APPENDIX 5 LABORATORY REPORTS

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UKAS TESTING 0320

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/001		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9677
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	17
STONE CONTENT:	(%)	0

CLIENT SAMPLE REFERENCE:	1
SAMPLE LOCATION:	1
SAMPLE DEPTH:	40cm
VISUAL DESCRIPTION:	Dark brown sandy slightly gravelly clay with root fragments

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	<0.1
Benzo (a) pyrene	(mg/kg)	0.1
Benzo (b) fluoranthene	(mg/kg)	0.2
Benzo (g, h, i) perylene	(mg/kg)	<0.1
Benzo (k) fluoranthene	(mg/kg)	<0.1
Chrysene	(mg/kg)	0.1
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.3
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	<0.1
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	<0.1
Pyrene	(mg/kg)	0.2

TOTAL PAH CONTENT	(mg/kg)	2.0

Arsenic	(mg/kg)	7.4
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	21
Copper	(mg/kg)	17
Lead	(mg/kg)	36
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	15
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	100

PH VALUE	7.1

TOC	2.9

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/002		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9678
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	15
STONE CONTENT:	(%)	18

CLIENT SAMPLE REFERENCE:	2
SAMPLE LOCATION:	2
SAMPLE DEPTH:	60cm
VISUAL DESCRIPTION:	Dark brown sandy slightly gravelly clay with root fragments

Acenaphthene	(mg/kg)	0.9
Acenaphthylene	(mg/kg)	0.1
Anthracene	(mg/kg)	2.9
Benzo (a) anthracene	(mg/kg)	4.2
Benzo (a) pyrene	(mg/kg)	6.6
Benzo (b) fluoranthene	(mg/kg)	7.3
Benzo (g, h, i) perylene	(mg/kg)	4.3
Benzo (k) fluoranthene	(mg/kg)	2.7
Chrysene	(mg/kg)	4.5
Dibenzo (a,h) anthracene	(mg/kg)	0.6
Fluoranthene	(mg/kg)	13
Fluorene	(mg/kg)	0.7
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	4.5
Naphthalene	(mg/kg)	0.2
Phenanthrene	(mg/kg)	6.9
Pyrene	(mg/kg)	10

TOTAL PAH CONTENT	(mg/kg)	70

Arsenic	(mg/kg)	8.7
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	18
Copper	(mg/kg)	34
Lead	(mg/kg)	29
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	11
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	140

PH VALUE	7.3

TOC	3.3

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30˚C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/003		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9679
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	19
STONE CONTENT:	(%)	3.7

CLIENT SAMPLE REFERENCE:		3
SAMPLE LOCATION:		3
SAMPLE DEPTH:		30cm
VISUAL DESCRIPTION:		Dark brown sandy slightly gravelly clay with root fragments

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	<0.1
Benzo (a) pyrene	(mg/kg)	0.1
Benzo (b) fluoranthene	(mg/kg)	0.2
Benzo (g, h, i) perylene	(mg/kg)	<0.1
Benzo (k) fluoranthene	(mg/kg)	<0.1
Chrysene	(mg/kg)	0.1
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.3
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	<0.1
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	<0.1
Pyrene	(mg/kg)	0.2

TOTAL PAH CONTENT	(mg/kg)	2.1

Arsenic	(mg/kg)	4.9
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	19
Copper	(mg/kg)	19
Lead	(mg/kg)	25
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	14
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	78

PH VALUE	7.2

TOC	3.5

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/004		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9680
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	11
STONE CONTENT:	(%)	2.5

CLIENT SAMPLE REFERENCE:	4
SAMPLE LOCATION:	4
SAMPLE DEPTH:	60cm
VISUAL DESCRIPTION:	Dark brown clayey gravelly sand

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	0.2
Benzo (a) pyrene	(mg/kg)	0.4
Benzo (b) fluoranthene	(mg/kg)	0.6
Benzo (g, h, i) perylene	(mg/kg)	0.4
Benzo (k) fluoranthene	(mg/kg)	0.2
Chrysene	(mg/kg)	0.3
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.6
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	0.3
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	0.1
Pyrene	(mg/kg)	0.5

TOTAL PAH CONTENT	(mg/kg)	4.2

Arsenic	(mg/kg)	6.4
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	17
Copper	(mg/kg)	14
Lead	(mg/kg)	32
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	8.6
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	84

PH VALUE	7.1

TOC	2.6

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/005		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9681
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	10
STONE CONTENT:	(%)	17

CLIENT SAMPLE REFERENCE:	5
SAMPLE LOCATION:	5
SAMPLE DEPTH:	60cm
VISUAL DESCRIPTION:	Dark brown clayey gravelly sand with root fragments

Acenaphthene	(mg/kg)	5.1
Acenaphthylene	(mg/kg)	<1.0
Anthracene	(mg/kg)	7.7
Benzo (a) anthracene	(mg/kg)	7.6
Benzo (a) pyrene	(mg/kg)	8.8
Benzo (b) fluoranthene	(mg/kg)	11
Benzo (g, h, i) perylene	(mg/kg)	4.2
Benzo (k) fluoranthene	(mg/kg)	4.3
Chrysene	(mg/kg)	9.2
Dibenzo (a,h) anthracene	(mg/kg)	1.0
Fluoranthene	(mg/kg)	31
Fluorene	(mg/kg)	4.7
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	3.6
Naphthalene	(mg/kg)	<1.0
Phenanthrene	(mg/kg)	21
Pyrene	(mg/kg)	23

TOTAL PAH CONTENT	(mg/kg)	140

Arsenic	(mg/kg)	5.2
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	6.6
Copper	(mg/kg)	17
Lead	(mg/kg)	15
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	2.5
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	53

PH VALUE	7.7

TOC	2.4

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/006		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9682
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	5.2
STONE CONTENT:	(%)	34

CLIENT SAMPLE REFERENCE:	6
SAMPLE LOCATION:	6
SAMPLE DEPTH:	80cm
VISUAL DESCRIPTION:	Dark brown clayey gravelly sand

Acenaphthene	(mg/kg)	<1.0
Acenaphthylene	(mg/kg)	<1.0
Anthracene	(mg/kg)	2.4
Benzo (a) anthracene	(mg/kg)	5.5
Benzo (a) pyrene	(mg/kg)	14
Benzo (b) fluoranthene	(mg/kg)	15
Benzo (g, h, i) perylene	(mg/kg)	9.9
Benzo (k) fluoranthene	(mg/kg)	5.8
Chrysene	(mg/kg)	7.6
Dibenzo (a,h) anthracene	(mg/kg)	1.6
Fluoranthene	(mg/kg)	16
Fluorene	(mg/kg)	<1.0
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	11
Naphthalene	(mg/kg)	<1.0
Phenanthrene	(mg/kg)	5.4
Pyrene	(mg/kg)	14

TOTAL PAH CONTENT	(mg/kg)	110

Arsenic	(mg/kg)	7.3
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	27
Copper	(mg/kg)	22
Lead	(mg/kg)	12
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	16
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	64

PH VALUE	7.7

TOC	6.0

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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UKAS TESTING 0320

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Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/007		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9683
SAMPLE MATRIX:		Sand
MOISTURE CONTENT:	(%)	14
STONE CONTENT:	(%)	0

CLIENT SAMPLE REFERENCE:	7
SAMPLE LOCATION:	7
SAMPLE DEPTH:	90cm
VISUAL DESCRIPTION:	Light brown slightly gravelly sand

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	0.1
Benzo (a) pyrene	(mg/kg)	0.2
Benzo (b) fluoranthene	(mg/kg)	0.3
Benzo (g, h, i) perylene	(mg/kg)	0.1
Benzo (k) fluoranthene	(mg/kg)	0.1
Chrysene	(mg/kg)	0.2
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.5
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	0.2
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	0.2
Pyrene	(mg/kg)	0.4

TOTAL PAH CONTENT	(mg/kg)	2.9

Arsenic	(mg/kg)	1.9
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	22
Copper	(mg/kg)	14
Lead	(mg/kg)	11
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	19
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	67

PH VALUE	7.2

TOC	0.6

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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UKAS TESTING 0320

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/008		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9684
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	14
STONE CONTENT:	(%)	1.7

CLIENT SAMPLE REFERENCE:	8
SAMPLE LOCATION:	8
SAMPLE DEPTH:	40cm
VISUAL DESCRIPTION:	Dark brown slightly gravelly sandy clay with root fragments

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	<0.1
Benzo (a) pyrene	(mg/kg)	<0.1
Benzo (b) fluoranthene	(mg/kg)	0.3
Benzo (g, h, i) perylene	(mg/kg)	<0.1
Benzo (k) fluoranthene	(mg/kg)	0.3
Chrysene	(mg/kg)	<0.1
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.3
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	<0.1
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	0.2
Pyrene	(mg/kg)	0.2

TOTAL PAH CONTENT	(mg/kg)	2.3

Arsenic	(mg/kg)	4.1
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	20
Copper	(mg/kg)	15
Lead	(mg/kg)	41
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	10
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	79

PH VALUE	4.8

TOC	3.7

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

.....
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UKAS TESTING 0320

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Nicholls Colton ANALYTICAL

TEST REPORT

SOIL ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/009		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 10.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 07.11.08

NCA SAMPLE REFERENCE:		08-9685
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	20
STONE CONTENT:	(%)	0

CLIENT SAMPLE REFERENCE:	9
SAMPLE LOCATION:	9
SAMPLE DEPTH:	30cm
VISUAL DESCRIPTION:	Dark brown sandy slightly gravelly clay with root fragments

Acenaphthene	(mg/kg)	<0.1
Acenaphthylene	(mg/kg)	<0.1
Anthracene	(mg/kg)	<0.1
Benzo (a) anthracene	(mg/kg)	<0.1
Benzo (a) pyrene	(mg/kg)	<0.1
Benzo (b) fluoranthene	(mg/kg)	<0.1
Benzo (g, h, i) perylene	(mg/kg)	<0.1
Benzo (k) fluoranthene	(mg/kg)	<0.1
Chrysene	(mg/kg)	<0.1
Dibenzo (a,h) anthracene	(mg/kg)	<0.1
Fluoranthene	(mg/kg)	0.1
Fluorene	(mg/kg)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	<0.1
Naphthalene	(mg/kg)	<0.1
Phenanthrene	(mg/kg)	<0.1
Pyrene	(mg/kg)	<0.1

TOTAL PAH CONTENT	(mg/kg)	1.6

Arsenic	(mg/kg)	7.6
Cadmium	(mg/kg)	<0.7
Chromium (Total)	(mg/kg)	18
Copper	(mg/kg)	14
Lead	(mg/kg)	47
Mercury	(mg/kg)	<0.7
Nickel	(mg/kg)	8.0
Selenium	(mg/kg)	<1.4
Zinc	(mg/kg)	74

PH VALUE	4.1

TOC	3.9

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - PAH, MS - CL - TOC, MS - CL - ICP Metals and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an air dried sample for all tests..
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, where appropriate these results have been corrected for moisture content but not stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <30°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on the 10mm test sieve.
6. Sample was supplied by customer.
7. MCERTS accreditation does not cover mercury, anthracene, acenaphthylene, total PAH, TOC and pH value. All testing is UKAS accredited with the exception of TOC.

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Nicholls Colton
ANALYTICAL

TEST REPORT

WATER ANALYSIS

SYCAMORE FARM

REPORT NO. E08/LCS/001/017		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 11.11.08

NCA SAMPLE REFERENCE:	08-9693
SAMPLE MATRIX:	Water

HOLE NUMBER:	3B
SAMPLE NUMBER:	180cm

Acenaphthene	(µg/l)	<0.1
Acenaphthylene	(µg/l)	<0.1
Anthracene	(µg/l)	<0.1
Benzo (a) anthracene	(µg/l)	<0.1
Benzo (a) pyrene	(µg/l)	<0.1
Benzo (b) fluoranthene	(µg/l)	<0.1
Benzo (g, h, i) perylene	(µg/l)	<0.1
Benzo (k) fluoranthene	(µg/l)	<0.1
Chrysene	(µg/l)	<0.1
Dibenzo (a,h) anthracene	(µg/l)	<0.1
Fluoranthene	(µg/l)	<0.1
Fluorene	(µg/l)	<0.1
Indeno (1, 2, 3,-cd) pyrene	(µg/l)	<0.1
Naphthalene	(µg/l)	0.2
Phenanthrene	(µg/l)	0.1
Pyrene	(µg/l)	<0.1
TOTAL PAH CONTENT	(µg/l)	1.7

Arsenic	(µg/l)	<2.5
Cadmium	(µg/l)	<.5
Chromium (Total)	(µg/l)	<2.5
Copper	(µg/l)	<1
Lead	(µg/l)	<1
Mercury	(µg/l)	<1
Nickel	(µg/l)	<2.5
Zinc	(µg/l)	<1

Total Petroleum Hydrocarbon Content (>C_8 to C_{40})	(mg/l)	<0.1

NOTES:
1. Analysis was carried out in accordance with NCA method statements: MS - CL - ICP Waters and BS 1377: Parts 1 and 3 : 1990.
2. Testing was carried out on an as received sample.
3. Sample was supplied by client.
4. PAH and TPH were subcontracted to SAL.

.....
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TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/010		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9686
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	18
STONE CONTENT:	(%)	8.0

CLIENT SAMPLE REFERENCE:	3A
SAMPLE LOCATION:	3A
SAMPLE DEPTH	40cm
VISUAL DESCRIPTION:	Dark brown slightly gravelly sandy clay with roots

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 5.9**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**12**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**92**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**110**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/011		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9687
SAMPLE MATRIX:		Sand
MOISTURE CONTENT:	(%)	12
STONE CONTENT:	(%)	1.4

CLIENT SAMPLE REFERENCE:	4A
SAMPLE LOCATION:	4A
SAMPLE DEPTH	60cm
VISUAL DESCRIPTION:	Dark brown clayey slightly gravelly sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 5.6**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**< 11**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**73**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**85**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/012		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9688
SAMPLE MATRIX:		Sand
MOISTURE CONTENT:	(%)	13
STONE CONTENT:	(%)	13

CLIENT SAMPLE REFERENCE:	5A
SAMPLE LOCATION:	5A
SAMPLE DEPTH	60cm
VISUAL DESCRIPTION:	Dark brown clayey gravelly sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 56**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**280**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**2000**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**2300**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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UKAS TESTING 0320

mCERTS THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

Nicholls Colton ANALYTICAL

TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/013		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9689	CLIENT SAMPLE REFERENCE:		6A
SAMPLE MATRIX:		Sand	SAMPLE LOCATION:		6A
MOISTURE CONTENT:	(%)	7.1	SAMPLE DEPTH		80cm
STONE CONTENT:	(%)	31	VISUAL DESCRIPTION:		Dark brown clayey gravelly sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 54**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**< 110**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**3100**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**3200**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/014		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9690
SAMPLE MATRIX:		Sand
MOISTURE CONTENT:	(%)	16
STONE CONTENT:	(%)	2.1

CLIENT SAMPLE REFERENCE:	7A
SAMPLE LOCATION:	7A
SAMPLE DEPTH	60cm
VISUAL DESCRIPTION:	Light brown gravelly sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 5.8**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**< 12**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**60**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**70**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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UKAS TESTING 0320

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Nicholls Colton ANALYTICAL

TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/015		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9691
SAMPLE MATRIX:		Sand
MOISTURE CONTENT:	(%)	19
STONE CONTENT:	(%)	0

CLIENT SAMPLE REFERENCE:	8A
SAMPLE LOCATION:	8A
SAMPLE DEPTH	180cm
VISUAL DESCRIPTION:	Light brown sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 6.0**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**< 12**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**24**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**32**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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TEST REPORT

BANDED TOTAL PETROLEUM HYDROCARBON CONTENT

SYCAMORE FARM

REPORT NO. E08/LCS/001/016		
ORDER REFERENCE: ANDY MCPARLAND		DATE OF ISSUE: 12.11.08
DATE & TIME OF SAMPLING: 01.11.08	DATE OF RECEIPT: 03.11.08	DATE OF TESTING: 03 TO 12.11.08

NCA SAMPLE REFERENCE:		08-9692
SAMPLE MATRIX:		Loam
MOISTURE CONTENT:	(%)	5.4
STONE CONTENT:	(%)	9.9

CLIENT SAMPLE REFERENCE:	10A
SAMPLE LOCATION:	10A
SAMPLE DEPTH	70cm
VISUAL DESCRIPTION:	Dark brown clayey slightly gravelly sand

Gasoline Range Organics	(> C_8 to C_{10})	(mg/kg)	**< 53**
Diesel Range Organics	(> C_{10} to C_{21})	(mg/kg)	**500**
Mineral Range Organics	(> C_{21} to C_{40})	(mg/kg)	**5600**

Total Petroleum Hydrocarbon Content	(> C_8 to C_{40})	(mg/kg)	**6100**

NOTES:
1. Analysis was carried out in accordance with NCA method statement: MS - CL - TPH.
2. Testing was carried out on an as received sample.
3. Concentrations are reported as a percentage mass of the dry soil passing the 10mm BS test sieve, these results have been corrected for moisture content but not for stone content.
4. Moisture Content was determined in accordance with NCA method statement MS - CL - Sample Prep, oven dried at <105°C.
5. Stone Content was determined in accordance with NCA method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.
6. MCERTS accreditation does cover the gasoline range organics (>C_8 to C_{10}).
6. Sample was supplied by client.

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