

APPENDIX A

**Geochemical Water Sample Analysis**

carried out by TES Bretby



# TEST REPORT WATER SAMPLE ANALYSIS



1252

## TES Report No. W/EXR/001330

Site: WESTTHORN

Nicholson Site Investigation  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY


The 7 Samples described in this report were scheduled for analysis by TES Bretby on Monday, 20 March 2000. The analysis was completed by Monday, 27 March 2000.

Tests marked as 'not UKAS accredited' and any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by TES Bretby laboratories.

The following tables are contained in this report:

- Table 1 Sample Descriptions
- Table 2 Main Analysis Results



On behalf of  
TES Bretby :

  
Project Co-ordinator

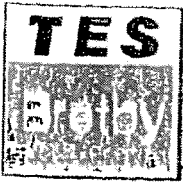
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# TEST REPORT WATER SAMPLE ANALYSIS



1252

Nicholson Site Investigation  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

TES Report No. W/EXR/001330

Client: NICHOLSON SI Ltd  
Site: WESTTHORN

Page No	ID No. W/EX/		Sample Date
1	0006444	TP 2 @ 1.10m	
1	0006445	TP 5 @ 0.70m	
1	0006446	TP 17 @ 0.70m	
1	0006447	TP 18 @ 1.00m	
2	0006448	TP 24 @ 0.40m	
2	0006449	TP 25 @ 3.00m	
2	0006450	TP 28 @ 2.20m	

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# TEST REPORT WATER SAMPLE ANALYSIS



1252

Nicholson Site Investigation  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

TES Report No. W/EXR/001330

Client: NICHOLSON SI Ltd  
Site: WESTTHORN

Sample reference		Sample 01	Sample 02	Sample 03	Sample 04
Sample Date					
TES Bratby ID Number	W/EX/..	0006444	0006445	0006446	0006447
<b>UKAS accredited</b>					
pH units	Test No.	0006444	0006445	0006446	0006447
Chloride as Cl	WSLM3	6.9	6.8	6.7	6.9
Total Sulphur as SO4 (Dissolved)	WSLM1	12	11	11	12
Nickel as Ni (Dissolved)	ICPPWW13	29.1	11.8	11.4	14.4
Chromium as Cr (Dissolved)	ICPPWW13	<0.02	<0.02	<0.02	<0.02
Cadmium as Cd (Dissolved)	ICPPWW13	<0.02	<0.02	<0.02	<0.02
Copper as Cu (Dissolved)	ICPPWW13	<0.01	<0.01	<0.01	<0.01
Lead as Pb (Dissolved)	ICPPWW13	0.03	<0.01	<0.01	<0.01
Zinc as Zn (Dissolved)	ICPPWW13	<0.03	0.04	<0.03	<0.03
Iron as Fe (Dissolved)	ICPPWW13	0.05	0.04	0.02	0.01
Arsenic as As (Dissolved)	ICPPWW13	<0.01	<0.01	0.02	<0.01
Ammoniacal Nitrogen as N	ICPPWW13	<0.03	<0.03	<0.03	<0.03
Cyanide (Total) as CN	AMMKA40	0.3	0.3	0.2	<0.2
Sulphide (Free) as S	ICTSCN28	<0.1	<0.1	<0.1	<0.1
Total Organic Carbon	ISESW24	<0.2	<0.2	<0.2	<0.2
Phenol Index as C6H5OH	WSLM13	15	6.7	5.2	4.0
	WSLM4	<0.05	<0.05	<0.05	<0.05
<b>not UKAS accredited</b>					
Boron as B (Dissolved)		0006444	0006445	0006446	0006447
Mercury as Hg (Dissolved)		0.23	0.07	<0.05	0.08
Selenium as Se (Dissolved)		<0.0001	<0.0001	<0.0001	<0.0001
		0.001	<0.001	<0.001	<0.001

Results expressed as mg/l unless stated, for the sample as received  
 Sample 01: TP 2 @ 1.10m  
 Sample 02: TP 5 @ 0.70m  
 Sample 03: TP 17 @ 0.70m  
 Sample 04: TP 18 @ 1.00m

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# TEST REPORT WATER SAMPLE ANALYSIS



1252

Nicholson Site Investigation  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

TES Report No. W/EXR/001330

Client: NICHOLSON SI Ltd  
Site: WESTTHORN

Sample reference Sample Date TES Bretby ID Number	W/EX/..	Sample 05	Sample 06	Sample 07
		0006448	0006449	0006450
<b>UKAS accredited</b>	<b>Test No.</b>			
pH units	WSLM3	6.7	6.7	6.8
Chloride as Cl	WSLM1	13	8	33
Total Sulphur as SO <sub>4</sub> (Dissolved)	ICPPWW13	21.1	14.5	42.7
Nickel as Ni (Dissolved)	ICPPWW13	<0.02	<0.02	<0.02
Chromium as Cr (Dissolved)	ICPPWW13	<0.02	<0.02	<0.02
Cadmium as Cd (Dissolved)	ICPPWW13	<0.01	<0.01	<0.01
Copper as Cu (Dissolved)	ICPPWW13	<0.01	<0.01	0.01
Lead as Pb (Dissolved)	ICPPWW13	<0.03	<0.03	<0.03
Zinc as Zn (Dissolved)	ICPPWW13	0.02	0.01	0.27
Iron as Fe (Dissolved)	ICPPWW13	0.03	0.03	0.02
Arsenic as As (Dissolved)	ICPPWW13	<0.03	<0.03	<0.03
Ammoniacal Nitrogen as N	AMMKA4D	0.5	<0.2	4.8
Cyanide (Total) as CN	ICTSCN28	<0.1	<0.1	<0.1
Sulphide (Free) as S	ISESW24	<0.2	<0.2	<0.2
Total Organic Carbon	WSLM13	5.0	4.5	21
Phenol Index as C6H5OH	WSLM4	<0.05	<0.05	<0.05
<b>not UKAS accredited</b>				
Boron as B (Dissolved)		0.06	0.07	0.21
Mercury as Hg (Dissolved)		<0.0001	<0.0001	<0.0001
Selenium as Se (Dissolved)		<0.001	<0.001	0.002

Results expressed as mg/l unless stated, for the sample as received  
 Sample 05: TP 24 @ 0.40m  
 Sample 06: TP 25 @ 3.00m  
 Sample 07: TP 28 @ 2.20m

Date of Issue: 27/03/00

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**WESTTHORN RECREATION GROUND,  
LONDON ROAD, GLASGOW**

Location .....

Location No. .... **190055**

**APPENDIX B**

**Geochemical Soil Sample Analysis**

carried out by TES Bretby



# TEST REPORT SOIL SAMPLE ANALYSIS



1252  
1411

## TES Report No. CL/001006

Site: Westthorn Park

Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH14 8 2PY

The 30 samples described in this report were scheduled for analysis by TES Bretby on Monday, 20 March 2000. The analysis was completed by Thursday, 30 March 2000.

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The following tables are contained in this report:

- Table 1 Sample Descriptions
- Table 2 Main Analysis Results

On behalf of [REDACTED]  
TES Bretby : [REDACTED]  
[REDACTED] Project Co-ordinator

Date of Issue: 30/03/00

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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Page No	Assessed Area	ID No. EFS/CL	Sample	Depth(m)		Description
				from	to	
1	190055	0007768	T/P / 1/	0.00	0.60	TP1 0.0-0.6
1	190055	0007769	T/P / 1/	0.60	0.90	TP1 0.6-0.9
1	190055	0007770	T/P / 2/	0.50	1.00	TP2 0.5-1.0
1	190055	0007771	T/P / 2/	1.10	1.50	TP2 1.1-1.5
2	190055	0007772	T/P / 4/	0.20	0.50	TP4 0.2-0.5
2	190055	0007773	T/P / 4/	0.50	0.70	TP4 0.5-0.7
2	190055	0007774	T/P / 5/	0.00	0.30	TP5 0.0-0.3
2	190055	0007775	T/P / 5/	0.50	1.00	TP5 0.5-1.0
3	190055	0007776	T/P / 7/	0.50		TP7 0.5
3	190055	0007777	T/P / 8/	0.50		TP8 0.5
3	190055	0007778	T/P / 9/	0.10	0.30	TP9 0.1-0.3
3	190055	0007779	T/P / 10/	0.50		TP10 0.5
4	190055	0007780	T/P / 11/	0.20	0.60	TP11 0.2-0.6
4	190055	0007781	T/P / 11/	0.60	0.90	TP11 0.6-0.9
4	190055	0007782	T/P / 11/	1.00		TP11 1.0
4	190055	0007783	T/P / 11/	1.40	2.00	TP11 1.4-2.0
5	190055	0007784	T/P / 12/	0.00	0.20	TP12 0.0-0.2
5	190055	0007785	T/P / 12/	0.50		TP12 0.5
5	190055	0007786	T/P / 14/	0.00	0.10	TP14 0.0-0.1
5	190055	0007787	T/P / 15/	0.00	0.20	TP15 0.0-0.2

Date of Issue: 30/03/00

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TES Bretby Report 00100 Table 1 Sheet 1/2
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# TEST REPORT SOIL SAMPLE ANALYSIS



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Bathgate Road  
Aimadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Page No	Assessed Area	ID No. EFS/CL	Sample	Depth (m)		Description
				from	to	
6	190055	0007788	T/P / 15/	0.20	0.60	TP15 0.2-0.6
6	190055	0007789	T/P / 15/	0.60	0.80	TP15 0.6-0.8
6	190055	0007790	T/P / 15/	1.00		TP15 1.0
6	190055	0007791	T/P / 15/	1.30		TP15 1.3
7	190055	0007792	T/P / 16/	0.50		TP16 0.5
7	190055	0007793	T/P / 16/	1.00		TP16 1.0
7	190055	0007794	T/P / 16/	1.65	1.70	TP16 1.65-1.7
7	190055	0007795	T/P / 17/	0.70	1.00	TP17 0.7-1.0
8	190055	0007796	T/P / 18/	0.50		TP18 0.5
8	190055	0007797	T/P / 18/	1.30	1.40	TP18 1.3-1.4

Date of Issue: 30/03/00

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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	1 0.00	1 0.60	2 0.50	2 1.10
Date logged	to 0.6	to 0.9	to 1	to 1.5
TES Bretby ID Number	20/03/00 CL/0007768	20/03/00 CL/0007769	20/03/00 CL/0007770	20/03/00 CL/0007771

UKAS accredited	Test No.	CL/0007768	CL/0007769	CL/0007770	CL/0007771
Arsenic	ICPSSS11	7	<3	4	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	30	34	42	37
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	99	32	233	23
Lead	ICPSSS11	207	61	254	31
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	27	20	36	25
pH units	WSLM3	7.4	6.7	8.0	7.4
Phenol Index	WSLM4	<0.5	<0.5	0.5	<0.5
SO4-- (acid sol)	ICPACSS8	2320 ✖	305	885	132
Sulphide	ICTSCN28	126	<1	2	<1
TEM %	TEM	0.79 ✖	0.07	0.90 ✖	0.23
Zinc	ICPSSS11	392 ✖	66	347 ↓	49

not UKAS accredited		CL/0007768	CL/0007769	CL/0007770	CL/0007771
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron		0.8	<0.5	0.7	<0.5
LOI % @ 450°C		10.6	5.7	12.8	4.3
Selenium (MS)		1.45	<0.50	0.80	0.51

Results expressed as mg/kg Air Dried unless stated otherwise  
 SO4 Analysis not conducted in accordance with BS1377  
 NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Aimadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P 4	T/P 4	T/P 5	T/P 5
Depth (m)	0.20	0.50	0.00	0.50
Date logged	to 0.5 20/03/00	to 0.7 20/03/00	to 0.3 20/03/00	to 1 20/03/00
TES Bretby ID Number	CL/0007772	CL/0007773	CL/0007774	CL/0007775

UKAS accredited	Test No.	CL/0007772	CL/0007773	CL/0007774	CL/0007775
Arsenic	ICPSSS11	12 *	<3	4	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	28	27	36	43
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	50	14	69	22
Lead	ICPSSS11	149	44	128	36
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	47	18	33	30
pH units	WSLM3	5.6	6.1	7.1	6.8
Phenol Index	WSLM4	0.9	<0.5	<0.5	<0.5
SO4 -- (acid sol)	ICPACS58	865	326	538	120
Sulphide	ICTSCN28	<1	<1	<1	<1
TEM %	TEM	0.50	0.44	0.31	0.09
Zinc	ICPSSS11	314 *	41	189	44

not UKAS accredited		CL/0007772	CL/0007773	CL/0007774	CL/0007775
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		<0.5	<0.5	<0.5	<0.5
LOI % @ 450°C		31.3 *	6.7	8.4	5.3
Selenium (MS)		1.84	<0.50	0.67	0.58

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

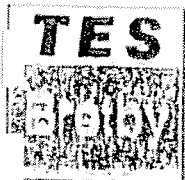
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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	7 0.50	8 0.50	9 0.10 to 0.3	10 0.50
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bretby ID Number	CL/0007776	CL/0007777	CL/0007778	CL/0007779

UKAS accredited	Test No.	CL/0007776	CL/0007777	CL/0007778	CL/0007779
Arsenic	ICPSSS11	<3	3	8	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	44	35	34	27
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	27	47	84	15
Lead	ICPSSS11	33	131	183	25
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	31	34	64	14
pH units	WSLM3	5.8	5.2	6.3	5.6
Phenol Index	WSLM4	<0.5	<0.5	<0.5	<0.5
SO4-- (acid sol)	ICPACS58	40	756	650	132
Sulphide	ICTSCN28	<1	<1	1	<1
TEM %	TEM	0.18	0.17	0.28	0.35
Zinc	ICPSSS11	44	115	152	30

not UKAS accredited		CL/0007776	CL/0007777	CL/0007778	CL/0007779
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
BOLON.		<0.5	<0.5	<0.5	<0.5
LOI % @ 450°C		5.0	9.5	12.1	2.8
Selenium (MS)		0.64	0.95	1.88	<0.50

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

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# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
 Bathgate Road  
 Armadale  
 West Lothian  
 EH48 2PY

1252  
 1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	11 0.20 to 0.6	11 0.60 to 0.9	11 1.00	11 1.40 to 2
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bretby ID Number	CL/0007780	CL/0007781	CL/0007782	CL/0007783

UKAS accredited	Test No.	CL/0007780	CL/0007781	CL/0007782	CL/0007783
Arsenic	ICPSSS11	<3	<3	<3	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	23	30	36	27
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	49	29	23	9
Lead	ICPSSS11	185	81	37	29
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	36	26	35	14
pH units	WSLM3	8.3	7.2	7.2	5.7
Phenol Index	WSLM4	<0.5	<0.5	<0.5	<0.5
SO4-- (acid sol)	ICPACS58	896	427	168	213
Sulphide	ICTSCN28	11	<1	<1	<1
TEM %	TRM	0.11	0.15	0.15	0.18
Zinc	ICPSSS11	112	90	50	41

not UKAS accredited		CL/0007780	CL/0007781	CL/0007782	CL/0007783
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		<0.5	<0.5	<0.5	0.7
LOI % @ 450°C		10.1	8.0	5.3	4.8
Selenium (MS)		0.75	<0.50	<0.50	<0.50

Results expressed as mg/kg Air Dried unless stated otherwise  
 SO4 Analysis not conducted in accordance with BS1377  
 NBFO Denotes No Bulk Fibres Observed

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TES Bretby	Report 001006
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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	12 0.00 to 0.2	12 0.50	14 0.00 to 0.1	15 0.00 to 0.2
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Brethby ID Number	CL/0007784	CL/0007785	CL/0007786	CL/0007787

UKAS accredited	Test No.	CL/0007784	CL/0007785	CL/0007786	CL/0007787
Arsenic	ICPSSS11	6	<3	4	5
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	37	27	32	41
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	45	24	105	60
Lead	ICPSSS11	159	64	230	144
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	33	22	69	38
pH units	WSLM3	6.0	5.9	7.0	5.3
Phenol Index	WSLM4	<0.5	<0.5	<0.5	0.7
SO4-- (acid sol)	ICPACS58	802	564	640	916
Sulphide	ICTSCN28	<1	<1	<1	<1
TEM %	TEM	0.14	0.19	0.15	0.44
Zinc	ICPSSS11	141	93	184	140

not UKAS accredited		CL/0007784	CL/0007785	CL/0007786	CL/0007787
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		<0.5	<0.5	0.7	<0.5
LOI % @ 450°C		14.0	8.1	12.2	14.7
Selenium (MS)		1.32	0.58	1.75	1.46

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Brethby accepts no responsibility for the sampling related to the above results

TES Brethby, PO Box 100, Bordon on Heath, DE35 0XD Telephone: [REDACTED] [REDACTED]  
TES Brethby is a division of Environmental Services Group Limited Registered in England Number 0880501

TES Brethby
Report 001006
Table 2
Sheet 5/ 8



# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Balhgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P 15	T/P 15	T/P 15	T/P 15
Depth (m)	0.20	0.60	1.00	1.30
Date logged	to 0.6	to 0.8		
TES Brethby ID Number	20/03/00 CL/0007788	20/03/00 CL/0007789	20/03/00 CL/0007790	20/03/00 CL/0007791

UKAS accredited	Test No.	CL/0007788	CL/0007789	CL/0007790	CL/0007791
Arsenic	ICPSSS11	<3	4	15	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	33	54	31	68
CN- (total)	ICTSCN2B	<1	<1	<1	<1
Copper	ICPSSS11	43	37	269	27
Lead	ICPSSS11	95	68	264	45
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	38	38	93	44
pH units	WSLM3	5.5	5.4	6.7	6.9
Phenol Index	WSLM4	<0.5	<0.5	<0.5	<0.5
SO4-- (acid sol)	ICPACS5B	471	241	648	139
Sulphide	ICTSCN2B	<1	<1	<1	<1
TEM %	TEM	0.36	0.21	0.15	0.24
Zinc	ICPSSS11	126	93	491	59

not UKAS accredited		CL/0007788	CL/0007789	CL/0007790	CL/0007791
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		<0.5	0.7	<0.5	0.7
LOI % @ 450°C		9.2	6.4	16.0	5.7
Selenium (MS)		0.79	0.57	1.06	0.70

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

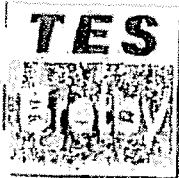
Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included  
in the UKAS Accreditation Schedule for our laboratory.

TES Brethby accepts no responsibility for the sampling related to the above results

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TES Brethby
Report 001006
Table 2
Sheet 6/8



# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P 16	T/P 16	T/P 16	T/P 17
Depth (m)	0.50	1.00	1.65 to 1.7	0.70 to 1
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bretby ID Number	CL/0007792	CL/0007793	CL/0007794	CL/0007795

UKAS accredited	Test No.	CL/0007792	CL/0007793	CL/0007794	CL/0007795
Arsenic	ICPSSS11	<3	<3	40 ↓	38 ↓
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	33	34	477 ✗	381 ✗
CN- (total)	ICTSCN28	<1	<1	<1	1
Copper	ICPSSS11	59	44	164 ✗	116
Lead	ICPSSS11	85	70	464	437
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	55	36	68	52
pH units	WSLM3	6.6	6.0	6.8	5.9
Phenol Index	WSLM4	0.8	<0.5	1.6	0.7
SO4-- (acid sol)	ICPACS58	366	331	1790	806
Sulphide	ICTSCN28	<1	1	10	<1
TEM %	TEM	0.12	1.03 ✗	0.44	0.18
Zinc	ICPSSS11	156	104	608 ↓	550 ✗

not UKAS accredited		CL/0007792	CL/0007793	CL/0007794	CL/0007795
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron		<0.5	<0.5	2.5	<0.5
LOI % @ 450°C		14.6	6.8	26.5 ✗	22.1
Selenium (MS)		1.12	0.66	3.16 ↓	1.67

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Bretby accepts no responsibility for the sampling related to the above results

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TES Bretby
Report 001006
Table 2
Sheet 7/ 8





# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001006

Site: Westthorn Park

Customer reference	T/P	T/P		
Depth (m)	18 0.50	18 1.30 to 1.4		
Date logged	20/03/00	20/03/00		
TES Bretby ID Number	CL/0007796	CL/0007797		

UKAS accredited	Test No.	CL/0007796	CL/0007797		
Arsenic	ICPSSS11	4	34 *		
Cadmium	ICPSSS11	<1	<1		
Chromium (total)	ICPSSS11	45	486 *		
CN- (total)	ICTSCN28	<1	<1		
Copper	ICPSSS11	34	113		
Lead	ICPSSS11	98	459		
Mercury	ICPSSS11	<0.5	<0.5		
Nickel	ICPSSS11	39	69		
pH units	WSLM3	6.9	7.1		
Phenol Index	WSLM4	<0.5	1.5		
SO4 -- (acid sol)	ICPACSS8	270	1260		
Sulphide	ICTSCN28	<1	<1		
TEM %	TEM	0.09	0.10		
Zinc	ICPSSS11	109	635 *		

not UKAS accredited		CL/0007796	CL/0007797		
Asbestos (screening)		NBFO	NBFO		
Boron.		<0.5	1.5		
LOI % @ 450°C		7.4	21.9		
Selenium (MS)		0.87	3.76 %		

Results expressed as mg/kg Air Dried unless stated otherwise

SO4 Analysis not conducted in accordance with BS1377

NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included  
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TES Bretby accepts no responsibility for the sampling related to the above results

TES Bretby, PO Box 100, Borton on Trent, DE15 0XD Telephone 01283 551100 Fax 01283 551122  
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TES Bretby
Report 001006
Table 2
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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Page No	Assessed Area	ID No. EFS/CL	Sample	Depth(m)		Description
				from	to	
1	190055	0007798	T/P / 19/	1.00		TP19 1.0
1	190055	0007799	T/P / 19/	1.50		TP19 1.5
1	190055	0007800	T/P / 20/	0.50		TP20 0.5
1	190055	0007801	T/P / 21/	1.00		TP21 1.0
2	190055	0007802	T/P / 21/	1.90		TP21 1.9
2	190055	0007803	T/P / 21/	2.00	2.50	TP21 2.0-2.5
2	190055	0007804	T/P / 22/	0.00	0.20	TP22 0.0-0.2
2	190055	0007805	T/P / 22/	0.20	0.40	TP22 0.2-0.4
3	190055	0007806	T/P / 22/	0.70		TP22 0.7
3	190055	0007807	T/P / 24/	0.20		TP24 0.2
3	190055	0007808	T/P / 24/	1.50		TP24 1.5
3	190055	0007809	T/P / 25/	0.00	0.20	TP25 0.0-0.2
4	190055	0007810	T/P / 25/	1.00		TP25 1.0
4	190055	0007811	T/P / 25/	2.70	3.00	TP25 2.7-3.0
4	190055	0007812	T/P / 26/	0.00	0.20	TP26 0.0-0.2
4	190055	0007813	T/P / 26/	0.50		TP26 0.5
5	190055	0007814	T/P / 26/	1.50		TP26 1.5
5	190055	0007815	T/P / 26/	2.20		TP26 2.2
5	190055	0007816	T/P / 27/	0.50		TP27 0.5
5	190055	0007817	T/P / 28/	0.50		TP28 0.5

Date of Issue: 30/03/00

Tests not marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Bretby accepts no responsibility for the sampling related to the above results

TES Bretby
Report 001007
Table 1
Sheet 1/2



# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Amadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Page No	Assessed Area	ID No. EFS/CL	Sample	Depth(m)		Description
				from	to	
6	190055	0007818	T/P / 28/	1.00		TP28 1.0

Date of Issue: 30/03/00

Tests not marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Bretby accepts no responsibility for the sampling related to the above results

TES Bretby
Report 001007
Table 1
Sheet 2/ 2

TES Bretby, PO. Box 100, Burton-on-Trent, DE15 0XD Telephone: [redacted] Fax: [redacted]  
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# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P 19 1.00	T/P 19 1.50	T/P 20 0.50	T/P 21 1.00
Depth (m)				
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bratby ID Number	CL/0007798	CL/0007799	CL/0007800	CL/0007801

UKAS accredited	Test No.	CL/0007798	CL/0007799	CL/0007800	CL/0007801
Arsenic	ICPSSS11	<3	19 <i>S</i>	<3	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	36	312 <i>X</i>	27	36
Cr- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	21	65	12	15
Lead	ICPSSS11	28	298	26	30
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	39	47	20	19
pH units	WSLM3	6.9	7.1	7.2	6.1
Phenol Index	WSLM4	<0.5	<0.5	<0.5	<0.5
SO4-- (acid sol)	ICPACS58	92	929	148	146
Sulphide	ICTSCN28	<1	6	<1	<1
TEM %	TEM	<0.05	0.19	<0.05	<0.05
Zinc	ICPSSS11	54	340 <i>X</i>	26	47

not UKAS accredited		CL/0007798	CL/0007799	CL/0007800	CL/0007801
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron		0.5	1.9	<0.5	<0.5
LOI % @ 450°C		4.8	18.5	3.4	3.4
Selenium (MS)		<0.50	2.85	<0.50	<0.50

Results expressed as mg/kg Air Dried unless stated otherwise  
 SO4 Analysis not conducted in accordance with BS1377  
 NBFO Denotes No Bulk Fibres Observed

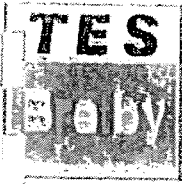
Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included  
 in the UKAS Accreditation Schedule for our laboratory.

TES Bratby accepts no responsibility for the sampling related to the above results

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TES Bratby Report 001007 Table 2 Sheet 1/6
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# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P 21	T/P 21	T/P 22	T/P 22
Depth (m)	1.90	2.00 to 2.5	0.00 to 0.2	0.20 to 0.4
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bretby ID Number	CL/0007802	CL/0007803	CL/0007804	CL/0007805

UKAS accredited	Test No.	CL/0007802	CL/0007803	CL/0007804	CL/0007805
Arsenic	ICPSSS11	23 ✓	<3	<3	<3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	348 ✗	40	33	28
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	82	25	43	53
Lead	ICPSSS11	303	33	84	46
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	52	44	29	43
pH units	WSLM3	7.2	8.2	5.6	6.2
Phenol Index	WSLM4	<0.5	<0.5	0.6	<0.5
SO4-- (acid sol)	ICPACSS8	1150	204	804	278
Sulphide	ICTSCN28	10	<1	<1	1
TEM %	TEM	0.28	0.12	0.06	<0.05
Zinc	ICPSSS11	456 ✓	62	95	75

not UKAS accredited		CL/0007802	CL/0007803	CL/0007804	CL/0007805
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		0.9	<0.5	<0.5	<0.5
LOI % @ 450°C		17.8	5.9	10.5	8.1
Selenium (MS)		1.91	<0.50	1.03	0.83

Results expressed as mg/kg Air Dried unless stated otherwise

SO4 Analysis not conducted in accordance with BS1377

NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

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TES Bretby accepts no responsibility for the sampling related to the above results

TES Bretby, PO Box 100, Burton on Trent, DE15 0XD Telephone [redacted] Fax [redacted]  
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TES Bretby
Report 001007
Table 2
Sheet 2 / 6



# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P 22	T/P 24	T/P 24	T/P 25
Depth (m)	0.70	0.20	1.50	0.00 to 0.2
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Bretby ID Number	CL/0007806	CL/0007807	CL/0007808	CL/0007809

UKAS accredited	Test No.	CL/0007806	CL/0007807	CL/0007808	CL/0007809
Arsenic	ICPSSS11	4	<3	27	7
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	20	13	391	42
CN- (total)	ICPSCN28	<1	<1	<1	<1
Copper	ICPSSS11	128	1060	99	100
Lead	ICPSSS11	278	53	386	230
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	64	39	50	57
pH units	WSLM3	6.2	6.6	6.8	7.5
Phenol Index	WSLM4	<0.5	<0.5	0.7	0.5
S04- (acid sol)	ICPACS58	314	271	1330	794
Sulphide	ICPSCN28	2	2	15	2
TEM %	TEM	0.23	0.08	0.94	0.47
Zinc	ICPSSS11	220	147	606	171

not UKAS accredited		CL/0007806	CL/0007807	CL/0007808	CL/0007809
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron.		0.5	<0.5	2.0	<0.5
LOI % @ 450°C		14.0	11.7	23.4	14.7
Selenium (MS)		0.72	0.65	2.47	1.83

Results expressed as mg/kg Air Dried unless stated otherwise  
S04 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included  
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TES Bretby accepts no responsibility for the sampling related to the above results

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TES Bretby
Report 001007
Table 2
Sheet 3/ 6



# TEST REPORT SOIL SAMPLE ANALYSIS



Nicholson (Site  
Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	25 1.00	25 2.70	26 0.00	26 0.50
Date logged	20/03/00	to 3 20/03/00	to 0.2 20/03/00	20/03/00
TES Bretby ID Number	CL/0007810	CL/0007811	CL/0007812	CL/0007813

UKAS accredited	Test No.	CL/0007810	CL/0007811	CL/0007812	CL/0007813
Arsenic	ICPSSS11	<3	28	8	9
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	34	368	37	37
CN- (total)	ICTSCN28	<1	<1	<1	<1
Copper	ICPSSS11	30	75	202	153
Lead	ICPSSS11	57	315	991	214
Mercury	ICPSSS11	<0.5	<0.5	4.0	<0.5
Nickel	ICPSSS11	39	43	41	50
pH units	WSLM3	6.6	7.6	5.8	6.7
Phenol Index	WSLM4	<0.5	1.1	0.7	0.8
SO4-- (acid sol)	ICPACS58	257	1170	1130	665
Sulphide	ICTSCN28	3	24	<1	9
TEM %	TEM	0.13	0.42	0.20	0.29
Zinc	ICPSSS11	80	455	432	247

not UKAS accredited		CL/0007810	CL/0007811	CL/0007812	CL/0007813
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron-		0.6	1.8	<0.5	<0.5
LOI % @ 450°C		6.3	16.7	17.3	14.5
Selenium (MS)		0.51	2.16	1.58	0.79

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included  
in the UKAS Accreditation Schedule for our laboratory.

TES Bretby accepts no responsibility for the sampling related to the above results

115 Bretby, PO, Box 100, Burton-on-Trent, DE15 0XD telephone: [redacted] fax [redacted]  
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TES Bretby
Report 001007
Table 2
Sheet 4 / 6





# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
Bathgate Road  
Armadale  
West Lothian  
EH48 2PY

1252  
1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P	T/P	T/P	T/P
Depth (m)	26 1.50	26 2.20	27 0.50	28 0.50
Date logged	20/03/00	20/03/00	20/03/00	20/03/00
TES Brethby ID Number	CL/0007814	CL/0007815	CL/0007816	CL/0007817

UKAS accredited	Test No.	CL/0007814	CL/0007815	CL/0007816	CL/0007817
Arsenic	ICPSSS11	<3	<3	4	3
Cadmium	ICPSSS11	<1	<1	<1	<1
Chromium (total)	ICPSSS11	32	41	49	40
CN (total)	ICTSCN2B	<1	<1	<1	<1
Copper	ICPSSS11	24	21	50	86
Lead	ICPSSS11	70	41	133	181
Mercury	ICPSSS11	<0.5	<0.5	<0.5	<0.5
Nickel	ICPSSS11	27	39	30	54
pH units	WSLM3	7.5	7.6	5.4	7.9
Phenol Index	WSLM4	<0.5	<0.5	<0.5	<0.5
SO4- (acid sol)	ICPACS5B	294	255	842	818
Sulphide	ICTSCN2B	<1	<1	<1	6
TEM %	TEM	0.06	0.10	0.11	0.28
Zinc	ICPSSS11	83	54	154	195

not UKAS accredited		CL/0007814	CL/0007815	CL/0007816	CL/0007817
Asbestos (screening)		NBFO	NBFO	NBFO	NBFO
Boron		0.5	0.6	<0.5	0.9
LOI % @ 450°C		6.0	5.9	11.1	14.5
Selenium (MS)		0.70	0.58	1.20	1.08

Results expressed as mg/kg Air Dried unless stated otherwise  
SO4 Analysis not conducted in accordance with BS1377  
NBFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.

TES Brethby accepts no responsibility for the sampling related to the above results

TES Brethby PO. Box 100, Burton-on-Trent, DE15 0XD Telephone: [redacted] Fax: [redacted]  
TES Brethby is a division of Environmental Services Group Limited Registered in England Number 2880501

TES Brethby
Report 001007
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# TEST REPORT

## SOIL SAMPLE ANALYSIS



Nicholson (Site Investigation) Ltd  
 Bathgate Road  
 Armadale  
 West Lothian  
 EH48 2PY

1252  
 1411

TES Report No. 001007

Site: Westthorn Park

Customer reference	T/P			
Depth (m)	28 1.00			
Date logged	20/03/00			
TES Bretby ID Number	CL/0007818			

UKAS accredited	Test No.	CL/0007818		
Arsenic	ICPSSS11	6		
Cadmium	ICPSSS11	<1		
Chromium (total)	ICPSSS11	42		
CN- (total)	ICTSCN28	<1		
Copper	ICPSSS11	90		
Lead	ICPSSS11	220		
Mercury	ICPSSS11	<0.5		
Nickel	ICPSSS11	45		
pH units	WSIM3	8.0		
Phenol Index	WSIM4	<0.5		
SO4-- (acid sol)	ICPACS58	958		
Sulphide	ICTSCN28	8		
TEM %	TEM	0.29		
Zinc	ICPSSS11	301		

not UKAS accredited		CL/0007818		
Asbestos (screening)		NEFO		
Boron		0.7		
LOI % @ 450°C		10.9		
Selenium (MS)		0.99		

Results expressed as mg/kg Air Dried unless stated otherwise  
 SO4 Analysis not conducted in accordance with BS1377  
 NEFO Denotes No Bulk Fibres Observed

Date of Issue: 30/03/00

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TES Bretby, PO. Box 100, Burton on Trent, DI-15 0XD Telephone: [redacted] Fax: [redacted]  
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