kg
Lead	110	63	62	57	51	74	72	39	86	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	48	33	21	25	17	21	19	31	25	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 ^M	<3 mg/kg
Vanadium	74	42	42	29	33	36	33	43	39	TM129 ^M	<1.5 mg/kg
Zinc	220	120	120	130	110	140	140	130	150	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2-1 Extract	0.079	0.046	<0.003	0.031	0.25	0.046	0.005	0.010	0.029	TM098 ^M	<0.003 g/l
Phenols Monohydric	-	-	-	<0.15	-	<0.15	-	<0.15	-	TM062 ^M	<0.15 mg/kg
Total Cyanide	-	-	-	<1	-	<1	-	<1	-	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	-	No Fibres Detected	-	-	No Fibres Detected	TM001	NONE
Fraction of Organic Carbon	0.48	0.28	0.041	0.091	0.046	0.065	0.072	0.026	0.10	TM132 ^M	<0.002 NONE
pH Value	6.39	6.63	6.71	6.07	6.56	6.16	6.34	6.83	6.33	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	SS 20	SS21	SS22	SS23	SS24	SS25	SS26	SS 27	SS28	Method Code	LoD/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		24.07.08		
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	29.07.08		
Batch	1	2	2	2	2	2	2	1	2	Method Code	LoD/Units
Sample Number(s)	27-29	310-312	313-315	316-318	319-321	322-324	325-327	30-32	328-330		
GRO (C4-C12)	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
MTBE	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
Benzene	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
Toluene	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
Ethyl benzene	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
m & p Xylene	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
o Xylene	-	-	-	<10	-	<10	-	<10	-	TM089 ^M	<10 ug/kg
Aliphatics C5-C6	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aliphatics >C6-C8	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aliphatics >C8-C10	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aliphatics >C10-C12	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aliphatics >C12-C16	-	-	-	8700	-	2600	-	<100	-	TM173 [#]	<100 ug/kg
Aliphatics >C16-C35	-	-	-	21000	-	9000	-	3700	-	TM173	<100 ug/kg
Aliphatics >C35-C44	-	-	-	1400	-	<100	-	<100	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	-	-	-	31000	-	12000	-	3700	-	TM61/89	<100 ug/kg
Aromatics C6-C7	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aromatics >C7-C8	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	-	-	-	<10	-	<10	-	<10	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	-	-	-	5900	-	1000	-	<100	-	TM173 [#]	<100 ug/kg
Aromatics >EC16-EC21	-	-	-	12000	-	3300	-	790	-	TM173 [#]	<100 ug/kg
Aromatics >EC21-EC35	-	-	-	69000	-	77000	-	52000	-	TM173 [#]	<100 ug/kg
Aromatics >EC35-EC44	-	-	-	4100	-	15000	-	5600	-	TM173	<100 ug/kg
Total Aromatics C6-C44	-	-	-	91000	-	96000	-	59000	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	-	-	-	120000	-	110000	-	63000	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
^M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS 20	SS21	SS22	SS23	SS24	SS25	SS26	SS 27	SS28	Method Code	LoD/Units
Depth (m)	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.15	0.10		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08	24.07.08	24.07.08	24.07.08		24.07.08		
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	29.07.08		
Batch	1	2	2	2	2	2	2	1	2		
Sample Number(s)	27-29	310-312	313-315	316-318	319-321	322-324	325-327	30-32	328-330		
PAH by GC-FID											
Naphthalene	8.4	3.5	0.28	0.85	0.18	0.36	0.41	0.16	0.73	TM142	<0.05 mg/kg
Acenaphthylene	5.3	2.5	0.41	0.84	0.51	0.52	0.63	0.33	0.60	TM142	<0.05 mg/kg
Acenaphthene	0.19	0.10	0.08	0.07	0.10	0.06	0.06	<0.05	0.12	TM142	<0.05 mg/kg
Fluorene	<0.05	2.9	0.23	<0.05	<0.05	<0.05	<0.05	0.55	0.93	TM142	<0.05 mg/kg
Phenanthrene	2.0	1.4	0.45	0.80	0.36	0.58	0.55	0.28	0.54	TM142	<0.05 mg/kg
Anthracene	0.50	0.18	0.08	0.25	0.10	0.12	<0.05	<0.05	<0.05	TM142	<0.05 mg/kg
Fluoranthene	2.5	1.5	1.1	1.1	0.55	0.97	1.4	0.68	1.1	TM142	<0.05 mg/kg
Pyrene	2.4	1.9	1.0	1.3	0.60	0.80	1.3	0.73	1.3	TM142	<0.05 mg/kg
Benz(a)anthracene	1.2	1.1	0.80	0.68	0.60	0.68	0.71	0.25	0.95	TM142	<0.05 mg/kg
Chrysene	0.93	1.1	0.64	0.43	0.46	0.59	0.57	0.24	0.69	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	0.46	1.4	0.79	0.75	0.27	0.55	0.51	0.39	1.0	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.49	0.72	0.44	0.42	0.42	0.38	0.61	0.21	0.46	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.62	0.93	1.5	3.0	0.43	0.67	0.63	0.54	2.5	TM142	<0.05 mg/kg
Indeno(123cd)pyrene	<0.05	2.5	0.87	7.3	0.17	0.56	0.62	0.52	1.1	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	<0.05	0.62	0.53	1.0	0.07	0.35	0.35	0.26	0.88	TM142	<0.05 mg/kg
Benzo(ghi)perylene	<0.05	2.2	2.4	3.1	2.9	1.7	2.7	1.1	4.3	TM142	<0.05 mg/kg
PAH 16 Total	25	25	12	22	7.8	8.9	11	6.2	17	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	SS29	SS 30	SS31	SS32	SS33	SS34	SS 35	SS 36	SS 37	Method Code	LoD/Units
Depth (m)	0.10	0.15	0.10	0.10	0.10	0.10	0.15	0.15	0.15		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08		24.07.08	24.07.08	24.07.08	24.07.08					
Sample Received Date	29.07.08	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08		
Batch	2	1	2	2	2	2	1	1	1		
Sample Number(s)	331-333	33-35	334-336	337-338	339-341	342-344	39-41	42-44	45-47		
Arsenic	24	26	20	22	20	37	17	15	9	TM129 ^M	<3.0 mg/kg
Cadmium	0.5	<0.2	0.3	0.3	<0.2	0.2	0.3	0.2	0.2	TM129	<0.2 mg/kg
Chromium	29	24	26	27	25	24	40	59	11	TM129 ^M	<4.5 mg/kg
Copper	35	34	33	35	32	61	42	24	11	TM129 ^M	<6 mg/kg
Lead	55	74	51	51	43	78	45	40	28	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	19	16	17	17	23	26	30	21	8.7	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 ^M	<3 mg/kg
Vanadium	39	41	29	36	33	39	48	26	12	TM129 ^M	<1.5 mg/kg
Zinc	130	110	130	120	120	170	150	100	64	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2.1 Extract	<0.003	0.062	0.013	<0.003	0.008	0.027	0.005	0.034	<0.003	TM098 ^M	<0.003 g/l
Phenols Monohydric	<0.15	-	-	-	<0.15	-	<0.15	<0.15	<0.15	TM062 ^M	<0.15 mg/kg
Total Cyanide	<1	-	-	-	<1	-	<1	<1	<1	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	-	-	-	-	-	TM001	NONE
Fraction of Organic Carbon	0.053	0.086	0.065	0.055	0.042	0.10	0.041	0.028	0.012	TM132 ^M	<0.002 NONH
pH Value	6.54	6.08	6.62	7.61	6.76	6.37	6.77	7.49	6.69	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS29	SS 30	SS31	SS32	SS33	SS34	SS 35	SS 36	SS 37	Method Code	LoD/Units
Depth (m)	0.10	0.15	0.10	0.10	0.10	0.10	0.15	0.15	0.15		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08		24.07.08	24.07.08	24.07.08	24.07.08					
Sample Received Date	29.07.08	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08		
Batch	2	1	2	2	2	2	1	1	1		
Sample Number(s)	331-333	33-35	334-336	337-338	339-341	342-344	39-41	42-44	45-47		
GRO (C4-C12)	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
MTBE	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
Benzene	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
Toluene	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
Ethyl benzene	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
m & p Xylene	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
o Xylene	<10	-	-	-	<10	-	<10	<10	<10	TM089 ^M	<10 ug/kg
Aliphatics C5-C6	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	<100	-	-	-	<100	-	<100	<100	<100	TM173 ^M	<100 ug/kg
Aliphatics >C16-C35	6000	-	-	-	5800	-	5400	4300	2700	TM173	<100 ug/kg
Aliphatics >C35-C44	<100	-	-	-	<100	-	<100	<100	<100	TM173	<100 ug/kg
Total Aliphatics C5-C44	6000	-	-	-	5800	-	5400	4300	2700	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	-	-	-	<10	-	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	<100	-	-	-	<100	-	<100	<100	<100	TM173 ^M	<100 ug/kg
Aromatics >EC16-EC21	600	-	-	-	12000	-	2300	380	<100	TM173 ^M	<100 ug/kg
Aromatics >EC21-EC35	76000	-	-	-	77000	-	62000	48000	13000	TM173 ^M	<100 ug/kg
Aromatics >EC35-EC44	14000	-	-	-	7600	-	13000	2100	200	TM173	<100 ug/kg
Total Aromatics C6-C44	91000	-	-	-	96000	-	77000	51000	13000	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	97000	-	-	-	100000	-	82000	55000	16000	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services****Table Of Results**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	SS29	SS 30	SS31	SS32	SS33	SS34	SS 35	SS 36	SS 37	Method Code	LoD/Units
Depth (m)	0.10	0.15	0.10	0.10	0.10	0.10	0.15	0.15	0.15		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	24.07.08		24.07.08	24.07.08	24.07.08	24.07.08					
Sample Received Date	29.07.08	28.07.08	29.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08		
Batch	2	1	2	2	2	2	1	1	1		
Sample Number(s)	331-333	33-35	334-336	337-338	339-341	342-344	39-41	42-44	45-47		
PAH by GC-FID											
Naphthalene	0.13	0.31	0.23	0.22	0.16	0.66	0.13	0.09	<0.05	TM142	<0.05 mg/kg
Acenaphthylene	0.24	0.49	0.24	0.49	0.26	0.75	0.25	0.22	<0.05	TM142	<0.05 mg/kg
Acenaphthene	<0.05	0.07	0.13	<0.05	0.08	0.09	0.06	<0.05	<0.05	TM142	<0.05 mg/kg
Fluorene	0.10	2.5	1.2	0.15	<0.05	<0.05	<0.05	1.4	0.28	TM142	<0.05 mg/kg
Phenanthrene	<0.05	0.64	0.58	<0.05	0.83	0.98	0.29	0.43	<0.05	TM142	<0.05 mg/kg
Anthracene	<0.05	0.17	0.11	<0.05	0.18	0.32	0.13	0.24	<0.05	TM142	<0.05 mg/kg
Fluoranthene	1.0	0.84	1.0	0.43	1.7	1.8	0.42	0.35	0.20	TM142	<0.05 mg/kg
Pyrene	0.66	0.80	1.1	0.43	1.4	1.6	0.41	0.48	0.27	TM142	<0.05 mg/kg
Benzo(a)anthracene	0.27	0.68	0.81	0.25	0.99	0.71	0.45	0.52	0.28	TM142	<0.05 mg/kg
Chrysene	0.27	0.41	0.76	0.31	0.94	0.65	0.28	0.33	0.22	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	0.18	0.71	0.45	0.24	0.52	0.97	0.32	0.19	0.10	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.15	0.33	0.75	0.27	0.74	0.47	0.22	0.16	0.09	TM142	<0.05 mg/kg
Benzo(a)pyrene	1.4	0.89	0.51	0.19	0.66	0.61	0.23	0.31	0.24	TM142	<0.05 mg/kg
Indeno(123cd)pyrene	0.35	1.2	0.49	0.39	0.49	0.25	0.29	0.66	1.9	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	0.18	0.50	0.75	0.19	1.9	0.20	0.19	<0.05	0.18	TM142	<0.05 mg/kg
Benzo(ghi)perylene	1.7	1.6	1.6	1.7	1.7	1.5	1.7	1.2	0.64	TM142	<0.05 mg/kg
PAH 16 Total	6.6	12	11	5.2	13	11	5.4	6.6	4.4	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS 38	SS39	SS40	SS54	WS 1	WS 1	WS 1	WS 2	WS 2	Method Code	Lob/Units
Depth (m)	0.15	0.10	0.10	0.10	0.10	0.50	1.00	0.10	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08							
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	2	2	2	1	1	1	1	1		
Sample Number(s)	48-49	345-347	348-350	351-353	50-52	53-55	56-58	65-67	62-64		
Arsenic	9	31	22	21	32	-	32	25	-	TM129 ^M	<3.0 mg/kg
Cadmium	0.4	0.4	0.4	0.7	0.6	-	0.4	0.2	-	TM129	<0.2 mg/kg
Chromium	31	29	27	27	21	-	23	24	-	TM129 ^M	<4.5 mg/kg
Copper	27	47	31	38	33	-	41	34	-	TM129 ^M	<6 mg/kg
Lead	37	55	52	70	50	-	33	42	-	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	-	<0.4	<0.4	-	TM129 ^M	<0.4 mg/kg
Nickel	29	23	24	26	27	-	34	19	-	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	-	<3	<3	-	TM129 ^M	<3 mg/kg
Vanadium	38	43	33	38	32	-	25	34	-	TM129 ^M	<1.5 mg/kg
Zinc	110	140	150	160	120	-	70	110	-	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2+ Extract	0.005	0.030	0.011	0.008	0.011	-	0.037	0.021	-	TM098 ^M	<0.003 g/l
Phenols Monohydric	<0.15	-	<0.15	-	-	-	<0.15	-	-	TM062 ^M	<0.15 mg/kg
Total Cyanide	<1	-	<1	-	-	-	<1	-	-	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	No Fibres Detected	-	No Fibres Detected	-	-	No Fibres Detected	-	-	-	TM001	NONE
Fraction of Organic Carbon	0.023	0.087	0.055	0.066	0.063	-	0.006	0.050	-	TM132 ^F	<0.002 NONE
pH Value	6.90	6.25	6.12	6.41	7.47	-	7.73	7.26	-	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	SS 38	SS39	SS40	SS54	WS 1	WS 1	WS 1	WS 2	WS 2	Method Code	LoD/Units
Depth (m)	0.15	0.10	0.10	0.10	0.10	0.50	1.00	0.10	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08							
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	2	2	2	1	1	1	1	1		
Sample Number(s)	48-49	345-347	348-350	351-353	50-52	53-55	56-58	65-67	62-64		
GRO (C4-C12)	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
MTBE	<10	-	<10	-	-	-	<10	-	-	TM089 ^a	<10 ug/kg
Benzene	<10	-	<10	-	-	-	<10	-	-	TM089 ^a _M	<10 ug/kg
Toluene	<10	-	<10	-	-	-	<10	-	-	TM089 ^a _M	<10 ug/kg
Ethyl benzene	<10	-	<10	-	-	-	<10	-	-	TM089 ^a _M	<10 ug/kg
m & p Xylene	<10	-	<10	-	-	-	<10	-	-	TM089 ^a _M	<10 ug/kg
o Xylene	<10	-	<10	-	-	-	<10	-	-	TM089 ^a _M	<10 ug/kg
Aliphatics C5-C6	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C12-C16	1600	-	1800	-	-	-	4600	-	-	TM173 ^a	<100 ug/kg
Aliphatics >C16-C35	14000	-	5600	-	-	-	2200	-	-	TM173	<100 ug/kg
Aliphatics >C35-C44	<100	-	<100	-	-	-	<100	-	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	16000	-	7300	-	-	-	6800	-	-	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >C7-C8	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	1700	-	800	-	-	-	<100	-	-	TM173 ^a	<100 ug/kg
Aromatics >EC16-EC21	3000	-	3300	-	-	-	<100	-	-	TM173 ^a	<100 ug/kg
Aromatics >EC21-EC35	35000	-	63000	-	-	-	1500	-	-	TM173 ^a	<100 ug/kg
Aromatics >EC35-EC44	9000	-	8100	-	-	-	<100	-	-	TM173	<100 ug/kg
Total Aromatics C6-C44	49000	-	75000	-	-	-	1500	-	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	65000	-	83000	-	-	-	8200	-	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	SS 38	SS39	SS40	SS54	WS 1	WS 1	WS 1	WS 2	WS 2	Method Code	LoD/Units
Depth (m)	0.15	0.10	0.10	0.10	0.10	0.50	1.00	0.10	0.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date		24.07.08	24.07.08	24.07.08							
Sample Received Date	28.07.08	29.07.08	29.07.08	29.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	2	2	2	1	1	1	1	1		
Sample Number(s)	48-49	345-347	348-350	351-353	50-52	53-55	56-58	65-67	62-64		
PAH by GC-FID											
Naphthalene	<0.05	0.17	0.22	0.27	0.30	-	<0.05	0.27	-	TM142	<0.05 mg/kg
Acenaphthylene	0.07	0.32	0.47	0.72	0.53	-	0.37	0.44	-	TM142	<0.05 mg/kg
Acenaphthene	0.10	<0.05	0.05	0.24	0.10	-	0.08	0.05	-	TM142	<0.05 mg/kg
Fluorene	0.62	<0.05	0.35	0.32	0.19	-	<0.05	0.64	-	TM142	<0.05 mg/kg
Phenanthrene	<0.05	<0.05	0.32	3.1	0.81	-	<0.05	0.65	-	TM142	<0.05 mg/kg
Anthracene	<0.05	<0.05	0.15	1.1	0.29	-	<0.05	0.39	-	TM142	<0.05 mg/kg
Fluoranthene	0.36	0.69	0.57	4.1	0.83	-	<0.05	0.69	-	TM142	<0.05 mg/kg
Pyrene	0.26	0.49	0.62	3.4	0.86	-	<0.05	0.66	-	TM142	<0.05 mg/kg
Benzo(a)anthracene	0.29	0.40	0.46	1.9	0.33	-	<0.05	0.29	-	TM142	<0.05 mg/kg
Chrysene	0.15	0.24	0.33	1.6	0.35	-	<0.05	0.29	-	TM142	<0.05 mg/kg
Benzo(h)fluoranthene	0.20	0.40	0.78	1.0	0.19	-	<0.05	0.26	-	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.18	0.31	0.40	1.3	0.30	-	<0.05	0.41	-	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.24	1.7	0.62	0.80	0.53	-	<0.05	0.21	-	TM142	<0.05 mg/kg
Indeno(123cd)pyrene	0.21	0.44	0.48	1.1	<0.05	-	<0.05	0.28	-	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	0.23	0.39	0.35	0.55	<0.05	-	<0.05	0.16	-	TM142	<0.05 mg/kg
Benzo(ghi)perylene	0.89	5.2	1.9	3.8	0.71	-	<0.05	1.1	-	TM142	<0.05 mg/kg
PAH 16 Total	3.8	11	8.1	25	6.3	-	0.45	6.8	-	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	WS 3	WS 3	WS 4	WS 5	WS 5	WS 6	WS 6	WS 7	WS 7	Method Code	LoD/Units
Depth (m)	0.10	0.50	0.50	0.10	0.50	0.10	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	74-76	77-79	86-88	97-99	95-96,100	107-109	113-115	116-118	119-121		
Arsenic	26	9	<3	12	11	20	14	22	14	TM129 ^M	<3.0 mg/kg
Cadmium	0.4	<0.2	<0.2	0.2	<0.2	0.2	<0.2	0.4	<0.2	TM129	<0.2 mg/kg
Chromium	23	22	25	21	19	22	22	22	25	TM129 ^M	<4.5 mg/kg
Copper	35	24	29	21	22	26	15	38	40	TM129 ^M	<6 mg/kg
Lead	47	19	28	31	16	34	22	51	37	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	25	17	60	21	13	19	15	21	33	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	<3	<3	TM129 ^M	<3 mg/kg
Vanadium	36	17	37	31	30	35	33	28	34	TM129 ^M	<1.5 mg/kg
Zinc	110	45	86	87	50	93	78	150	85	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO ₄ 2.1 Extract	0.061	0.12	0.053	0.007	0.009	<0.003	0.037	0.063	0.025	TM098 ^M	<0.003 g/l
Phenols Monohydric	-	-	<0.15	-	-	-	<0.15	-	-	TM062 ^M	<0.15 mg/kg
Total Cyanide	-	-	<1	-	-	-	<1	-	-	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	No Fibres Detected	-	-	-	-	TM001	NONE
Fraction of Organic Carbon	0.062	0.004	0.009	0.019	0.004	0.037	0.010	0.061	0.075	TM132 ^M	<0.002 NONE
pH Value	7.49	7.59	7.78	7.22	7.56	7.39	6.96	7.65	7.90	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 3	WS 3	WS 4	WS 5	WS 5	WS 6	WS 6	WS 7	WS 7	Method Code	Lob/Units
Depth (m)	0.10	0.50	0.50	0.10	0.50	0.10	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	74-76	77-79	86-88	97-99	95-96,100	107-109	113-115	116-118	119-121		
GRO (C4-C12)	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
MTBE	-	-	<10	-	-	-	<10	-	-	TM089*	<10 ug/kg
Benzene	-	-	<10	-	-	-	<10	-	-	TM089 ^M	<10 ug/kg
Toluene	-	-	<10	-	-	-	<10	-	-	TM089 ^M	<10 ug/kg
Ethyl benzene	-	-	<10	-	-	-	<10	-	-	TM089 ^M	<10 ug/kg
m & p Xylene	-	-	<10	-	-	-	<10	-	-	TM089 ^M	<10 ug/kg
o Xylene	-	-	<10	-	-	-	<10	-	-	TM089 ^M	<10 ug/kg
Aliphatics C5-C6	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C6-C8	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C8-C10	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C10-C12	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C12-C16	-	-	<100	-	-	-	<100	-	-	TM173*	<100 ug/kg
Aliphatics >C16-C35	-	-	590	-	-	-	630	-	-	TM173	<100 ug/kg
Aliphatics >C35-C44	-	-	<100	-	-	-	<100	-	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	-	-	590	-	-	-	630	-	-	TM61/89	<100 ug/kg
Aromatics C6-C7	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >C7-C8	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	-	-	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	-	-	<100	-	-	-	<100	-	-	TM173*	<100 ug/kg
Aromatics >EC16-EC21	-	-	<100	-	-	-	<100	-	-	TM173*	<100 ug/kg
Aromatics >EC21-EC35	-	-	1300	-	-	-	2300	-	-	TM173*	<100 ug/kg
Aromatics >EC35-EC44	-	-	<100	-	-	-	<100	-	-	TM173	<100 ug/kg
Total Aromatics C6-C44	-	-	1300	-	-	-	2300	-	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	-	-	1900	-	-	-	3000	-	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 3	WS 3	WS 4	WS 5	WS 5	WS 6	WS 6	WS 7	WS 7	Method Code	Lod/Units
Depth (m)	0.10	0.50	0.50	0.10	0.50	0.10	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	74-76	77-79	86-88	97-99	95-96,100	107-109	113-115	116-118	119-121		
PAH by GC-FID											
Naphthalene	0.45	<0.05	<0.05	0.27	<0.05	<0.05	<0.05	0.19	0.95	TM142	<0.05 mg/kg
Acenaphthylene	0.54	0.21	0.17	0.22	<0.05	0.15	<0.05	0.55	1.6	TM142	<0.05 mg/kg
Acenaphthene	0.09	0.08	0.06	<0.05	<0.05	0.10	<0.05	0.14	0.08	TM142	<0.05 mg/kg
Fluorene	<0.05	0.31	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	0.88	TM142	<0.05 mg/kg
Phenanthrene	0.80	<0.05	<0.05	0.26	<0.05	0.32	<0.05	1.4	0.80	TM142	<0.05 mg/kg
Anthracene	0.05	<0.05	<0.05	0.11	<0.05	0.12	<0.05	0.32	0.28	TM142	<0.05 mg/kg
Fluoranthene	2.2	0.15	<0.05	0.15	<0.05	0.90	<0.05	3.5	1.3	TM142	<0.05 mg/kg
Pyrene	2.0	0.18	<0.05	0.29	<0.05	0.79	<0.05	3.0	1.4	TM142	<0.05 mg/kg
Benz(a)anthracene	0.91	<0.05	<0.05	0.16	<0.05	0.43	<0.05	1.2	0.84	TM142	<0.05 mg/kg
Chrysene	1.2	<0.05	<0.05	0.21	<0.05	0.43	<0.05	1.3	0.99	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	0.70	<0.05	<0.05	0.06	<0.05	0.32	<0.05	1.8	0.84	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.88	<0.05	<0.05	0.10	<0.05	0.37	<0.05	0.87	0.67	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.88	<0.05	<0.05	0.25	<0.05	0.45	<0.05	0.92	1.2	TM142	<0.05 mg/kg
Indeno(123cd)pyrene	0.75	<0.05	<0.05	0.89	<0.05	3.3	<0.05	1.3	0.78	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	0.29	<0.05	<0.05	0.99	<0.05	0.26	<0.05	0.25	0.44	TM142	<0.05 mg/kg
Benzo(ghi)perylene	1.3	0.23	<0.05	0.77	<0.05	1.4	<0.05	2.2	1.2	TM142	<0.05 mg/kg
PAH 16 Total	13	1.2	0.23	4.7	<0.05	9.4	<0.05	19	14	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 8	WS 8	WS 9	WS 9	WS 10	WS 10	WS 11	WS 11	WS 11	Method Code	LoD/Units
Depth (m)	0.10	0.50	0.10	1.00	0.10	0.50	0.10	0.50	1.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	128-130	131-133	141-143	147-149	153-155	156-158	164-166	167-170	171-172		
Arsenic	63	180	23	180	21	19	81	-	140	TM129 ^M	<3.0 mg/kg
Cadmium	0.3	1.6	0.3	<0.2	<0.2	<0.2	0.8	-	<0.2	TM129	<0.2 mg/kg
Chromium	30	42	30	19	21	14	19	-	17	TM129 ^M	<4.5 mg/kg
Copper	75	120	32	2500	64	27	120	-	200	TM129 ^M	<6 mg/kg
Lead	86	340	51	160	42	18	100	-	180	TM129 ^M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	-	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	30	53	18	37	19	26	25	-	35	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	-	<3	TM129 ^M	<3 mg/kg
Vanadium	48	76	39	68	33	41	37	-	60	TM129 ^M	<1.5 mg/kg
Zinc	160	130	120	83	110	100	110	-	120	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2 I Extract	0.034	0.22	0.023	0.49	0.064	0.046	0.21	-	1.4	TM098 ^M	<0.003 g/l
Phenols Monohydric	-	<0.15	-	<0.15	-	<0.15	-	-	<0.15	TM062 ^M	<0.15 mg/kg
Total Cyanide	-	19	-	15	-	<1	-	-	<1	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	No Fibres Detected	-	-	-	-	-	No Fibres Detected	-	TM001	NONE
Fraction of Organic Carbon	0.12	0.50	0.067	0.38	0.041	0.005	0.11	-	0.55	TM132 ^M	<0.002 NONE
pH Value	6.03	5.07	6.72	5.22	6.59	7.23	5.65	-	6.21	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 8	WS 8	WS 9	WS 9	WS 10	WS 10	WS 11	WS 11	WS 11	Method Code	Lod/Units
Depth (m)	0.10	0.50	0.10	1.00	0.10	0.50	0.10	0.50	1.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	128-130	131-133	141-143	147-149	153-155	156-158	164-166	167-170	171-172		
GRO (C4-C12)	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
MTBE	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d	<10 ug/kg
Benzene	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d _M	<10 ug/kg
Toluene	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d _M	<10 ug/kg
Ethyl benzene	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d _M	<10 ug/kg
m & p Xylene	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d _M	<10 ug/kg
o Xylene	-	<10	-	<10	-	<10	-	-	<10	TM089 ^d _M	<10 ug/kg
Aliphatics C5-C6	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	-	16000	-	13000	-	<100	-	-	<100	TM173 ^d	<100 ug/kg
Aliphatics >C16-C35	-	30000	-	40000	-	<100	-	-	<100	TM173	<100 ug/kg
Aliphatics >C35-C44	-	<100	-	1300	-	<100	-	-	<100	TM173	<100 ug/kg
Total Aliphatics C5-C44	-	46000	-	54000	-	<100	-	-	<100	TM61/89	<100 ug/kg
Aromatics C6-C7	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >C7-C8	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	-	<10	-	<10	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	-	17000	-	7200	-	<100	-	-	<100	TM173 ^d	<100 ug/kg
Aromatics >EC16-EC21	-	19000	-	12000	-	<100	-	-	<100	TM173 ^d	<100 ug/kg
Aromatics >EC21-EC35	-	53000	-	11000	-	<100	-	-	<100	TM173 ^d	<100 ug/kg
Aromatics >EC35-EC44	-	13000	-	<100	-	<100	-	-	<100	TM173	<100 ug/kg
Total Aromatics C6-C44	-	100000	-	30000	-	<100	-	-	<100	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	-	150000	-	84000	-	<100	-	-	<100	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 8	WS 8	WS 9	WS 9	WS 10	WS 10	WS 11	WS 11	WS 11	Method Code	Lod/Units
Depth (m)	0.10	0.50	0.10	1.00	0.10	0.50	0.10	0.50	1.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	128-130	131-133	141-143	147-149	153-155	156-158	164-166	167-170	171-172		
PAH by GC-FID											
Naphthalene	1.1	6.3	0.15	1.6	0.35	<0.05	1.5	-	0.12	TM142	<0.05 mg/kg
Acenaphthylene	1.2	3.7	0.27	1.4	0.43	<0.05	1.2	-	0.26	TM142	<0.05 mg/kg
Acenaphthene	0.07	0.15	<0.05	0.09	<0.05	<0.05	0.10	-	<0.05	TM142	<0.05 mg/kg
Fluorene	1.2	1.3	0.28	0.38	<0.05	<0.05	<0.05	-	2.9	TM142	<0.05 mg/kg
Phenanthrene	1.2	1.4	0.30	0.26	0.99	<0.05	1.7	-	<0.05	TM142	<0.05 mg/kg
Anthracene	0.12	0.23	0.11	0.09	0.29	<0.05	0.46	-	<0.05	TM142	<0.05 mg/kg
Fluoranthene	1.9	0.45	0.53	<0.05	1.6	<0.05	1.6	-	0.15	TM142	<0.05 mg/kg
Pyrene	1.7	0.48	0.58	<0.05	1.6	<0.05	1.5	-	0.10	TM142	<0.05 mg/kg
Benz(a)anthracene	0.86	0.17	0.42	<0.05	0.87	<0.05	1.1	-	<0.05	TM142	<0.05 mg/kg
Chrysene	0.77	0.19	0.27	<0.05	0.90	<0.05	0.60	-	<0.05	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	1.1	0.14	0.34	<0.05	0.83	<0.05	1.1	-	<0.05	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.54	0.17	0.26	<0.05	0.34	<0.05	0.50	-	<0.05	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.73	0.44	0.41	<0.05	0.93	<0.05	6.1	-	<0.05	TM142	<0.05 mg/kg
Indeno(1,2,3-cd)pyrene	0.86	0.34	3.0	<0.05	11	<0.05	0.50	-	1.2	TM142	<0.05 mg/kg
Dibenzo(a,h)anthracene	1.0	0.63	0.72	<0.05	0.86	<0.05	0.80	-	0.24	TM142	<0.05 mg/kg
Benzo(ghi)perylene	2.1	0.07	2.2	<0.05	1.9	<0.05	4.8	-	0.27	TM142	<0.05 mg/kg
PAH 16 Total	16	16	9.8	3.8	23	<0.05	24	-	5.3	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

ISO 17025 accredited

Table Of Results

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 12	WS 12	WS 13	WS 13	WS 14	WS 14	WS 14	WS 15	WS 15	Method Code	LoD/Units
Depth (m)	0.10	3.00	0.10	0.50	0.10	0.50	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	176-178	185-187	188-190	191-193	200-202	203-205	206-208	212-214	215-217		
Arsenic	11	290	31	11	28	-	120	54	180	TM129 [#] _M	<3.0 mg/kg
Cadmium	1.1	<0.2	0.2	<0.2	0.6	-	1.2	0.8	2.4	TM129 [#] _M	<0.2 mg/kg
Chromium	730	44	25	22	23	-	30	27	23	TM129 [#] _M	<4.5 mg/kg
Copper	64	280	45	34	52	-	170	57	460	TM129 [#] _M	<6 mg/kg
Lead	150	220	59	30	64	-	150	76	130	TM129 [#] _M	<2 mg/kg
Mercury	<0.4	<0.4	<0.4	<0.4	<0.4	-	8.9	<0.4	<0.4	TM129 [#] _M	<0.4 mg/kg
Nickel	42	68	25	57	26	-	64	28	77	TM129 [#] _M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	-	<3	<3	<3	TM129 [#] _M	<3 mg/kg
Vanadium	150	120	38	47	43	-	84	47	120	TM129 [#] _M	<1.5 mg/kg
Zinc	200	1400	150	130	140	-	890	130	340	TM129 [#] _M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2.1 Extract	0.049	1.1	0.046	0.080	0.030	-	0.75	0.044	0.22	TM098 [#] _M	<0.003 g/l
Phenols Monohydric	<0.15	<0.15	<0.15	-	-	-	<0.15	-	-	TM062 [#] _M	<0.15 mg/kg
Total Cyanide	<1	1	<1	-	-	-	<1	-	-	TM153 [#] _M	<1 mg/kg
Asbestos Presence Screen	-	-	-	-	-	No Fibres Detected	-	-	-	TM001	NONE
Fraction of Organic Carbon	0.046	0.33	0.083	0.004	0.088	-	0.43	0.089	0.31	TM132 [#] _M	<0.002 NONE
pH Value	7.81	5.50	6.67	7.38	6.37	-	5.73	6.04	4.91	TM133 [#] _M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 12	WS 12	WS 13	WS 13	WS 14	WS 14	WS 14	WS 15	WS 15	Method Code	LoD/Units
Depth (m)	0.10	3.00	0.10	0.50	0.10	0.50	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	176-178	185-187	188-190	191-193	200-202	203-205	206-208	212-214	215-217		
GRO (C4-C12)	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
MTBE	<10	<10	<10	-	-	-	<10	-	-	TM089*	<10 ug/kg
Benzene	<10	<10	<10	-	-	-	<10	-	-	TM089* _M	<10 ug/kg
Toluene	<10	<10	<10	-	-	-	<10	-	-	TM089* _M	<10 ug/kg
Ethyl benzene	<10	<10	<10	-	-	-	<10	-	-	TM089* _M	<10 ug/kg
m & p Xylene	<10	<10	<10	-	-	-	<10	-	-	TM089* _M	<10 ug/kg
o Xylene	<10	<10	<10	-	-	-	<10	-	-	TM089* _M	<10 ug/kg
Aliphatics C5-C6	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aliphatics >C12-C16	6200	14000	9000	-	-	-	13000	-	-	TM173*	<100 ug/kg
Aliphatics >C16-C35	210000	32000	22000	-	-	-	42000	-	-	TM173	<100 ug/kg
Aliphatics >C35-C44	92000	410	230	-	-	-	7800	-	-	TM173	<100 ug/kg
Total Aliphatics C5-C44	310000	46000	31000	-	-	-	63000	-	-	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	-	-	-	<10	-	-	TM089	<10 ug/kg
Aromatics >EC12-EC16	13000	15000	8100	-	-	-	10000	-	-	TM173*	<100 ug/kg
Aromatics >EC16-EC21	43000	18000	14000	-	-	-	16000	-	-	TM173*	<100 ug/kg
Aromatics >EC21-EC35	410000	50000	140000	-	-	-	63000	-	-	TM173*	<100 ug/kg
Aromatics >EC35-EC44	210000	4200	38000	-	-	-	16000	-	-	TM173	<100 ug/kg
Total Aromatics C6-C44	670000	87000	200000	-	-	-	110000	-	-	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	980000	130000	230000	-	-	-	170000	-	-	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06 08 2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 12	WS 12	WS 13	WS 13	WS 14	WS 14	WS 14	WS 15	WS 15	Method Code	LoD/Units
Depth (m)	0.10	3.00	0.10	0.50	0.10	0.50	1.00	0.10	0.50		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	176-178	185-187	188-190	191-193	200-202	203-205	206-208	212-214	215-217		
PAH by GC-FID											
Naphthalene	0.97	2.0	0.67	<0.05	0.50	-	3.1	1.2	1.6	TM142	<0.05 mg/kg
Acenaphthylene	1.1	1.6	0.75	0.56	0.57	-	2.4	1.0	1.9	TM142	<0.05 mg/kg
Acenaphthene	0.41	0.07	<0.05	0.15	0.07	-	0.13	0.10	0.18	TM142	<0.05 mg/kg
Fluorene	0.41	0.55	<0.05	0.32	1.8	-	0.82	0.27	0.61	TM142	<0.05 mg/kg
Phenanthrene	6.5	0.58	1.1	<0.05	0.33	-	1.7	0.66	0.54	TM142	<0.05 mg/kg
Anthracene	1.9	0.33	0.34	<0.05	<0.05	-	0.31	0.15	0.17	TM142	<0.05 mg/kg
Fluoranthene	11	0.20	1.3	0.10	0.54	-	2.2	0.53	0.35	TM142	<0.05 mg/kg
Pyrene	9.3	0.30	1.1	0.12	0.65	-	2.0	0.83	0.19	TM142	<0.05 mg/kg
Benz(a)anthracene	4.2	0.27	0.77	<0.05	0.25	-	0.80	0.51	0.32	TM142	<0.05 mg/kg
Chrysene	4.3	0.21	0.58	<0.05	0.22	-	0.79	0.33	0.16	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	5.1	<0.05	0.99	<0.05	0.29	-	1.0	0.78	0.24	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	2.6	<0.05	0.68	<0.05	0.28	-	<0.05	0.62	0.15	TM142	<0.05 mg/kg
Benzo(a)pyrene	2.9	0.27	0.51	<0.05	0.26	-	0.65	1.9	0.42	TM142	<0.05 mg/kg
Indeno(1,2,3-cd)pyrene	3.1	0.28	0.77	<0.05	0.25	-	0.32	0.27	<0.05	TM142	<0.05 mg/kg
Dibenzo(a,h)anthracene	1.4	0.21	0.66	<0.05	0.99	-	0.36	0.46	<0.05	TM142	<0.05 mg/kg
Benzo(ghi)perylene	4.5	0.63	2.0	<0.05	1.8	-	0.73	2.8	0.83	TM142	<0.05 mg/kg
PAH 16 Total	60	7.5	12	1.3	8.8	-	17	12	7.6	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services****Table Of Results**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 16	WS 16	WS 17	WS 17	WS 18	WS 18	WS19	WS19	WS19	Method Code	LoD/Units
Depth (m)	0.10	0.50	0.10	0.50	0.10	1.00	0.10	0.50	3.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date							24.07.08	24.07.08	24.07.08		
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	29.07.08		
Batch	1	1	1	1	1	1	2	2	2		
Sample Number(s)	224-226	227-229	236-238	239-240	247-249	253-255	354	355	359-361		
Arsenic	92	120	17	80	73	44	8	-	57	TM129 ^M	<3.0 mg/kg
Cadmium	1.2	1.4	0.5	4.8	0.8	0.9	0.3	-	0.4	TM129	<0.2 mg/kg
Chromium	24	25	26	17	26	23	9.1	-	34	TM129 ^M	<4.5 mg/kg
Copper	70	150	31	350	84	64	12	-	61	TM129 ^M	<6 mg/kg
Lead	87	200	54	620	100	110	27	-	63	TM129 ^M	<2 mg/kg
Mercury	0.7	<0.4	<0.4	1.3	<0.4	<0.4	<0.4	-	<0.4	TM129 ^M	<0.4 mg/kg
Nickel	33	48	22	35	38	29	6.3	-	33	TM129 ^M	<0.9 mg/kg
Selenium	<3	<3	<3	<3	<3	<3	<3	-	<3	TM129 ^M	<3 mg/kg
Vanadium	45	60	42	53	48	40	9.7	-	62	TM129 ^M	<1.5 mg/kg
Zinc	170	330	130	1800	180	190	54	-	87	TM129 ^M	<2.5 mg/kg
Water Soluble Sulphate as SO4 2.1 Extract	0.059	0.34	0.010	0.23	0.10	0.34	<0.003	-	0.46	TM098 ^M	<0.003 g/l
Phenols Monohydric	-	<0.15	<0.15	-	-	<0.15	-	-	<0.15	TM062 ^M	<0.15 mg/kg
Total Cyanide	-	<1	<1	-	-	<1	-	-	<1	TM153 ^M	<1 mg/kg
Asbestos Presence Screen	-	No Fibres Detected	-	-	-	-	-	No Fibres Detected	-	TM001	NONE
Fraction of Organic Carbon	0.27	0.38	0.050	0.43	0.16	0.16	0.016	-	0.075	TM132 ^M	<0.002 NONE
pH Value	6.90	5.79	6.51	6.20	6.80	6.28	7.04	-	7.55	TM133 ^M	<1.00 pH Units

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary



ALcontrol Laboratories Analytical Services

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 16	WS 16	WS 17	WS 17	WS 18	WS 18	WS19	WS19	WS19	Method Code	LoD/Units
Depth (m)	0.10	0.50	0.10	0.50	0.10	1.00	0.10	0.50	3.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date							24.07.08	24.07.08	24.07.08		
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	29.07.08		
Batch	1	1	1	1	1	1	2	2	2		
Sample Number(s)	224-226	227-229	236-238	239-240	247-249	253-255	354	355	359-361		
GRO (C4-C12)	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
MTBE	-	<10	<10	-	-	<10	-	-	<10	TM089*	<10 ug/kg
Benzene	-	<10	<10	-	-	<10	-	-	<10	TM089 ^M	<10 ug/kg
Toluene	-	<10	<10	-	-	<10	-	-	<10	TM089 ^M	<10 ug/kg
Ethyl benzene	-	<10	<10	-	-	<10	-	-	<10	TM089 ^M	<10 ug/kg
m & p Xylene	-	<10	<10	-	-	<10	-	-	<10	TM089 ^M	<10 ug/kg
o Xylene	-	<10	<10	-	-	<10	-	-	<10	TM089 ^M	<10 ug/kg
Aliphatics C5-C6	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	-	12000	7300	-	-	17000	-	-	28000	TM173*	<100 ug/kg
Aliphatics >C16-C35	-	52000	7500	-	-	190000	-	-	120000	TM173	<100 ug/kg
Aliphatics >C35-C44	-	2100	<100	-	-	50000	-	-	20000	TM173	<100 ug/kg
Total Aliphatics C5-C44	-	66000	15000	-	-	260000	-	-	170000	TM61/89	<100 ug/kg
Aromatics C6-C7	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >C7-C8	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	-	<10	<10	-	-	<10	-	-	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	-	13000	<100	-	-	20000	-	-	170000	TM173*	<100 ug/kg
Aromatics >EC16-EC21	-	25000	1500	-	-	36000	-	-	990000	TM173*	<100 ug/kg
Aromatics >EC21-EC35	-	95000	59000	-	-	350000	-	-	3400000	TM173*	<100 ug/kg
Aromatics >EC35-EC44	-	3500	8600	-	-	79000	-	-	520000	TM173	<100 ug/kg
Total Aromatics C6-C44	-	140000	69000	-	-	480000	-	-	5100000	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C44)	-	200000	84000	-	-	740000	-	-	5200000	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: SOLID
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 16	WS 16	WS 17	WS 17	WS 18	WS 18	WS19	WS19	WS19	Method Code	LoD/Units
Depth (m)	0.10	0.50	0.10	0.50	0.10	1.00	0.10	0.50	3.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date							24.07.08	24.07.08	24.07.08		
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	29.07.08	29.07.08	29.07.08		
Batch	1	1	1	1	1	1	2	2	2		
Sample Number(s)	224-226	227-229	236-238	239-240	247-249	253-255	354	355	359-361		
PAH by GC-FID											
Naphthalene	1.5	2.7	0.14	6.0	3.3	4.2	<0.05	-	11	TM142	<0.05 mg/kg
Acenaphthylene	1.3	2.3	0.63	4.1	3.1	3.0	<0.05	-	15	TM142	<0.05 mg/kg
Acenaphthene	0.07	0.18	0.13	0.17	0.15	0.29	<0.05	-	52	TM142	<0.05 mg/kg
Fluorene	1.1	0.16	0.11	<0.05	0.23	0.32	<0.05	-	69	TM142	<0.05 mg/kg
Phenanthrene	0.98	2.9	0.38	2.0	4.1	2.8	<0.05	-	400	TM142	<0.05 mg/kg
Anthracene	0.33	0.70	0.11	0.34	0.99	0.11	<0.05	-	130	TM142	<0.05 mg/kg
Fluoranthene	1.3	4.1	0.66	1.0	7.4	5.2	0.24	-	410	TM142	<0.05 mg/kg
Pyrene	1.5	3.7	0.69	1.0	6.3	5.2	0.22	-	320	TM142	<0.05 mg/kg
Benzo(a)anthracene	0.99	1.6	0.59	1.1	3.5	3.7	0.23	-	150	TM142	<0.05 mg/kg
Chrysene	0.87	1.6	0.51	0.42	3.5	3.0	0.16	-	160	TM142	<0.05 mg/kg
Benzo(b)fluoranthene	1.2	2.0	0.68	0.53	3.0	3.4	0.14	-	77	TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.40	0.91	0.44	0.22	1.6	2.1	0.11	-	89	TM142	<0.05 mg/kg
Benzo(a)pyrene	0.77	1.5	0.77	0.93	3.8	6.2	0.20	-	130	TM142	<0.05 mg/kg
Indeno(1,2,3-cd)pyrene	2.4	0.86	0.44	<0.05	1.9	3.9	0.27	-	66	TM142	<0.05 mg/kg
Dibenzo(ah)anthracene	0.79	0.64	0.56	<0.05	0.91	3.4	0.43	-	9.6	TM142	<0.05 mg/kg
Benzo(ghi)perylene	2.1	1.2	2.0	0.32	2.6	14	1.1	-	62	TM142	<0.05 mg/kg
PAH 16 Total	18	27	8.8	18	46	60	3.1	-	2100	TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

☒

□

- * ISO 17025 accredited
- ™ MCERTS accredited
- * Subcontracted test
- » Shown on prev. report

Matrix: SOLID

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Matrix: SOLID

Client: Gifford

Location: DEARNE HIGH SCHOOL

Client Ref. No.: 14393

Client Contact: Caroline Richmond

Sample Identity	WS 20	WS 20									
Depth (m)	0.10	3.00									
Sample Type	SOLID	SOLID									
Sampled Date											
Sample Received Date	28.07.08	28.07.08									
Batch	1	1									
Sample Number(s)	259-261	268-270									
PAH by GC-FID											
Naphthalene	0.22	0.33								TM142	<0.05 mg/kg
Acenaphthylene	0.40	0.73								TM142	<0.05 mg/kg
Acenaphthene	0.09	0.12								TM142	<0.05 mg/kg
Fluorene	0.14	<0.05								TM142	<0.05 mg/kg
Phenanthrene	1.1	<0.05								TM142	<0.05 mg/kg
Anthracene	0.36	<0.05								TM142	<0.05 mg/kg
Fluoranthene	1.6	0.32								TM142	<0.05 mg/kg
Pyrene	1.3	0.24								TM142	<0.05 mg/kg
Benz(a)anthracene	0.75	<0.05								TM142	<0.05 mg/kg
Chrysene	0.75	<0.05								TM142	<0.05 mg/kg
Benzo(b)fluoranthene	0.47	<0.05								TM142	<0.05 mg/kg
Benzo(k)fluoranthene	0.31	<0.05								TM142	<0.05 mg/kg
Benzo(a)pyrene	1.1	<0.05								TM142	<0.05 mg/kg
Indeno(1,2,3-cd)pyrene	0.57	2.1								TM142	<0.05 mg/kg
Dibenzo(a,h)anthracene	0.18	0.39								TM142	<0.05 mg/kg
Benzo(ghi)perylene	1.3	0.38								TM142	<0.05 mg/kg
PAH 16 Total	11	4.6								TM142	<0.05 mg/kg

All results expressed on a dry weight basis.

Date 06.08.2008

Validated



Preliminary

**ALcontrol Laboratories Analytical Services**

* ISO 17025 accredited

M MCERTS accredited

* Subcontracted test

» Shown on prev. report

Table Of Results

Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Matrix: LEACHATE

Location: DEARNE HIGH SCHOOL

Client Contact: Caroline Richmond

Sample Identity	WS 2	WS 4	WS 6	WS 8	WS 10	WS 12	WS 14	WS 16	WS 18	Method Code	LoD/Units
Depth (m)	0.5	0.50	1.00	0.50	0.50	3.00	1.00	0.50	1.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	62-64	86-88	113-115	131-133	156-158	185-187	206-208	227-229	253-255		
Hardness Total (NRA)	23	23	16	120	20	1300	180	310	41	TM152	<1 mg/l
Arsenic Dissolved (NRA) (ICP-MS)	<0.75	<0.75	<0.75	<0.75	<0.75	0.89	2.0	1.3	7.5	TM152	<0.75 ug/l
Cadmium Dissolved (NRA) (ICP-MS)	0.50	<0.22	0.32	<0.22	<0.22	4.1	0.26	<0.22	0.26	TM152	<0.22 ug/l
Chromium Dissolved (NRA) (ICP-MS)	<1	<1	<1	5	1	3	1	<1	1	TM152	<1 ug/l
Copper Dissolved (NRA) (ICP-MS)	3.9	4.7	4.3	6.4	3.9	200	5.0	4.1	5.0	TM152	<1.6 ug/l
Lead Dissolved (NRA) (ICP-MS)	11	12	18	14	12	18	12	11	20	TM152	<0.4 ug/l
Nickel Dissolved (NRA) (ICP-MS)	<1.5	<1.5	<1.5	15	<1.5	130	7.9	3.2	2.6	TM152	<1.5 ug/l
Selenium Dissolved (NRA) (ICP-MS)	<1	<1	<1	1	<1	<1	1	2	2	TM152	<1 ug/l
Vanadium Dissolved (NRA) (ICP-MS)	<1	2	2	<1	1	<1	1	<1	2	TM152	<1 ug/l
Zinc Dissolved (NRA) (ICP-MS)	29	22	27	650	24	9900	430	58	30	TM152	<5 ug/l
Mercury Dissolved (NRA) (CVAF)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	TM183	<0.01 ug/l
Sulphate (NRA)	8	10	9	120	15	1100	170	310	11	TM098	<3 mg/l
Dissolved Organic Carbon (NRA)	3	<1	3	<1	<1	2	<1	1	6	TM090	<1 mg/l
Phenols Monohydric (NRA)	0.03	<0.01	0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	TM062	<0.01 mg/l
Total Cyanide (NRA)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM153	<0.05 mg/l
pH (NRA)	7.57	7.56	7.27	6.37	7.38	6.56	7.51	8.11	8.19	TM133	<1.00 pH Units
Aliphatics >C12-C16 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C16-C21 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C21-C35 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aliphatics >C12-C35 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC12-EC16 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC16-EC21 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC21-EC35 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aromatics >EC12-EC35 (NRA)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: LEACHATE
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS 2	WS 4	WS 6	WS 8	WS 10	WS 12	WS 14	WS 16	WS 18	Method Code	LoD/Units
Depth (m)	0.5	0.50	1.00	0.50	0.50	3.00	1.00	0.50	1.00		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date											
Sample Received Date	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08	28.07.08		
Batch	1	1	1	1	1	1	1	1	1		
Sample Number(s)	62-64	86-88	113-115	131-133	156-158	185-187	206-208	227-229	253-255		
PAH by GCMS											
Naphthalene (NRA)	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM178	<100 ng/l
Acenaphthylene (NRA)	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM178	<11 ng/l
Acenaphthene (NRA)	<15	<15	15	<15	<15	<15	<15	<15	<15	TM178	<15 ng/l
Fluorene (NRA)	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM178	<14 ng/l
Phenanthrene (NRA)	<22	<22	<22	<22	<22	<22	<22	<22	24	TM178	<22 ng/l
Anthracene (NRA)	<15	<15	<15	<15	19	<15	<15	<15	<15	TM178	<15 ng/l
Fluoranthene (NRA)	87	<17	<17	<17	60	<17	<17	<17	31	TM178	<17 ng/l
Pyrene (NRA)	61	<15	<15	<15	31	<15	<15	<15	25	TM178	<15 ng/l
Benz(a)anthracene (NRA)	21	<17	<17	<17	<17	<17	<17	<17	<17	TM178	<17 ng/l
Chrysene (NRA)	20	<13	<13	<13	<13	<13	<13	<13	<13	TM178	<13 ng/l
Benzo(b)fluoranthene (NRA)	35	<23	<23	<23	<23	<23	<23	<23	<23	TM178	<23 ng/l
Benzo(k)fluoranthene (NRA)	<27	<27	<27	<27	<27	<27	<27	<27	<27	TM178	<27 ng/l
Benzo(a)pyrene (NRA)	23	<9	<9	<9	<9	<9	<9	<9	<9	TM178	<9 ng/l
Indeno(123cd)pyrene (NRA)	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM178	<14 ng/l
Dibenzo(ah)anthracene (NRA)	<16	<16	<16	<16	<16	<16	<16	<16	<16	TM178	<16 ng/l
Benzo(ghi)perylene (NRA)	20	<16	<16	<16	<16	<16	<16	<16	<16	TM178	<16 ng/l
PAH 16 Total (NRA)	270	<100	<100	<100	110	<100	<100	<100	<100	TM178	<100 ng/l

Date 06.08.2008

☒

11

- * ISO 17025 accredited
- M MCERTS accredited
- * Subcontracted test
- » Shown on prev. report

Client Contact: Caroline Richmond

[illegible]

Date 06.08.2008

Validated ☒
Preliminary ☐

ALcontrol Laboratories Analytical Services

Table Of Results

* ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Matrix: LEACHATE
Location: DEARNE HIGH SCHOOL
Client Contact: Caroline Richmond

Sample Identity	WS19										
Depth (m)	3.00										
Sample Type	SOLID										
Sampled Date	24.07.08										
Sample Received Date	29.07.08										
Batch	2										
Sample Number(s)	359-361										
PAH by GCMS											
Naphthalene (NRA)	<100									TM178	<100 ng/l
Acenaphthylene (NRA)	11									TM178	<11 ng/l
Acenaphthene (NRA)	45									TM178	<15 ng/l
Fluorene (NRA)	34									TM178	<14 ng/l
Phenanthrene (NRA)	36									TM178	<22 ng/l
Anthracene (NRA)	20									TM178	<15 ng/l
Fluoranthene (NRA)	50									TM178	<17 ng/l
Pyrene (NRA)	39									TM178	<15 ng/l
Benz(a)anthracene (NRA)	<17									TM178	<17 ng/l
Chrysene (NRA)	<13									TM178	<13 ng/l
Benzo(h)fluoranthene (NRA)	<23									TM178	<23 ng/l
Benzo(k)fluoranthene (NRA)	<27									TM178	<27 ng/l
Benzo(a)pyrene (NRA)	<9									TM178	<9 ng/l
Indeno(1,2,3-cd)pyrene (NRA)	<14									TM178	<14 ng/l
Dibenzo(ah)anthracene (NRA)	<16									TM178	<16 ng/l
Benzo(ghi)perylene (NRA)	<16									TM178	<16 ng/l
PAH 16 Total (NRA)	240									TM178	<100 ng/l

Date 06.08.2008

ALcontrol Laboratories Analytical Services

Table Of Results - Appendix

Job Number: 08/12879/02/01
Client: Gifford
Client Ref. No.: 14393

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample ¹	Surrogate Corrected
TM001	In - house Method	Screening of Soils for Fibres			WET	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓	✓	DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓		DRY	
TM133	BS 1377 Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter			NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	

¹ Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

Table Of Results - Appendix

Client Ref. No.: .14393

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP No Determination Possible

* Subcontracted test

NFD No Fibres Detected

» Result previously reported (Incremental reports only)

ISO 17025 accredited

M MCERTS Accredited

PFD Possible Fibres Detected

EC Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Summary of Method Codes contained within report :			ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample	Surrogate Corrected
Method No.	Reference	Description				
TM142	In - house method	Analysis of Polynuclear Aromatic Hydrocarbons (PAH) by GC-FID			DRY	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed , 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser			NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed , 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓	✓	WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID			DRY	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters			NA	
TM183	BS EN 23506:2002, (BS 6068-2,74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry			NA	
TM61/89		see TM061 and TM089 for details			WET	

¹ Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

Table Of Results - Appendix

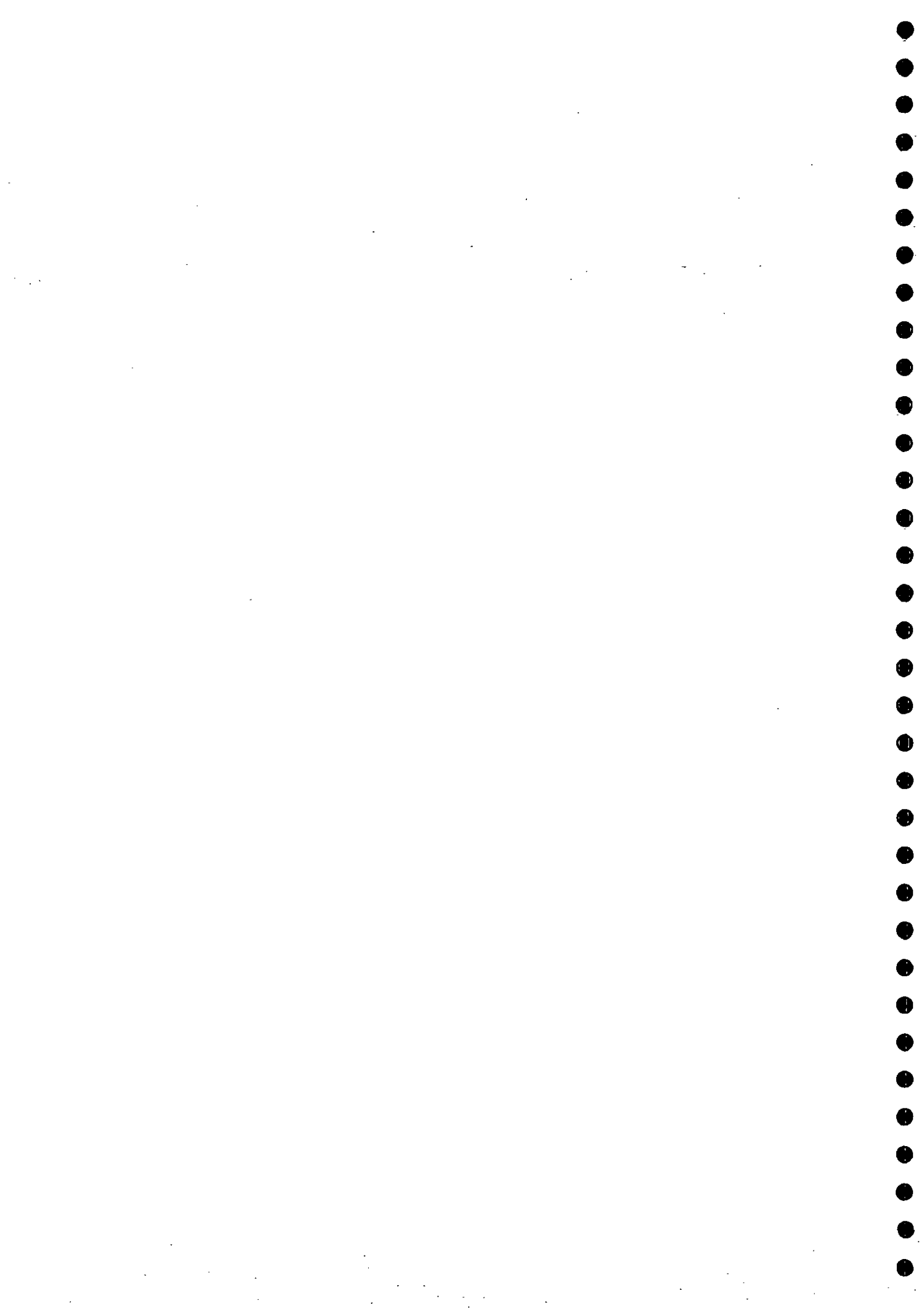
Job Number: 08/12879/02/01

Client: Gifford

Client Ref. No.: 14393

Summary of Coolbox temperatures

[illegible]



[illegible]

GENERAL NOTES:
All results reported on dry weight basis
NFD = No Fibres Detected
= Buro Hapold in-house Generic Assessment Criteria derived in CLEA UK

[illegible]

GENERAL NOTES

NFD = No Fibres Detected
* = Burs Happold in-house Generic Assessment Criteria derived in CLEA UK

ALcontrol Laboratories

Job Number: 08/12879/02/01

Client: Griford

Client Ref: 14393

Matrix: LEACHATE

Sample Identity	WS 12		WS19		Threshold Values			
	Depth	3.00	3.00					
	Type of Strata	Made Ground - LF	Made Ground - LF					
	Sample Type	SOX ID	SOX ID					
	Sample Received Date	28/07/2008	26/07/2008					
Sampled Date	1	2	Freshwater Environmental Quality Standards	UK Drinking Water Standards	Dutch Intervention Values			
Batch	1	2						
Sample Number(s)	185-187	159-161						
Method	Units	Method Detection Limit						
Hardness Total (NRA)	TM152	mg/l	<1	1300	460			
Arsenic Dissolved (NRA) (ICP-MS)	TM152	ug/l	<0.75	0.89	3.5	50	10	N/A
Cadmium Dissolved (NRA) (ICP-MS)	TM152	ug/l	<0.22	4.1	<0.22	5	5	N/A
Chromium Dissolved (NRA) (ICP-MS)	TM152	ug/l	<1	3	<1	250*	50	N/A
Copper Dissolved (NRA) (ICP-MS)	TM152	ug/l	<1.6	200	5.7	28*	2000	N/A
Lead Dissolved (NRA) (ICP-MS)	TM152	ug/l	<0.4	18	11	250*	25	N/A
Nickel Dissolved (NRA) (ICP-MS)	TM152	ug/l	<1.5	130	2.6	200*	20	N/A
Selenium Dissolved (NRA) (ICP-MS)	TM152	ug/l	<1	<1	<1	N/A	10	N/A
Vanadium Dissolved (NRA) (ICP-MS)	TM152	ug/l	<1	<1	<1			
Zinc Dissolved (NRA) (ICP-MS)	TM152	ug/l	<5	9900	29	500*	3000	N/A
Mercury Dissolved (NRA) (CVAF)	TM183	ug/l	<0.01	<0.01	<0.01	1	1	N/A
Sulphate (NRA)	TM698	mg/l	<3	1100	370	400	250	N/A
Dissolved Organic Carbon (NRA)	TM690	mg/l	<1	2	10	N/A	N/A	N/A
Phenols Monobromic (NRA)	TM662	mg/l	<0.01	0.01	0.01	0.03	0.001	N/A
Total Cyanide (NRA)	TM153	mg/l	<0.05	<0.05	<0.05	0.001*	0.05	
pH (NRA)	TM133	pH Units	<1.00	6.56	8.25			
Aliphatics >C12-C16 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Aliphatics >C16-C21 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Aliphatics >C21-C35 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Total Aliphatics >C12-C35 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Aromatics >EC12-EC16 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Aromatics >EC16-EC21 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Aromatics >EC21-EC35 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
Total Aromatics >EC12-C35 (NRA)	TM174	ug/l	<10	<10	<10	N/A	N/A	N/A
PAH by GCMS								
Naphthalene (NRA)	TM178	ng/l	<100	<100	<100	10000	N/A	N/A
Acenaphthylene (NRA)	TM178	ng/l	<11	<11	11	N/A	N/A	N/A
Acenaphthene (NRA)	TM178	ng/l	<15	<15	45	N/A	N/A	N/A
Fluorene (NRA)	TM178	ng/l	<14	<14	34	N/A	N/A	N/A
Phenanthrene (NRA)	TM178	ng/l	<22	<22	36	N/A	N/A	N/A
Anthracene (NRA)	TM178	ng/l	<15	<15	20	N/A	N/A	N/A
Fluoranthene (NRA)	TM178	ng/l	<17	<17	50	N/A	N/A	N/A
Pyrene (NRA)	TM178	ng/l	<15	<15	39	N/A	N/A	N/A
Benzo(a)anthracene (NRA)	TM178	ng/l	<17	<17	<17	N/A	N/A	N/A
Chrysene (NRA)	TM178	ng/l	<13	<13	<13	N/A	N/A	N/A
Benzo(b)fluoranthene (NRA)	TM178	ng/l	<23	<23	<23	N/A	N/A	N/A
Benzo(k)fluoranthene (NRA)	TM178	ng/l	<27	<27	<27	N/A	N/A	N/A
Benzo(a)pyrene (NRA)	TM178	ng/l	<9	<9	<9	N/A	10	50
Indeno(1,2,3-cd)pyrene (NRA)	TM178	ng/l	<14	<14	<14	N/A	N/A	N/A
Dibenz(a,h)anthracene (NRA)	TM178	ng/l	<16	<16	<16	N/A	N/A	N/A
Benzo(ghi)perylene (NRA)	TM178	ng/l	<16	<16	<16	N/A	N/A	N/A
PAH 16 Total (NRA)	TM178	ng/l	<100	<100	240	N/A	N/A	N/A

* Hardness band of >250 mg/l CaCO3 adopted based on average groundwater hardness result of 250 mg/l

* EA non-statutory (operational)

