BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH2
Sample Ref	U4
Depth (m)	9.00
Sample Type	U

Description:

Stiff dark grey brown CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	200.8
Diameter	(mm)	102.4
Moisture Content	(%)	28
Bulk Density	(Mg/m³)	2.00
Dry Density	(Mg/m³)	1.56
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.4
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	180
Strain at failure	(%)	6.0
Maximum Deviator Stress	(kPa)	242
Shear Stress Cu	(kPa)	121

Mode of failure

Orientation of the sample	Vertical
Distance from top of tube mm	80

Checked and Approved by:

S Burke

Senior Technician
11/03/2015

Project Number:

GEO / 22271

Project Name:

41 FROGNAL, HEMPSTEAD, NW3 6YD

J15019

GEOLABS

UKAS TESTING 1982

BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH2
Sample Ref	U5
Depth (m)	12.00
Sample Type	U

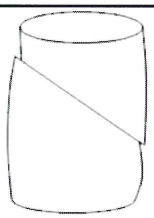
Description:

Stiff fissured dark grey brown CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.1
Diameter	(mm)	102.3
Moisture Content	(%)	28
Bulk Density	(Mg/m³)	2.00
Dry Density	(Mg/m³)	1.57
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.3
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	240
Strain at failure	(%)	3.7
Maximum Deviator Stress	(kPa)	290
Shear Stress Cu	(kPa)	145

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	10

Checked and Approved by:

S Burke

Senior Technician
11/03/2015

Project Number:

GEO / 22271

Project Name:

41 FROGNAL, HEMPSTEAD, NW3 6YD

J15019

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BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH2
Sample Ref	U6
Depth (m)	15.80
Sample Type	U

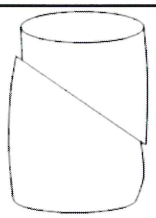
Description:

Stiff dark grey brown CLAY

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	200.9
Diameter	(mm)	102.4
Moisture Content	(%)	28
Bulk Density	(Mg/m³)	2.00
Dry Density	(Mg/m³)	1.57
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.3
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	316
Strain at failure	(%)	4.5
Maximum Deviator Stress	(kPa)	283
Shear Stress Cu	(kPa)	141

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	70

Checked and Approved by:

S Burke

Senior Technician
11/03/2015

Project Number:

GEO / 22271

Project Name:

41 FROGNAL, HEMPSTEAD, NW3 6YD

J15019

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BS 1377 : Part 7 : 1990 Clause 8

Quick Undrained Triaxial Compression Test

BH/TP No	BH2
Sample Ref	U7
Depth (m)	18.00
Sample Type	U

Description:

Stiff fissured dark brownish grey CLAY with rare pyrite nodules

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.6
Diameter	(mm)	103.5
Moisture Content	(%)	28
Bulk Density	(Mg/m³)	1.92
Dry Density	(Mg/m³)	1.49
Test Details		
Latex membrane thickness	(mm)	0.3
Membrane correction	(kPa)	0.2
Axial displacement rate	(%/min)	2.0
Cell pressure	(kPa)	360
Strain at failure	(%)	2.2
Maximum Deviator Stress	(kPa)	187
Shear Stress Cu	(kPa)	94

Mode of failure

Orientation of the sample	Vertical
Distance from top of tube mm	20

Checked and Approved by:

S Burke

Senior Technician
11/03/2015

Project Number:

GEO / 22271

Project Name:

41 FROGNAL, HEMPSTEAD, NW3 6YD
J15019

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UKAS TESTING 1982

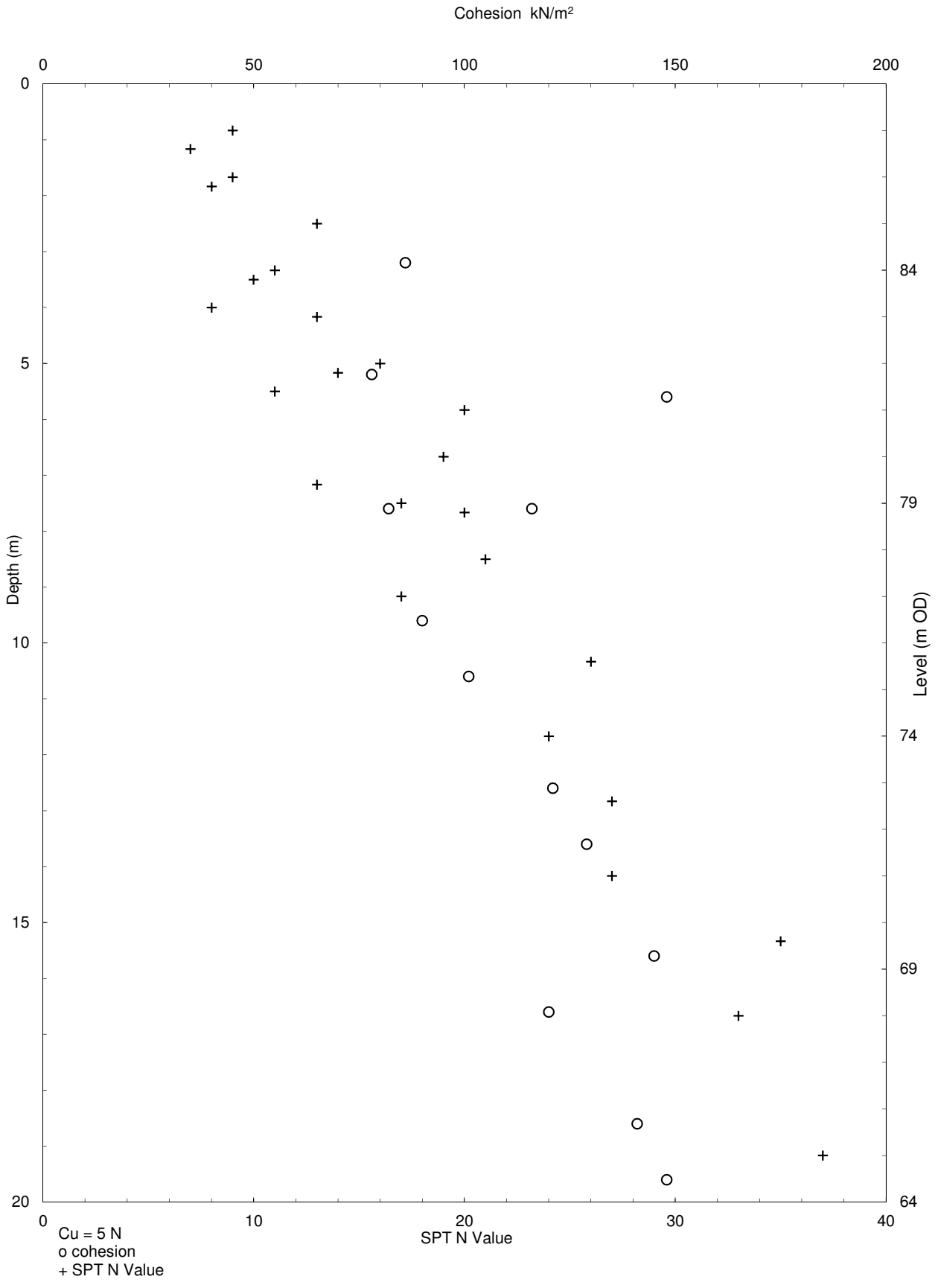
Geotechnical & Environmental Associates
Widbury Barn
Widbury Hill
Ware
Herts SG12 7QE

SPT & Cohesion / Depth Graph

Site	41 Frognal, Hampstead, London NW3 6YD
Client	BTP Group
Engineer	Elliott Wood

Job Number J15019

Sheet 1 / 1



Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report Number:	15-04604 Issue-1
Initial Date of Issue:	04-Mar-2015
Client:	GEA
Client Address:	Widbury Barn Widbury Hill Ware Hertfordshire SG12 7QE
Contact(s):	Kirstie Broadbent
Project:	J15019 - 41 Frognal, Hempstead, NW3 6YD

Quotation No.:		**Date Received:**	02-Mar-2015
Order No.:		**Date Instructed:**	02-Mar-2015
No. of Samples:	3		
Turnaround: (Wkdays)	3	**Results Due Date:**	04-Mar-2015
Date Approved:	04-Mar-2015		

Approved By:

Details: Robert Monk, Technical Development Chemist

Chemtest
The right chemistry to deliver results

Results Summary - Soil

Project: J15019 - 41 Frognal, Hempstead, NW3 6YD

Client: GEA				**Chemtest Job No.:**	15-04604	15-04604	15-04604
Quotation No.:				**Chemtest Sample ID.:**	109078	109079	109080
Order No.:				Client Sample Ref.:			
				Client Sample ID.:	BH01	BH01	BH02
				Sample Type:	SOIL	SOIL	SOIL
				Top Depth (m):	0.4	0.8	0.3
				Bottom Depth(m):			
				Date Sampled:	25-Feb-15	25-Feb-15	25-Feb-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**			
Moisture	N	2030	%	0.02	17	17	19
Stones	N	2030	%	0.02	< 0.020	< 0.020	< 0.020
Soil Colour	N				brown	brown	brown
Other Material	N				stones	stones	stones
Soil Texture	N				clay	clay	clay
pH	M	2010			7.6	6.2	6.0
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	0.16	0.26	< 0.010
Chloride (Extractable)	M	2220	g/l	0.01	0.014	0.017	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.5	< 0.50	< 0.50	< 0.50
Sulphide (Easily Liberatable)	M	2325	mg/kg	0.5	1.4	1.7	1.5
Sulphate (Total)	M	2430	mg/kg	100	600	690	570
Arsenic	M	2450	mg/kg	1	24	7.8	30
Cadmium	M	2450	mg/kg	0.1	< 0.10	< 0.10	0.25
Chromium	M	2450	mg/kg	1	78	49	51
Copper	M	2450	mg/kg	0.5	21	12	52
Mercury	M	2450	mg/kg	0.1	< 0.10	< 0.10	1.2
Nickel	M	2450	mg/kg	0.5	25	18	33
Lead	M	2450	mg/kg	0.5	23	17	390
Selenium	M	2450	mg/kg	0.2	0.68	< 0.20	0.34
Zinc	M	2450	mg/kg	0.5	65	43	140
Total Organic Carbon	M	2625	%	0.2	0.46	0.29	2.6
TPH >C5-C6	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C6-C7	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C7-C8	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C8-C10	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C10-C12	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C12-C16	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C16-C21	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
TPH >C21-C35	N	2670	mg/kg	1	< 1.0	< 1.0	< 1.0
Total TPH >C5-C35	N	2670	mg/kg	10	< 10	< 10	< 10
Naphthalene	M	2700	mg/kg	0.1	1.1	2.4	1.7
Acenaphthylene	M	2700	mg/kg	0.1	0.35	0.47	0.23
Acenaphthene	M	2700	mg/kg	0.1	1.9	3.4	1.8

Results Summary - Soil

Project: J15019 - 41 Frognal, Hempstead, NW3 6YD

Client: GEA			**Chemtest Job No.:**	15-04604	15-04604	15-04604
Quotation No.:			**Chemtest Sample ID.:**	109078	109079	109080
Order No.:			Client Sample Ref.:			
			Client Sample ID.:	BH01	BH01	BH02
			Sample Type:	SOIL	SOIL	SOIL
			Top Depth (m):	0.4	0.8	0.3
			Bottom Depth(m):			
			Date Sampled:	25-Feb-15	25-Feb-15	25-Feb-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
Fluorene	M	2700	mg/kg	0.1	0.35	0.91	0.47
Phenanthrene	M	2700	mg/kg	0.1	0.21	0.51	0.62
Anthracene	M	2700	mg/kg	0.1	< 0.10	< 0.10	0.10
Fluoranthene	M	2700	mg/kg	0.1	0.33	0.75	1.1
Pyrene	M	2700	mg/kg	0.1	0.32	0.71	1.1
Benzo[a]anthracene	M	2700	mg/kg	0.1	< 0.10	0.34	0.60
Chrysene	M	2700	mg/kg	0.1	< 0.10	1.7	1.3
Benzo[b]fluoranthene	M	2700	mg/kg	0.1	< 0.10	0.61	0.92
Benzo[k]fluoranthene	M	2700	mg/kg	0.1	< 0.10	1.5	0.84
Benzo[a]pyrene	M	2700	mg/kg	0.1	< 0.10	0.29	0.56
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.1	< 0.10	0.27	0.53
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.1	< 0.10	0.29	0.41
Benzo[g,h,i]perylene	M	2700	mg/kg	0.1	< 0.10	0.29	0.64
Total Of 16 PAH's	M	2700	mg/kg	2	4.6	14	13
Total Phenols	M	2920	mg/kg	0.3	< 0.30	< 0.30	< 0.30

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 60 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report Number:	15-02060 Issue-1
Initial Date of Issue:	04-Feb-2015
Client:	GEA
Client Address:	Tyttenhanger House Coursers Road Saint Albans Hertfordshire AL4 0PG
Contact(s):	Kirstie Broadbent Matt Legg
Project:	J15019 - 41 Frognal, Hempstead, NW3 6YD

Quotation No.:		**Date Received:**	30-Jan-2015
Order No.:		**Date Instructed:**	02-Feb-2015
No. of Samples:	1		
Turnaround: (Wkdays)	3	**Results Due Date:**	04-Feb-2015
Date Approved:	04-Feb-2015		

Approved By:

Details: Keith Jones, Technical Manager

Results Summary - Soil

Project: J15019 - 41 Frognal, Hempstead, NW3 6YD

Client: GEA			**Chemtest Job No.:**		15-02060
Quotation No.:			**Chemtest Sample ID.:**		96310
Order No.:			Client Sample Ref.:		
			Client Sample ID.:		BH03
			Sample Type:		SOIL
			Top Depth (m):		0.3
			Bottom Depth(m):		
			Date Sampled:		28-Jan-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Moisture	N	2030	%	0.02	18
Stones	N	2030	%	0.02	< 0.020
Soil Colour	N				Brown
Other Material	N				Stones
Soil Texture	N				Clay
pH	M	2010			7.3
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.01	0.013
Chloride (Extractable)	U	2220	g/l	0.01	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.5	< 0.50
Sulphide (Easily Liberatable)	M	2325	mg/kg	0.5	1.4
Sulphate (Total)	M	2430	mg/kg	100	580
Arsenic	M	2450	mg/kg	1	14
Cadmium	M	2450	mg/kg	0.1	0.19
Chromium	M	2450	mg/kg	1	51
Copper	M	2450	mg/kg	0.5	35
Mercury	M	2450	mg/kg	0.1	0.28
Nickel	M	2450	mg/kg	0.5	39
Lead	M	2450	mg/kg	0.5	120
Selenium	M	2450	mg/kg	0.2	< 0.20
Zinc	M	2450	mg/kg	0.5	100
Total Organic Carbon	M	2625	%	0.2	1.3
TPH >C5-C6	N	2670	mg/kg	1	< 1.0
TPH >C6-C7	N	2670	mg/kg	1	< 1.0
TPH >C7-C8	N	2670	mg/kg	1	< 1.0
TPH >C8-C10	N	2670	mg/kg	1	< 1.0
TPH >C10-C12	N	2670	mg/kg	1	< 1.0
TPH >C12-C16	N	2670	mg/kg	1	< 1.0
TPH >C16-C21	N	2670	mg/kg	1	< 1.0
TPH >C21-C35	N	2670	mg/kg	1	< 1.0
Total TPH >C5-C35	N	2670	mg/kg	10	< 10
Naphthalene	M	2700	mg/kg	0.1	< 0.10
Acenaphthylene	M	2700	mg/kg	0.1	< 0.10
Acenaphthene	M	2700	mg/kg	0.1	< 0.10

Results Summary - Soil

Project: J15019 - 41 Frognal, Hempstead, NW3 6YD

Client: GEA			**Chemtest Job No.:**		15-02060
Quotation No.:			**Chemtest Sample ID.:**		96310
Order No.:			Client Sample Ref.:		
			Client Sample ID.:		BH03
			Sample Type:		SOIL
			Top Depth (m):		0.3
			Bottom Depth(m):		
			Date Sampled:		28-Jan-15
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
Fluorene	M	2700	mg/kg	0.1	< 0.10
Phenanthrene	M	2700	mg/kg	0.1	0.17
Anthracene	M	2700	mg/kg	0.1	< 0.10
Fluoranthene	M	2700	mg/kg	0.1	0.38
Pyrene	M	2700	mg/kg	0.1	0.37
Benzo[a]anthracene	M	2700	mg/kg	0.1	< 0.10
Chrysene	M	2700	mg/kg	0.1	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.1	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.1	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.1	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.1	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.1	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.1	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2	< 2.0
Total Phenols	M	2920	mg/kg	0.3	< 0.30

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Charges may apply to extended sample storage

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customerservices@chemtest.co.uk

GEA Geotechnical & Environmental Associates

Tyttenhanger House
Coursers Road
St Albans
AL4 0PG

Generic Risk-Based Soil Screening Values

Site	41 Frognal, Hampstead, NW3 6YD	**Job Number** J15019
Client	BTP Group	**Sheet** 1 / 1
Engineer	Elliott Wood	

Proposed End Use Residential with plant uptake

Soil pH 7

Soil Organic Matter content % 2.5

Contaminant	Screening Value mg/kg	Data Source
Metals		
Arsenic	37	C4SL
Cadmium	26	C4SL
Chromium (III)	3000	LQM/CIEH
Chromium (VI)	21	C4SL
Copper	2,330	LQM/CIEH
Lead	200	C4SL
Elemental Mercury	1	SGV
Inorganic Mercury	170	SGV
Nickel	130	LQM/CIEH
Selenium	350	SGV
Zinc	3,750	LQM/CIEH
Hydrocarbons		
Benzene	0.34	C4SL
Toluene	320	SGV
Ethyl Benzene	180	SGV
Xylene	120	SGV
Aliphatic C5-C6	55	LQM/CIEH
Aliphatic C6-C8	160	LQM/CIEH
Aliphatic C8-C10	46	LQM/CIEH
Aliphatic C10-C12	230	LQM/CIEH
Aliphatic C12-C16	1700	LQM/CIEH
Aliphatic C16-C35	64,000	LQM/CIEH
Aromatic C6-C7	See Benzene	LQM/CIEH
Aromatic C7-C8	See Toluene	LQM/CIEH
Aromatic C8-C10	65	LQM/CIEH
Aromatic C10-C12	160	LQM/CIEH
Aromatic C12-C16	310	LQM/CIEH
Aromatic C16-C21	480	LQM/CIEH
Aromatic C21-C35	1100	LQM/CIEH
PRO (C_5 –C_{10})	646	Calc
DRO (C_{12} –C_{28})	66,490	Calc
Lube Oil (C_{28} –C_{44})	65,100	Calc
TPH	**1000**	Trigger for speciated testing

Contaminant	Screening Value mg/kg	Data Source
Anions		
Soluble Sulphate	0.5 g/l	Structures
Sulphide	50	Structures
Chloride	400	Structures
Others		
Organic Carbon (%)	6	Methanogenic potential
Total Cyanide	140	WRAS
Total Mono Phenols	290	SGV
PAH		
Naphthalene	5.30	Rev. LQM/CIEH
Acenaphthylene	400	LQM/CIEH
Acenaphthene	480	LQM/CIEH
Fluorene	380	LQM/CIEH
Phenanthrene	200	LQM/CIEH
Anthracene	4,900	LQM/CIEH
Fluoranthene	460	LQM/CIEH
Pyrene	1,000	LQM/CIEH
Benzo(a) Anthracene	6.7	Rev. LQM/CIEH
Chrysene	11	Rev. LQM/CIEH
Benzo(b) Fluoranthene	9.5	Rev. LQM/CIEH
Benzo(k) Fluoranthene	14.1	Rev. LQM/CIEH
Benzo(a) pyrene	4.40	C4SL
Indeno(1 2 3 cd) Pyrene	5.6	Rev. LQM/CIEH
Dibenzo(a h) Anthracene	1.27	Rev. LQM/CIEH
Benzo (g h i) Perylene	69	Rev. LQM/CIEH
Screening value for PAH	**62.9**	B(a)P / 0.15
Chlorinated Solvents		
1,1,1 trichloroethane (TCA)	12.9	LQM/CIEH
tetrachloroethane (PCA)	2.1	LQM/CIEH
tetrachloroethene (PCE)	2.1	LQM/CIEH
trichloroethene (TCE)	0.22	LQM/CIEH
1,2-dichloroethane (DCA)	0.008	LQM/CIEH
vinyl chloride (Chloroethene)	0.00064	LQM/CIEH
tetrachloromethane (Carbon tetra	0.039	LQM/CIEH
trichloromethane (Chloroform)	1.3	LQM/CIEH

Notes

Concentrations measured below the above values may be considered to represent 'uncontaminated conditions' which pose 'LOW' risk to human health. Concentrations measured in excess of these valuesindicate a potential risk which require further, site specific risk assessment.

SGV - Soil Guideline Value, derived from the CLEA model and published by Environment Agency 2009

LQM/CIEH - Generic Assessment Criteria for Human Health Risk Assessment 2nd edition (2009)derived using CLEA 1.04 model 2009

C4SL - Defra Category 4 Screening value based on Low Level of Toxicological Risk

Rev LQM/CIEH calculated using C4SL revisions to exposure assessment but LQM/CIEH health croiteria values

Calc - sum of nearest available carbon range specified including BTEX for PRO fraction

B(a)P / 0.15 - GEA experince indicates that Benzo(a) pyrene (one of the most common and most carcenogenic of the PAHs) rarely exceeds 15% of the total PAH concentration, hence this Total PAH threshold is regarded as being conservative

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
63607179_1_1

Customer Reference:
J15019

National Grid Reference:
526130, 185360

Slice:
A

Site Area (Ha):
0.33

Search Buffer (m):
1000

Site Details:

41 Frognal
LONDON
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Contents

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Natural England Copyright Notice

Ove Arup Copyright Notice

Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v49.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
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Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1			3	12
Local Authority Pollution Prevention and Control Enforcements					
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Prosecutions Relating to Controlled Waters					
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River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				(*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 4				1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

Geotechnical & Environmental Associates

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 6				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 6				3
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Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 10		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 13	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a