



Project No.	D42153	Drawn	SJ
Client	Bloor Homes East Midlands	Checked	SS
		Approved	PK
Project	Hinckley Phase 4	Scale	NTS
		Date Drawn	30/11/2022
Title	WS2 - Recovered cores	Rev.	
		Plate No.	16





Project No.	D42153	Drawn	SJ
Client	Bloor Homes East Midlands	Checked	SS
		Approved	PK
Project	Hinckley Phase 4	Scale	NTS
		Date Drawn	30/11/2022
Title	WS3 - Recovered cores	Rev.	
		Plate No.	17





Project No.	D42153	Drawn	SJ	
Client	Bloor Homes East Midlands	Checked	SS	
		Approved	PK	
Project	Hinckley Phase 4	Scale	NTS	
		Date Drawn	30/11/2022	
		Rev.		
Title	WS4 - Recovered cores	Plate No.	18	



Project No.	D42153	Drawn	SJ	
Client	Bloor Homes East Midlands	Checked	SS	
		Approved	PK	
Project	Hinckley Phase 4	Scale	NTS	
		Date Drawn	30/11/2022	
		Rev.		
Title	WS5 - Recovered cores	Plate No.	19	

APPENDIX X

Laboratory Soil Test Results



LABORATORY REPORT



4043

Contract Number: PSL22/7552

Report Date: 01 December 2022

Client's Reference: D42153

Client Name: GeoDyne Derby
9 Brunel Parkway
Pride Park
Derby
DE24 8HR

For the attention of: Steve Sellers

Contract Title: Hinckley Phase 4

Date Received: 25/11/2022

Date Commenced: 25/11/2022

Date Completed: 01/12/2022

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins
(Director)

R Berriman
(Quality Manager)

S Royle
(Laboratory Manager)



L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)

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Page 1 of

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP1	1	B	0.70		Brown slightly sandy CLAY.
TP2	2	B	1.00		Brown slightly sandy CLAY.
TP3	3	B	1.30		Brown slightly sandy CLAY.
TP4	4	B	1.60		Brown mottled grey slightly sandy CLAY.
TP5	5	B	1.90		Brown mottled grey slightly sandy CLAY.
TP6	6	B	2.20		Brown slightly sandy CLAY.
TP7	7	B	2.50		Brown slightly sandy CLAY.
TP8	8	B	2.85		Brown sandy CLAY.
TP9	9	B	0.85		Brown slightly sandy CLAY.
TP10	10	B	1.15		Brown slightly sandy CLAY.
TP12	12	B	1.75		Brown mottled grey slightly sandy CLAY.
TP14	14	B	2.35		Brown slightly sandy CLAY.



4043

PSL

Professional Soils Laboratory

Hinckley Phase 4

Contract No:

PSL22/7552

Client Ref:

D42153

SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

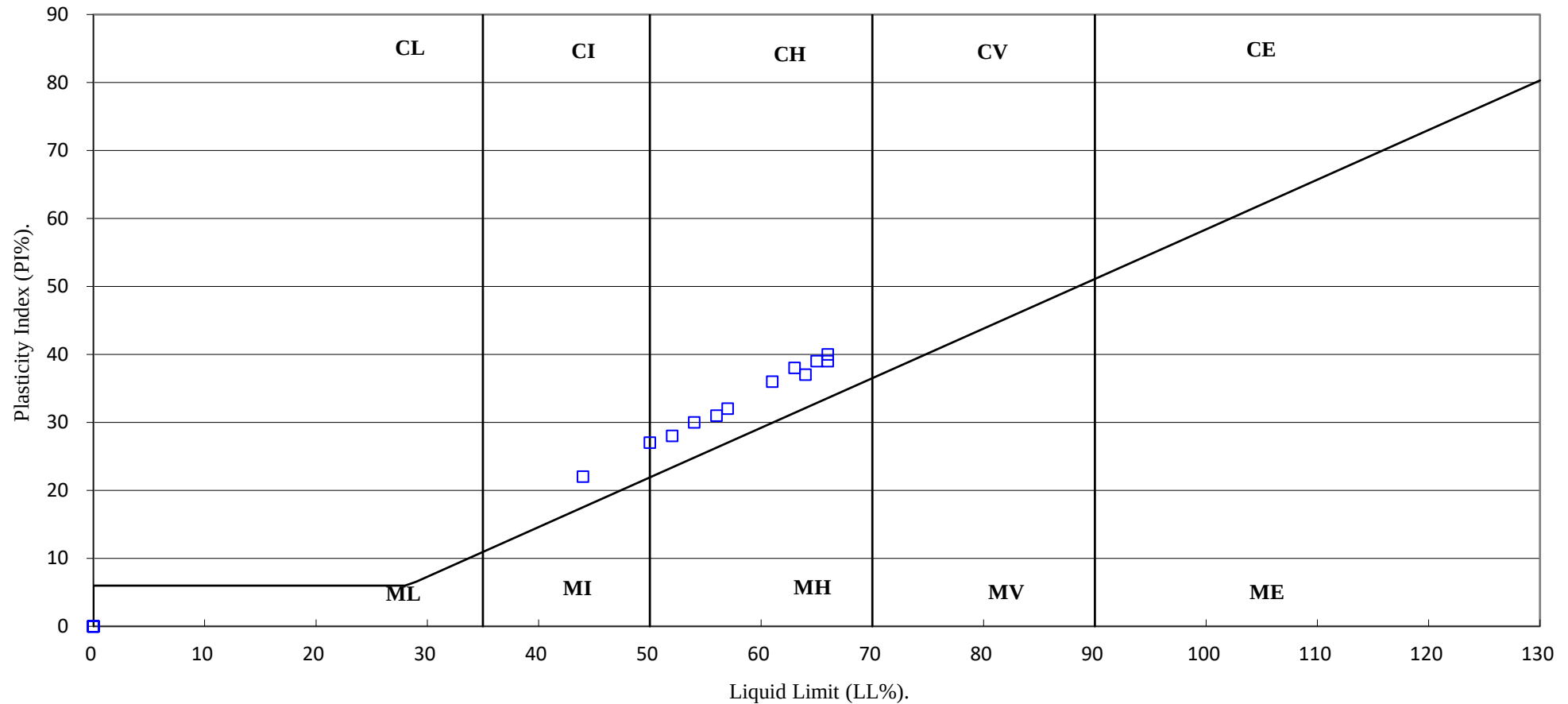
Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m ³ Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
TP1	1	B	0.70		24			54	24	30	100	High Plasticity CH
TP2	2	B	1.00		25			50	23	27	100	High Plasticity CH
TP3	3	B	1.30		26			66	27	39	100	High Plasticity CH
TP4	4	B	1.60		25			61	25	36	100	High Plasticity CH
TP5	5	B	1.90		25			65	26	39	100	High Plasticity CH
TP6	6	B	2.20		23			56	25	31	100	High Plasticity CH
TP7	7	B	2.50		25			57	25	32	100	High Plasticity CH
TP8	8	B	2.85		27			44	22	22	100	Intermediate Plasticity CI
TP9	9	B	0.85		25			63	25	38	100	High Plasticity CH
TP10	10	B	1.15		22			64	27	37	100	High Plasticity CH
TP12	12	B	1.75		27			66	26	40	100	High Plasticity CH
TP14	14	B	2.35		24			52	24	28	100	High Plasticity CH

SYMBOLS : NP : Non Plastic

* : Liquid Limit and Plastic Limit Wet Sieved.

		Hinckley Phase 4		Contract No:
				PSL22/7552
				Client Ref:
				D42153

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



4043

PSL
Professional Soils Laboratory

Hinckley Phase 4

Contract No:

PSL22/7552

Client Ref:

D42153

FINAL ANALYTICAL TEST REPORT

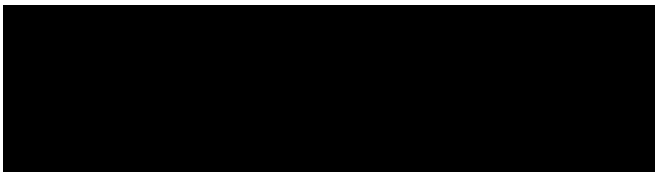
Envirolab Job Number: 22/11696
Issue Number: 1

Date: 05 December, 2022

Client: GeoDyne (Derby)
9 Brunel Parkway
Pride Park
Derby
Derbyshire
UK
DE24 8HR

Project Manager: Steve Sellers
Project Name: Hinckley Phase 4
Project Ref: D42153
Order No: D42153/SS
Date Samples Received: 28/11/22
Date Instructions Received: 28/11/22
Date Analysis Completed: 02/12/22

Approved by:



Gemma Berrisford
Client Manager

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/1	22/11696/2	22/11696/3	22/11696/4	22/11696/5	22/11696/6	22/11696/7	Units	Limit of Detection	Method ref
Client Sample No	J1	J2	J3	J4	J5	J6	J7			
Client Sample ID	TP1	TP1	TP2	TP2	TP3	TP3	TP4			
Depth to Top	0.10	0.50	0.20	0.45	0.05	1.00	0.15			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	4AE	6A	6AE	6A	4AE	6A	4AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A T 044
pH _D ^{M#}	8.19	-	-	8.85	8.20	-	-	pH	0.01	A T 031s
Sulphate (water sol 2 1) _D ^{M#}	-	0.08	-	-	-	0.08	-	g/l	0.01	A T 026s
Total Organic Carbon _D ^{M#}	1.30	-	-	0.78	0.63	-	-	% w/w	0.03	A T 032s
Arsenic _D ^{M#}	7	-	-	8	2	-	-	mg/kg	1	A T 024s
Cadmium _D ^{M#}	0.7	-	-	0.7	0.6	-	-	mg/kg	0.5	A T 024s
Copper _D ^{M#}	19	-	-	21	10	-	-	mg/kg	1	A T 024s
Chromium _D ^{M#}	30	-	-	26	23	-	-	mg/kg	1	A T 024s
Chromium (hexavalent) _D	<1	-	-	<1	<1	-	-	mg/kg	1	A T 040s
Chromium (trivalent)	30	-	-	26	23	-	-	mg/kg	1	Calc
Lead _D ^{M#}	37	-	-	10	13	-	-	mg/kg	1	A T 024s
Mercury _D	<0.17	-	-	0.43	<0.17	-	-	mg/kg	0.17	A T 024s
Nickel _D ^{M#}	21	-	-	24	14	-	-	mg/kg	1	A T 024s
Selenium _D ^{M#}	<1	-	-	<1	<1	-	-	mg/kg	1	A T 024s
Zinc _D ^{M#}	55	-	-	49	37	-	-	mg/kg	5	A T 024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Tecnazene _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Trifluralin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Hexachlorobenzene (HCB) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Simazine _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Atrazine _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
beta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Quintozene (PCNB) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Chlorothalonil _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
delta-Hexachlorocyclohexane (HCH) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Triallate _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Heptachlor _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Aldrin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Triadimefon _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Telodrin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/1	22/11696/2	22/11696/3	22/11696/4	22/11696/5	22/11696/6	22/11696/7	Units	Limit of Detection	Method ref
Client Sample No	J1	J2	J3	J4	J5	J6	J7			
Client Sample ID	TP1	TP1	TP2	TP2	TP3	TP3	TP4			
Depth to Top	0.10	0.50	0.20	0.45	0.05	1.00	0.15			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	4AE	6A	6AE	6A	4AE	6A	4AE			
Isodrin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Pendimethalin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Heptachlor epoxide _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
trans-Chlordane (Gamma) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDE (2,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan I (Alpha) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
cis-Chlordane (Alpha) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDE (4,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Dieldrin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDD (2,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endrin _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan II (Beta) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDD (4,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDT (2,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endrin Aldehyde _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endrin Ketone _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan Sulphate _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDT (4,4) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
o,p-Methoxychlor _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
p,p-Methoxychlor _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Permethrin I (cis) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Permethrin II (trans) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Dichlorvos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Mevinphos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Demeton-S _A	-	-	<0.50	-	-	-	<0.50	mg/kg	0.5	A T 056
Demeton-O _A	-	-	<0.50	-	-	-	<0.50	mg/kg	0.5	A T 056
Phorate _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Dimethoate _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Propetamphos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Diazinon (Dimpylate) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Disulfoton _A	-	-	<0.10	-	-	-	<0.10	mg/kg	0.1	A T 056
Chlorpyrifos-methyl _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Parathion (Ethyl Parathion) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Methyl Parathion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/1	22/11696/2	22/11696/3	22/11696/4	22/11696/5	22/11696/6	22/11696/7	Units	Limit of Detection	Method ref
Client Sample No	J1	J2	J3	J4	J5	J6	J7			
Client Sample ID	TP1	TP1	TP2	TP2	TP3	TP3	TP4			
Depth to Top	0.10	0.50	0.20	0.45	0.05	1.00	0.15			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	4AE	6A	6AE	6A	4AE	6A	4AE			
Pirimiphos-methyl _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Fenitrothion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Fensulphothion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Fenthion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Malathion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Chlorfenvinphos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Chlorpyrifos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Trichloronate _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Prothiofos (Tokuthion) _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Ethion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Triazophos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Carbophenothion _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Phosalone _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Azinphos-methyl _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Azinphos-ethyl _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056
Coumaphos _A	-	-	<0.01	-	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/1	22/11696/2	22/11696/3	22/11696/4	22/11696/5	22/11696/6	22/11696/7	Units	Limit of Detection	Method ref
Client Sample No	J1	J2	J3	J4	J5	J6	J7			
Client Sample ID	TP1	TP1	TP2	TP2	TP3	TP3	TP4			
Depth to Top	0.10	0.50	0.20	0.45	0.05	1.00	0.15			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	4AE	6A	6AE	6A	4AE	6A	4AE			
PAH-16MS										
Acenaphthene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Acenaphthylene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Anthracene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Benzo(a)anthracene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Benzo(a)pyrene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Benzo(b)fluoranthene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Benzo(ghi)perylene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Benzo(k)fluoranthene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Chrysene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Dibenzo(ah)anthracene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Fluoranthene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Fluorene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Indeno(123-cd)pyrene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Naphthalene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Phenanthrene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Pyrene _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s
Total PAH-16MS _A ^{M#}	<0.1	-	-	<0.1	<0.1	-	-	mg/kg	0.1	A T 019s

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/8	22/11696/10	22/11696/11	22/11696/13	22/11696/14	22/11696/16	22/11696/17	Units	Limit of Detection	Method ref
Client Sample No	J8	J10	J11	J13	J14	J16	J17			
Client Sample ID	TP4	TP5	TP6	TP7	TP7	TP8	TP9			
Depth to Top	0.55	2.00	0.20	0.25	0.55	0.45	0.10			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6A	6A	6A	4AE	6A	6A	4AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A T 044
pH _D ^{M#}	8.45	-	8.05	-	-	8.96	-	pH	0.01	A T 031s
Sulphate (water sol 2 l) _D ^{M#}	-	0.13	-	-	0.05	-	-	g/l	0.01	A T 026s
Total Organic Carbon _D ^{M#}	0.47	-	1.14	-	-	0.72	-	% w/w	0.03	A T 032s
Arsenic _D ^{M#}	5	-	6	-	-	3	-	mg/kg	1	A T 024s
Cadmium _D ^{M#}	1.0	-	0.8	-	-	0.8	-	mg/kg	0.5	A T 024s
Copper _D ^{M#}	22	-	14	-	-	22	-	mg/kg	1	A T 024s
Chromium _D ^{M#}	55	-	25	-	-	36	-	mg/kg	1	A T 024s
Chromium (hexavalent) _D	<1	-	<1	-	-	<1	-	mg/kg	1	A T 040s
Chromium (trivalent)	55	-	25	-	-	36	-	mg/kg	1	Calc
Lead _D ^{M#}	17	-	28	-	-	12	-	mg/kg	1	A T 024s
Mercury _D	<0.17	-	<0.17	-	-	0.66	-	mg/kg	0.17	A T 024s
Nickel _D ^{M#}	43	-	14	-	-	29	-	mg/kg	1	A T 024s
Selenium _D ^{M#}	<1	-	<1	-	-	<1	-	mg/kg	1	A T 024s
Zinc _D ^{M#}	66	-	46	-	-	55	-	mg/kg	5	A T 024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Tecnazene _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Trifluralin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Hexachlorobenzene (HCB) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Simazine _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Atrazine _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
beta-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Quintozene (PCNB) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Chlorothalonil _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
delta-Hexachlorocyclohexane (HCH) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Triallate _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Heptachlor _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Aldrin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Triadimefon _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Telodrin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/8	22/11696/10	22/11696/11	22/11696/13	22/11696/14	22/11696/16	22/11696/17	Units	Limit of Detection	Method ref
Client Sample No	J8	J10	J11	J13	J14	J16	J17			
Client Sample ID	TP4	TP5	TP6	TP7	TP7	TP8	TP9			
Depth to Top	0.55	2.00	0.20	0.25	0.55	0.45	0.10			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6A	6A	6A	4AE	6A	6A	4AE			
Isodrin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Pendimethalin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Heptachlor epoxide _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
trans-Chlordane (Gamma) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDE (2,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan I (Alpha) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
cis-Chlordane (Alpha) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDE (4,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Dieldrin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDD (2,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endrin _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan II (Beta) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDD (4,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
o,p-DDT (2,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endrin Aldehyde _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endrin Ketone _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Endosulphan Sulphate _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
p,p-DDT (4,4) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
o,p-Methoxychlor _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
p,p-Methoxychlor _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Permethrin I (cis) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Permethrin II (trans) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Dichlorvos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Mevinphos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Demeton-S _A	-	-	-	<0.50	-	-	<0.50	mg/kg	0.5	A T 056
Demeton-O _A	-	-	-	<0.50	-	-	<0.50	mg/kg	0.5	A T 056
Phorate _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Dimethoate _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Propetamphos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Diazinon (Dimpylate) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Disulfoton _A	-	-	-	<0.10	-	-	<0.10	mg/kg	0.1	A T 056
Chlorpyrifos-methyl _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Parathion (Ethyl Parathion) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Methyl Parathion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/8	22/11696/10	22/11696/11	22/11696/13	22/11696/14	22/11696/16	22/11696/17	Units	Limit of Detection	Method ref
Client Sample No	J8	J10	J11	J13	J14	J16	J17			
Client Sample ID	TP4	TP5	TP6	TP7	TP7	TP8	TP9			
Depth to Top	0.55	2.00	0.20	0.25	0.55	0.45	0.10			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6A	6A	6A	4AE	6A	6A	4AE			
Pirimiphos-methyl _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Fenitrothion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Fensulphothion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Fenthion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Malathion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Chlorfenvinphos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Chlorpyrifos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Trichloronate _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Prothiofos (Tokuthion) _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Ethion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Triazophos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Carbophenothion _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Phosalone _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Azinphos-methyl _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Azinphos-ethyl _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056
Coumaphos _A	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/8	22/11696/10	22/11696/11	22/11696/13	22/11696/14	22/11696/16	22/11696/17	Units	Limit of Detection	Method ref
Client Sample No	J8	J10	J11	J13	J14	J16	J17			
Client Sample ID	TP4	TP5	TP6	TP7	TP7	TP8	TP9			
Depth to Top	0.55	2.00	0.20	0.25	0.55	0.45	0.10			
Depth To Bottom										
Date Sampled	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	16-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6A	6A	6A	4AE	6A	6A	4AE			
PAH-16MS										
Acenaphthene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Acenaphthylene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Anthracene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Benzo(a)anthracene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Benzo(a)pyrene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Benzo(b)fluoranthene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Benzo(ghi)perylene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Benzo(k)fluoranthene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Chrysene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Dibenzo(ah)anthracene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Fluoranthene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Fluorene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Indeno(123-cd)pyrene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Naphthalene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Phenanthrene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Pyrene _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s
Total PAH-16MS _A ^{M#}	<0.1	-	<0.1	-	-	<0.1	-	mg/kg	0.1	A T 019s

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/18	22/11696/19	22/11696/20	22/11696/22	22/11696/23	22/11696/24	22/11696/25	Units	Limit of Detection	Method ref
Client Sample No	J18	J19	J20	J22	J23	J24	J25			
Client Sample ID	TP9	TP10	TP10	TP11	TP12	TP12	TP13			
Depth to Top	0.45	0.05	0.40	0.60	0.20	1.50	0.10			
Depth To Bottom										
Date Sampled	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6AE	4AE	6A	6A	4AE	6A	4AE			
% Stones >10mm _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A T 044
pH _D ^{M#}	8.90	7.10	-	8.87	-	-	7.18	pH	0.01	A T 031s
Sulphate (water sol 2 l) _D ^{M#}	-	-	0.09	-	-	0.26	-	g/l	0.01	A T 026s
Total Organic Carbon _D ^{M#}	0.75	1.44	-	0.81	-	-	1.55	% w/w	0.03	A T 032s
Arsenic _D ^{M#}	5	4	-	16	-	-	5	mg/kg	1	A T 024s
Cadmium _D ^{M#}	0.7	<0.5	-	1.1	-	-	0.7	mg/kg	0.5	A T 024s
Copper _D ^{M#}	23	14	-	25	-	-	19	mg/kg	1	A T 024s
Chromium _D ^{M#}	32	22	-	39	-	-	30	mg/kg	1	A T 024s
Chromium (hexavalent) _D	<1	<1	-	<1	-	-	<1	mg/kg	1	A T 040s
Chromium (trivalent)	32	22	-	39	-	-	30	mg/kg	1	Calc
Lead _D ^{M#}	12	31	-	13	-	-	50	mg/kg	1	A T 024s
Mercury _D	0.87	<0.17	-	<0.17	-	-	<0.17	mg/kg	0.17	A T 024s
Nickel _D ^{M#}	24	14	-	34	-	-	18	mg/kg	1	A T 024s
Selenium _D ^{M#}	<1	<1	-	<1	-	-	<1	mg/kg	1	A T 024s
Zinc _D ^{M#}	52	41	-	64	-	-	54	mg/kg	5	A T 024s
OCP+OPP Combined Pest Suite (incl. Atrazine and Simazine)										
Dichlobenil _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Tecnazene _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Trifluralin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
alpha-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Hexachlorobenzene (HCB) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Simazine _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Atrazine _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
beta-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Quintozene (PCNB) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Chlorothalonil _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
delta-Hexachlorocyclohexane (HCH) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Triallate _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Heptachlor _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Aldrin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Triadimefon _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Telodrin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/18	22/11696/19	22/11696/20	22/11696/22	22/11696/23	22/11696/24	22/11696/25	Units	Limit of Detection	Method ref
Client Sample No	J18	J19	J20	J22	J23	J24	J25			
Client Sample ID	TP9	TP10	TP10	TP11	TP12	TP12	TP13			
Depth to Top	0.45	0.05	0.40	0.60	0.20	1.50	0.10			
Depth To Bottom										
Date Sampled	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6AE	4AE	6A	6A	4AE	6A	4AE			
Isodrin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Pendimethalin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Heptachlor epoxide _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
trans-Chlordane (Gamma) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
o,p-DDE (2,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endosulphan I (Alpha) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
cis-Chlordane (Alpha) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
p,p-DDE (4,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Dieldrin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
o,p-DDD (2,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endrin _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endosulphan II (Beta) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
p,p-DDD (4,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
o,p-DDT (2,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endrin Aldehyde _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endrin Ketone _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Endosulphan Sulphate _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
p,p-DDT (4,4) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
o,p-Methoxychlor _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
p,p-Methoxychlor _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Permethrin I (cis) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Permethrin II (trans) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Dichlorvos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Mevinphos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Demeton-S _A	-	-	-	-	<0.50	-	-	mg/kg	0.5	A T 056
Demeton-O _A	-	-	-	-	<0.50	-	-	mg/kg	0.5	A T 056
Phorate _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Dimethoate _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Propetamphos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Diazinon (Dimpylate) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Disulfoton _A	-	-	-	-	<0.10	-	-	mg/kg	0.1	A T 056
Chlorpyrifos-methyl _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Parathion (Ethyl Parathion) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Methyl Parathion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/18	22/11696/19	22/11696/20	22/11696/22	22/11696/23	22/11696/24	22/11696/25	Units	Limit of Detection	Method ref
Client Sample No	J18	J19	J20	J22	J23	J24	J25			
Client Sample ID	TP9	TP10	TP10	TP11	TP12	TP12	TP13			
Depth to Top	0.45	0.05	0.40	0.60	0.20	1.50	0.10			
Depth To Bottom										
Date Sampled	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6AE	4AE	6A	6A	4AE	6A	4AE			
Pirimiphos-methyl _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Fenitrothion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Fensulphothion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Fenthion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Malathion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Chlorfenvinphos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Chlorpyrifos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Trichloronate _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Prothiofos (Tokuthion) _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Ethion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Triazophos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Carbophenothion _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Phosalone _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Azinphos-methyl _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Azinphos-ethyl _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056
Coumaphos _A	-	-	-	-	<0.01	-	-	mg/kg	0.01	A T 056

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/18	22/11696/19	22/11696/20	22/11696/22	22/11696/23	22/11696/24	22/11696/25	Units	Limit of Detection	Method ref
Client Sample No	J18	J19	J20	J22	J23	J24	J25			
Client Sample ID	TP9	TP10	TP10	TP11	TP12	TP12	TP13			
Depth to Top	0.45	0.05	0.40	0.60	0.20	1.50	0.10			
Depth To Bottom										
Date Sampled	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	6AE	4AE	6A	6A	4AE	6A	4AE			
PAH-16MS										
Acenaphthene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Acenaphthylene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Anthracene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Benzo(a)anthracene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Benzo(a)pyrene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Benzo(b)fluoranthene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Benzo(ghi)perylene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Benzo(k)fluoranthene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Chrysene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Dibenzo(ah)anthracene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Fluoranthene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Fluorene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Indeno(123-cd)pyrene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Naphthalene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Phenanthrene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Pyrene _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s
Total PAH-16MS _A ^{M#}	<0.1	<0.1	-	<0.1	-	-	<0.1	mg/kg	0.1	A T 019s

Envirolab Job Number: 22/11696

Client Project Name: Hinckley Phase 4

Client Project Ref: D42153

Lab Sample ID	22/11696/26	22/11696/28						Units	Limit of Detection	Method ref
Client Sample No	J26	J28								
Client Sample ID	TP13	TP14								
Depth to Top	0.50	2.50								
Depth To Bottom										
Date Sampled	17-Nov-22	17-Nov-22								
Sample Type	Soil	Soil								
Sample Matrix Code	6A	6AE								
% Stones >10mm _A	<0.1	<0.1						% w/w	0.1	A T 044
Sulphate (water sol 2 l) ₀ ^{MS}	0.03	0.03						g/l	0.01	A T 026s

REPORT NOTES

General

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample, 9 = INCINERATOR ASH.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Subscript "A" indicates analysis has dependant options against results. Testing dependant on results appear in the comments area of your sample receipt.

EPH CWG results have humics mathematically subtracted through instrument calculation

TPH results "with Cleanup" indicates results cleaned up with Silica during extraction

EPH CWG GCxGC ID from TPH CWG

Where we have identified humic substances in any ID's from TPH CWG with Clean Up please note that the concentration of these

humic substances is not included in the quantified results and are included in the ID for information.

Please contact us if you need any further information.

Envirolab Analysis Dates

Lab Sample ID	22/11696/1	22/11696/2	22/11696/3	22/11696/4	22/11696/5	22/11696/6	22/11696/7	22/11696/8	22/11696/10	22/11696/11	22/11696/13	22/11696/14
Client Sample No	J1	J2	J3	J4	J5	J6	J7	J8	J10	J11	J13	J14
Client Sample ID/Depth	TP1 0.10m	TP1 0.50m	TP2 0.20m	TP2 0.45m	TP3 0.05m	TP3 1.00m	TP4 0.15m	TP4 0.55m	TP5 2.00m	TP6 0.20m	TP7 0.25m	TP7 0.55m
Date Sampled	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22	16/11/22
A-T-019s	30/11/2022			30/11/2022	30/11/2022			30/11/2022		30/11/2022		
A-T-024s	01/12/2022			01/12/2022	01/12/2022			01/12/2022		01/12/2022		
A-T-026s		01/12/2022				01/12/2022			01/12/2022			01/12/2022
A-T-031s	01/12/2022			01/12/2022	01/12/2022			01/12/2022		01/12/2022		
A-T-032s	01/12/2022			01/12/2022	01/12/2022			01/12/2022		01/12/2022		
A-T-040s	01/12/2022			01/12/2022	01/12/2022			01/12/2022		01/12/2022		
A-T-044	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022
A-T-056			02/12/2022				02/12/2022				02/12/2022	
Calc	01/12/2022			01/12/2022	01/12/2022			01/12/2022		01/12/2022		

Lab Sample ID	22/11696/16	22/11696/17	22/11696/18	22/11696/19	22/11696/20	22/11696/22	22/11696/23	22/11696/24	22/11696/25	22/11696/26	22/11696/28
Client Sample No	J16	J17	J18	J19	J20	J22	J23	J24	J25	J26	J28
Client Sample ID/Depth	TP8 0.45m	TP9 0.10m	TP9 0.45m	TP10 0.05m	TP10 0.40m	TP11 0.60m	TP12 0.20m	TP12 1.50m	TP13 0.10m	TP13 0.50m	TP14 2.50m
Date Sampled	16/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22	17/11/22
A-T-019s	30/11/2022		30/11/2022	30/11/2022		30/11/2022			30/11/2022		
A-T-024s	01/12/2022		01/12/2022	01/12/2022		01/12/2022			01/12/2022		
A-T-026s					01/12/2022			01/12/2022		01/12/2022	01/12/2022
A-T-031s	01/12/2022		01/12/2022	01/12/2022		01/12/2022			01/12/2022		
A-T-032s	01/12/2022		01/12/2022	01/12/2022		01/12/2022			01/12/2022		
A-T-040s	01/12/2022		01/12/2022	01/12/2022		01/12/2022			01/12/2022		
A-T-044	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022	02/12/2022
A-T-056		02/12/2022					02/12/2022				
Calc	01/12/2022		01/12/2022	01/12/2022		01/12/2022			01/12/2022		

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report

APPENDIX XI

Ground Gas & Water Level Monitoring Results



Project No.	D42153
Client	Bloor Homes East Midlands
Site Location	Hinckley Phase 4
Date	28/11/2022
Weather	Foggy
Atmospheric Pressure Trend	Fall of 6mb over 24hr period prior to monitoring
Equipment	GA2000+ & Dipmeter
Operator	SS

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	09:28	996	Peak	0.0	0.2	20.8	15	120	0.0	0.68	Ground waterlogged at surface
			Steady	0.0	0.2	20.8			0.0		
WS2	09:39	996	Peak	0.0	0.1	20.9	15	120	0.0	0.82	Ground waterlogged at surface
			Steady	0.0	0.1	20.9			0.0		
WS3	09:48	996	Peak	0.0	0.3	20.8	25	120	0.0	0.51	Ground waterlogged at surface
			Steady	0.0	0.2	20.9			0.0		
WS4	09:58	996	Peak	0.0	0.0	21.0	NA	120	0.0	0.15	Ground waterlogged at surface
			Steady	0.0	0.0	21.0			0.0		
WS5	10:07	996	Peak	0.0	0.1	20.9	10	120	0.0	0.32	Ground waterlogged at surface
			Steady	0.0	0.1	20.9			0.0		
Ambient				0.0	0.0	21.0					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D42153
Client	Bloor Homes East Midlands
Site Location	Hinckley Phase 4
Date	07/12/2022
Weather	Sunny & Frosty
Atmospheric Pressure Trend	Fall of 2mb over 24hr period prior to monitoring
Equipment	GA2000+ & Dipmeter
Operator	SS

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	10:40	1010	Peak	0.0	0.3	20.8	25	120	0.0	0.74	Ground waterlogged at surface
			Steady	0.0	0.3	20.8			0.0		
WS2	10:50	1010	Peak	0.0	0.5	20.2	15	120	0.0	0.80	Ground waterlogged at surface
			Steady	0.0	0.5	20.2			0.0		
WS3	10:59	1010	Peak	0.0	1.4	19.8	25	120	0.0	0.61	Ground waterlogged at surface
			Steady	0.0	1.4	19.8			0.0		
WS4	11:08	1010	Peak	0.0	0.4	20.1	20	120	0.0	0.21	Ground waterlogged at surface
			Steady	0.0	0.4	20.1			0.0		
WS5	11:15	1010	Peak	0.0	0.3	20.0	20	120	0.0	0.42	Ground waterlogged at surface
			Steady	0.0	0.3	20.0			0.0		
Ambient				0.0	0.0	21.5					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D42153
Client	Bloor Homes East Midlands
Site Location	Hinckley Phase 4
Date	13/12/2022
Weather	Overcast & Frosty
Atmospheric Pressure Trend	Steady over 24hr period prior to monitoring
Equipment	GA2000+ & Dipmeter
Operator	SS

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	11:05	997	Peak	0.0	1.0	20.8	25	120	0.0	0.75	Ground waterlogged at surface
			Steady	0.0	1.0	20.8			0.0		
WS2	11:16	997	Peak	0.0	0.4	21.1	25	120	0.0	0.81	Ground waterlogged at surface
			Steady	0.0	0.4	21.1			0.0		
WS3	11:26	997	Peak	0.0	0.6	20.1	15	120	0.0	0.55	Ground waterlogged at surface
			Steady	0.0	0.6	20.1			0.0		
WS4	11:37	997	Peak	0.0	0.8	20.2	20	120	0.0	0.27	Ground waterlogged at surface
			Steady	0.0	0.8	20.2			0.0		
WS5	11:45	997	Peak	0.0	1.3	20.0	25	120	0.0	0.51	Ground waterlogged at surface
			Steady	0.0	1.3	20.0			0.0		
Ambient				0.0	0.0	21.6					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded



Project No.	D42153
Client	Bloor Homes East Midlands
Site Location	Hinckley Phase 4
Date	20/12/2022
Weather	Sunny
Atmospheric Pressure Trend	Rise of 6mb over 24hr period prior to monitoring
Equipment	GA2000+ & Dipmeter
Operator	SS

MONITORING OF SOIL GASES AND GROUNDWATER - IN ACCORDANCE WITH CIRIA C665 / BS8485:2015											
Borehole No.	Time (00:00)	Ambient Pressure (mb)		Methane (% v/v)	Carbon Dioxide (% v/v)	Oxygen (% v/v)	Time to steady gas readings (secs)	Duration of gas monitoring (secs)	Gas Flow (l/hr)	Depth to groundwater (m begl)	Other Issues i.e. odour, condition of installation, etc
WS1	14:30	993	Peak	0.0	0.7	20.5	20	120	0.0	0.69	Ground waterlogged at surface
			Steady	0.0	0.7	20.5			0.0		
WS2	14:41	993	Peak	0.0	0.4	20.3	25	120	0.0	0.72	Ground waterlogged at surface
			Steady	0.0	0.4	20.3			0.0		
WS3	14:52	993	Peak	0.0	1.3	19.8	15	120	0.0	0.52	Ground waterlogged at surface
			Steady	0.0	1.3	19.8			0.0		
WS4	15:01	993	Peak	0.0	0.9	20.0	25	120	0.0	0.25	Ground waterlogged at surface
			Steady	0.0	0.9	20.0			0.0		
WS5	15:10	993	Peak	0.0	1.2	19.9	25	120	0.0	0.47	Ground waterlogged at surface
			Steady	0.0	1.2	19.9			0.0		
Ambient				0.0	0.0	21.3					

Notes

Cell is highlighted in the following conditions

1. Where Methane exceeds 1% v/v (after BR212)
2. Where Carbon Dioxide exceeds 5% v/v (after BR212)

Where cell is highlighted further consideration of the recorded value is required in accordance with the specified guidance documents

NA - Not Applicable/ Not Available

BOH - Bottom of Hole

ND - Not Determined

NGW - No groundwater encountered

NR - None Recorded

APPENDIX XII

Conditions & Limitations

Conditions & Limitations

Phase I Desk Studies

1. Works undertaken to provide the basis of the Phase I Desk Study report comprise a review of information available from a number of sources/parties (potentially also including the Client) together with a walk over of the site (where applicable and included within the quotation). The opinions given in the Phase I Desk Study are based on the information available from third parties/sources that has been obtained within the available timeframe. GeoDyne Limited assumes all third party information to be true and correct and therefore cannot accept liability for the accuracy of such information supplied.
2. Should additional information become available that may affect the comments and opinions made within the Phase I Desk Study, GeoDyne Limited reserves the right to review such information and make modifications to comments/opinions as appropriate.
3. It should be borne in mind that a Phase I Desk Study collates available information to generate a conceptual model of the site. The actual geotechnical and environmental considerations can only be fully quantified by intrusive investigation works to confirm the accuracy of the conceptual site model.

Phase II Intrusive Investigations

1. Our quotation assumes that access to the site will be arranged by others at no cost to ourselves.
2. We have assumed that free access is available throughout to the entire site and that works can be undertaken during a single mobilisation. Where restricted access is encountered, or where additional unscheduled mobilisations are required, additional costs may be incurred to the client.
3. We have assumed that all available information relating to buried services will be supplied by the Client at no cost to ourselves. No responsibility will be accepted for damage to underground services that have not been brought to our prior attention by the Client.
4. All excavations/boreholes will be backfilled with compacted arisings upon completion, with any excess arisings left proud of ground levels. Excess arisings will not be removed from the site unless specifically requested by the Client. Where we are requested to remove excess arisings, all associated costs will be passed to the Client.
5. We will attempt to leave the site in a clean and tidy state, however, it must be understood that some disturbance of the site is unavoidable during intrusive works.
6. Exploratory holes are positioned approximately on site by GeoDyne Limited. Should the client require precise locations of all exploratory points, additional fees will be incurred. It must be borne in mind that backfilled trial pits can create 'soft spots', therefore, should the Client wish to designate 'no dig' zones, for example under the footprint of proposed structures, these must be brought to our attention prior to commencement of works.
7. Groundwater observations relate to conditions encountered at the time of investigation. It must be understood that groundwater levels may vary as a result of recent climatic conditions or seasonal variation.
8. Trial pits and boreholes examine only a small proportion of the total site area. No liability can be accepted for conditions not revealed in exploratory holes, particularly between positions. All extrapolations of available data are given in good faith.

Payment

1. Payment terms are strictly 28 days from the invoice date.
2. Prior to commencement of works, we require receipt of formal written instruction from the party accepting full financial responsibility for the work. In the absence of such an instruction, we would expect the instructing Consulting Engineers/Architects to accept full financial responsibility for the works.
3. Receipt of instruction to commence work shall be taken as acceptance and compliance of the foregoing conditions.

Liability

1. GeoDyne Limited offer £5,000,000.00 Professional Indemnity Insurance (in aggregate over the year). This shall be the limit of our liability for works undertaken. No individual liability shall be implied to, or accepted by, any employee for works undertaken for and on the behalf of GeoDyne Limited.