

Our Ref AMP/14862CO/10/JLJ

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19 November 2018

London Borough of Hackney
Hackney Service Centre
1 Hillman Street
Hackney
London
E8 1DY

For the attention of Mr Steven Pye, Pollution Control Officer

By Email only –
steven.pye@hackney.gov.uk

Dear Steven

**STONE STUDIOS, 80 TO 84 & 88 WALLIS ROAD, HACKNEY WICK E9 5LN
- RADIELLO CARTRIDGE AIR MONITORING FOR VOC & SVOC**

This letter reports the findings of the tenth round of ongoing air monitoring around the boundary of the above site by RSA Geotechnics Limited, at the request of Telford Homes PLC. The monitoring covers the period between 2 and 8 November 2018.

1. Introduction

Earlier investigation of the site identified the potential for significant odour/vapour release during development. CFA piling works brought to surface hydrocarbon contaminated soils, as identified within the earlier site investigation. Some odours were reported, and odour/vapour issues were more pronounced during the bulk excavation phase for basement construction for Block A in September 2018. No significant groundworks have been undertaken on site since 21 September 2018.

Air monitoring will be maintained for the duration of the groundworks by RSA Geotechnics Limited to assess concentrations of volatile organic compounds at the perimeter of the site during the bulk excavation works and enable the assessment of potential risks to off-site receptors. Radiello 130 passive diffusive sampling tubes have been installed at five locations around the perimeter of the site, to enable measurement of time weighted average concentrations of BTEX and VOC, with a sixth monitoring point installed off-site, on the boundary of Mossbourne Academy School. Monitoring locations are as illustrated on drawing number 14862CO/2.

Key volatile constituents of the contamination at the site were considered to be benzene and naphthalene, and these compounds have been adopted as markers for the initial assessment of contamination.

The EH40 Workplace Exposure Limit (WEL) for 8 hour time-weighted average (TWA) exposure for benzene of 1 ppm (3.25 mg/m³) was adopted for initial assessment. In the absence of a short-term (15 minute) exposure limit (STEL) a value equivalent to three times the 8 hour TWA is commonly adopted (3 ppm).

There is no UK WEL screening value for naphthalene. However, the US Occupational Safety and Health Administration (OSHA) sets a Permissible Exposure limit (PEL) of 10 ppm (50 mg/m³) for naphthalene in workplace air (8 hour TWA). The National Institute for Occupational Safety and Health (NIOSH) 'immediately dangerous to life or health' (IDLH) screening value for naphthalene in air is 250 ppm.

2. Fieldwork

The tenth round of monitoring discussed in this report was undertaken over a six day period between 2 and 8 November 2018. No excavation works were in progress for the duration of the monitoring.

3. Laboratory Analysis

Cross reference between the laboratory test references and the sample locations is given in Table 3.

Table 3 – Laboratory reference and sample location summary	
Location	Laboratory sample reference
V1	1483I
V2	1482I
V3	1480I
V4	1479I
V5	1478I
V6	0528Q
T1	1486I
T2	1481I
T3	0531Q

The laboratory analysis included suites of both VOCs and SVOCs. The results were calculated as time-weighted average concentrations.

Concentrations of VOCs including benzene, were below the detection limit for the test method, of 1 µg/m³ (0.0003 ppm).

Naphthalene was not recorded above the detection limit of 1 µg/m³ (0.0002 ppm).

Testing for SVOC TIC (Tentatively Identified Compounds) was included in the analysis however there are no UK screening values for the majority of these compounds. Very low concentrations of SVOC TICs were detected on the site boundary; no measurable concentrations of SVOC TICs were recorded at Location 6 on the boundary of the Mossbourne Academy school premises approximately 100 m east of the site.

Testing for speciated total petroleum hydrocarbons (TPH) has recently been added to the monitoring, for two locations on the site boundary (Locations T1 and T2) and one location at the school (Location T3). The testing recorded all concentrations to be below the detection limit for the test method of $100 \mu\text{g}/\text{m}^3$.

4. Conclusions

Time-weighted average concentrations of benzene in the atmosphere were below the detection limit for the test method, of 0.0003 ppm, and well below the adopted initial screening value of 1 ppm. Concentrations of naphthalene were below the detection limit of 0.0002 ppm, and considerably below the OSHA PEL of 10 ppm.

The above assessment is predominantly focussed on occupational exposure, given the immediate commercial site setting. Due to recent reports of vapour/odour further from the site, including the school approximately 100 m to the north east, the assessment is currently under revision, to provide an enhanced assessment of the potential impact to off-site receptors, and with a view to modifying site practices to reduce any impact to acceptable levels. A detailed risk assessment report has been prepared which includes proposed screening values for a range of determinands; the report is in the course of being agreed with LLDC and London Borough of Hackney.

The concentrations of SVOC TICS recorded on the site boundary and at the school were well below the proposed screening values.

Monitoring will continue for the duration of the earthworks on site and a revised assessment of off-site receptors more remote from the site will be presented in due course.

Should you require any further information or assistance, please do not hesitate to contact us.

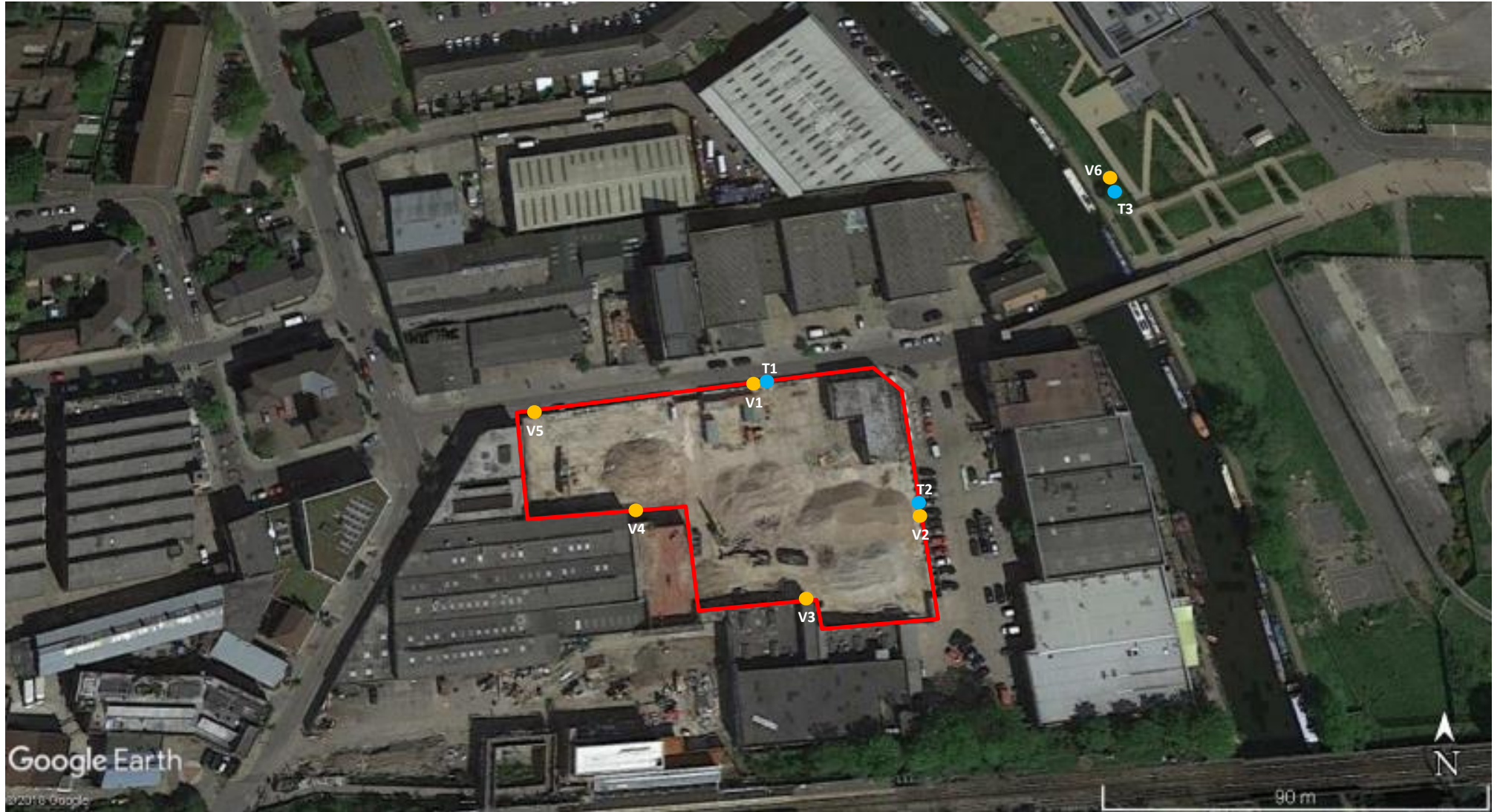
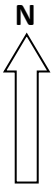
Yours sincerely
RSA Geotechnics Ltd



Adrian Phillips, FGS
Technical Director

Encs Passive Air Monitoring – Drawing Number 14862CO/2
Laboratory Test Reports (ELAB, 18-20488 & 57032)

Copy (Email) to: Jason Lumb (Arup) jason.lumb@arup.com
Jeff Widd (Arup) jeff.widd@arup.com
Russell Butchers (LLDC) russellbutchers@londonlegacy.co.uk
LLDC lldc@arup.com
Stephen Pedro (Telford Homes) stephen.pedro@telfordhomes.london
Fintan Mooney (Telford Homes) fintan.mooney@telfordhomes.london



<p>PASSIVE AIR MONITORING (Based upon Google earth image)</p> <p>80 - 84 AND 88 WALLIS ROAD, HACKNEY WICK, E9 5LN</p>	<p>NOTE: All locations are approximate</p> <p>Date 19 NOVEMBER 2018</p>
	<p>Scale NOT TO SCALE</p>
<p>RSA GEOTECHNICS LIMITED</p>	<p>Drawing No 14862CO/2 Version A</p>



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THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-20488

Issue: 1

Date of Issue: 19/11/2018

Contact: Adrian Phillips

Customer Details: RSA Geotechnics Ltd
Ashburnham House
1 Maitland Road
Needham Market
Suffolk
IP6 8NZ

Quotation No: Q18-01116

Order No: 14862CO

Customer Reference: 14862CO

Date Received: 09/11/2018

Date Approved: 19/11/2018

Details: Wallis Road Air Monitoring 2 - 8 November 2018

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.: 18-20488

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
156403	1483I RT1 - Location 1 VOC	08/11/2018	12/11/2018		
156404	1482I RT2 - Location 2 VOC	08/11/2018	12/11/2018		
156405	1480I RT3 - Location 3 VOC	08/11/2018	12/11/2018		
156406	1479I RT4 - Location 4 VOC	08/11/2018	12/11/2018		
156407	1478I RT5 - Location 5 VOC	08/11/2018	12/11/2018		
156408	0528Q RT6 - Location 6 VOC	08/11/2018	12/11/2018		



Results Summary

Report No.: 18-20488

ELAB Reference	156403	156404	156405	156406	156407	156408
Customer Reference	RT1 - Location 1 VOC	RT2 - Location 2 VOC	RT3 - Location 3 VOC	RT4 - Location 4 VOC	RT5 - Location 5 VOC	RT6 - Location 6 VOC
Sample ID						
Sample Type	GAS	GAS	GAS	GAS	GAS	GAS
Sample Location	1483I	1482I	1480I	1479I	1478I	0528Q
Sample Depth (m)						
Sampling Date	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Determinand	Codes	Units	LOD			
VOC						
MTBE	N	µg/m3	1	< 1	< 1	< 1
Heptane	N	µg/m3	1	< 1	< 1	< 1
Octane	N	µg/m3	1	< 1	< 1	< 1
Nonane	N	µg/m3	1	< 1	< 1	< 1
Benzene	N	µg/m3	1	< 1	< 1	< 1
Toluene	N	µg/m3	1	< 1	< 1	< 1
Ethylbenzene	N	µg/m3	1	< 1	< 1	< 1
m+p-xylene	N	µg/m3	1	< 1	< 1	< 1
o-xylene	N	µg/m3	1	< 1	< 1	< 1
cis-1,2-dichloroethene	N	µg/m3	1	< 1	< 1	< 1
1,1-Dichloroethane	N	µg/m3	1	< 1	< 1	< 1
Chloroform	N	µg/m3	1	< 1	< 1	< 1
Tetrachloromethane	N	µg/m3	1	< 1	< 1	< 1
1,1,1-Trichloroethane	N	µg/m3	1	< 1	< 1	< 1
Trichloroethylene	N	µg/m3	1	< 1	< 1	< 1
Tetrachloroethylene	N	µg/m3	1	< 1	< 1	< 1
1,1,1,2-Tetrachloroethane	N	µg/m3	1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	N	µg/m3	1	< 1	< 1	< 1
Chlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Bromobenzene	N	µg/m3	1	< 1	< 1	< 1
Bromodichloromethane	N	µg/m3	1	< 1	< 1	< 1
Methylethylbenzene	N	µg/m3	1	< 1	< 1	< 1
1,1-Dichloro-1-propene	N	µg/m3	1	< 1	< 1	< 1
Trans - 1-2 -dichloroethylene	N	µg/m3	1	< 1	< 1	< 1
2,2-Dichloropropane	N	µg/m3	1	< 1	< 1	< 1
Bromochloromethane	N	µg/m3	1	< 1	< 1	< 1
1,2-Dichloroethane	N	µg/m3	1	< 1	< 1	< 1
Dibromomethane	N	µg/m3	1	< 1	< 1	< 1
1,2-Dichloropropane	N	µg/m3	1	< 1	< 1	< 1
cis-1,3-Dichloro-1-propene	N	µg/m3	1	< 1	< 1	< 1
trans-1,3-Dichloro-1-propene	N	µg/m3	1	< 1	< 1	< 1
1,1,2-Trichloroethane	N	µg/m3	1	< 1	< 1	< 1
Dibromochloromethane	N	µg/m3	1	< 1	< 1	< 1
1,3-Dichloropropane	N	µg/m3	1	< 1	< 1	< 1
Dibromoethane	N	µg/m3	1	< 1	< 1	< 1
Styrene	N	µg/m3	1	< 1	< 1	< 1
Propylbenzene	N	µg/m3	1	< 1	< 1	< 1
2-Chlorotoluene	N	µg/m3	1	< 1	< 1	< 1
1,4-Trimethylbenzene	N	µg/m3	1	< 1	< 1	< 1
4-Chlorotoluene	N	µg/m3	1	< 1	< 1	< 1
t-butylbenzene	N	µg/m3	1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	N	µg/m3	1	< 1	< 1	< 1
1-methylpropylbenzene	N	µg/m3	1	< 1	< 1	< 1
p-cymene	N	µg/m3	1	< 1	< 1	< 1
1,3-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Butylbenzene	N	µg/m3	1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	N	µg/m3	1	< 1	< 1	< 1
Hexachlorobutadiene	N	µg/m3	1	< 1	< 1	< 1
1-2-3 - Trichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Naphthalene	N	µg/m3	1	< 1	< 1	< 1
1-2-4 - Trichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
1,4-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
1,2-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Bromoform	N	µg/m3	1	< 1	< 1	< 1
VOC TIC						
Various	N	µg/m3	1	None Detected	None Detected	None Detected



Results Summary

Report No.: 18-20488

ELAB Reference	156403	156404	156405	156406	156407	156408
Customer Reference	RT1 - Location 1 VOC	RT2 - Location 2 VOC	RT3 - Location 3 VOC	RT4 - Location 4 VOC	RT5 - Location 5 VOC	RT6 - Location 6 VOC
Sample ID						
Sample Type	GAS	GAS	GAS	GAS	GAS	GAS
Sample Location	1483I	1482I	1480I	1479I	1478I	0528Q
Sample Depth (m)						
Sampling Date	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018	08/11/2018
Determinand	Codes	Units	LOD			
SVOC						
Phenol	N	µg/m3	1	< 1	< 1	< 1
Aniline	N	µg/m3	1	< 1	< 1	< 1
Bis(2-chloroethyl)ether	N	µg/m3	1	< 1	< 1	< 1
2-Chlorophenol	N	µg/m3	1	< 1	< 1	< 1
1,3-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
1,4-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Benzyl Alcohol	N	µg/m3	1	< 1	< 1	< 1
1,2-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
2-Methylphenol	N	µg/m3	1	< 1	< 1	< 1
Bis(2-chloroisopropyl)ether	N	µg/m3	1	< 1	< 1	< 1
3 and 4-methylphenol	N	µg/m3	1	< 1	< 1	< 1
N-Nitrosodi-n-propylamine	N	µg/m3	1	< 1	< 1	< 1
Hexachloroethane	N	µg/m3	1	< 1	< 1	< 1
Nitrobenzene	N	µg/m3	1	< 1	< 1	< 1
Isophorone	N	µg/m3	1	< 1	< 1	< 1
2-Nitrophenol	N	µg/m3	1	< 1	< 1	< 1
2,4-Dimethylphenol	N	µg/m3	1	< 1	< 1	< 1
Bis(2-chloroethoxy)methane	N	µg/m3	1	< 1	< 1	< 1
2,4-Dichlorophenol	N	µg/m3	1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Naphthalene	N	µg/m3	1	< 1	< 1	< 1
3-Chloroaniline	N	µg/m3	1	< 1	< 1	< 1
Hexachloro-1,3-butadiene	N	µg/m3	1	< 1	< 1	< 1
4-Chloro-3-methylphenol	N	µg/m3	1	< 1	< 1	< 1
2-Methylnaphthalene	N	µg/m3	1	< 1	< 1	< 1
1-Methylnaphthalene	N	µg/m3	1	< 1	< 1	< 1
Hexachlorocyclopentadiene	N	µg/m3	1	< 1	< 1	< 1
2,4,6-Trichlorophenol	N	µg/m3	1	< 1	< 1	< 1
2,4,5-Trichlorophenol	N	µg/m3	1	< 1	< 1	< 1
1-Chloronaphthalene	N	µg/m3	1	< 1	< 1	< 1
2-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1
1,4-Dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1
Dimethyl phthalate	N	µg/m3	1	< 1	< 1	< 1
1-3-dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1
2-6-dinitrotoluene	N	µg/m3	1	< 1	< 1	< 1
Acenaphthylene	N	µg/m3	1	< 1	< 1	< 1
1,2-Dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1
3-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1
Acenaphthene	N	µg/m3	1	< 1	< 1	< 1
4-nitrophenol	N	µg/m3	1	< 1	< 1	< 1
Dibenzofuran	N	µg/m3	1	< 1	< 1	< 1
2,3,5,6-Tetrachlorophenol	N	µg/m3	1	< 1	< 1	< 1
2,3,4,6-Tetrachlorophenol	N	µg/m3	1	< 1	< 1	< 1
Diethyl phthalate	N	µg/m3	1	< 1	< 1	< 1
1-chloro-4-phenoxybenzene	N	µg/m3	1	< 1	< 1	< 1
Fluorene	N	µg/m3	1	< 1	< 1	< 1
4-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1
Dinitro-o-cresol	N	µg/m3	1	< 1	< 1	< 1
Diphenylamine	N	µg/m3	1	< 1	< 1	< 1
Azobenzene	N	µg/m3	1	< 1	< 1	< 1
1-bromo-4-phenoxybenzene	N	µg/m3	1	< 1	< 1	< 1
Hexachlorobenzene	N	µg/m3	1	< 1	< 1	< 1
Pentachlorophenol	N	µg/m3	1	< 1	< 1	< 1
Phenanthrene	N	µg/m3	1	< 1	< 1	< 1
Anthracene	N	µg/m3	1	< 1	< 1	< 1
Carbazole	N	µg/m3	1	< 1	< 1	< 1
Dibutyl phthalate	N	µg/m3	1	< 1	< 1	< 1
Fluoranthene	N	µg/m3	1	< 1	< 1	< 1
Pyrene	N	µg/m3	1	< 1	< 1	< 1
Butyl benzyl phthalate	N	µg/m3	1	< 1	< 1	< 1
Bis-2-ethylhexyladipate	N	µg/m3	1	< 1	< 1	< 1
Butyl benzyl phthalate	N	µg/m3	1	< 1	< 1	< 1
Benzo(a)anthracene	N	µg/m3	1	< 1	< 1	< 1
Chrysene	N	µg/m3	1	< 1	< 1	< 1
Bis(2-ethylhexyl)phthalate	N	µg/m3	1	< 1	< 1	< 1
Benzo(b)fluoranthene	N	µg/m3	1	< 1	< 1	< 1
Benzo(k)fluoranthene	N	µg/m3	1	< 1	< 1	< 1
Benzo(a)pyrene	N	µg/m3	1	< 1	< 1	< 1
Indeno(1,2,3-CD)pyrene	N	µg/m3	1	< 1	< 1	< 1
Dibenz(ah)anthracene	N	µg/m3	1	< 1	< 1	< 1
Benzo(ghi)perylene	N	µg/m3	1	< 1	< 1	< 1
SVOCTIC						
Various	N	µg/m3	1	Y	None Detected	Y
p-Xylene	N	µg/m3	1	10	-	11
Benzene, 1-methyl-2-(1-methylethyl)-	N	µg/m3	1	1	-	-
o-Xylene	N	µg/m3	1	-	-	9
Benzene, 1,2,3-trimethyl-	N	µg/m3	1	-	-	9
Benzene, 1,2,4-trimethyl-	N	µg/m3	1	-	-	17
Benzene, cyclopropyl-	N	µg/m3	1	-	-	11
Tetradecane	N	µg/m3	1	-	-	2



Method Summary

Report No.: 18-20488

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
VOC - Tubes	N		12/11/2018		GC-MS
SVOC - Tubes	N		12/11/2018	167	GC-MS
VOC - Tubes	N		12/11/2018	181	GC-MS

Tests marked N are not UKAS accredited



Report Information

Report No.: 18-20488

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
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
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)
ELAB are unable to provide an interpretation or opinion on the content of this report.
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

F.A.O. Adrian Phillips
RSA Geotechnics Ltd
1 Maitland Road
Needham Market
Suffolk, IP6 8NZ

Reporting Date: 16 November 2018

ANALYTICAL REPORT No. 57032

Samples Received By: Laboratory Courier

Sample Receipt Date: 12/11/18

Your Job No: 14862CO

Your Order No: 14862CO

Site Location: Wallis Road Air Monitoring 2 November - 8 November 2018

No Samples Received: 3

Date of Sampling: 08/11/18

This report was written by: Stuart Ballard

Authorised By;

Mike Varley
Technical Manager (BSc, CChem
CSci, FRSC)

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

THE ENVIRONMENTAL LABORATORY LTD

Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards On Sea, East Sussex, TN38 9BY

Tel: 01424 718618 Fax: 01424 729911

ANALYTICAL REPORT No. 57032

Location: Wallis Road Air Monitoring 2 November - 8 November 2018



Your Job No: 14862CO
Your Order No: 14862CO
Reporting Date: 16/11/18

F.A.O. Adrian Phillips
RSA Geotechnics Ltd
1 Maitland Road
Needham Market
Suffolk, IP6 8NZ

TPH CWG - Tubes

Characteristic	TUBE	TUBE	TUBE
Date Sampled	08/11/18	08/11/18	08/11/18
TP/BH	1486I - RT T1	1481I - RT T2	0531Q - RT T3
Our ref	38248	38249	38250
<u>Aromatic</u>			
>EC ₅ -EC ₇	(µg/m ³)	<100	<100
>EC ₇ -EC ₈	(µg/m ³)	<100	<100
>EC ₈ -EC ₁₀	(µg/m ³)	<100	<100
>EC ₁₀ -EC ₁₂	(µg/m ³)	<100	<100
>EC ₁₂ -EC ₁₆	(µg/m ³)	<100	<100
>EC ₁₆ -EC ₂₁	(µg/m ³)	<100	<100
>EC ₂₁ -EC ₃₅	(µg/m ³)	<100	<100
>EC ₃₅ -EC ₄₀	(µg/m ³)	<100	<100
<u>Aliphatic</u>			
>EC ₅ -EC ₆	(µg/m ³)	<100	<100
>EC ₆ -EC ₈	(µg/m ³)	<100	<100
>EC ₈ -EC ₁₀	(µg/m ³)	<100	<100
>EC ₁₀ -EC ₁₂	(µg/m ³)	<100	<100
>EC ₁₂ -EC ₁₆	(µg/m ³)	<100	<100
>EC ₁₆ -EC ₂₁	(µg/m ³)	<100	<100
>EC ₂₁ -EC ₃₅	(µg/m ³)	<100	<100
>EC ₃₅ -EC ₄₀	(µg/m ³)	<100	<100
TPH (C ₅ - C ₄₀)	(µg/m ³)	<100	<100

All results expressed on dry weight basis

** - MCERTS accredited test

Stuart Ballard



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Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number 57032
Your Ref No: 14862CO
Sample Receipt Date: 12/11/18
Reporting Date: 16/11/18

Registered: 12/11/18
Prepared: 13/11/18
Analysis complete: 16/11/18

TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Carbon Banding (TPH CWG)	As submitted sample	13/11/18	214	Gas chromatography

Note:- Documented In-house procedure based on HSG 248 2005

** - MCERTS Accredited test

Determinands not marked with * or ** are not accredited

MCERTS accreditation covers samples which are predominantly sand, clay, loam or combinations of these three soil types

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