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2683

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	17-12928
Issue:	1
Date of Issue:	07/07/2017
Contact:	Malcolm Price
Customer Details:	Risk Management Ltd Unit 8 Paddock Barn Farm Caterham SurrevCR3 6SF
Quotation No:	Q14-00012
Order No:	RML 6443
Customer Reference:	RML 6443
Date Received:	04/07/2017
Date Approved:	07/07/2017
Details:	1190 Uxbridge Road, Hayes UB4 8JE
Approved by:	

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

Sample Summary

Report No.: 17-12928

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
105108	BH2 D7 2.70	03/07/2017	04/07/2017	Sand	
105109	S1 D1 0.30 - 0.50	03/07/2017	04/07/2017	Sandy silty loam	
105110	S2 D1 0.50 - 0.70	03/07/2017	04/07/2017	Loamy sand	

Results Summary

Report No.: 17-12928

ELAB Reference	105108	105109	105110
Customer Reference	D7	D1	D1
Sample ID			
Sample Type	SOIL	SOIL	SOIL
Sample Location	BH2	S1	S2
Sample Depth (m)	2.70	0.30 - 0.50	0.50 - 0.70
Sampling Date	03/07/2017	03/07/2017	03/07/2017

Determinand	Codes	Units	LOD			
Metals						
Arsenic	M	mg/kg	1	13.5	10.6	9.2
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	25.1	21.8	24.4
Copper	M	mg/kg	5	20.1	17.0	16.3
Lead	M	mg/kg	5	87.0	71.7	58.5
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	22.9	14.5	18.4
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	57.1	43.3	41.2
Inorganics						
Free Cyanide	N	mg/kg	1	< 1.0	< 1.0	< 1.0
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Miscellaneous						
Moisture Content	N	%	0.1	14.0	9.4	9.3
pH	M	pH units	0.1	9.9	10.7	9.9
Stones Content	N	%	0.1	33.9	38.7	35.9
Phenols						
Phenol	M	mg/kg	1	< 1	< 1	< 1
M,P-Cresol	N	mg/kg	1	< 1	< 1	< 1
O-Cresol	N	mg/kg	1	< 1	< 1	< 1
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	< 1
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	< 1
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	< 1
Total Monohydric Phenols	N	mg/kg	5	< 5	< 5	< 5
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1	8.6	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	5.9	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	2.6	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	7.2	0.5	0.1
Anthracene	M	mg/kg	0.1	3.9	0.2	< 0.1
Fluoranthene	M	mg/kg	0.1	0.4	1.0	0.4
Pyrene	M	mg/kg	0.1	0.3	0.9	0.4
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	0.6	0.2
Chrysene	M	mg/kg	0.1	0.3	0.6	0.3
Benzo (b) fluoranthene	M	mg/kg	0.1	< 0.1	0.5	0.3
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2	0.7	0.3
Benzo (a) pyrene	M	mg/kg	0.1	< 0.1	0.6	0.3
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	< 0.1	0.5	0.2
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	0.5	0.3
Total PAH(16)	M	mg/kg	0.4	29.6	6.9	2.9

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Results Summary

Report No.: 17-12928

			ELAB Reference	105108	105109	105110
			Customer Reference	D7	D1	D1
			Sample ID			
			Sample Type	SOIL	SOIL	SOIL
			Sample Location	BH2	S1	S2
			Sample Depth (m)	2.70	0.30 - 0.50	0.50 - 0.70
			Sampling Date	03/07/2017	03/07/2017	03/07/2017
Determinand	**Codes**	**Units**	**LOD**			
BTEX						
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0
TPH CWG						
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	25.1	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	105	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	408	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	336	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	63.1	< 1.0	14.1
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	4.9
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	1.6	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	23.2	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	159	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	170	< 1.0	1.1
>C21-C35 Aromatic	N	mg/kg	1	32.1	< 1.0	27.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	< 1.0	13.1
Total (>C5-C40) Ali/Aro	N	mg/kg	1	1320	< 1.0	60.2

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Results Summary

Report No.: 17-12928

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
105108	2.70	BH2 D7	Brown soil, stones, concrete	No asbestos detected	n/t	n/t	n/t	n/t
105109	0.30 - 0.50	S1 D1	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
105110	0.50 - 0.70	S2 D1	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

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Method Summary

Report No.: 17-12928

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Free cyanide	N	As submitted sample	06/07/2017	107	Colorimetry
Hexavalent chromium	N	As submitted sample	06/07/2017	110	Colorimetry
pH	M	Air dried sample	06/07/2017	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	06/07/2017	118	ICPMS
Phenols in solids	M	As submitted sample	06/07/2017	121	HPLC
PAH (GC-FID)	M	As submitted sample	05/07/2017	133	GC-FID
BTEX in solids	M	As submitted sample	06/07/2017	181A	GC-MS
Total cyanide	M	As submitted sample	06/07/2017	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	05/07/2017	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	06/07/2017	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	05/07/2017	214	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	06/07/2017	214	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	06/07/2017	214	GC-MS
Asbestos identification	U	As submitted sample	07/07/2017	PMAN	Microscopy

Tests marked N are not UKAS accredited

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Report Information

Report No.: 17-12928

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30 °C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	17-13052
Issue:	1
Date of Issue:	17/07/2017
Contact:	Malcolm Price
Customer Details:	Risk Management Ltd Unit 8 Paddock Barn Farm Caterham SurrevCR3 6SF
Quotation No:	Q14-00012
Order No:	RML 6443
Customer Reference:	RML 6443
Date Received:	11/07/2017
Date Approved:	17/07/2017
Details:	1190 Uxbridge Road, Hayes UB4 8JE
Approved by:	

John Wilson, Operations Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683

Sample Summary

Report No.: 17-13052

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
105985	BH3 D3 1.00	05/07/2017	11/07/2017	Silty loam	
105986	S3 D1 0.60 - 0.80	05/07/2017	11/07/2017	Sandy clayey loam	
105987	S4 D1 0.20 - 0.30	05/07/2017	11/07/2017	Sand + stones	
105988	BH1 D4 1.50	07/07/2017	11/07/2017	Sandy loam	
105989	S5 D1 0.20 - 0.30	07/07/2017	11/07/2017	Loamy sand + stones	
105990	S6 D1 0.50 - 0.70	07/07/2017	11/07/2017	Silty loam	
105991	BH1 D9 4.00	07/07/2017	11/07/2017	Sandy loam	

ELAB

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Results Summary

Report No.: 17-13052

ELAB Reference			105985	105986	105987	105988	105989	105990	105991
Customer Reference			D3	D1	D1	D4	D1	D1	D9
Sample ID									
Sample Type			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location			BH3	S3	S4	BH1	S5	S6	BH1
Sample Depth (m)			1.00	0.60 - 0.80	0.20 - 0.30	1.50	0.20 - 0.30	0.50 - 0.70	4.00
Sampling Date			05/07/2017	05/07/2017	05/07/2017	07/07/2017	07/07/2017	07/07/2017	07/07/2017
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	9.4	11.6	^ 12.2	10.9	^ 18.6	36.8	11.5
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	^ < 0.5	< 0.5	^ < 0.5	0.6	< 0.5
Chromium	M	mg/kg	5	22.7	27.5	^ 36.8	23.3	^ 28.8	34.8	28.8
Copper	M	mg/kg	5	36.1	24.9	^ 23.8	16.4	^ 20.4	101	15.0
Lead	M	mg/kg	5	29.3	54.0	^ 122	65.5	^ 108	750	35.6
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	^ < 0.5	< 0.5	^ < 0.5	1.0	< 0.5
Nickel	M	mg/kg	5	11.1	15.3	^ 15.5	14.2	^ 18.4	49.8	20.4
Selenium	M	mg/kg	1	< 1.0	< 1.0	^ < 1.0	< 1.0	^ < 1.0	1.3	< 1.0
Zinc	M	mg/kg	5	54.6	71.2	^ 60.3	42.5	^ 69.2	250	38.1
Inorganics									
Free Cyanide	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	^ < 1.0	< 1.0	^ < 1.0	< 1.0	< 1.0
Miscellaneous									
Moisture Content	N	%	0.1	19.8	14.8	6.3	10.4	11.1	20.5	10.6
pH	M	pH units	0.1	7.3	8.5	^ 11.7	10.3	^ 11.1	8.9	8.5
Stones Content	N	%	0.1	12.1	19.9	24.2	25.6	26.9	< 0.1	25.2
Phenols									
Phenol	M	mg/kg	1	< 1	< 1	^ < 1	< 1	^ < 1	< 1	< 1
M,P-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
O-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	^ < 1	< 1	^ < 1	< 1	< 1
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	^ < 1	< 1	^ < 1	< 1	< 1
Total Monohydric Phenols	N	mg/kg	5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	< 0.1	^ < 0.1	0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	0.4	^ < 0.1	0.2	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	0.3	^ < 0.1	0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	0.3	^ < 0.1	0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	^ 0.3	3.8	^ 0.3	1.6	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	1.3	^ < 0.1	0.4	< 0.1
Fluoranthene	M	mg/kg	0.1	< 0.1	0.1	^ 0.7	12.5	^ 0.9	5.1	< 0.1
Pyrene	M	mg/kg	0.1	< 0.1	< 0.1	^ 0.6	10.9	^ 0.8	4.5	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	^ 0.4	6.7	^ 0.5	2.8	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1	< 0.1	^ 0.4	7.6	^ 0.5	3.4	< 0.1
Benzo (b) fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	8.2	^ 0.6	6.4	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	7.6	^ 0.1	2.8	< 0.1
Benzo (a) pyrene	M	mg/kg	0.1	0.1	0.1	^ 0.5	8.8	^ 0.5	3.1	< 0.1
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.1	0.1	^ 0.4	6.9	^ 0.4	2.6	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	^ < 0.1	1.6	^ 0.1	0.6	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	0.1	^ 0.3	6.3	^ 0.5	2.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	0.5	0.6	^ 3.8	83.3	^ 5.5	36.0	< 0.4

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Results Summary

Report No.: 17-13052

ELAB Reference				105985	105986	105987	105988	105989	105990	105991
Customer Reference				D3	D1	D1	D4	D1	D1	D9
Sample ID										
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				BH3	S3	S4	BH1	S5	S6	BH1
Sample Depth (m)				1.00	0.60 - 0.80	0.20 - 0.30	1.50	0.20 - 0.30	0.50 - 0.70	4.00
Sampling Date				05/07/2017	05/07/2017	05/07/2017	07/07/2017	07/07/2017	07/07/2017	07/07/2017
Determinand	**Codes**	**Units**	**LOD**							
BTEX										
Benzene	M	ug/kg	10	< 10.0	< 10.0	^ < 10.0	< 10.0	^ < 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	^ < 10.0	< 10.0	^ < 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	^ < 10.0	< 10.0	^ < 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	^ < 10.0	< 10.0	^ < 10.0	< 10.0	< 10.0
TPH CWG										
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	1.8	11.0	2.8	< 1.0	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	< 1.0	1.3	1.3	2.0	3.6	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0	5.0	13.2	35.3	22.6	27.9	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	1.5	1.4	13.8	2.7	2.6	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0	6.5	17.7	64.5	30.1	34.1	< 1.0

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Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 17-13052

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
105985	1.00	BH3 D3	Brown soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
105986	0.60 - 0.80	S3 D1	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
105987	0.20 - 0.30	S4 D1	Sand, stones, concrete, brick	No asbestos detected	n/t	n/t	n/t	n/t
105988	1.50	BH1 D4	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
105989	0.20 - 0.30	S5 D1	Sand, stones, concrete, brick	No asbestos detected	n/t	n/t	n/t	n/t
105990	0.50 - 0.70	S6 D1	Brown sandy soil, stones, concrete, clinker, brick, glass	No asbestos detected	n/t	n/t	n/t	n/t
105991	4.00	BH1 D9	Sand, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t

ELAB

UKAS TESTING 2683

mCERTS

Method Summary

Report No.: 17-13052

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Free cyanide	N	As submitted sample	13/07/2017	107	Colorimetry
Hexavalent chromium	N	As submitted sample	13/07/2017	110	Colorimetry
pH	M	Air dried sample	14/07/2017	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	14/07/2017	118	ICPMS
Phenols in solids	M	As submitted sample	13/07/2017	121	HPLC
PAH (GC-FID)	M	As submitted sample	13/07/2017	133	GC-FID
BTEX in solids	M	As submitted sample	17/07/2017	181A	GC-MS
Total cyanide	M	As submitted sample	13/07/2017	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	13/07/2017	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	17/07/2017	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	13/07/2017	214	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	17/07/2017	214	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	17/07/2017	214	GC-MS
Asbestos identification	U	As submitted sample	13/07/2017	PMAN	Microscopy

Tests marked N are not UKAS accredited

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UKAS TESTING
2683

MCERTS

Report Information

Report No.: 17-13052

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)
Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

Risk Management

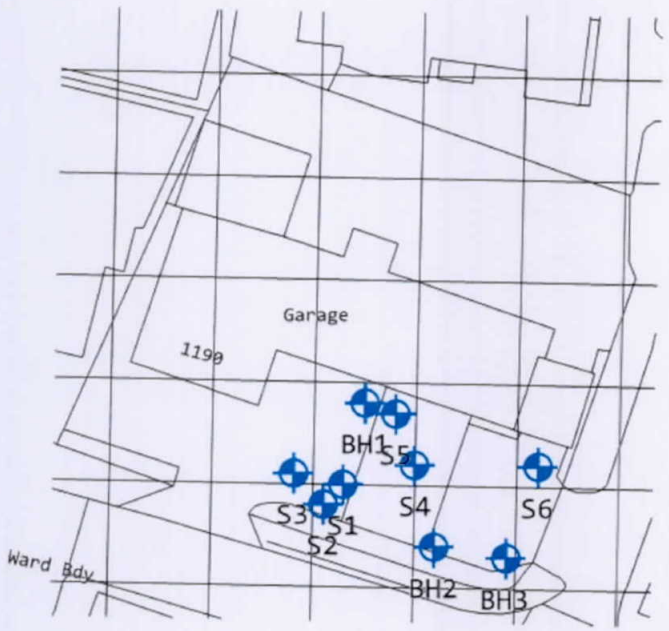
Risk Management Limited

GROUNDWATER & GAS MONITORING

Project Name:	1190 Uxbridge Road, Hayes.	Project No. :	RML 6443
		Date :	August 2017

BH No.	Date	Pressure (mb)	Organics (VOC) (ppm)	Oxygen (%)	Carbon Dioxide (%)	Methane (%)	Methane LEL (%)	Flow Rate (l/hr)	G.W.L. (m)
BH1	14th July 2017	1007	-	20.4	0.0	0.0	0.0	0	5.10
	18th July 2017	1025	8.3	21.2	0.0	0.0	0.0	0	5.12
	26th July 2017	1003	10.9	20.7	0.0	0.0	0.0	0	5.13
	2nd August 2017	1004	1.3	20.6	0.0	0.0	0.0	0	5.06
	8th August 2017	1006	5.1	20.7	0.0	0.0	0.0	0	5.10
	17th August 2017	1016	4.7	20.9	0.0	0.0	0.0	0	5.11
BH2	14th July 2017	1007	-	20.3	0.0	0.0	0.0	0	5.80
	18th July 2017	1021	0.6	20.9	0.0	0.0	0.0	0	4.80
	26th July 2017	1003	0.7	20.7	0.0	0.0	0.0	0	4.80
	2nd August 2017	1004	0.7	20.6	0.0	0.0	0.0	0	4.75
	8th August 2017	1006	0.8	20.6	0.0	0.0	0.0	0	4.79
	17th August 2017	1015	0.9	20.8	0.0	0.0	0.0	0	4.76
BH3	14th July 2017	1007	-	20.0	0.0	0.0	0.0	0	4.90
	18th July 2017	1023	53.3	21.0	0.0	0.0	0.0	0	4.90
	26th July 2017	1003	38.1	20.7	0.0	0.0	0.0	0	4.91
	2nd August 2017	1003	46.0	20.5	0.0	0.0	0.0	0	4.85
	8th August 2017	1006	5.0	20.7	0.0	0.0	0.0	0	4.88
	17th August 2017	1016	22.9	20.9	0.0	0.0	0.0	0	4.86

Drawing No.	RML 6443/1	**Title:**	**Fieldwork Location Plan**	Risk Management Limited Unit 8 Paddock Barn Farm Godstone Road Caterham Surrey CR3 6SF
Site Address:	1190 Uxbridge Road, Hayes UB4 8JE	**Scale:**	1:500	



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20 Metres
80 Feet