PATRICK PARSONS
CREATING PLACES FOR FUTURE GENERATIONS TO THRIVE

Our ref: THF-PPC-00-XX-RP-G-0006 -HA/10066/Topsoil_Validation_Plots 04

Cindy Westbrook
Whiteoak Developments Ltd
The Canons
Furnace Farm Road
Felbridge
East Grinstead
RH19 2PU

15 August 2024

Dear Cindy,

TOPSOIL CAPPING VALIDATION REPORT - PLOT 04
THREALS FARM, WEST CHILTINGTON

Introduction

Further to your recent instruction Patrick Parsons (PP) have reviewed the capping construction on Plot 4 at Threals Farm, West Chiltington. The details of the successful completion of these works are recorded within this report.

We have reviewed the previously submitted Remediation Method Statement (RMS) undertaken by Patrick Parsons reference: THF-PPC-00-XX-RP-G-0004 – Remediation Method Statement for Threals Farm, Pulborough, dated March 2023. A contamination source was identified and, as such 600mm of suitable topsoil/subsoil was recommended in all private gardens.

The proposed scheme of validation included a depth check of the capping thickness with soil samples taken of the topsoil and subsoil for laboratory testing to confirm that the soils were clean and suitable for a residential with home-grown produce end-use.

Validation and Testing

Patrick Parsons attended site on 08 August 2024 to undertake the topsoil validation testing in the private gardens of Plot 04 at the above site to confirm that the emplaced topsoil/subsoil material is of the required thickness (600mm) and chemically validate the topsoil and subsoils to confirm that it is suitable for a residential with home-grown produce end-use as outlined within the RMS. A photographic record is included within this report for reference. The topsoil comprised a brown slightly clayey sand. This topsoil layer was at least 150mm in thickness and suitable as a growing medium. Below the topsoil, subsoil was recorded and was described as an orangish brown slightly gravelly slightly silty sand with quartzite.

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Representative samples of topsoil and subsoil placed in the private garden areas were obtained on the visit and were submitted for laboratory analysis, testing including asbestos, metals, TPHs and PAHs. The results have been assessed against the PP GACs for a residential with home-grown produce end-use at a SOM of 2.5%. All tested determinants were recorded to be below the appropriate GAC. Therefore, it is considered that the soils are composed of chemically suitable materials and that these soils do not pose a risk to human health, thus are suitable for use. The chemical analysis results, and GACs are included for reference.

Conclusions

The emplaced topsoil and subsoil material has been assessed and it is considered that these soils do not pose a risk to Human Health and is of the required minimum thickness of 600mm and thus is suitable to act as clean cover for the proposed development. The topsoil validation has been appended by photographic evidence of the relevant 600mm of imported topsoil/subsoil.

This validation letter should be sufficient to confirm the validation has been successfully completed and should be submitted to the appropriate regulators for approval.
We trust the above is suitable for your current requirements, should you have any queries please do not hesitate to contact us.

Yours sincerely

[redacted]

Hugh Alder
Senior Engineer

enc.

PP GAC Residential end use with home-grown produce
10066 Chemical Analyses (Report: L24/07301/PAT - 24-48462)
Photographic Record

PATRICK PARSONS
CREATING PLACES FOR FUTURE GENERATIONS TO THRIVE

Generic Assessment Critera

		Residential with Homegrown Produce			Residential without Homegrown Produce			Allotments			Commercial			Public Open Space Near Residential Housing			Public Open Space Park		
	SOM %	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6
Metals and Inorganics (non SOM dependent)	Arsenic		37			40			43			640			79			170	
	Beryllium		1.7			1.7			35			12			2.2			63	
	Boron		290			11000			45			240000			21000			46000	
	Cadmium		11			85			1.9			190			120			555	
	Chromium (III)		910			910			18000			8600			1500			33000	
	Chromium (VI) (Hexavalent)		6			6			1.8			33			7.7			220	
	Copper		2400			7100			520			68000			12000			44000	
	Elemental Mercury		1.2			1.2			21			58			16			30	
	Inorganic Mercury		40			56			19			1100			120			240	
	Methylmercury		11			15			6			320			40			68	
	Lead		200			310			80			2300			630			1300	
	Nickel		130			180			53			980			230			800	
	Selenium		250			430			88			12000			1100			1800	
	Vanadium		410			1200			91			9000			2000			5000	
	Zinc		3700			40000			620			730000			81000			170000	
Polyaromatic Hydrocarbons	Acenaphthene	210	510	1100	3000	4700	6000	34	85	200	84000	97000	100000	15000	15000	15000	29000	30000	30000
	Acenaphthylene	170	420	920	2900	4600	6000	28	69	160	83000	97000	100000	15000	15000	15000	29000	30000	30000
	Anthracene	2400	5400	11000	31000	35000	37000	380	950	2200	520000	540000	540000	74000	74000	74000	150000	150000	150000
	Benzo[a]anthracene	7.2	11	13	11	14	15	2.9	6.5	13	170	170	180	29	29	29	49	56	62
	Benzo[a]pyrene	2.2	2.7	3	3.2	3.2	3.2	0.97	2.0	3.5	35	35	36	5.7	5.7	5.7	11	12	13
	Benzo[b]fluoranthene	2.6	3.3	3.7	3.9	4.0	4.0	0.99	2.1	3.9	44	44	45	7.1	7.2	7.2	13	15	16
	Benzo[ghi]perylene	320	340	350	360	360	360	290	470	640	3900	4000	4000	640	640	640	1400	1500	1600
	Benzo[k]fluoranthene	77	93	100	110	110	110	37	75	130	1200	1200	1200	190	190	190	370	410	440
	Chrysene	15	22	27	30	31	32	4.1	9.4	19	350	350	350	57	57	57	93	110	120
	Dibenz[ah]anthracene	0.24	0.28	0.3	0.31	0.32	0.32	0.14	0.27	0.43	3.5	3.6	3.6	0.57	0.57	0.58	1.1	1.3	1.4
	Fluoranthene	280	560	890	1500	1600	1600	52	130	290	23000	23000	23000	3100	3100	3100	6300	6300	6400
	Fluorene	170	400	860	2800	3800	4500	27	67	160	63000	68000	71000	9900	9900	9900	20000	20000	20000
	Indeno[123-cd]pyrene	27	36	41	45	46	46	9.5	21	39	500	510	510	82	82	82	150	170	180
	Naphthalene	2.3	5.6	13	2.3	5.6	13	4.1	10	24	190	460	1100	4900	4900	4900	1200	1900	3000
	Phenanthrene	95	220	440	1300	1500	1500	15	38	90	22000	22000	23000	3100	3100	3100	6200	6200	6300
	Pyrene	620	1200	2000	3700	3800	3800	110	270	620	54000	54000	54000	7400	7400	7400	15000	15000	15000
	Coal Tar (B[a]P as surrogate marker)	0.79	0.98	1.1	1.2	1.2	1.2	0.32	0.67	1.2	15	15	15	2.2	2.2	2.2	4.4	4.7	4.8
Petroleum Hydrocarbons	Benzene	0.087	0.17	0.37	0.38	0.7	1.4	0.017	0.034	0.075	27	47	90	72	72	73	90	100	110
	Toluene	130	290	660	880	1900	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Ethylbenzene	47	110	260	83	190	440	16	39	91	5700	13000	27000	24000	24000	25000	17000	22000	27000
	m-Xylene	59	140	320	82	190	450	31	74	170	6200	14000	31000	41000	42000	43000	17000	24000	32000
	o-Xylene	60	140	330	88	210	480	28	67	160	6600	15000	33000	41000	42000	43000	17000	24000	33000
	p-Xylene	56	130	310	79	180	430	29	69	160	5900	14000	30000	41000	42000	43000	17000	23000	31000
	Aliphatic EC 5-6	42	78	160	42	78	160	730	1700	3900	3200	5900	12000	570000	590000	600000	95000	130000	180000
	Aliphatic EC >6-8	100	230	530	100	230	530	2300	5600	13000	7800	17000	40000	600000	610000	620000	150000	220000	320000
	Aliphatic EC >8-10	27	65	150	27	65	150	320	770	1700	2000	4800	11000	13000	13000	13000	14000	18000	21000
	Aliphatic EC >10-12	130	330	760	130	330	770	2200	4400	7300	9700	23000	47000	13000	13000	13000	21000	23000	24000
	Aliphatic EC >12-16	1100	2400	4300	1100	2400	4400	11000	13000	13000	59000	82000	90000	13000	13000	13000	25000	25000	26000
	Aliphatic EC >16-35	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aliphatic EC >35-44	65000	92000	110000	65000	92000	110000	260000	270000	270000	1600000	1700000	1800000	250000	250000	250000	450000	480000	490000
	Aromatic EC 5-7 (benzene)	70	140	300	370	690	1400	13	27	57	26000	46000	86000	56000	56000	56000	76000	84000	92000
	Aromatic EC >7-8 (toluene)	130	290	660	860	1800	3900	22	51	120	56000	110000	180000	56000	56000	56000	87000	95000	100000
	Aromatic EC >8-10	34	83	190	47	110	270	8.6	21	51	3500	8100	17000	5000	5000	5000	7200	8500	9300
	Aromatic EC >10-12	74	180	380	250	590	1200	13	31	74	16000	28000	34000	5000	5000	5000	9200	9700	10000
	Aromatic EC >12-16	140	330	660	1800	2300	2500	23	57	130	36000	37000	38000	5100	5100	5000	10000	10000	10000
	Aromatic EC >16-21	260	540	930	1900	1900	1900	46	110	260	28000	28000	28000	3800	3800	3800	7600	7700	7800
	Aromatic EC >21-35	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Aromatic EC >35-44	1100	1500	1700	1900	1900	1900	370	820	1600	28000	28000	28000	3800	3800	3800	7800	7800	7900
	Petroleum Hydrocarbons EC >44-70	1600	1800	1900	1900	1900	1900	1200	2100	3000	28000	28000	28000	3800	3800	3800	7800	7800	7900

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7 - 11 Harding Street
Leicester
LE1 4DH

Patrick Parsons
40 St Pauls Square
Jewellery Quarter
Birmingham
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Analytical Test Report: L24/07301/PAT - 24-48462

Your Project Reference:	**Threals Farm 10066**		
Your Order Number:	3056	Samples Received / Instructed:	08/08/2024 / 08/08/2024
Report Issue Number:	1	Sample Tested:	08/08 to 14/08/2024
Samples Analysed:	4 samples	Report issued:	14/08/2024

Signed

James Gane
Analytical Services Manager
CTS Group

Notes:

General

Please refer to Methodologies page for details pertaining to the analytical methods undertaken.

Samples will be retained for 14 days after issue of this report with the exception of the asbestos test portion which is held for 6 months unless otherwise requested.

Moisture Content was determined in accordance with CTS method statement MS - CL - Sample Prep, oven dried at <30°C.

Moisture Content is reported as a percentage of the dry mass of soil, this calculation is in accordance with BS1377, Part 2, 1990, Clause 3.2

Stone Content was determined in accordance with CTS method statement MS - CL - Sample Prep and refers to the percentage of stones retained on a 10mm BS test sieve.

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Samples were supplied by customer, results apply to the samples as received.

Asbestos

Please note: Where futher analaysis is required samples identified as containing asbestos are screened and tested on an as recevied basis. No correction is made for moisture content and these results are not covered by our accrediation

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Deviating Samples

On receipt samples are compared against our sample holding and handling protocols, where any deviations have been noted these are reported on our deviating sample page (if present)

Accreditation Key

UKAS = UKAS Accreditation, MCERTS = MCERTS Accreditation, u = Unaccredited, subUKAS - Subcontracted to a laboratory UKAS accredited for this test, subMCERTS - Subcontracted to a laboratory MCERTS accredited for this test

MCERTS Accreditation only covers the SAND, CLAY and LOAM matrices

Date of Issue: 08.08.2024

Issued by: J. Gane

Issue No: 4

Rev No: 11

CONSTRUCTION TESTING SOLUTIONS
A PHENNA GROUP COMPANY

7 - 11 Harding Street
Leicester
LE1 4DH

L24/07301/PAT - 24-48462

Project Reference - Threals Farm 10066

Analytical Test Results - Solid

Lab Reference			388742	388743	388744	388745
Client Sample ID			TS	SS	TS	SS
Client Sample Location			PLOT 4A	PLOT 4A	PLOT 4B	PLOT 4B
Client Sample Type			SOIL	SOIL	SOIL	SOIL
Client Sample Number			-	-	-	-
Depth - Top (m)			0.10	0.60	0.10	0.60
Depth - Bottom (m)			0.10	0.60	0.10	0.60
Date of Sampling			08/08/2024	08/08/2024	08/08/2024	08/08/2024
Time of Sampling			-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay
Determinant	**Units**	**Accreditation**				
Arsenic	(mg/kg)	MCERTS	13	15	13	16
Cadmium	(mg/kg)	MCERTS	0.7	0.6	0.7	0.6
Chromium (Total)	(mg/kg)	UKAS	13	7.6	12	4.0
Copper	(mg/kg)	MCERTS	29	19	30	12
Lead	(mg/kg)	MCERTS	100	48	100	12
Mercury	(mg/kg)	UKAS	< 2.5	< 2.5	< 2.5	< 2.5
Nickel	(mg/kg)	MCERTS	16	32	17	41
Selenium	(mg/kg)	u	< 8.0	< 8.0	< 8.0	< 8.0
Zinc	(mg/kg)	MCERTS	130	74	120	46
Total Phenols	(mg/kg)	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Cyanide (Total)	(mg/kg)	MCERTS	< 1.0	< 1.0	1.4	< 1.0
Cyanide (Free)	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0
Chromium (Hexavalent)	(mg/kg)	u	1.2	< 1.0	1.8	< 1.0
Sulphate (Acid Soluble)	(%)	u	0.16	0.04	0.16	0.01
pH	pH Units	MCERTS	7.5	7.6	7.6	7.3
Sulphate (Water soluble as SO_4)	(mg/l)	u	450	74	460	64
Acenaphthene	(mg/kg)	MCERTS	< 0.04	< 0.04	0.05	< 0.04
Acenaphthylene	(mg/kg)	UKAS	0.08	< 0.04	0.09	< 0.04
Anthracene	(mg/kg)	UKAS	0.18	< 0.04	0.27	< 0.04
Benzo (a) anthracene	(mg/kg)	MCERTS	0.67	< 0.04	0.91	< 0.04
Benzo (a) pyrene	(mg/kg)	MCERTS	0.75	< 0.04	1.0	< 0.04
Benzo (b) fluoranthene	(mg/kg)	MCERTS	1.1	< 0.04	1.5	< 0.04
Benzo (g, h, i) perylene	(mg/kg)	MCERTS	0.58	< 0.04	0.76	< 0.04
Benzo (k) fluoranthene	(mg/kg)	MCERTS	0.38	< 0.04	0.47	< 0.04
Chrysene	(mg/kg)	MCERTS	0.63	< 0.04	0.87	< 0.04
Dibenzo (a,h) anthracene	(mg/kg)	MCERTS	0.13	< 0.04	0.17	< 0.04
Fluoranthene	(mg/kg)	MCERTS	1.2	< 0.04	1.7	< 0.04
Fluorene	(mg/kg)	MCERTS	0.05	< 0.04	0.07	< 0.04
Indeno (1, 2, 3,-cd) pyrene	(mg/kg)	MCERTS	0.47	< 0.04	0.61	< 0.04
Naphthalene	(mg/kg)	MCERTS	< 0.04	< 0.04	< 0.04	< 0.04
Phenanthrene	(mg/kg)	MCERTS	0.45	< 0.04	0.71	< 0.04
Pyrene	(mg/kg)	MCERTS	1.1	< 0.04	1.5	< 0.04
Total PAH (Sum of USEPA 16)	(mg/kg)	UKAS	7.9	< 0.64	11	< 0.64
TOC	(%)	MCERTS	2.5	1.0	2.4	< 0.5
Asbestos	-	UKAS	No asbestos detected	No asbestos detected	No asbestos detected	No asbestos detected

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7 - 11 Harding Street
Leicester
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L24/07301/PAT - 24-48462

Project Reference - Threals Farm 10066

Analytical Test Results - VPH / EPH

Lab Reference			388742	388743	388744	388745
Client Sample ID			TS	SS	TS	SS
Client Sample Location			PLOT 4A	PLOT 4A	PLOT 4B	PLOT 4B
Client Sample Type			SOIL	SOIL	SOIL	SOIL
Client Sample Number			-	-	-	-
Depth - Top (m)			0.10	0.60	0.10	0.60
Depth - Bottom (m)			0.10	0.60	0.10	0.60
Date of Sampling			08/08/2024	08/08/2024	08/08/2024	08/08/2024
Time of Sampling			-	-	-	-
Sample Matrix			Clay	Clay	Clay	Clay
Determinant	**Units**	**Accreditation**				
Benzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Toluene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Ethylbenzene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
m&p Xylene	(mg/kg)	MCERTS	< 0.02	< 0.02	< 0.02	< 0.02
o-Xylene	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
MTBE	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C_5 to C_6 [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C_6 to C_8 [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	0.15	< 0.06
Aliphatic >C_8 to C_{10} [HS_MS_1D_AL]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aliphatic >C_{10} to C_{12} [EH_2D_AL]	(mg/kg)	u	1.6	< 1.0	1.5	< 1.0
Aliphatic >C_{12} to C_{16} [EH_2D_AL]	(mg/kg)	u	3.3	1.2	3.1	1.6
Aliphatic >C_{16} to C_{21} [EH_2D_AL]	(mg/kg)	u	8.7	1.4	8.1	1.2
Aliphatic >C_{21} to C_{35} [EH_2D_AL]	(mg/kg)	u	85	9.1	78	5.6
Aliphatic >C_{35} to C_{44} [EH_2D_AL]	(mg/kg)	u	38	< 5.0	20	< 5.0
Aromatic >C_5 to C_7 [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C_7 to C_8 [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C_8 to C_{10} [HS_MS_1D_AR]	(mg/kg)	MCERTS	< 0.06	< 0.06	< 0.06	< 0.06
Aromatic >C_{10} to C_{12} [EH_2D_AR]	(mg/kg)	u	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic >C_{12} to C_{16} [EH_2D_AR]	(mg/kg)	u	2.9	< 1.0	2.8	< 1.0
Aromatic >C_{16} to C_{21} [EH_2D_AR]	(mg/kg)	u	7.5	2.1	9.4	2.0
Aromatic >C_{21} to C_{35} [EH_2D_AR]	(mg/kg)	u	68	9.8	72	4.0
Aromatic >C_{35} to C_{44} [EH_2D_AR]	(mg/kg)	u	29	< 5.0	18	< 5.0
Total >C_5 to C_{35} [EH_2D+HS_1D_Total]	(mg/kg)	u	180	24	170	14

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L24/07301/PAT - 24-48462

Project Reference - Threals Farm 10066

Sample Descriptions

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Description	Moisture Content (%)	Stone Content (%)	Passing 2mm test sieve (%)
388742	TS	PLOT 4A	SOIL	-	Brown slightly gravelly slightly sandy silty clay	17	0.7	100
388743	SS	PLOT 4A	SOIL	-	Brown slightly gravelly slightly sandy silty clay	15	6.7	100
388744	TS	PLOT 4B	SOIL	-	Brown slightly gravelly slightly sandy silty clay	15	6.5	100
388745	SS	PLOT 4B	SOIL	-	Brown slightly gravelly slightly sandy silty clay	18	0.5	100

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Project Reference - Threals Farm 10066

Sample Comments

Lab Reference	Client Sample ID	Client Sample Location	Client Sample Type	Client Sample Number	Comments
388742	TS	PLOT 4A	SOIL	-	VPH/BTEX - Sample taken from container with headspace.
388743	SS	PLOT 4A	SOIL	-	VPH/BTEX - Sample taken from container with headspace.
388744	TS	PLOT 4B	SOIL	-	
388745	SS	PLOT 4B	SOIL	-	

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Project Reference - Threals Farm 10066

Analysis Methodologies

Test Code	Test Name / Reference	Sample condition for analysis	Sample Preperation	Test Details
ANIONSS	MS - CL - Anions by Aquakem (2:1Extract)	Oven dried	Passing 2mm test sieve	Determination of Anions (inc Sulphate, chloride etc.) in soils by Aquakem. Analysis is based on a 2:1 water to soil extraction ratio
SKALARCNS	MS - CL - Cyanide by Skalar	As received	Passing 10mm test sieve	Determination of cyanide (total / free / complex) in soil using a Skalar segmented flow analyser
SKALARHCS	MS - CL - Hexavalent Chromium by Skalar	As received	Passing 10mm test sieve	Determination of hexavalent chromium in soil using Skalar segmented flow analyser
ICPMETS	MS - CL - ICP Metals	Air dried	Passing 10mm test sieve	Determination of metals in soils via ICP
PHS	MS - CL - pH in Soils	As received	Passing 10mm test sieve	Determination of pH in soils using a pH probe (using a 1:3 soil to water extraction)
PAHASRDS	MS - CL - PAH (As Received)	As received	Passing 10mm test sieve	Determination of Polyaromatic hydrocarbons in soil via GC-MS
SKALARPHS	MS - CL - Phenols by Skalar	As received	Passing 10mm test sieve	Determination of total phenols in soil using Skalar segmented flow analyser
ASSO4S	MS - CL - Acid Soluble Sulphate	Oven Dried	Passing 2mm test sieve	Determination of total sulphate in soils by acid extraction followed by ICP analysis
TOCS	MS - CL - TOC Eltra	Air Dried	Passing 10mm test sieve	Determination of Total Organic Carbon in soils
GCXGCS	MS - CL - TPH & EPH by GCXGC	As received	Passing 10mm test sieve	Determination of TPH and EPH in soils via GCxGC-FID
CWGS	Calculation from VPH-S and EPH-S	As received	Passing 10mm test sieve	Determination of TPH CWG (Volatile Petroleum Hydrocarbons and Extractable Petroleum Hydrocarbons) in soils via Headspace-GC-MS and GC-GC-FID respectively
VPHS	MS - CL - VPH	As received	Passing 10mm test sieve	Determination of VPH in soils via Headspace-GC-MS
ASB	MS - AS - Asbestos	-	-	Fibre identification is in accordance with in house documented methods which are based on the procedure documented in the HSE Document HSG 248 "Asbestos: The analysts guide for sampling, analysis and clearance procedures"
SAMPLEPREP	MS - CL - Sample Preparation	-	-	Preparation of samples (including determination of moisture content) to allow for subsequent analysis

4161

CONSTRUCTION TESTING SOLUTIONS
A PHENNA GROUP COMPANY

7 - 11 Harding Street
Leicester
LE1 4DH

L24/07301/PAT - 24-48462

Project Reference - Threals Farm 10066

HWOL TPH Acronym Index

Acronym	Description
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics and Aromatics
AL	Aliphatics Only
AR	Aromatics Only
2D	GC-GC - Double Coil Gas Chromatography
#1	EH_Total but with humics mathmatically subtracted
#2	EH_Total but with fatty acids mathmatically subtracted
_	Operator - underscore to separate acronyms (except for +)
+	Operator to indicate cumlative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry







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Project: Threals Farm	Title: Plot 4A	Design/drawn: CRS	Checked: CRS
		Drawing no: N/A	Rev. N/A







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Project: Threals Farm	Title: Plot 4B	Design/drawn: CRS	Checked: CRS
		Drawing no: N/A	Rev. N/A