



Final Report

Report No.: 23-05373-1
Initial Date of Issue: 22-Feb-2023
Client Eastwood & Partners
Client Address: St. Andrews House
23 Kingfield Road
Sheffield
South Yorkshire
S11 9AS
Contact(s): Melanie Ebling
Ruth Noble
Project 41623 Parcel 15 - Finchampstead,
Hogwood Farm

Quotation No.:	Date Received:	16-Feb-2023
Order No.:	Date Instructed:	16-Feb-2023
No. of Samples: 83		
Turnaround (Wkdays): 5	Results Due:	22-Feb-2023
Date Approved: 22-Feb-2023		
Approved By:		

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591687	1591688	1591689	1591690	1591691	1591692	1591693	1591694	1591695
	Sample Location:				D01	D02	D03	D04	D05	D06	D07	D08	D09
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.6	0.8	0.6	0.6	0.6	0.6	0.65	0.6
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	14	14	19	15	14	15	14	16	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Clay	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.14
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	< 0.10	0.10
Phenanthrene	M	2800	mg/kg	0.10	0.20	< 0.10	< 0.10	< 0.10	0.17	0.20	0.14	0.12	0.16
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591696	1591697	1591698	1591699	1591700	1591701	1591702	1591703	1591704
	Sample Location:				D10	D11	D12	D13	D14	D15	D16	D17	D18
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.8	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.8
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	17	16	14	17	17	16	12	16	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones and Roots	Stones	Stones and Roots	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	0.13	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.33	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25	0.27	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.24	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40	0.21	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.48	1.4	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	1.9	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.60	1.3	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	5.6	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591705	1591706	1591707	1591708	1591709	1591710	1591711	1591712	1591713
	Sample Location:				D19	D20	D21	D22	D23	D24	D25	D26	D27
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.6	0.6	0.6	0.1	0.15	0.15	0.15	0.15	0.15
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	15	13	15	24	20	17	17	9.6	23
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.23	0.21	0.24	0.17	0.21
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.11	0.11	0.14
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591714	1591715	1591716	1591717	1591718	1591719	1591720	1591721	1591722
	Sample Location:				D28	D29	D30	D31	D32	D33	D34	D35	D36
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	22	21	18	19	19	23	21	21	23
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones	Roots and Stones	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.21	0.23	0.28	0.29	0.22	0.24	0.23	< 0.10	0.31
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Fluorene	M	2800	mg/kg	0.10	0.11	0.10	0.11	< 0.10	< 0.10	0.14	< 0.10	< 0.10	0.19
Phenanthrene	M	2800	mg/kg	0.10	0.16	0.15	0.11	< 0.10	0.13	0.19	0.17	< 0.10	0.43
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.17
Pyrene	M	2800	mg/kg	0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.26
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.26
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.46
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.5

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591723	1591724	1591725	1591726	1591727	1591728	1591729	1591730	1591731
	Sample Location:				D37	D38	D39	D40	D41	D42	D43	D44	D45
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	21	21	22	17	16	14	15	11	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.22	0.30	0.21	< 0.10	0.19	< 0.10	0.32	0.31	0.31
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	0.22	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	0.43	< 0.10	< 0.10	< 0.10	< 0.10	0.27	0.30	0.35
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.66	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.93	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.92	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.0	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.1	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	21	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591732	1591733	1591734	1591735	1591736	1591737	1591738	1591739	1591740
	Sample Location:				D46	D47	D48	D49	D50	D51	D52	D53	D54
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.6	0.6	0.8	0.8	0.8	0.7	0.6	0.55	0.6
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	14	14	14	22	19	16	13	9.7	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Roots and Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.19	0.27	0.18	0.25	< 0.10	0.20	0.14	0.17	0.21
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.18	0.21	< 0.10	< 0.10	< 0.10	< 0.10	0.21	0.30	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591741	1591742	1591743	1591744	1591745	1591746	1591747	1591748	1591749
	Sample Location:				D55	D56	D57	D58	D59	D60	D61	D62	D63
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.65	0.55	0.45	0.6	0.6	0.5	0.6	0.5	0.5
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	17	13	13	17	19	16	17	14	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones and Roots	Stones and Roots	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.20	< 0.10	0.22	0.12	0.31	0.20	0.22	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.16	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591750	1591751	1591752	1591753	1591754	1591755	1591756	1591757	1591758
	Sample Location:				D64	D65	D66	D67	D68	D69	D70	D71	D72
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020									
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	0.22	0.11	< 0.10	< 0.10	0.13	< 0.10	< 0.10	< 0.10	< 0.10
Naphthalene	M	2800	mg/kg	0.10									
Acenaphthylene	N	2800	mg/kg	0.10									
Acenaphthene	M	2800	mg/kg	0.10									
Fluorene	M	2800	mg/kg	0.10									
Phenanthrene	M	2800	mg/kg	0.10									
Anthracene	M	2800	mg/kg	0.10									
Fluoranthene	M	2800	mg/kg	0.10									
Pyrene	M	2800	mg/kg	0.10									
Benzo[a]anthracene	M	2800	mg/kg	0.10									
Chrysene	M	2800	mg/kg	0.10									
Benzo[b]fluoranthene	M	2800	mg/kg	0.10									
Benzo[k]fluoranthene	M	2800	mg/kg	0.10									
Benzo[a]pyrene	M	2800	mg/kg	0.10									
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10									
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10									
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10									
Total Of 16 PAH's	N	2800	mg/kg	2.0									

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591759	1591760	1591761	1591762	1591763	1591764	1591765	1591766	1591767
	Sample Location:				D73	D74	D75	D76	D77	D78	D79	D80	D81
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.15
	Date Sampled:				13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020									
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Roots and Stones	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthalene	M	2800	mg/kg	0.10									
Acenaphthylene	N	2800	mg/kg	0.10									
Acenaphthene	M	2800	mg/kg	0.10									
Fluorene	M	2800	mg/kg	0.10									
Phenanthrene	M	2800	mg/kg	0.10									
Anthracene	M	2800	mg/kg	0.10									
Fluoranthene	M	2800	mg/kg	0.10									
Pyrene	M	2800	mg/kg	0.10									
Benzo[a]anthracene	M	2800	mg/kg	0.10									
Chrysene	M	2800	mg/kg	0.10									
Benzo[b]fluoranthene	M	2800	mg/kg	0.10									
Benzo[k]fluoranthene	M	2800	mg/kg	0.10									
Benzo[a]pyrene	M	2800	mg/kg	0.10									
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10									
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10									
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10									
Total Of 16 PAH's	N	2800	mg/kg	2.0									

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-05373	23-05373
Quotation No.:	Chemtest Sample ID.:				1591768	1591769
	Sample Location:				D82	D83
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.15	0.1
	Date Sampled:				13-Feb-2023	13-Feb-2023
Determinand	Accred.	SOP	Units	LOD		
Moisture	N	2030	%	0.020		
Soil Colour	N	2040		N/A	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	< 0.10	0.18
Naphthalene	M	2800	mg/kg	0.10		
Acenaphthylene	N	2800	mg/kg	0.10		
Acenaphthene	M	2800	mg/kg	0.10		
Fluorene	M	2800	mg/kg	0.10		
Phenanthrene	M	2800	mg/kg	0.10		
Anthracene	M	2800	mg/kg	0.10		
Fluoranthene	M	2800	mg/kg	0.10		
Pyrene	M	2800	mg/kg	0.10		
Benzo[a]anthracene	M	2800	mg/kg	0.10		
Chrysene	M	2800	mg/kg	0.10		
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		
Benzo[a]pyrene	M	2800	mg/kg	0.10		
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10		
Total Of 16 PAH's	N	2800	mg/kg	2.0		

Test Methods

SOP	Title	Parameters included	Method summary
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

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"
SOP	Standard operating procedure
LOD	Limit of detection

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, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated 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
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.com



Amended Report

Report No.:	23-12734-2		
Initial Date of Issue:	25-Apr-2023	Date of Re-Issue:	09-May-2023
Re-Issue Details:	This report has been revised and directly supersedes 23-12734-1 in its entirety		
Client	Eastwood & Partners		
Client Address:	St. Andrews House 23 Kingfield Road Sheffield South Yorkshire S11 9AS		
Contact(s):	Melanie Ebling Ruth Noble		
Project	41623 Parcel 15 - Finchampstead, Hogwood Farm		
Quotation No.:		Date Received:	19-Apr-2023
Order No.:		Date Instructed:	03-May-2023
No. of Samples:	24		
Turnaround (Wkdays):	5	Results Due:	10-May-2023
Date Approved:	09-May-2023		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625355	1625356	1625357	1625358	1625359	1625360	1625361	1625362	1625363
	Sample Location:				D113	D114	D115	TP601	TP601	TP602	TP602	TP603	TP603
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.45	0.60	0.45	0.25	0.50	0.30	0.50	0.20	0.45
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:							DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A				-	-	-	-	-	-
Asbestos Identification	U	2192		N/A				No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	15	14	13	13	21	12	14	19	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	30% Stones	Stones	Stones	Stones	45% Stones	Stones	30% Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Clay	Clay	Clay	Clay	Sand	Clay
pH	M	2010		4.0				8.3	5.2	8.6	7.9	8.3	7.1
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010				0.15	< 0.010	0.096	0.014	0.23	0.085
Total Sulphur	M	2175	%	0.010				0.29	< 0.010	0.17	< 0.010	0.13	0.012
Sulphate (Acid Soluble)	U	2430	%	0.010				0.092	0.014	0.12	< 0.010	0.25	0.030
Arsenic	M	2455	mg/kg	0.5				11	12	7.6	4.8	11	4.0
Cadmium	M	2455	mg/kg	0.10				0.12	< 0.10	0.44	< 0.10	0.69	< 0.10
Chromium	M	2455	mg/kg	0.5				21	18	12	12	18	10
Copper	M	2455	mg/kg	0.50				12	8.7	8.9	3.5	10	4.2
Mercury	M	2455	mg/kg	0.05				0.06	< 0.05	< 0.05	< 0.05	0.50	0.06
Nickel	M	2455	mg/kg	0.50				11	10	8.7	4.7	12	4.0
Lead	M	2455	mg/kg	0.50				49	7.3	38	8.3	41	14
Selenium	M	2455	mg/kg	0.25				0.39	0.37	0.45	0.34	0.40	0.26
Zinc	M	2455	mg/kg	0.50				61	23	70	17	67	19
Chromium (Hexavalent)	N	2490	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10						
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10						
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10						
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10						
Phenanthrene	M	2700	mg/kg	0.10	1.6	< 0.10	< 0.10						
Anthracene	M	2700	mg/kg	0.10	0.47	< 0.10	< 0.10						
Fluoranthene	M	2700	mg/kg	0.10	3.4	0.47	< 0.10						
Pyrene	M	2700	mg/kg	0.10	2.9	0.48	< 0.10						
Benzo[a]anthracene	M	2700	mg/kg	0.10	1.3	0.28	< 0.10						
Chrysene	M	2700	mg/kg	0.10	3.0	0.63	< 0.10						
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	1.7	< 0.10	< 0.10						
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.96	< 0.10	< 0.10						
Benzo[a]pyrene	M	2700	mg/kg	0.10	1.1	< 0.10	< 0.10						
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	0.84	< 0.10	< 0.10						
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	0.52	< 0.10	< 0.10						
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	0.86	< 0.10	< 0.10						
Total Of 16 PAH's	M	2700	mg/kg	2.0	19	< 2.0	< 2.0						

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625355	1625356	1625357	1625358	1625359	1625360	1625361	1625362	1625363
	Sample Location:				D113	D114	D115	TP601	TP601	TP602	TP602	TP603	TP603
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.45	0.60	0.45	0.25	0.50	0.30	0.50	0.20	0.45
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:							DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD									
Naphthalene	M	2800	mg/kg	0.10				< 0.10	< 0.10	0.38	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10				0.15	< 0.10	0.79	< 0.10	0.19	< 0.10
Acenaphthene	M	2800	mg/kg	0.10				0.11	< 0.10	4.4	< 0.10	0.19	< 0.10
Fluorene	M	2800	mg/kg	0.10				0.11	< 0.10	5.0	< 0.10	0.18	< 0.10
Phenanthrene	M	2800	mg/kg	0.10				0.68	0.16	47	0.25	2.1	0.29
Anthracene	M	2800	mg/kg	0.10				0.31	< 0.10	11	< 0.10	0.68	0.10
Fluoranthene	M	2800	mg/kg	0.10				2.3	0.24	100	0.49	4.9	0.55
Pyrene	M	2800	mg/kg	0.10				2.2	0.17	67	0.38	4.1	0.49
Benzo[a]anthracene	M	2800	mg/kg	0.10				1.6	0.13	32	0.22	2.4	0.32
Chrysene	M	2800	mg/kg	0.10				1.4	0.13	33	0.25	2.1	0.28
Benzo[b]fluoranthene	M	2800	mg/kg	0.10				3.4	< 0.10	43	0.31	3.9	0.33
Benzo[k]fluoranthene	M	2800	mg/kg	0.10				1.1	< 0.10	13	< 0.10	1.2	0.15
Benzo[a]pyrene	M	2800	mg/kg	0.10				2.5	< 0.10	29	0.19	2.8	0.25
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10				2.5	< 0.10	25	0.20	2.3	0.26
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10				0.51	< 0.10	4.0	< 0.10	0.49	0.14
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10				2.5	< 0.10	20	0.17	2.3	0.26
Total Of 16 PAH's	N	2800	mg/kg	2.0				21	< 2.0	430	2.5	30	3.4

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625364	1625365	1625366	1625367	1625368	1625369	1625370	1625371	1625372
	Sample Location:				TP604	TP604	TP604	D101	D102	D103	D104	D105	D106
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.10	0.25	0.80	0.50	0.45	0.50	0.60		0.50
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:				DURHAM	DURHAM	DURHAM						
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-						
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected						
Moisture	N	2030	%	0.020	8.6	14	19	13	17	15	16	16	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	50% Stones	45% Stones	Stones	None	None	None	None	None	None
Soil Texture	N	2040		N/A	Sand	Sand	Clay	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0	8.7	8.8	7.8						
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	0.30	0.45	0.026						
Total Sulphur	M	2175	%	0.010	0.43	0.11	< 0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010	0.11	0.15	< 0.010						
Arsenic	M	2455	mg/kg	0.5	7.7	4.2	9.1						
Cadmium	M	2455	mg/kg	0.10	0.22	< 0.10	< 0.10						
Chromium	M	2455	mg/kg	0.5	11	8.5	21						
Copper	M	2455	mg/kg	0.50	18	4.8	7.8						
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	< 0.05						
Nickel	M	2455	mg/kg	0.50	9.7	5.7	9.5						
Lead	M	2455	mg/kg	0.50	25	33	8.8						
Selenium	M	2455	mg/kg	0.25	0.29	< 0.25	0.39						
Zinc	M	2455	mg/kg	0.50	58	41	24						
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50						
Naphthalene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10				< 0.10	< 0.10	0.35	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10				< 0.10	< 0.10	0.42	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10				< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0				< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625364	1625365	1625366	1625367	1625368	1625369	1625370	1625371	1625372
	Sample Location:				TP604	TP604	TP604	D101	D102	D103	D104	D105	D106
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.10	0.25	0.80	0.50	0.45	0.50	0.60		0.50
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:				DURHAM	DURHAM	DURHAM						
Determinand	Accred.	SOP	Units	LOD									
Naphthalene	M	2800	mg/kg	0.10	0.45	< 0.10	< 0.10						
Acenaphthylene	N	2800	mg/kg	0.10	1.2	< 0.10	< 0.10						
Acenaphthene	M	2800	mg/kg	0.10	10	< 0.10	< 0.10						
Fluorene	M	2800	mg/kg	0.10	12	< 0.10	< 0.10						
Phenanthrene	M	2800	mg/kg	0.10	110	6.7	1.3						
Anthracene	M	2800	mg/kg	0.10	23	1.9	< 0.10						
Fluoranthene	M	2800	mg/kg	0.10	160	12	3.1						
Pyrene	M	2800	mg/kg	0.10	110	9.7	2.8						
Benzo[a]anthracene	M	2800	mg/kg	0.10	57	5.9	3.0						
Chrysene	M	2800	mg/kg	0.10	58	4.6	2.0						
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	75	8.4	3.7						
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	27	3.1	2.3						
Benzo[a]pyrene	M	2800	mg/kg	0.10	54	7.3	3.4						
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	46	5.2	3.6						
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	6.3	1.2	1.9						
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	37	4.1	2.8						
Total Of 16 PAH's	N	2800	mg/kg	2.0	790	70	30						

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625373	1625374	1625375	1625376	1625377	1625378
	Sample Location:				D107	D108	D109	D110	D111	D112
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.50	0.45	0.50	0.60	0.40	0.40
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:									
Determinand	Accred.	SOP	Units	LOD						
ACM Type	U	2192		N/A						
Asbestos Identification	U	2192		N/A						
Moisture	N	2030	%	0.020	18	18	14	12	15	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	None	None	None	None	None	None
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0						
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010						
Total Sulphur	M	2175	%	0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010						
Arsenic	M	2455	mg/kg	0.5						
Cadmium	M	2455	mg/kg	0.10						
Chromium	M	2455	mg/kg	0.5						
Copper	M	2455	mg/kg	0.50						
Mercury	M	2455	mg/kg	0.05						
Nickel	M	2455	mg/kg	0.50						
Lead	M	2455	mg/kg	0.50						
Selenium	M	2455	mg/kg	0.25						
Zinc	M	2455	mg/kg	0.50						
Chromium (Hexavalent)	N	2490	mg/kg	0.50						
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:	Chemtest Sample ID.:				1625373	1625374	1625375	1625376	1625377	1625378
	Sample Location:				D107	D108	D109	D110	D111	D112
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.50	0.45	0.50	0.60	0.40	0.40
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
	Asbestos Lab:									
Determinand	Accred.	SOP	Units	LOD						
Naphthalene	M	2800	mg/kg	0.10						
Acenaphthylene	N	2800	mg/kg	0.10						
Acenaphthene	M	2800	mg/kg	0.10						
Fluorene	M	2800	mg/kg	0.10						
Phenanthrene	M	2800	mg/kg	0.10						
Anthracene	M	2800	mg/kg	0.10						
Fluoranthene	M	2800	mg/kg	0.10						
Pyrene	M	2800	mg/kg	0.10						
Benzo[a]anthracene	M	2800	mg/kg	0.10						
Chrysene	M	2800	mg/kg	0.10						
Benzo[b]fluoranthene	M	2800	mg/kg	0.10						
Benzo[k]fluoranthene	M	2800	mg/kg	0.10						
Benzo[a]pyrene	M	2800	mg/kg	0.10						
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10						
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10						
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10						
Total Of 16 PAH's	N	2800	mg/kg	2.0						

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

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"
SOP	Standard operating procedure
LOD	Limit of detection

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, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated 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
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.com



2183

Final Report

Report No.: 23-15547-1

Initial Date of Issue: 17-May-2023

Re-Issue Details:

Client Eastwood & Partners

Client Address: St. Andrews House
23 Kingfield Road
Sheffield
South Yorkshire
S11 9AS

Contact(s): Melanie Ebling
Ruth Noble

Project 41623 Parcel 15 - Finchampstead,
Hogwood Farm

Quotation No.: **Date Received:** 11-May-2023

Order No.: **Date Instructed:** 11-May-2023

No. of Samples: 4

Turnaround (Wkdays): 5 **Results Due:** 17-May-2023

Date Approved: 17-May-2023

Approved By:



Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners	Chemtest Job No.:				23-15547	23-15547	23-15547	23-15547
Quotation No.:	Chemtest Sample ID.:				1637296	1637297	1637298	1637299
Order No.:	Client Sample Ref.:				Sub sample 1	Sub sample 2	Sub sample 3	Sub sample 4
	Client Sample ID.:				Retest sample 1625355	Retest sample 1625355	Retest sample 1625355	Retest sample 1625355
	Sample Location:				D113	D113	D113	D113
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
Determinand	Accred.	SOP	Units	LOD				
Moisture	N	2030	%	0.020	18	18	18	18
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.19	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.16	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.25	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.18	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.30	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0

Test Methods

SOP	Title	Parameters included	Method summary
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

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"
SOP	Standard operating procedure
LOD	Limit of detection

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, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated 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
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 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.com



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Analytical Report Number : 23-64744

Project / Site name:	Finchwood Park	Samples received on:	25/10/2023
Your job number:	41623	Samples instructed on/ Analysis started on:	25/10/2023
Your order number:	41623	Analysis completed by:	01/11/2023
Report Issue Number:	1	Report issued on:	01/11/2023
Samples Analysed:	26 soil samples		

Signed: _____

Joanna Szwagrak
Junior 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

Excel copies of reports are only valid when accompanied by this PDF certificate.

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: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	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	12	11	11	15	17
Total mass of sample received	kg	0.001	NONE	0.3	0.3	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	8	7.8
Total Sulphate as SO4	%	0.005	MCERTS	-	-	-	-	0.014
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	0.0194
Total Sulphur	%	0.005	MCERTS	-	-	-	-	0.009

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	7	13
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	21	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	11	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	26	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	9.2	35
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	38	49

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number	2856889	2856890	2856891	2856892	2856893
Sample Reference	TP703	TP704	TP705	TP715	TP715
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

Pesticides

Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
 Project / Site name: Finchwood Park
 Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	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	15	17	19	17	20
Total mass of sample received	kg	0.001	NONE	0.3	0.3	0.3	0.2	0.3

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.4	7.8	8.2	7.3	7.6
Total Sulphate as SO4	%	0.005	MCERTS	-	0.009	-	0.011	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0216	-	0.0358	-
Total Sulphur	%	0.005	MCERTS	-	0.008	-	0.007	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.15	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.13	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.11	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.07	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.2	12	10	10	9.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.4	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	40	36	38	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.8	15	63	13	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	18	12	26	10	14
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.5	31	17	28	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	51	120	43	40

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	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	17	16	17	17	17
Total mass of sample received	kg	0.001	NONE	0.3	0.2	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.6	7.5	7.6	8.1	7.6
Total Sulphate as SO4	%	0.005	MCERTS	0.01	-	0.007	-	0.012
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0208	-	0.0097	-	0.0114
Total Sulphur	%	0.005	MCERTS	0.009	-	0.005	-	0.005

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.1	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.18	< 0.05	0.07	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.16	< 0.05	0.07	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.07	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.08	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	5.8	11	7.9	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	18	36	22	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	12	14	14	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	21	11	23	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	6.8	31	8.9	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	38	43	53	44

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
o-xylene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	< 5.0	-	< 5.0



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	< 0.020	-	< 0.020
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	< 0.020	-	< 0.020
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-	-	< 0.050	-	< 0.050
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	< 2.0	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	< 8.0	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	< 8.0	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	< 10	-	< 10

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	< 0.010	-	< 0.010
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	< 0.010	-	< 0.010
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-	-	< 0.050	-	< 0.050
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	< 2.0	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	< 10	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	< 10	-	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	< 10	-	< 10

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	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	18	12	14	13	16
Total mass of sample received	kg	0.001	NONE	0.3	0.2	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8	7.1	6.6	6.9	6.8
Total Sulphate as SO4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	0.06	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	0.06	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.3	7.3	6	6	6.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	20	20	18	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	6.3	13	9	8.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	25	19	21	19	20
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	6.4	5.4	5.2	5.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	84	29	26	28	30

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	< 10	-	-	-
Aldrin	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	< 10	-	-	-
BHC-beta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-delta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	-	-
Bifenthrin	µg/kg	10	NONE	-	< 10	-	-	-
Carbophenothion	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	< 20	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
Deltamethrin	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	-	-
Diazinon	µg/kg	10	NONE	-	< 10	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	< 10	-	-	-
Dichlorvos	µg/kg	10	NONE	-	< 10	-	-	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	-	-
Dimethoate	µg/kg	10	NONE	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	-	-
Endrin	µg/kg	20	NONE	-	< 20	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	< 10	-	-	-
Endrin ketone	µg/kg	10	NONE	-	< 10	-	-	-
Ethion	µg/kg	10	NONE	-	< 10	-	-	-
Etrimfos	µg/kg	10	NONE	-	< 10	-	-	-
Fenitrothion	µg/kg	10	NONE	-	< 10	-	-	-
Fenthion	µg/kg	10	NONE	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	-	-	-
Isodrin	µg/kg	20	NONE	-	< 20	-	-	-
Malathion	µg/kg	10	NONE	-	< 10	-	-	-
Methacrifos	µg/kg	10	NONE	-	< 10	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	< 20	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	-	-	-
Omethoate	µg/kg	20	NONE	-	< 20	-	-	-
Parathion	µg/kg	10	NONE	-	< 10	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Pendimethalin	µg/kg	10	NONE	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	< 10	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	< 10	-	-	-
Phorate	µg/kg	10	NONE	-	< 10	-	-	-
Phosalone	µg/kg	10	NONE	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Propetamphos	µg/kg	10	NONE	-	< 10	-	-	-
Propyzamide	µg/kg	10	NONE	-	< 10	-	-	-
Tecnazene	µg/kg	10	NONE	-	< 10	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	< 10	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	< 10	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	< 10	-	-	-
Trifluralin	µg/kg	10	NONE	-	< 10	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
 Project / Site name: Finchwood Park
 Your Order No: 41623

Lab Sample Number	2856909	2856910	2856911	2856912	2856913
Sample Reference	TP727	TP723	TP721	TP722	TP724
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	1.30	1.00	0.90	0.50
Date Sampled	23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	16
Total mass of sample received	kg	0.001	NONE	0.3	0.3

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.1	7.3	7.1	7.1	7.1
Total Sulphate as SO4	%	0.005	MCERTS	-	0.012	0.015	0.009	0.013
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0027	0.0084	0.0073	0.0029
Total Sulphur	%	0.005	MCERTS	-	0.006	< 0.005	< 0.005	0.008

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.6	11	11	8.3	13
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	35	34	30	43
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	9.3	14	8.9	8.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	10	12	9.7	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.6	11	28	13	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	35	33	48	31	39

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
o-xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-	< 0.020	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-	< 0.020	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-	< 0.050	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-	< 10	-	-	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-	< 0.010	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-	< 0.010	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-	< 0.050	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-	< 10	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	< 10	-	-	-	-
Aldrin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	< 10	-	-	-	-
BHC-beta	µg/kg	10	NONE	< 10	-	-	-	-
BHC-delta	µg/kg	10	NONE	< 10	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	-
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	< 10	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	< 10	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	< 20	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	-
Diazinon	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	-
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	-
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	-
Endrin	µg/kg	20	NONE	< 20	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	< 10	-	-	-	-
Endrin ketone	µg/kg	10	NONE	< 10	-	-	-	-
Ethion	µg/kg	10	NONE	< 10	-	-	-	-
Etrimfos	µg/kg	10	NONE	< 10	-	-	-	-
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	-
Fenthion	µg/kg	10	NONE	< 10	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	-
Isodrin	µg/kg	20	NONE	< 20	-	-	-	-
Malathion	µg/kg	10	NONE	< 10	-	-	-	-
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	< 20	-	-	-	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	-
Omethoate	µg/kg	20	NONE	< 20	-	-	-	-
Parathion	µg/kg	10	NONE	< 10	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	< 10	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	< 10	-	-	-	-
Phorate	µg/kg	10	NONE	< 10	-	-	-	-
Phosalone	µg/kg	10	NONE	< 10	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	-
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	< 10	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	< 10	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	< 10	-	-	-	-
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number	2856914			
Sample Reference	TP726			
Sample Number	None Supplied			
Depth (m)	0.70			
Date Sampled	23/10/2023			
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	16
Total mass of sample received	kg	0.001	NONE	0.3

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.9
Total Sulphate as SO4	%	0.005	MCERTS	0.021
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0277
Total Sulphur	%	0.005	MCERTS	0.008

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.3
Lead (aqua regia extractable)	mg/kg	1	MCERTS	10
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-
Toluene	µg/kg	5	MCERTS	-
Ethylbenzene	µg/kg	5	MCERTS	-
p & m-xylene	µg/kg	5	MCERTS	-
o-xylene	µg/kg	5	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6 _{HS_1D_AL}	mg/kg	0.02	NONE	-
TPH-CWG - Aliphatic >EC6 - EC8 _{HS_1D_AL}	mg/kg	0.02	NONE	-
TPH-CWG - Aliphatic >EC8 - EC10 _{HS_1D_AL}	mg/kg	0.05	NONE	-
TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_1D_AL}	mg/kg	1	MCERTS	-
TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_1D_AL}	mg/kg	2	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_1D_AL}	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_1D_AL}	mg/kg	10	NONE	-

TPH-CWG - Aromatic >EC5 - EC7 _{HS_1D_AR}	mg/kg	0.01	NONE	-
TPH-CWG - Aromatic >EC7 - EC8 _{HS_1D_AR}	mg/kg	0.01	NONE	-
TPH-CWG - Aromatic >EC8 - EC10 _{HS_1D_AR}	mg/kg	0.05	NONE	-
TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_1D_AR}	mg/kg	1	MCERTS	-
TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_1D_AR}	mg/kg	2	MCERTS	-
TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_1D_AR}	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_1D_AR}	mg/kg	10	NONE	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Pesticides				
Alachlor	µg/kg	10	NONE	-
Aldrin	µg/kg	10	NONE	-
Azinphos-ethyl	µg/kg	10	NONE	-
Azinphos-methyl	µg/kg	10	NONE	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-
BHC-beta	µg/kg	10	NONE	-
BHC-delta	µg/kg	10	NONE	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-
Bifenthrin	µg/kg	10	NONE	-
Carbophenothion	µg/kg	10	NONE	-
Chlordane-cis	µg/kg	10	NONE	-
Chlordane-trans	µg/kg	10	NONE	-
Chlorfenvinphos	µg/kg	10	NONE	-
Chlorothalonil	µg/kg	20	NONE	-
Chlorpyrifos	µg/kg	10	NONE	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-
Cypermethrin (Sum)	µg/kg	10	NONE	-
DDD-o,p'	µg/kg	10	NONE	-
DDD-p,p'	µg/kg	10	NONE	-
DDE-o,p'	µg/kg	10	NONE	-
DDE-p,p'	µg/kg	10	NONE	-
DDT-o,p'	µg/kg	10	NONE	-
DDT-p,p'	µg/kg	10	NONE	-
Deltamethrin	µg/kg	10	NONE	-
Demeton-O	µg/kg	10	NONE	-
Demeton-S	µg/kg	10	NONE	-
Diazinon	µg/kg	10	NONE	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-
Dichlorvos	µg/kg	10	NONE	-
Dieldrin	µg/kg	10	NONE	-
Dimethoate	µg/kg	10	NONE	-
Dimethylvinphos	µg/kg	10	NONE	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-
Endosulfan sulfate	µg/kg	10	NONE	-
Endrin	µg/kg	20	NONE	-
Endrin aldehyde	µg/kg	10	NONE	-
Endrin ketone	µg/kg	10	NONE	-
Ethion	µg/kg	10	NONE	-
Etrimfos	µg/kg	10	NONE	-
Fenitrothion	µg/kg	10	NONE	-
Fenthion	µg/kg	10	NONE	-
Fenvalerate (Sum)	µg/kg	10	NONE	-
Heptachlor	µg/kg	10	NONE	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-
Hexachlorobenzene	µg/kg	10	NONE	-
Hexachlorobutadiene	µg/kg	10	NONE	-
Isodrin	µg/kg	20	NONE	-
Malathion	µg/kg	10	NONE	-
Methacrifos	µg/kg	10	NONE	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-



Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Mevinphos, E+Z	µg/kg	10	NONE	-
Omethoate	µg/kg	20	NONE	-
Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-
Pendimethalin	µg/kg	10	NONE	-
Pentachlorobenzene	µg/kg	10	NONE	-
Permethrin, Cis-	µg/kg	10	NONE	-
Permethrin, Trans-	µg/kg	10	NONE	-
Phorate	µg/kg	10	NONE	-
Phosalone	µg/kg	10	NONE	-
Phosphamidon (Sum)	µg/kg	10	NONE	-
Pirimiphos-ethyl	µg/kg	10	NONE	-
Pirimiphos-methyl	µg/kg	10	NONE	-
Propetamphos	µg/kg	10	NONE	-
Propyzamide	µg/kg	10	NONE	-
Tecnazene	µg/kg	10	NONE	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-
Trifluralin	µg/kg	10	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 23-64744
Project / Site name: Finchwood Park

* 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 *
2856889	TP703	None Supplied	0.35	Brown sand with gravel.
2856890	TP704	None Supplied	0.35	Brown sand with gravel.
2856891	TP705	None Supplied	0.35	Brown sand with gravel.
2856892	TP715	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2856893	TP715	None Supplied	0.80-1.20	Brown clay.
2856894	TP717	None Supplied	0.15	Brown loam and clay with gravel and vegetation.
2856895	TP717	None Supplied	1.2	Brown clay and sand.
2856896	TP718	None Supplied	0.2	Brown clay and loam with gravel and vegetation.
2856897	TP718	None Supplied	1.1	Brown clay and sand with gravel.
2856898	TP719	None Supplied	0.2	Brown clay and sand with gravel.
2856899	TP719	None Supplied	0.7	Brown clay and sand.
2856900	TP720	None Supplied	0.3	Brown clay and loam with gravel and vegetation.
2856901	TP720	None Supplied	1.5	Brown clay and sand.
2856902	TP722	None Supplied	0.2	Brown clay and sand with gravel.
2856903	TP722	None Supplied	1.5	Brown sandy clay with gravel.
2856904	TP721	None Supplied	0.2	Brown sandy clay with gravel.
2856905	TP723	None Supplied	0.15	Brown clay and sand with gravel.
2856906	TP724	None Supplied	0.15	Brown clay and sand with gravel.
2856907	TP725	None Supplied	0.15	Brown clay and sand with gravel and vegetation.
2856908	TP726	None Supplied	0.15	Brown clay and sand with gravel and vegetation.
2856909	TP727	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
2856910	TP723	None Supplied	1.3	Brown sandy clay with gravel.
2856911	TP721	None Supplied	1	Brown sandy clay with gravel.
2856912	TP722	None Supplied	0.9	Brown sandy clay with gravel.
2856913	TP724	None Supplied	0.5	Brown sandy clay with gravel.
2856914	TP726	None Supplied	0.7	Brown sandy clay with gravel.

Analytical Report Number : 23-64744
 Project / Site name: Finchwood Park

Water matrix abbreviations:
 Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. Refer to CoA for analyte specific accreditation.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B-PL	W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS



Analytical Report Number : 23-64744
Project / Site name: Finchwood Park

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
-	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total



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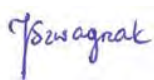
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Analytical Report Number : 24-038320

Project / Site name:	Hogwood Farm, Finchampsstead Phase 3	Samples received on:	23/08/2024
Your job number:	41623	Samples instructed on / Analysis started on:	23/08/2024
Your order number:		Analysis completed by:	30/08/2024
Report Issue Number:	1	Report issued on:	02/09/2024
Samples Analysed:	2 soil samples		

Signed: 

Joanna Szwarzak
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

Excel copies of reports are only valid when accompanied by this PDF certificate.

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: 24-038320

Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number	297291			297292	
Sample Reference	TPE (P16) - ES101			TPE (P16) - ES102	
Sample Number	None Supplied			None Supplied	
Depth (m)	0.20			0.60	
Date Sampled	21/08/2024			21/08/2024	
Time Taken	None Supplied			None Supplied	
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.5	12
Total mass of sample received	kg	0.1	NONE	0.8	0.9

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9	7
Total Sulphate as SO ₄	%	0.005	MCERTS	-	0.023
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	71
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0356
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	35.6
Total Sulphur	mg/kg	50	MCERTS	-	73
Total Sulphur	%	0.005	MCERTS	-	0.007

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.8	8.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.3	5.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	7.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	4.8	8.5
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	23	29

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 24-038320

Project / Site name: Hogwood Farm, Finchamsptead Phase 3

* 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 *
297291	PE (P16) - ES10	None Supplied	0.2	Brown sandy loam with gravel and vegetation
297292	PE (P16) - ES10	None Supplied	0.6	Brown loam and clay with gravel and vegetation

Analytical Report Number : 24-038320

Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Total sulphate (as SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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Analytical Report Number : 24-038329

Replaces Analytical Report Number: 24-038329, issue no. 1

Additional analysis undertaken.

OCP+OPP has been added to samples 297347 & 297357 as per client's request.

Project / Site name:	Hogwood Farm, Finchamsptead Phase 3	Samples received on:	23/08/2024
Your job number:	41623	Samples instructed on / Analysis started on:	23/08/2024
Your order number:		Analysis completed by:	13/09/2024
Report Issue Number:	2	Report issued on:	18/09/2024
Samples Analysed:	14 soil samples		

Signed: 

Rachel Chappell
Key Account Manager
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: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number	297345	297346	297347	297348	297349
Sample Reference	TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.70	0.20	0.60	0.20
Date Sampled	21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	11	12	14	11
Total mass of sample received	kg	0.1	NONE	0.9	0.8	0.9	0.8	0.9

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.5	7.9	6.9	7.5	8.3
Total Sulphate as SO ₄	%	0.005	MCERTS	-	0.051	-	0.031	-
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	530	-	120	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.263	-	0.0614	-
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	263	-	61.4	-
Total Sulphur	mg/kg	50	MCERTS	-	180	-	180	-
Total Sulphur	%	0.005	MCERTS	-	0.018	-	0.018	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.1	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.15	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	0.85	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.4	11	6.1	7.6	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	41	22	26	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.9	13	7.6	6.8	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	10	18	10	21
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.8	9.7	7	10	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	44	42	35	39	60

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number				297345	297346	297347	297348	297349
Sample Reference				TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.70	0.20	0.60	0.20
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	-
Etrinfos	µg/kg	10	NONE	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	-
Endrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
Parathion	µg/kg	10	NONE	-	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Phorate	µg/kg	10	NONE	-	-	< 10	-	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number				297345	297346	297347	297348	297349
Sample Reference				TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.70	0.20	0.60	0.20
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-	-
Ethion	µg/kg	10	NONE	-	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	-
Malathion	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number	297350	297351	297352	297353	297354
Sample Reference	TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.60	0.20	0.50	0.20	0.60
Date Sampled	21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	14	14	11	14
Total mass of sample received	kg	0.1	NONE	0.8	0.9	0.8	0.9	0.8

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	7.9	8.3	7.7	7.8
Total Sulphate as SO ₄	%	0.005	MCERTS	0.023	-	0.024	-	0.019
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	-	140	-	78
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0666	-	0.0675	-	0.0388
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	66.6	-	67.5	-	38.8
Total Sulphur	mg/kg	50	MCERTS	150	-	160	-	99
Total Sulphur	%	0.005	MCERTS	0.015	-	0.016	-	0.01

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	6.4	5.9	6.8	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	38	17	23	17	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.6	5.8	4.4	4.6	5.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	11	19	12	13	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	5.6	6.4	6	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	36	33	33	59

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number	297350	297351	297352	297353	297354
Sample Reference	TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.60	0.20	0.50	0.20	0.60
Date Sampled	21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrinfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297350	297351	297352	297353	297354
Sample Reference				TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	0.20	0.50	0.20	0.60
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number	297355	297356	297357	297358
Sample Reference	TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.60	0.20	0.50
Date Sampled	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	13	10	11
Total mass of sample received	kg	0.1	NONE	0.9	0.8	0.9	0.9

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.4	7.8	7.4	7.5
Total Sulphate as SO ₄	%	0.005	MCERTS	-	0.019	-	0.013
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	48	-	25
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0242	-	0.0123
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	24.2	-	12.3
Total Sulphur	mg/kg	50	MCERTS	-	89	-	60
Total Sulphur	%	0.005	MCERTS	-	0.009	-	0.006

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.8	10	5	10
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	27	12	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.7	6.6	4.7	5.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	19	10	14	8.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.5	7.8	3.6	7.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37	32	24	26

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number				297355	297356	297357	297358
Sample Reference				TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.60	0.20	0.50
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-
Etrinfos	µg/kg	10	NONE	-	-	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-
Endrin	µg/kg	10	NONE	-	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-
Methacryfos	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-
Parathion	µg/kg	10	NONE	-	-	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-
Phorate	µg/kg	10	NONE	-	-	< 10	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Lab Sample Number				297355	297356	297357	297358
Sample Reference				TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.60	0.20	0.50
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-
Ethion	µg/kg	10	NONE	-	-	< 10	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-
Malathion	µg/kg	10	NONE	-	-	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 24-038329

Project / Site name: Hogwood Farm, Finchampsstead Phase 3

* 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 *
297345	TPA (P6) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297346	TPA (P6) - ES10	None Supplied	0.7	Brown clay
297347	TPB (P6) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297348	TPB (P6) - ES10	None Supplied	0.6	Brown clay
297349	TPC (P6) - ES10	None Supplied	0.2	Brown loam and clay with gravel and vegetation
297350	TPC (P6) - ES10	None Supplied	0.6	Brown clay
297351	TPA (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297352	TPA (P16) - ES10	None Supplied	0.5	Brown clay and sand with gravel
297353	TPB (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297354	TPB (P16) - ES10	None Supplied	0.6	Brown loam and clay with gravel and vegetation
297355	TPC (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297356	TPC (P16) - ES10	None Supplied	0.6	Brown clay
297357	PD (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297358	PD (P16) - ES10	None Supplied	0.5	Brown clay and sand with gravel

Analytical Report Number : 24-038329

Project / Site name: Hogwood Farm, Finchampsstead Phase 3

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Total sulphate (as SO ₄ in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Determination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

Inorganic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)
Arsenic	37
Cadmium	11
Chromium (III)	910
Chromium (VI)	6
Lead	200
Mercury	1.2
Nickel	180
Selenium	250
Copper	2400
Zinc	3700

Organic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	2.3	5.6	13
Acenaphthene	210	510	1100
Acenaphthylene	170	420	920
Fluorene	170	400	860
Phenanthrene	95	220	440
Anthracene	2400	5400	11000
Fluoranthene	280	560	890
Pyrene	620	1200	2000
Benzo(a)anthracene	7.2	11	13
Chrysene	15	22	27
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(k)fluoranthene	77	93	100
Benzo(a)pyrene	2.2	2.7	3.0
Dibenz(a,h)anthracene	0.24	0.28	0.3
Indeno(1,2,3-cd)pyrene	27	36	41
Benzo(g,h,i)perylene	320	340	350
Benzene	0.087	0.17	0.37
Toluene	130	290	660
Ethylbenzene	47	110	260
o-Xylene	60	140	330
m-Xylene	59	140	320
p-Xylene	56	130	310

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 St Andrew's House 23 Kingfield Road Sheffield S11 9AS Tel: (0114) 255 4554 Fax: (0114) 255 4330	CALA HOMES THAMES AND LEGAL & GENERAL HOMES LTD PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK) ASSESSMENT CRITERIA – RESIDENTIAL WITH HOMEGROWN PRODUCE
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Contaminant	Phytotoxicity			
	pH 5.0 to 5.5	pH 5.5 to 6.0	pH 6.0 to 7.0	pH >7.0
Arsenic	50			
Cadmium	3			
Chromium	400			
Lead	300			
Mercury	1			
Nickel	50	60	75	110
Copper	80	100	135	200
Zinc	200	200	200	300

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010. The others have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. The metals/metalloids are based on a sandy loam soil and 6% soil organic matter. The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil'*, MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 *'Concrete in Aggressive Ground'*.

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TPH Fraction	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Aliphatic EC 5-6	42	78	160
Aliphatic EC >6-8	100	230	530
Aliphatic EC >8-10	27	65	150
Aliphatic EC >10-12	130 (48) ^{vap}	330 (118) ^{vap}	760 (283) ^{vap}
Aliphatic EC >12-16	1100 (24) ^{sol}	2400 (59) ^{sol}	4,300 (142) ^{sol}
Aliphatic EC >16-35	65,000 (8.48) ^{f, sol}	92,000 (21) ^{f, sol}	110,000 ^f
Aliphatic EC >35-44	65,000 (8.48) ^{f, sol}	92,000 (21) ^{f, sol}	110,000 ^f
Aromatic EC 5-7	70	140	300
Aromatic EC >7-8	130	290	660
Aromatic EC >8-10	34	83	190
Aromatic EC >10-12	74	180	380
Aromatic EC >12-16	140	330	660
Aromatic EC >16-21	260 ^f	540 ^f	930 ^f
Aromatic EC >21-35	1,100 ^f	1,500 ^f	1,700 ^f
Aromatic EC >35-44	1,100 ^f	1,500 ^f	1,700 ^f

^f oral, dermal, and inhalation exposure compared with oral HCV

^{sol} S4UL presented exceeds the solubility saturation limit, which is presented in brackets

^{vap} S4UL presented exceed the vapour saturation limit, which is presented in brackets

The assessment criteria for each of the petroleum hydrocarbon fractions have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Within the Environment Agency Science Report P5-080/TR3, Askari, K. & Pollard, S., 2005 'The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils' it is stated that the assessment values should not be considered individually; instead the potential additive effects should be calculated. This is achieved by calculating an individual Hazard Quotient (HQ) for each fraction. The HQ is the proportion of the assessment concentration represented by the recorded concentration. The HQs are then added together to form a Hazard Index (HI) and where this exceeds unity a potential significant risk to human health may exist.

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Inorganics	Intended Land Use
	Allotment (mg/kg)
Arsenic	43
Cadmium	1.9
Chromium (III)	18000
Chromium (VI)	1.8
Lead	200
Mercury	6
Nickel	230
Selenium	88
Copper	520
Zinc	620

The assessment values for arsenic, cadmium, mercury, nickel and selenium have been taken from Nathanail, C. P., McCaffrey, C., Ashmore, M. H., Cheng, Y. Y., Gillett, A., Ogden, R. & Scott, D., 2009 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. They are based on a sandy loam soil and 6% soil organic matter. The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land; Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.

The assessment criteria for chromium III, chromium VI, and the sixteen polycyclic aromatic hydrocarbon (PAH) species covered under the USEPA test have been taken from Nathanail, C. P., McCaffrey, C., Ashmore, M. H., Cheng, Y. Y., Gillett, A., Ogden, R. & Scott, D., 2009 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter. These are also all based on a sandy loam soil.

With the exception of copper and zinc, the assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. The modified mean value should instead be compared with the SGV.

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Organic Compounds	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	4.1	10	24
Acenaphthene	34	85	200
Acenaphthylene	28	69	160
Fluorene	27	67	160
Phenanthrene	15	38	90
Anthracene	380	950	2200
Fluoranthene	52	130	290
Pyrene	110	270	620
Benzo(a)anthracene	2.9	6.5	13
Chrysene	4.1	9.4	19
Benzo(b)fluoranthene	0.9	2.1	3.9
Benzo(k)fluoranthene	37	75	130
Benzo(a)pyrene	0.97	2.0	3.5
Dibenz(a,h)anthracene	0.14	0.27	0.43
Indeno(1,2,3-cd)pyrene	9.5	21	39
Benzo(g,h,i)perylene	290	470	640

The assessment values for the metals copper and zinc are levels at which plant growth is thought to be affected. The assessment values for copper and zinc are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the '*The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 '*Concrete in Aggressive Ground*'.

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Contaminant	Intended Land Use				
	Public Open Space – Public Park (mg/kg)				
	Human Health	Phytotoxicity			
		pH 5.0-5.5	pH 5.5-6.0	pH 6.0-6.5	pH >7.0
Arsenic	170	50			
Cadmium	532	3			
Chromium (III)	33000	400			
Chromium (VI)	220	-			
Lead	580	300			
Mercury	240	1			
Nickel	3400	50	60	75	110
Selenium	1800				
Copper	44000	80	100	135	200
Zinc	170000	200	200	200	300

Notes:

The assessment concentrations for arsenic, cadmium, chromium (III), chromium (VI), copper, nickel, mercury, selenium and zinc are taken from Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C., and Nathanail, J.F., 2015, 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter.

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.

The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the '*The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

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---	--

Organic Compounds	Human Health – Public Open Space – Public Park (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	1200 (76.4) ^{sol}	1900 (183) ^{sol}	3000
Acenaphthene	29000	30000	30000
Acenaphthylene	29000	30000	30000
Fluorene	20000	20000	20000
Phenanthrene	6200	6200	6300
Anthracene	150000	150000	150000
Fluoranthene	6300	6300	6400
Pyrene	15000	15000	15000
Benz(a)anthracene	49	56	62
Chrysene	93	110	120
Benzo(b)fluoranthene	13	15	16
Benzo(k)fluoranthene	370	410	440
Benzo(a)pyrene	11	12	13
Dibenz(a,h)anthracene	1.1	1.3	1.4
Indeno(1,2,3-cd)pyrene	150	170	180
Benzo(g,h,i)perylene	1400	1500	1600
Phenol	760 ^{dir}	1500 ^{dir}	3200 ^{dir}
Benzene	90	100	110
Toluene	87000 ^{vap} (869)	95000 ^{vap} (1920)	100000 ^{vap} (4360)
Ethylbenzene	17000 ^{vap} (518)	22000 ^{vap} (1220)	27000 ^{vap} (2840)
o-Xylene	17000 ^{sol} (478)	24000 ^{sol} (1120)	33000 ^{sol} (2620)
m-Xylene	17000 ^{vap} (625)	24000 ^{vap} (1470)	32000 ^{vap} (3460)
p-Xylene	17000 ^{sol} (576)	23000 ^{sol} (1350)	31000 ^{sol} (3170)

^{sol} = S4ULs presented exceeds the solubility saturation limit, which is presented in brackets.

^{vap} = S4ULs presented exceeds the vapour saturation limit, which is presented in brackets.

^{dir} = S4ULs Based pm a threshold protective of direct skin contact with phenol.

The assessment criteria for the sixteen polycyclic aromatic hydrocarbon (PAH) species covered under the USEPA test, Phenol and BTEX have been taken from Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C., and Nathanail, J.F., 2015, 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter. This is also the case for phenol at 1% and 2.5% SOM. These are also all based on a sandy loam soil.

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Inorganic Compounds	Human Health – Public Open Space Near Housing (mg/kg)
Arsenic	79
Cadmium	120
Chromium (III)	1500
Chromium (VI)	7.7
Lead	270-760
Mercury	16
Nickel	230
Selenium	1100
Copper	12000
Zinc	81000

Organic Compounds	Human Health – Public Open Space Near Housing (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	4900	4900	4900
Acenaphthene	15000	15000	15000
Acenaphthylene	15000	15000	15000
Fluorene	9900	9900	9900
Phenanthrene	3100	3100	3100
Anthracene	74000	74000	74000
Fluoranthene	3100	3100	3100
Pyrene	7400	7400	7400
Benzo(a)anthracene	29	29	29
Chrysene	57	57	57
Benzo(b)fluoranthene	7.1	7.2	7.2
Benzo(k)fluoranthene	190	190	190
Benzo(a)pyrene	5.7	5.7	5.7
Dibenz(a,h)anthracene	0.57	0.57	0.58
Indeno(1,2,3-cd)pyrene	82	82	82
Benzo(g,h,i)perylene	640	640	640
Benzene	72	72	73
Toluene	56000	56000	56000
Ethylbenzene	24000	24000	25000
o-Xylene	41000	42000	43000
m-Xylene	41000	42000	43000
p-Xylene	41000	42000	43000

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Contaminant	Phytotoxicity			
	pH 5.0 to 5.5	pH 5.5 to 6.0	pH 6.0 to 7.0	pH >7.0
Arsenic	50			
Cadmium	3			
Chromium	400			
Lead	300			
Mercury	1			
Nickel	50	60	75	110
Copper	80	100	135	200
Zinc	200	200	200	300

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.

The others have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. The metals/metalloids are based on a sandy loam soil and 6% soil organic matter. The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil'*, MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 *'Concrete in Aggressive Ground'*.

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TPH Fraction	Intended Land Use Public Open Space Near Housing (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Aliphatic EC 5-6	570000 (304) ^{sol}	590000	600000
Aliphatic EC >6-8	600000	610000	620000
Aliphatic EC >8-10	13000	13000	13000
Aliphatic EC >10-12	13000	13000	13000
Aliphatic EC >12-16	13000	13000	13000
Aliphatic EC >16-35	250000 ^f	250000 ^f	250000 ^f
Aliphatic EC >35-44	250000 ^f	250000 ^f	250000 ^f
Aromatic EC 5-7	56000	56000	56000
Aromatic EC >7-8	56000	56000	56000
Aromatic EC>8-10	5000	5000	5000
Aromatic EC >10-12	5000	5000	5000
Aromatic EC >12-16	5100	5100	5000
Aromatic EC >16-21	3800 ^f	3800 ^f	3800 ^f
Aromatic EC >21-35	3800 ^f	3800 ^f	3800 ^f
Aromatic EC >35-44	3800 ^f	3800 ^f	3800 ^f

^f oral, dermal, and inhalation exposure compared with oral HCV

^{sol} S4UL presented exceeds the solubility saturation limit, which is presented in brackets

The assessment criteria for each of the petroleum hydrocarbon fractions have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Within the Environment Agency Science Report P5-080/TR3, Askari, K. & Pollard, S., 2005 *'The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils'* it is stated that the assessment values should not be considered individually; instead the potential additive effects should be calculated. This is achieved by calculating an individual Hazard Quotient (HQ) for each fraction. The HQ is the proportion of the assessment concentration represented by the recorded concentration. The HQs are then added together to form a Hazard Index (HI) and where this exceeds unity a potential significant risk to human health may exist.

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Appendix 5

Geotechnical Test Results – GEO/34197, GEO/39421 & GEO/41200

GEOLABS Limited
Unit D3 HRS Business Park
Granby Avenue
Birmingham
B33 0SJ

Tel: +44(0) 121 296 4600
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Eastwood and Partners (Consulting Engineers) Limited
The Old Pumping House
Main Road
Littleton
Winchester
SO22 6PR

19 November 2021

Report No : GEO/34197/01

Page 1 of 1

For the attention of Ms M Ebling / Ms R Noble

Our ref **GEO / 34197**
Your Ref **41623**

Date samples received 26/10/2021
Date written instructions received 26/10/2021
Date testing commenced 27/10/2021
Date of sample disposal 17/12/2021

Project **HOGWOOD FARM**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	15	Water Content
2	15	Liquid & Plastic Limits

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**



J A Reynolds
Director



SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP301	2.30		D	Brown mottled orangish brown and grey very sandy CLAY.	25.6	43	19	24	100	CI	2	1
TP305	1.70		D	Brown mottled orange and grey sandy CLAY with rare fine to medium gravel.	29.3	46	19	27	99	CI	2	1
TP307	2.30		D	Brown very sandy CLAY.	25.8	40	18	22	100	CI	2	1
TP308	3.10		D	Brown mottled orange and light grey very sandy CLAY.	24.9	39	17	22	100	CI	2	1
TP310	1.60		D	Orangish brown mottled light grey very sandy CLAY.	25.7	41	16	25	100	CI	2	1
TP312A	2.30		D	Brown mottled greyish brown very sandy CLAY.	22.2	43	17	26	100	CI	2	1
TP315	1.50		D	Orange mottled light grey sandy CLAY.	28.6	49	19	30	100	CI	2	1
TP318	2.30		D	Brown mottled light grey sandy CLAY.	28.7	50	19	31	100	CI	2	1
TP320	1.70		D	Brown mottled light grey sandy CLAY.	27.9	51	22	29	100	CH	2	1
TP325	1.20		D	Brown mottled orange and light grey sandy CLAY.	26.3	55	21	34	100	CH	2	1
TP329	3.20		D	Brown very sandy CLAY.	23.7	42	17	25	100	CI	2	1
TP343	1.10		D	Greyish brown mottled light brown and orangish brown very sandy CLAY with rare fine gravel.	24.1	31	16	15	99	CL	2	1
TP345	2.70		D	Brownish grey mottled brown sandy CLAY.	27.1	53	20	33	100	CH	2	1
TP348	3.00		D	Light brown and greyish brown mottled sandy CLAY.	30.4	51	19	32	100	CH	2	1
TP350	1.50		D	Brown mottled greyish brown very sandy CLAY.	24.4	44	16	28	100	CI	2	1

Test Type:

1 - 1 point 80g / 30° fall cone method.
 2 - 4 point 80g / 30° fall cone method.
 3 - Non plastic determination.

Sample condition:

1 - As Received
 2 - Air Dried
 3 - Washed & Air Dried

Checked and Approved by:



J A Reynolds - Director
 19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
 41623



Test Type:	Sample condition:
1 - 1 point 80g / 30° fall cone method.	1 - As Received
2 - 4 point 80g / 30° fall cone method.	2 - Air Dried
3 - Non plastic determination.	3 - Washed & Air Dried

J A Reynolds - Director
19/11/2021

Project Name:

HOGWOOD FARM
41623



LIQUID AND PLASTIC LIMITS

Location TP301
Depth (m) 2.30
Sample Type D

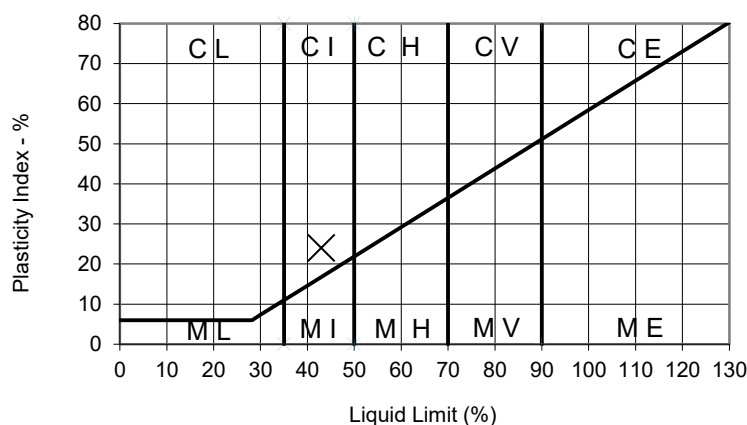
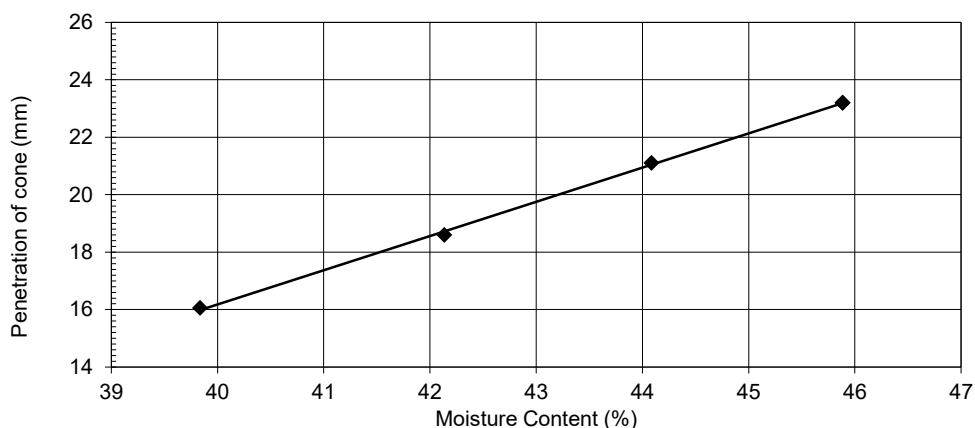
Description:

Brown mottled orangish brown and grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 25.6 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 43 %
Plastic Limit : 19 %
Plasticity Index : 24 %

Equivalent Water Content of material passing 425µm sieve : 25.6 %
Liquidity Index : 0.28



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**

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LIQUID AND PLASTIC LIMITS

Location TP305
Depth (m) 1.70
Sample Type D

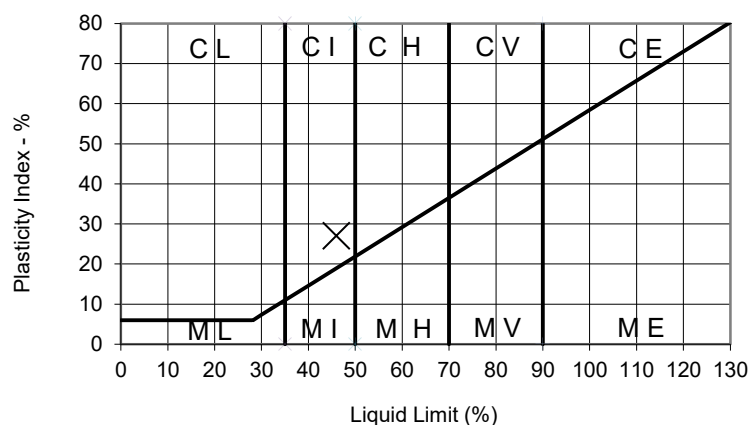
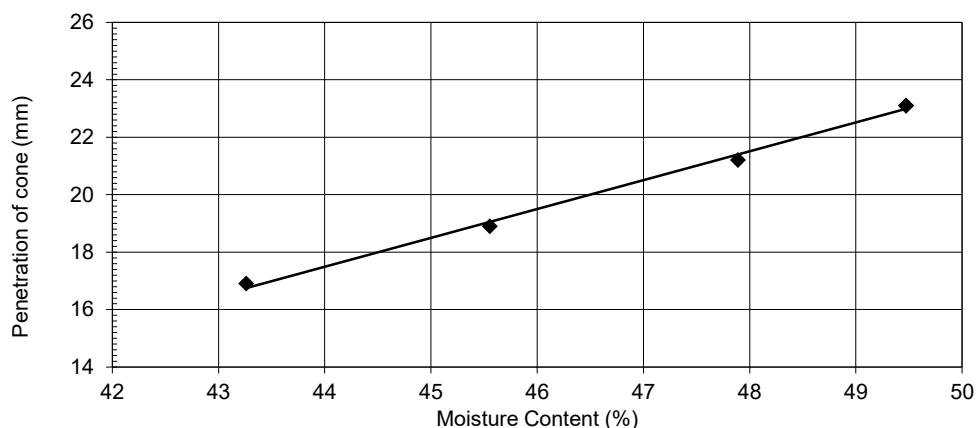
Description:

Brown mottled orange and grey sandy CLAY with rare fine to medium gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014) 29.3 %
Estimated percentage passing 425µm sieve : 99 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 46 %
Plastic Limit : 19 %
Plasticity Index : 27 %

Equivalent Water Content of material passing 425µm sieve : 29.7 %
Liquidity Index : 0.40



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**

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LIQUID AND PLASTIC LIMITS

Location TP307
Depth (m) 2.30
Sample Type D

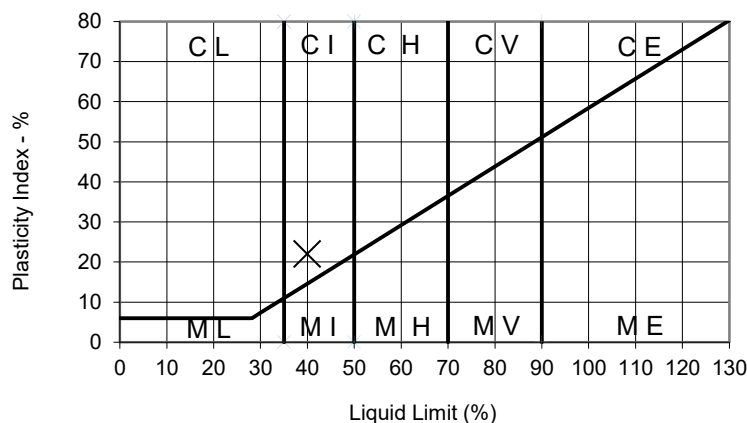
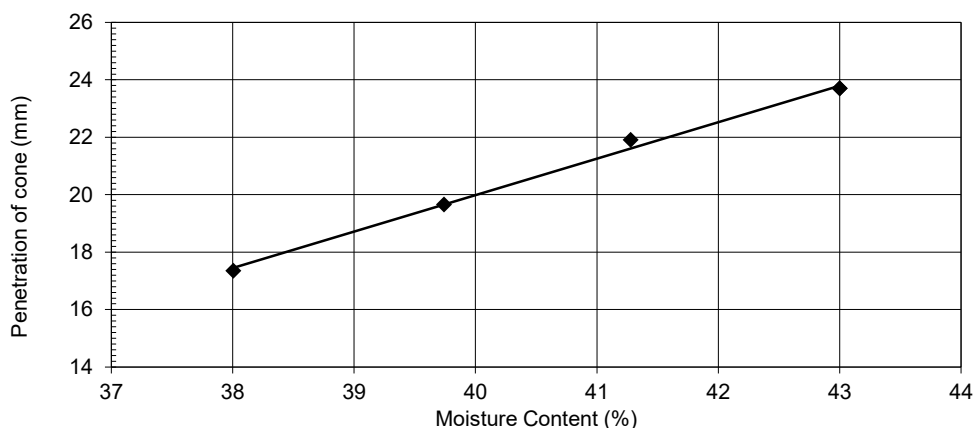
Description:

Brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 25.8 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 40 %
Plastic Limit : 18 %
Plasticity Index : 22 %

Equivalent Water Content of material passing 425µm sieve : 25.8 %
Liquidity Index : 0.35



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

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LIQUID AND PLASTIC LIMITS

Location TP308
Depth (m) 3.10
Sample Type D

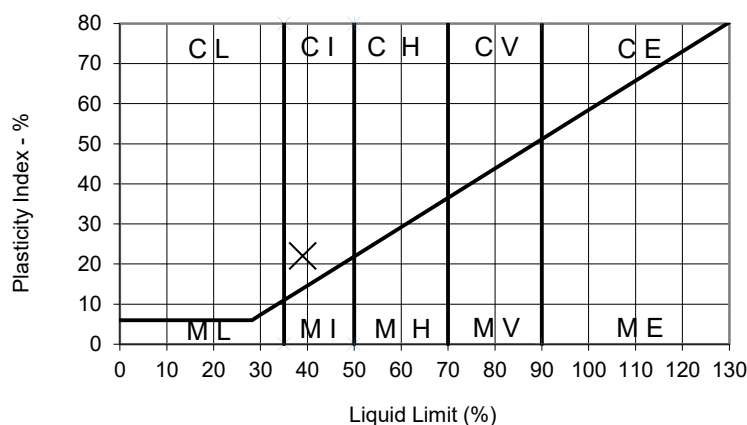
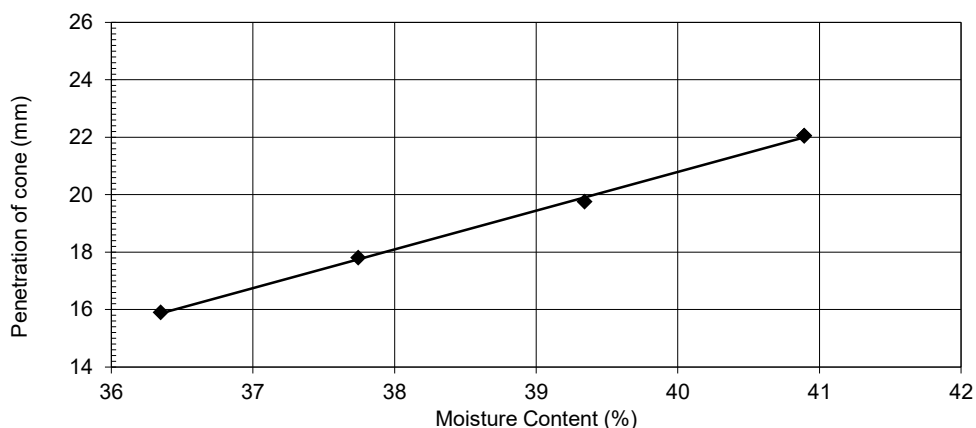
Description:

Brown mottled orange and light grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 24.9 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 39 %
Plastic Limit : 17 %
Plasticity Index : 22 %

Equivalent Water Content of material passing 425µm sieve : 24.9 %
Liquidity Index : 0.36



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
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LIQUID AND PLASTIC LIMITS

Location TP310
Depth (m) 1.60
Sample Type D

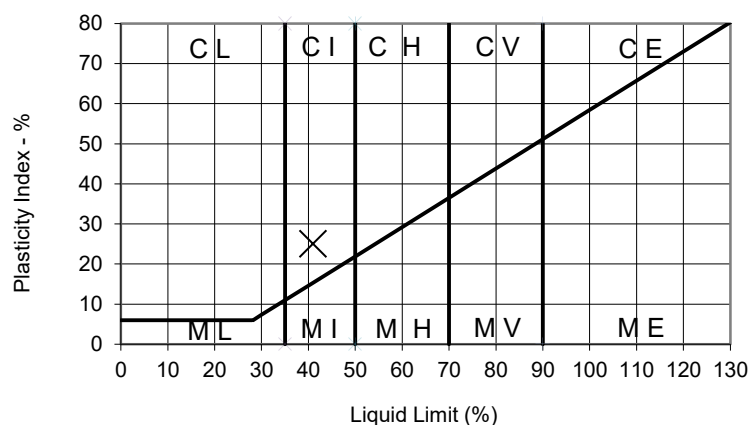
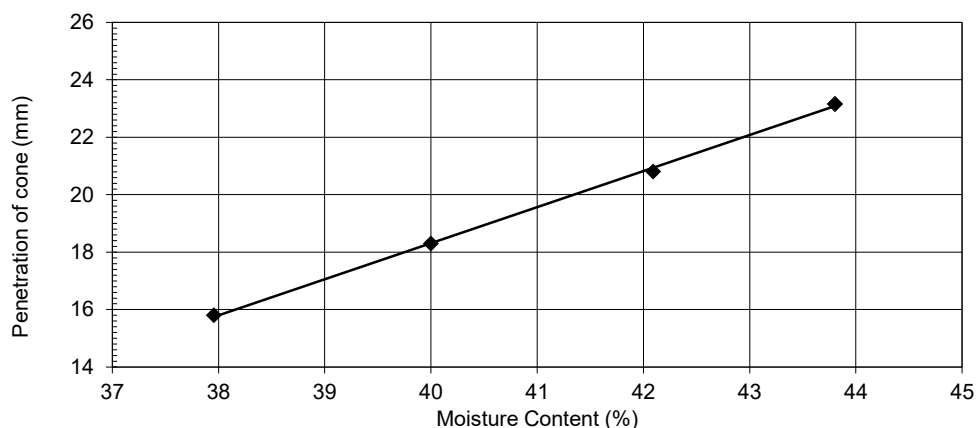
Description:

Orangish brown mottled light grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 25.7 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 41 %
Plastic Limit : 16 %
Plasticity Index : 25 %

Equivalent Water Content of material passing 425µm sieve : 25.7 %
Liquidity Index : 0.39



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**

GEOLABS



LIQUID AND PLASTIC LIMITS

Location TP312A
Depth (m) 2.30
Sample Type D

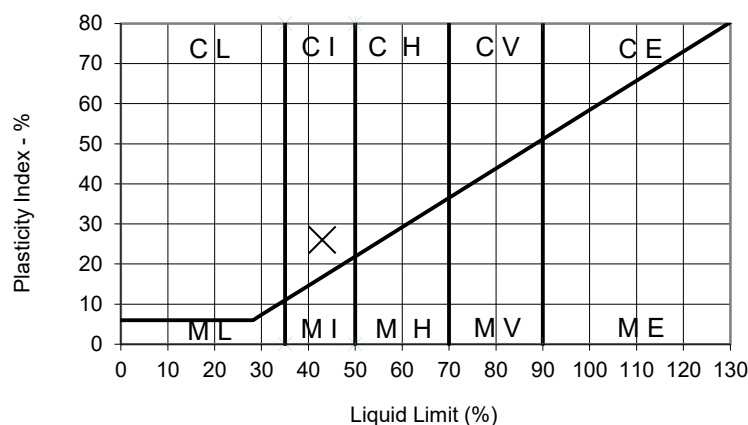
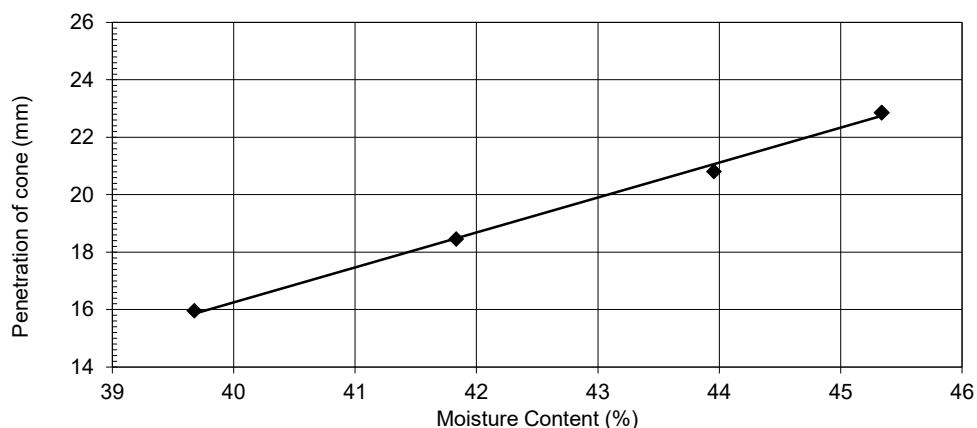
Description:

Brown mottled greyish brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 22.2 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 43 %
Plastic Limit : 17 %
Plasticity Index : 26 %

Equivalent Water Content of material passing 425µm sieve : 22.2 %
Liquidity Index : 0.20



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP315
Depth (m) 1.50
Sample Type D

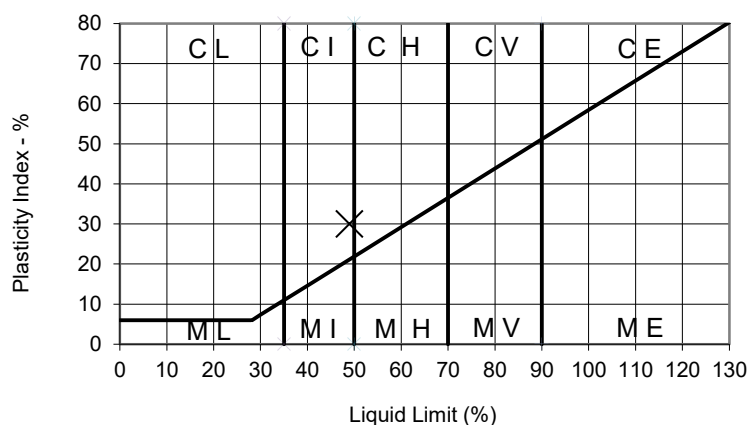
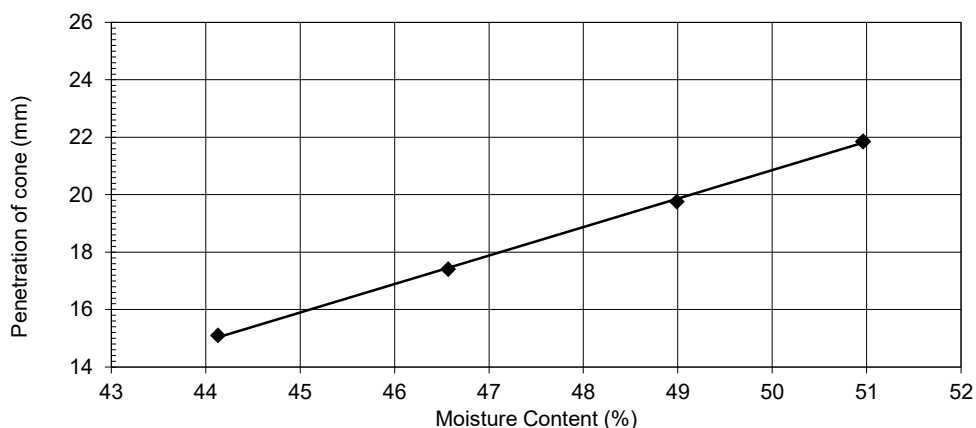
Description:

Orange mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 28.6 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 49 %
Plastic Limit : 19 %
Plasticity Index : 30 %

Equivalent Water Content of material passing 425µm sieve : 28.6 %
Liquidity Index : 0.32



Tested by AD
Checked and Approved by

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP318
Depth (m) 2.30
Sample Type D

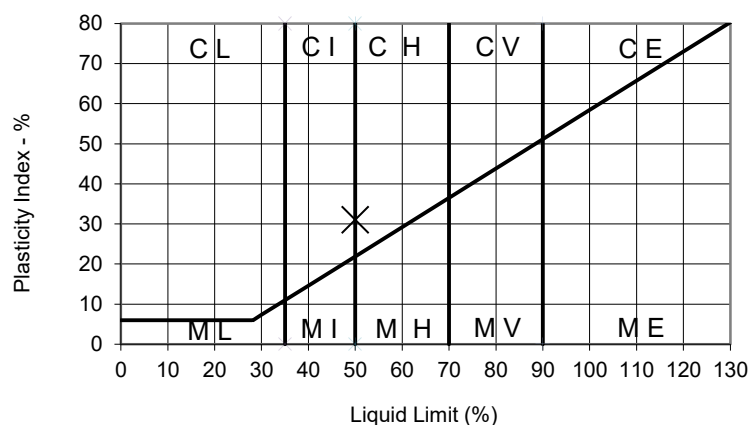
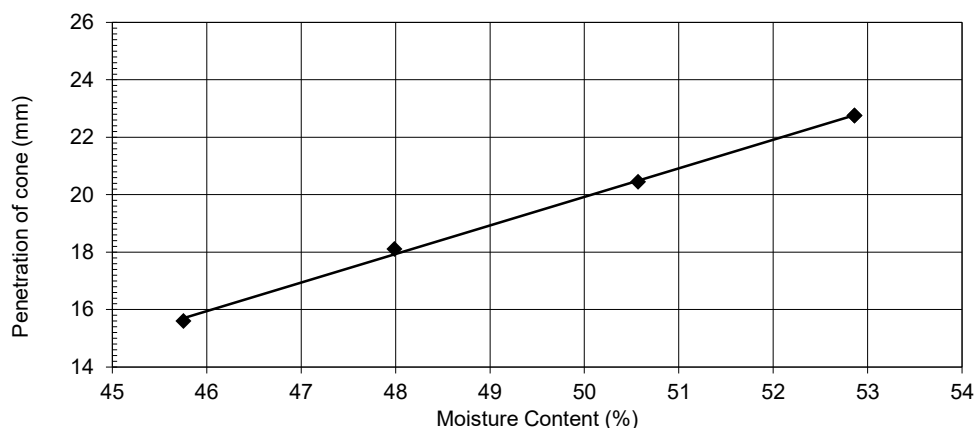
Description:

Brown mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 28.7 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 50 %
Plastic Limit : 19 %
Plasticity Index : 31 %

Equivalent Water Content of material passing 425µm sieve : 28.7 %
Liquidity Index : 0.31



Tested by AD
Checked and Approved by

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP320
Depth (m) 1.70
Sample Type D

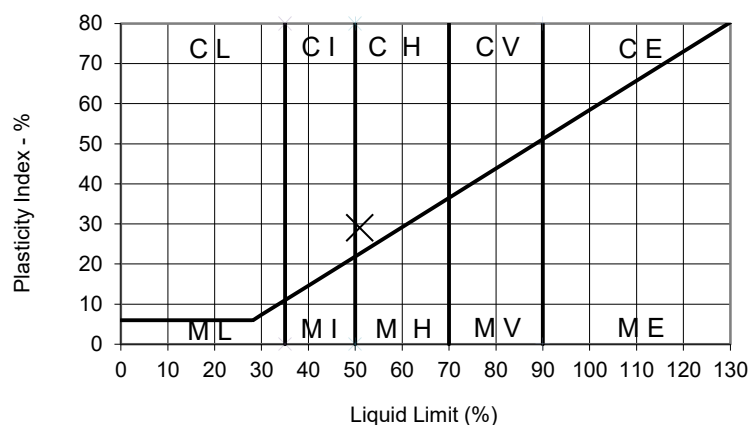
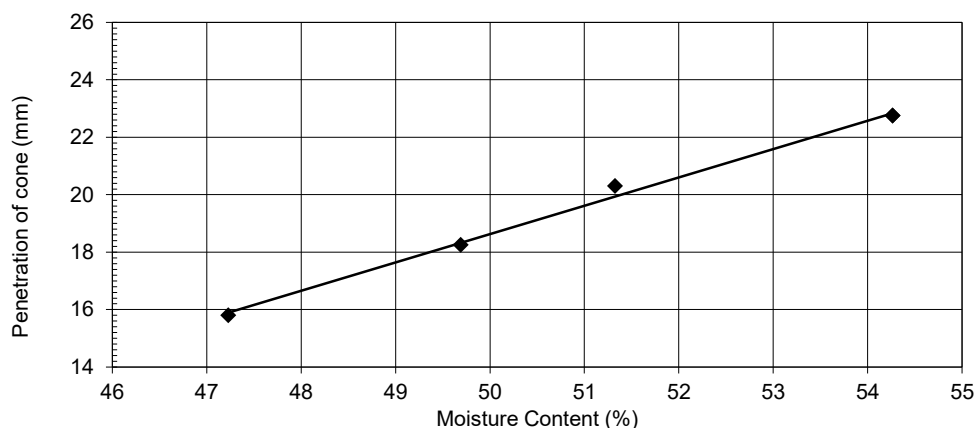
Description:

Brown mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 27.9 %
 Estimated percentage passing 425µm sieve : 100 %
 Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 51 %
 Plastic Limit : 22 %
 Plasticity Index : 29 %

Equivalent Water Content of material passing 425µm sieve : 27.9 %
 Liquidity Index : 0.20



Tested by AD
Checked and Approved by

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP325
Depth (m) 1.20
Sample Type D

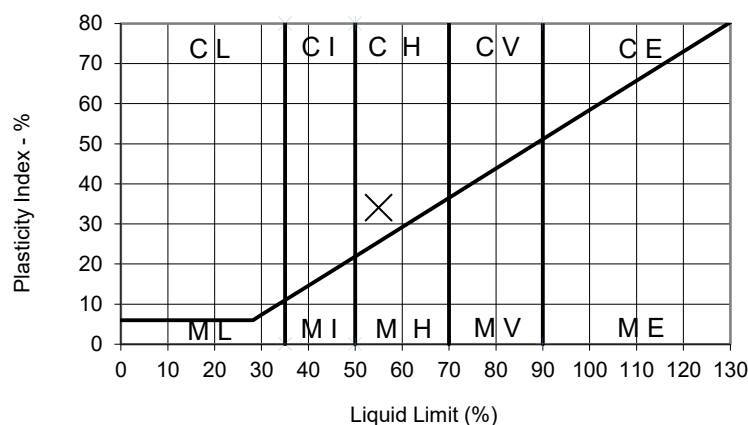
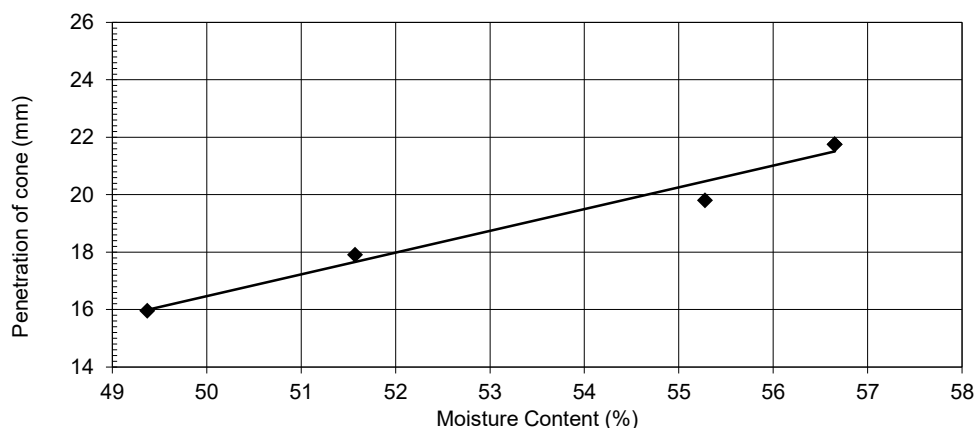
Description:

Brown mottled orange and light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 26.3 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 55 %
Plastic Limit : 21 %
Plasticity Index : 34 %

Equivalent Water Content of material passing 425µm sieve : 26.3 %
Liquidity Index : 0.16



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP329
Depth (m) 3.20
Sample Type D

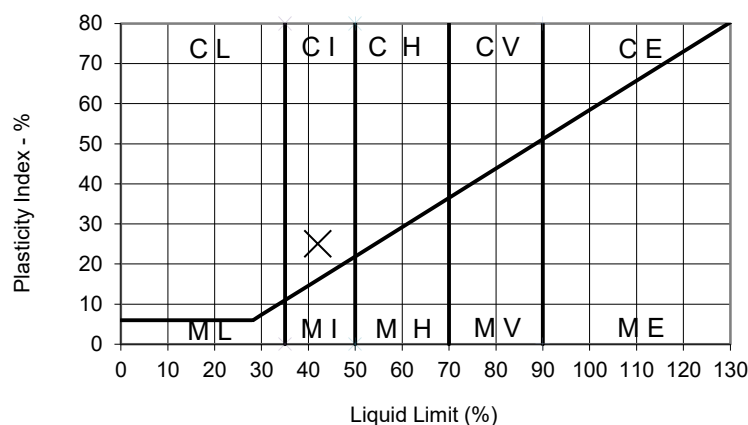
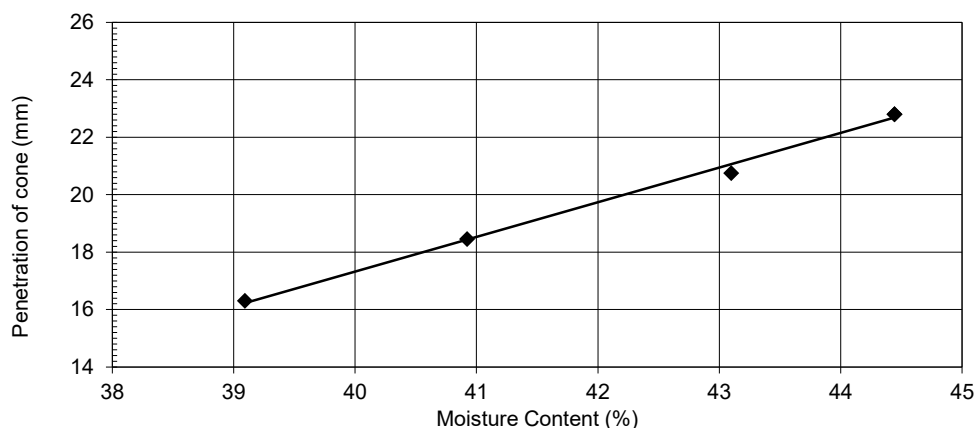
Description:

Brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 23.7 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 42 %
Plastic Limit : 17 %
Plasticity Index : 25 %

Equivalent Water Content of material passing 425µm sieve : 23.7 %
Liquidity Index : 0.27



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

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LIQUID AND PLASTIC LIMITS

Location TP343
Depth (m) 1.10
Sample Type D

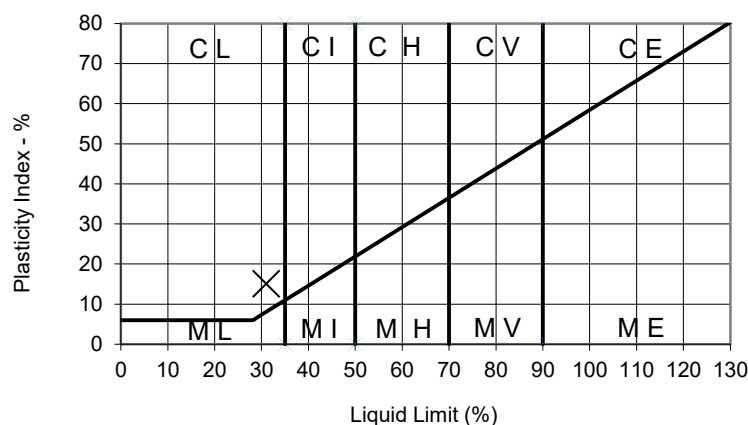
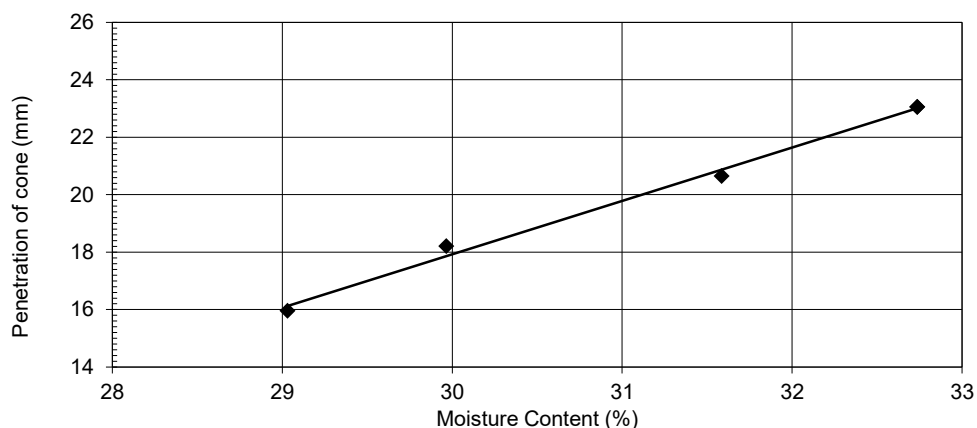
Description:

Greyish brown mottled light brown and orangish brown very sandy CLAY with rare fine gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014) 24.1 %
Estimated percentage passing 425µm sieve : 99 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 31 %
Plastic Limit : 16 %
Plasticity Index : 15 %

Equivalent Water Content of material passing 425µm sieve : 24.4 %
Liquidity Index : 0.56



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**



LIQUID AND PLASTIC LIMITS

Location TP345
Depth (m) 2.70
Sample Type D

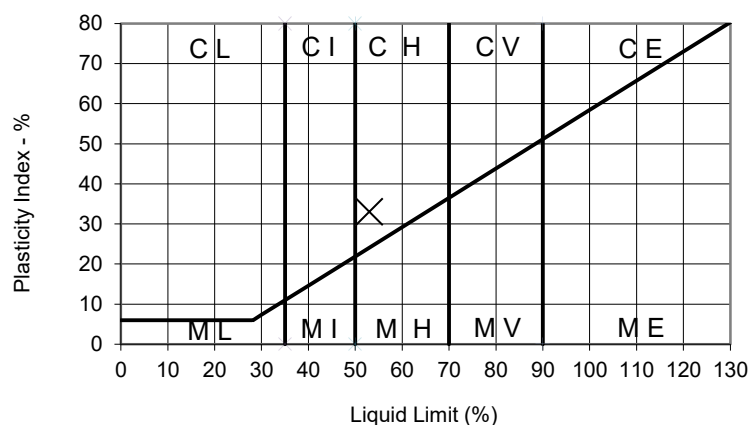
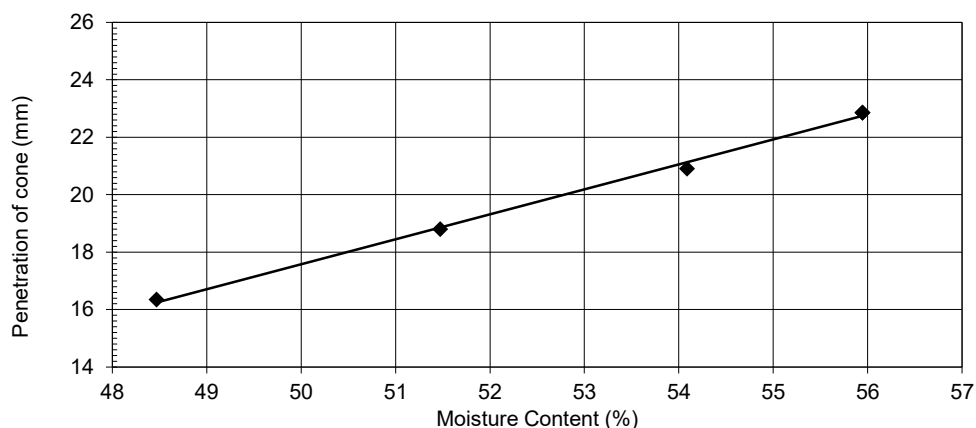
Description:

Brownish grey mottled brown sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 27.1 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 53 %
Plastic Limit : 20 %
Plasticity Index : 33 %

Equivalent Water Content of material passing 425µm sieve : 27.1 %
Liquidity Index : 0.22



Tested by AD
Checked and Approved by

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

GEOLABS

LIQUID AND PLASTIC LIMITS

Location TP348
Depth (m) 3.00
Sample Type D

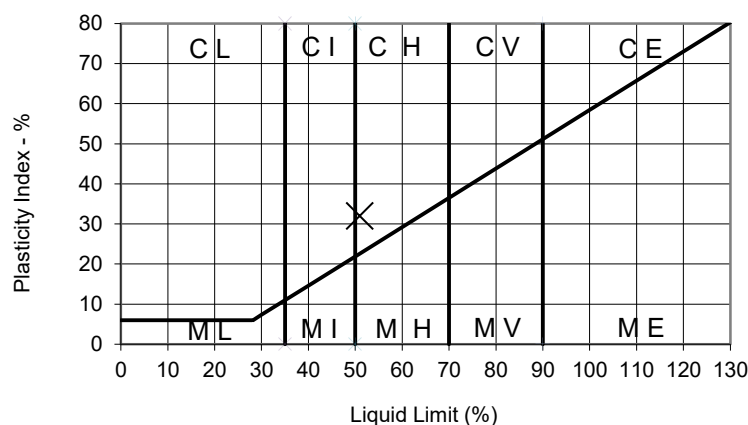
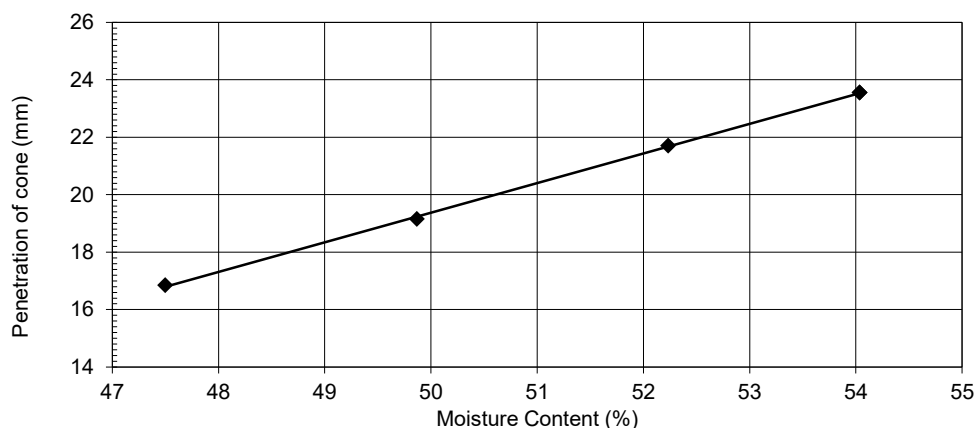
Description:

Light brown and greyish brown mottled sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 30.4 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 51 %
Plastic Limit : 19 %
Plasticity Index : 32 %

Equivalent Water Content of material passing 425µm sieve : 30.4 %
Liquidity Index : 0.36



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**

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LIQUID AND PLASTIC LIMITS

Location TP350
Depth (m) 1.50
Sample Type D

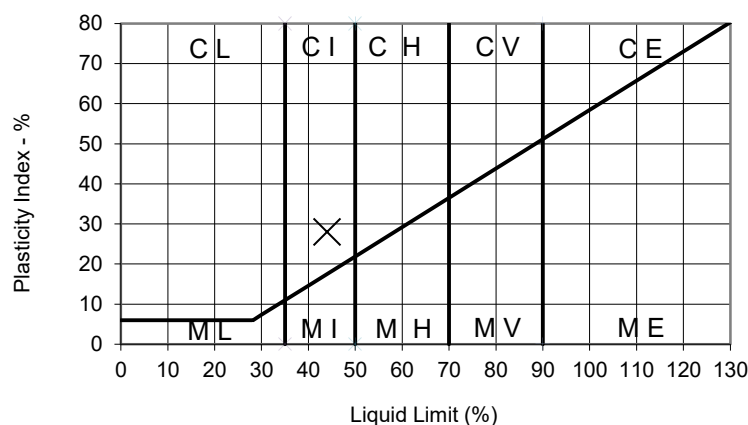
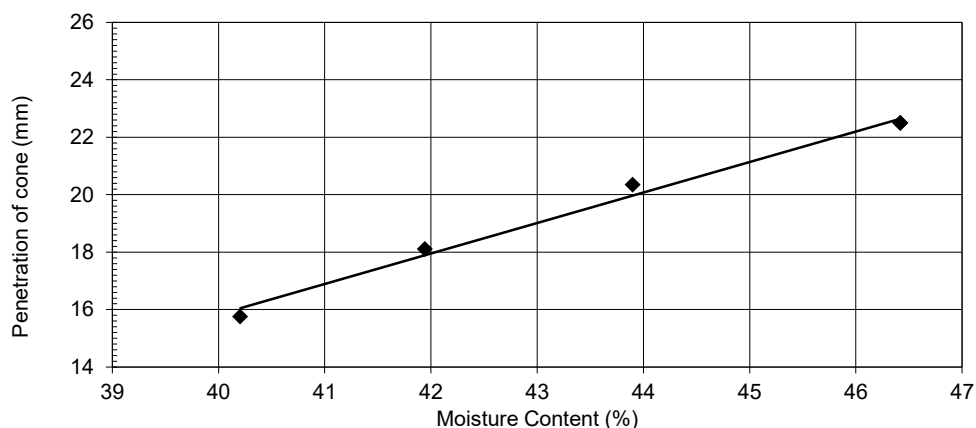
Description:

Brown mottled greyish brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014) 24.4 %
Estimated percentage passing 425µm sieve : 100 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 44 %
Plastic Limit : 16 %
Plasticity Index : 28 %

Equivalent Water Content of material passing 425µm sieve : 24.4 %
Liquidity Index : 0.30



Tested by AD
Checked and Approved by

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM
41623

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LIQUID AND PLASTIC LIMITS

Location TP360
Depth (m) 1.00
Sample Type D

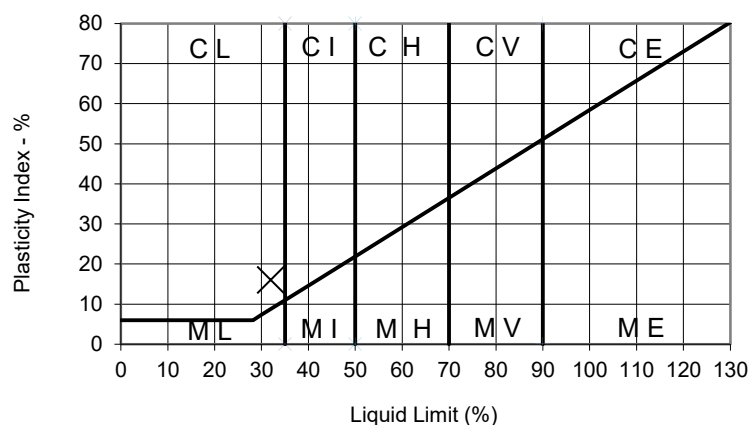
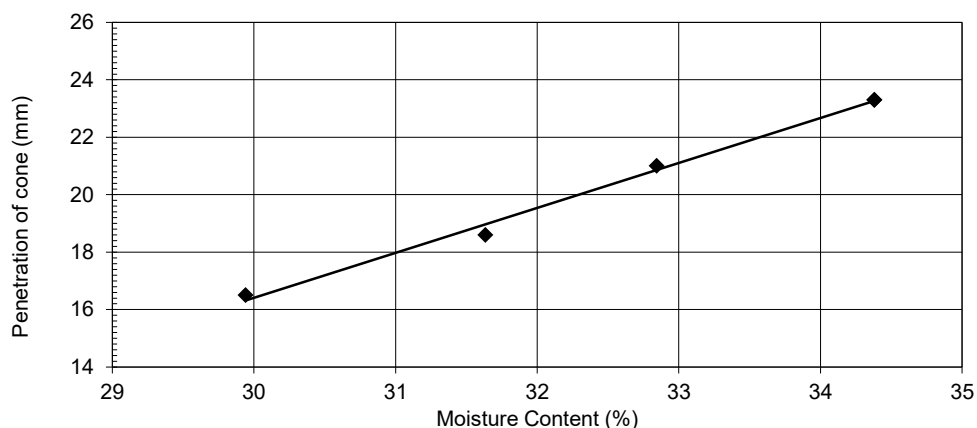
Description:

Brown mottled orange, light grey and dark brown very sandy
CLAY with rare fine gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014) 22.0 %
Estimated percentage passing 425µm sieve : 99 %
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content : 32 %
Plastic Limit : 16 %
Plasticity Index : 16 %

Equivalent Water Content of material passing 425µm sieve : 22.3 %
Liquidity Index : 0.39



Tested by AD
Checked and Approved by

J A Reynolds

J A Reynolds - Director
19/11/2021

Project Number:

GEO / 34197

Project Name:

**HOGWOOD FARM
41623**

GEOLABS



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Eastwood and Partners (Consulting Engineers) Limited

Gander Down Barns
Rodfield Lane
Ovington
Alresford
SO24 0HS

15 December 2023

Report No : GEO/39421/01

Page 1 of 1

For the attention of Ms M Ebling

Our ref **GEO / 39421**

Your Ref **41623**

Date samples received 06/11/2023

Date written instructions received 29/11/2023

Date testing commenced 30/11/2023

Date of sample disposal 12/01/2024

Project **FINCHAMPSTEAD - PARCEL 15**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	7	Water Content
~	7	Liquid & Plastic Limits
2	~	Geochemical Test Summary
~	7	BRE SD1 Suite B - Natural ground + pyrite

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All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**



S Burke
Senior Technician

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 +A1:2022 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP701	1.00		D	Orangish brown and greyish brown slightly gravelly sandy silty CLAY. Gravel is fine.	18.1	32	14	18	99	CL	2	1
TP702	2.00		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY.	26.3	60	25	35	99	CH	2	1
TP706	2.70		D	Brown and orangish brown slightly fine sandy CLAY.	25.5	56	23	33	100	CH	2	1
TP707	0.90		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine.	21.0	39	16	23	99	CI	2	1
TP707	1.40		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine.	24.0	58	24	34	99	CH	2	1
TP710	1.50		D	Orangish brown and greyish brown sandy silty CLAY.	28.3	50	19	31	100	CI	2	1
TP711	1.10		D	Orangish brown and greyish brown fine sandy silty CLAY.	23.9	42	23	19	100	CI	2	1

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

Checked and Approved by:

*S Burke*S Burke - Senior Technician
15/12/2023

Project Number:

GEO / 39421

Project Name:

FINCHAMPSTEAD - PARCEL 15
41623

GEOLABS®



SUMMARY OF CHEMICAL TESTS ON SOIL

Location	Depth m	Sample Ref	Sample Type	pH Value	Total Acid Soluble Sulphate as SO ₄ %	Water Soluble Sulphate as SO ₄ 2:1 Water:Soil Extract g/l	Total Sulphur %	Water Soluble Chloride g/l	Water Soluble Nitrate g/l	Magnesium g/l	Organic Content %	Mass Loss on Ignition %	Carbonate Content %
TP701	1.00		D	8.4	< 0.010	< 0.010	0.010	-	-	-	-	-	-
TP702	2.00		D	8.2	0.014	< 0.010	< 0.010	-	-	-	-	-	-
TP706	2.70		D	8.4	< 0.010	0.019	0.015	-	-	-	-	-	-
TP707	0.90		D	8.5	0.019	0.023	0.029	-	-	-	-	-	-
TP707	1.40		D	8.3	0.010	< 0.010	0.014	-	-	-	-	-	-
TP710	1.50		D	7.6	0.033	< 0.010	0.050	-	-	-	-	-	-
TP711	1.10		D	7.6	< 0.010	< 0.010	< 0.010	-	-	-	-	-	-

Tested by Eurofins Chemtest Ltd : MCERTS / UKAS No 2183

Checked and Approved by:



S Burke - Senior Technician
15/12/2023

Project Number:

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**FINCHAMPSTEAD - PARCEL 15
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26 September 2024

Report No : GEO/41200/01

Page 1 of 1

For the attention of Mr A Luxman

Our ref	GEO / 41200	Date samples received	04/09/2024
Your ref	41623	Date written instructions received	10/09/2024
Order ref	41623	Date testing commenced	11/09/2024
		Date of sample disposal	24/10/2024

Project **FINCHWOOD PARK DEVELOPMENT, PHASE 3, HOGWOOD FARM, FINCHAMPSTEAD**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	6	Water Content
~	6	Liquid & Plastic Limits

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**



S Burke
Senior Technician

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 +A1:2022 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TPA(P16)	1.00	D1	D	Grey mottled orangish brown sandy gravelly silty CLAY. Gravel is fine to medium.	18.9	31	16	15	82	CL	2	3
TPB(P16)	1.50	D1	D	Greyish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium.	26.4	56	26	30	99	CH	2	1
TPB(P16)	2.40	D2	D	Greyish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium.	26.5	54	23	31	99	CH	2	1
TPD(P16)	0.90	D1	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine to medium.	23.3	48	18	30	100	CI	2	1
TPD(P16)	2.00	D2	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine.	23.9	42	20	22	100	CI	2	1
TPE(P16)	1.20	D1	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine.	22.7	41	20	21	100	CI	2	1

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

Checked and Approved by:

*S Burke*S Burke - Senior Technician
26/09/2024

Project Number:

GEO / 41200

Project Name:

FINCHWOOD PARK DEVELOPMENT, PHASE 3, HOGWOOD FARM,
FINCHAMPSTEAD
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