

Landborne Gas Assessment

Site Ref: Site Name:

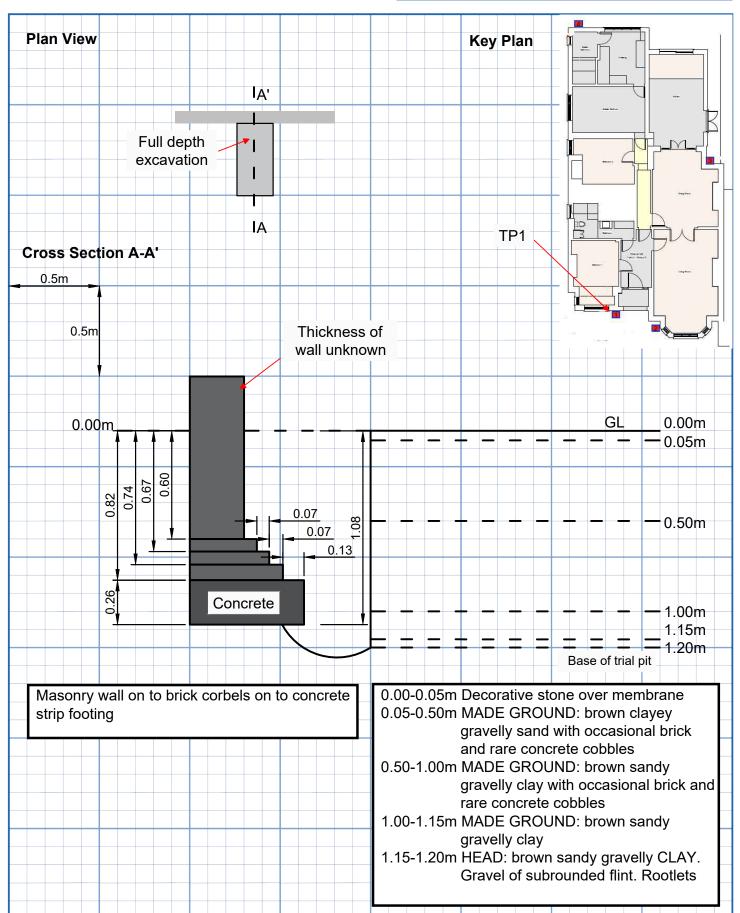
6366 190 Goldhurst Terrace, London NW6 3HN

Well	Date	Methane Peak	and the	Methane Methane Steady GSV	Carbon Dioxide Peak	Carbon Dioxide Steady	Carbon Dioxide GSV	Oxygen	Atmos.	Flow	Response Zone	Depth to Water	8	H2S	VOC
		n/n%	^/^%	ı/hr	۸/۸%	۸/۸%	ı/hr	n/n%	mbar	I/hr	m bgl	ıgq m	mdd	mdd	mdd
BH1	03.03.16	0.1	0.1	0.0000	9.0	6.0	000000		1003	0.0		29.0	0	0	
	10.03.16	0.1	0.1	0.0001	0.4	0.1	0.0004	21.7	1017	0.1		0.56	0	0	
CHO	03.03.16	0.1	0.1	0.0000	3.8	3.8	000000		1003	0.0		5.91	0	0	
2HQ	10.03.16	0.1	0.1	0.0001	3.7	3.7	0.0037	17.5	1017	0.1		5.43	0	0	



192 Goldhurst Terrace - TP1

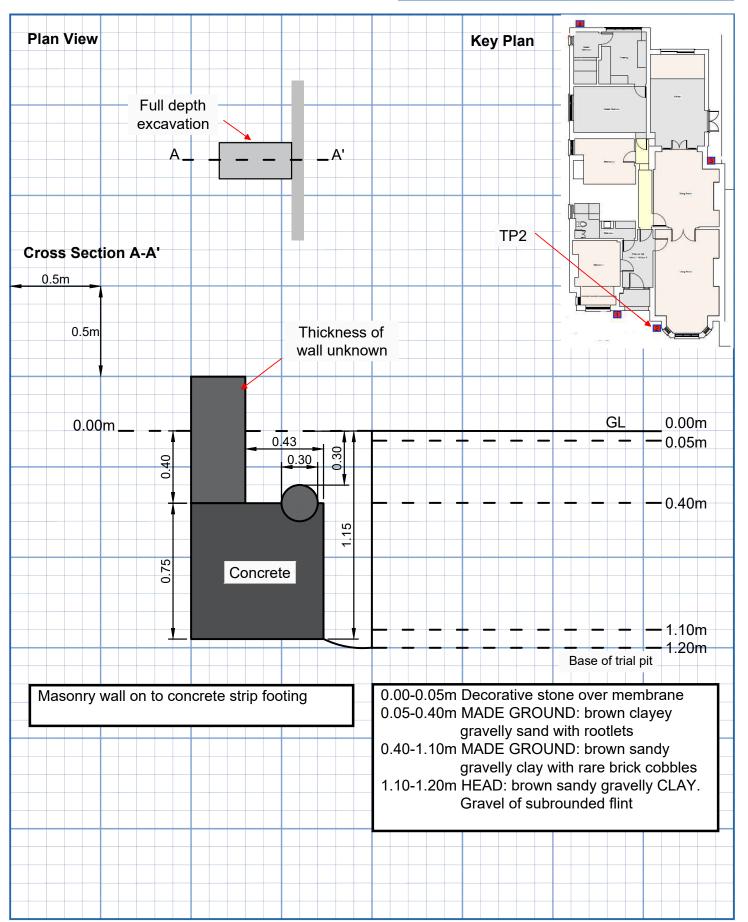
NAME PIL 20/06/2022





192 Goldhurst Terrace - TP2

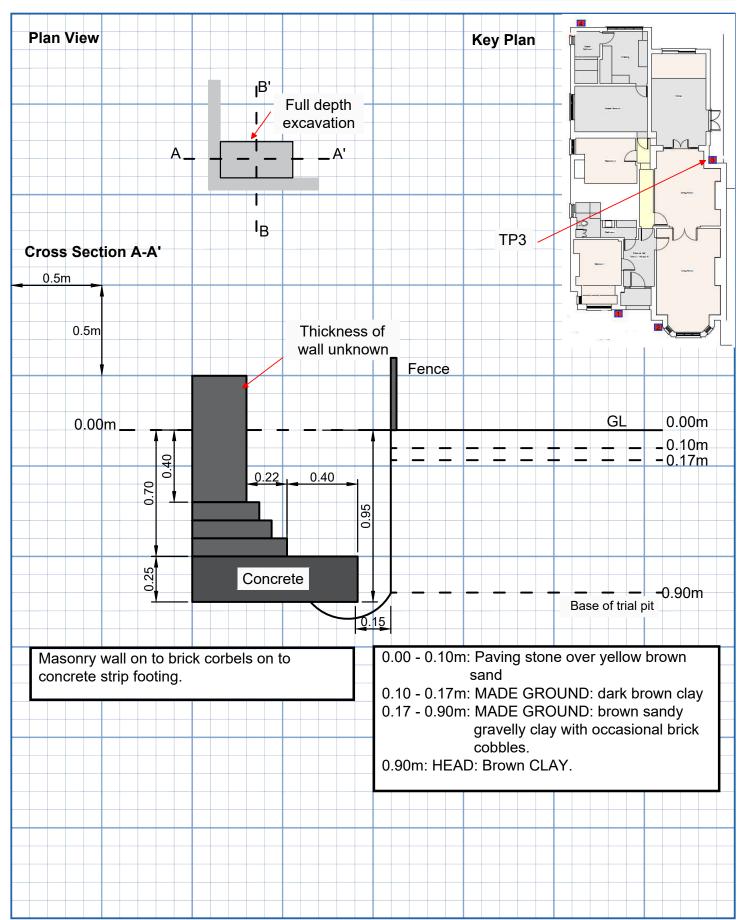
NAME PIL DATE 20/06/2022





192 Goldhurst Terrace - TP3

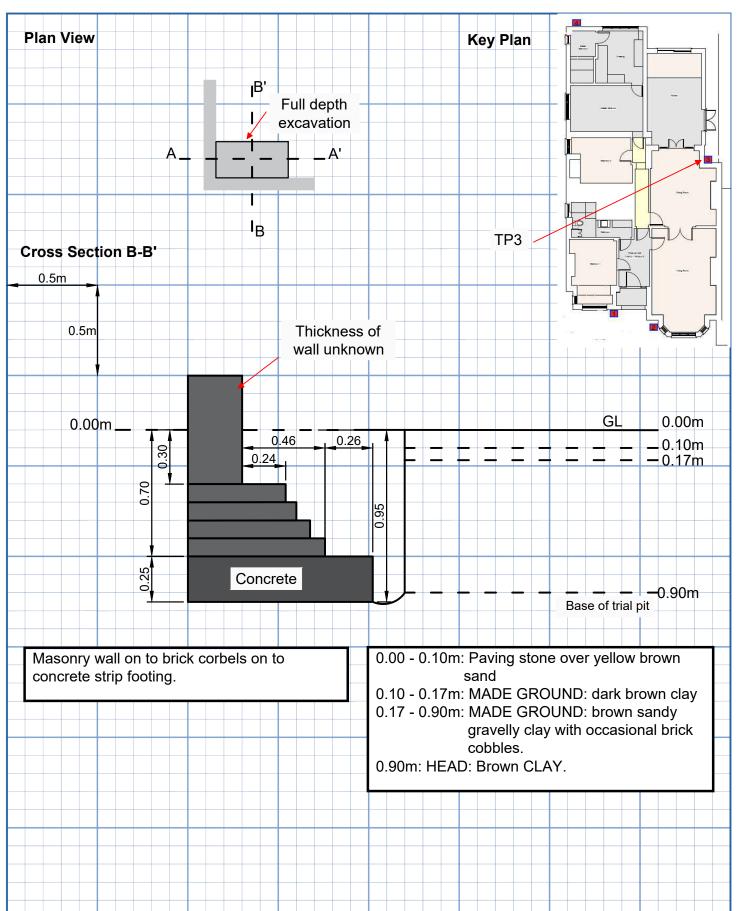
PIL DATE 20/06/2022





192 Goldhurst Terrace - TP3

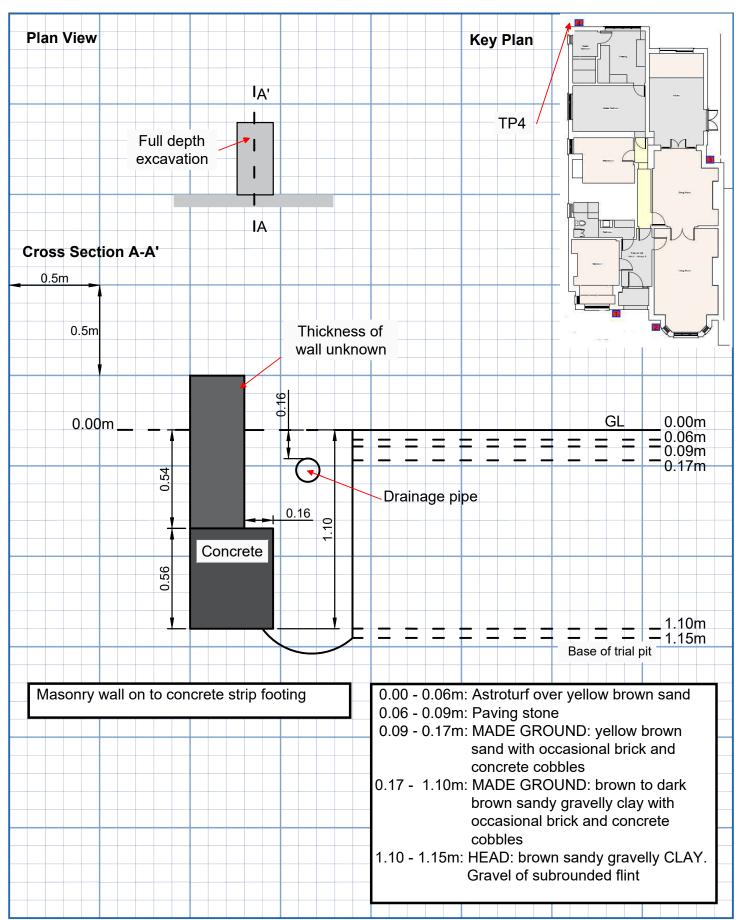
NAME PIL DATE 20/06/2022





192 Goldhurst Terrace - TP4

PIL DATE 20/06/2022







DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with:BS 1377-2:1990:Clause 4.4 and 5

i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB

Client Reference: 192GT



404

Client: Milvum Engineering Services Ltd

Client Address: 71-75 Shelton Street, London,

WC2H 9JQ

Contact: Graham Kite

Site Address: 192 Goldhurst Terrace

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Date Received: 21/06/2022 Date Tested: 06/07/2022

Job Number: 22-66623

Date Sampled: 20/06/2022

Sampled By: Client - Philip Lewis LMB

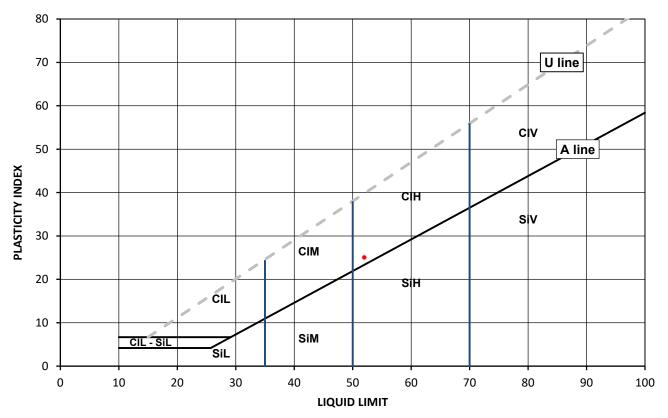
Test Results:

Laboratory Reference:2323612Depth Top [m]: 1.18Hole No.:TP1Depth Base [m]: Not GivenSample Reference:Not GivenSample Type: D

Sample Description: Brown slightly gravelly slightly sandy CLAY

Sample Preparation: Tested after washing to remove >425um

As Received Water	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
Content [W] %	[WL] %	[Wp]%	[lp]%	BS Test Sieve
20	52	27	25	73



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing - Identification and classification of soil

Plasticity Liquid Limit Clay below 35 CI Iow 35 to 50 Si Silt Μ Medium Н 50 to 70 High exceeding 70 ٧ Very high

O Organic append to classification for organic material (eg CIHO)

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Siewior Reporting Specialist

for and on behalf of i2 Analytical Ltd

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Date Reported: 13/07/2022





DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with:BS 1377-2:1990:Clause 4.4 and 5

i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB

Client Reference: 192GT

Job Number: 22-66623

Date Sampled: 20/06/2022

Date Received: 21/06/2022

Date Tested: 06/07/2022

Sampled By: Client - Philip Lewis LMB



Milvum Engineering Services Ltd Client:

Client Address: 71-75 Shelton Street, London,

WC2H 9JQ

Graham Kite Contact:

192 Goldhurst Terrace Site Address:

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

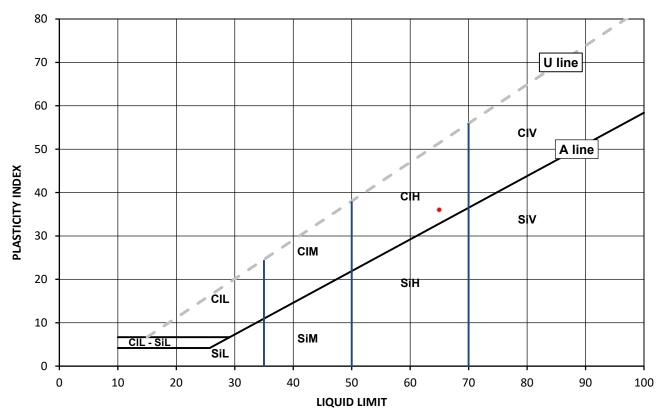
Test Results:

Laboratory Reference: 2323613 Depth Top [m]: 0.92 Hole No.: TP3 Depth Base [m]: Not Given Sample Reference: Not Given Sample Type: D

Sample Description: Brown slightly gravelly sandy CLAY

Sample Preparation: Tested after >425um removed by hand

As Received Water	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
Content [W] %	[WL] %	[Wp]%	[lp]%	BS Test Sieve
29	65	29	36	92



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing - Identification and classification of soil

Plasticity Liquid Limit Clay below 35 CI Iow 35 to 50 Si Silt Μ Medium Н 50 to 70 High exceeding 70 ٧ Very high

> 0 append to classification for organic material (eg CIHO) Organic

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed: Umika

Monika Siewior Reporting Specialist

for and on behalf of i2 Analytical Ltd

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Date Reported: 13/07/2022





DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with:BS 1377-2:1990:Clause 4.4 and 5

i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB



Milvum Engineering Services Ltd Client:

Client Address: 71-75 Shelton Street, London,

WC2H 9JQ

Graham Kite Contact:

192 Goldhurst Terrace Site Address:

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Job Number: 22-66623 Date Sampled: 20/06/2022 Date Received: 21/06/2022 Date Tested: 06/07/2022

Client Reference: 192GT

Depth Top [m]: 1.12

Sample Type: D

Depth Base [m]: Not Given

Sampled By: Client - Philip Lewis LMB

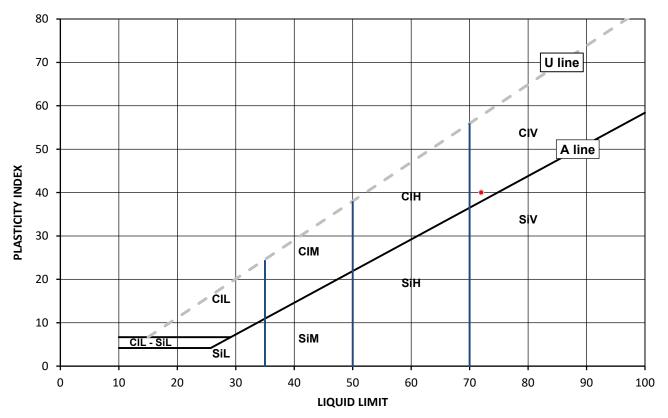
Test Results:

Laboratory Reference: 2323614 Hole No.: TP4 Sample Reference: Not Given

Sample Description: Brown slightly gravelly CLAY

Sample Preparation: Tested after washing to remove >425um

As Received Water	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425μm
Content [W] %	[WL] %	[Wp]%	[lp]%	BS Test Sieve
21	72	32	40	79



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing - Identification and classification of soil

Plasticity Liquid Limit Clay below 35 CI Iow 35 to 50 Si Silt Μ Medium Н 50 to 70 High exceeding 70 ٧ Very high

> 0 append to classification for organic material (eg CIHO) Organic

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This

report may not be reproduced other than in full without the prior written approval of the issuing

laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Remarks:

Signed: Umika

Monika Siewior Reporting Specialist

for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

Water Content by BS 1377-2:1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3 (4 Point Test), Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2:

1990: Clause 8.2

i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB



Environmental Science

Job Number: 22-66623 Date Sampled: 20/06/2022

Client Reference: 192GT

Date Received: 21/06/2022

Date Tested: 06/07/2022

Sampled By: Client - Philip Lewis LMB

Site Address: 192 Goldhurst Terrace
Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test results

Contact:

WC2H 9JQ

Graham Kite

4041 Client: Client Address:

71-75 Shelton Street, London,

Milvum Engineering Services Ltd

			2323614	2323613	2323612		Laboratory Reference	
			TP4	TP3	TP1		Hole No.	
			Not Given	Not Given	Not Given		Reference	
			1.12	0.92	1.18	3	Depth Top	Sample
			Not Given	Not Given	Not Given	3	Depth Base	le
			D	D	D		Туре	
			Brown slightly gravelly CLAY	Brown slightly gravelly sandy CLAY	Brown slightly gravelly slightly sandy CLAY		Description	
			Atterberg 1 Point	Atterberg 1 Point	Atterberg 1 Point		Remarks	
			21	29	20	%	Water Con BS 1377-2	[W]
						%	Water Con BS EN ISO 17 [W]	
			79	92	73	%	% Passing 425um	
			72	65	52	%	ML	Atterberg
			32	29	27	%	Wρ	berg
			40	36	25	%	Þ	
						Mg/m3	bulk	
						Mg/m3 Mg/m3 Mg/m3	dry	Density
						Mg/m3	PD	
						%	Total Porosity	r#

Note: # Non accredited; NP - Non plastic

Comments:

Signed:

Honika

Monika Siewior

Reporting Specialist for and on behalf of i2 Analytical Ltd

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Date Reported: 13/07/2022





Graham Kite

Milvum Engineering Services Ltd 71-75 Shelton Street London WC2H 9JQ i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404 **f:** 01923 237404

e: reception@i2analytical.com

e: gkite@milvumgroup.com

Analytical Report Number: 22-66617

Project / Site name: 192 Goldhurst Terrace Samples received on: 21/06/2022

Your job number: 192GT Samples instructed on/ 22/06/2022

Analysis started on:

Your order number: Analysis completed by: 01/07/2022

Report Issue Number: 1 **Report issued on:** 01/07/2022

Samples Analysed: 6 soil samples

Dawradio

Signed:

Joanna Wawrzeczko Reporting Specialist

For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are : soils - 4 weeks from reporting

leachates - 2 weeks from reporting waters - 2 weeks from reporting asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies.

An estimate of measurement uncertainty can be provided on request.





Analytical Report Number: 22-66617 Project / Site name: 192 Goldhurst Terrace

Lab Sample Number				2323486	2323487	2323488	2323489	2323490
Sample Reference				TP1	TP1	TP2	TP3	TP4
Sample Number				None Supplied				
Depth (m)				0.50	1.18	0.70	0.50	0.40
Date Sampled				20/06/2022	20/06/2022	20/06/2022	20/06/2022	20/06/2022
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	12	9.7	18	18
Total mass of sample received	kg	0.001	NONE	0.6	0.4	0.6	0.6	0.6

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8	7.9	7.7	8.1	7.9
Total Sulphate as SO4	%	0.005	MCERTS	0.127	0.04	0.1	0.064	0.049
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.042	0.049	0.039	0.027	0.052
water Soluble SO4 160r extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	42.4	49.1	39	26.6	51.5
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	4.1	3.7	3	1.9	4.8
Total Sulphur	%	0.005	MCERTS	0.079	0.024	0.069	0.037	0.037
Ammoniacal Nitrogen as NH4	mg/kg	0.5	MCERTS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ammonium as NH4 (10:1 leachate equivalent)	mg/l	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	< 2.0	2.5	3.7	3.6	2.6

Heavy Metals / Metalloids

Heavy Metaliolus								
Magnesium (water soluble)	mg/kg	5	NONE	6.2	6.1	7.8	< 5.0	5.9
Magnesium (leachate equivalent)	mg/l	2.5	NONE	3.1	3	3.9	< 2.5	2.9

U/S = Unsuitable Sample I/S = Insufficient Sample





Analytical Report Number: 22-66617 Project / Site name: 192 Goldhurst Terrace

Lab Sample Number				2323491
Sample Reference				TP4
Sample Number				None Supplied
Depth (m)				1.12
Date Sampled				20/06/2022
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	20
Total mass of sample received	kg	0.001	NONE	0.4

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.5
Total Sulphate as SO4	%	0.005	MCERTS	0.019
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.026
water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	25.7
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	5.2
Total Sulphur	%	0.005	MCERTS	0.013
Ammoniacal Nitrogen as NH4	mg/kg	0.5	MCERTS	< 0.5
Ammonium as NH4 (10:1 leachate equivalent)	mg/l	0.05	MCERTS	< 0.05
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	< 2.0

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	< 5.0
Magnesium (leachate equivalent)	mg/l	2.5	NONE	< 2.5

U/S = Unsuitable Sample I/S = Insufficient Sample





Analytical Report Number : 22-66617 Project / Site name: 192 Goldhurst Terrace

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2323486	TP1	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
2323487	TP1	None Supplied	1.18	Light brown clay and sand with gravel and vegetation.
2323488	TP2	None Supplied	0.7	Brown loam and clay with gravel and vegetation.
2323489	TP3	None Supplied	0.5	Brown loam and clay with gravel and vegetation.
2323490	TP4	None Supplied	0.4	Brown loam and clay with gravel and vegetation.
2323491	TP4	None Supplied	1.12	Light brown clay and sand with gravel.