

Our Ref AMP/14862CO/8/LMA

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5 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 eighth 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 18 and 25 October 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.

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 14862GI2/9.

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) has been 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 eighth round of monitoring discussed in this report was undertaken over a seven day period between 18 and 25 October 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
1	1547G
2	1545G
3	1544G
4	1543G
5	0526Q
6	1541G

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 recorded above the detection limit only at Location 1, on the northern boundary of the site, at a concentration of 23 µg/m³ (0.004 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. Low concentrations of SVOC TICs were detected on the site boundary, with very low concentrations of three SVOC TICs 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 1 and 2) and one location at the school (Location 6). The testing recorded all concentrations to be below the detection limit for the test method of 100 µg/m³.

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. The maximum concentration of naphthalene was 0.004 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

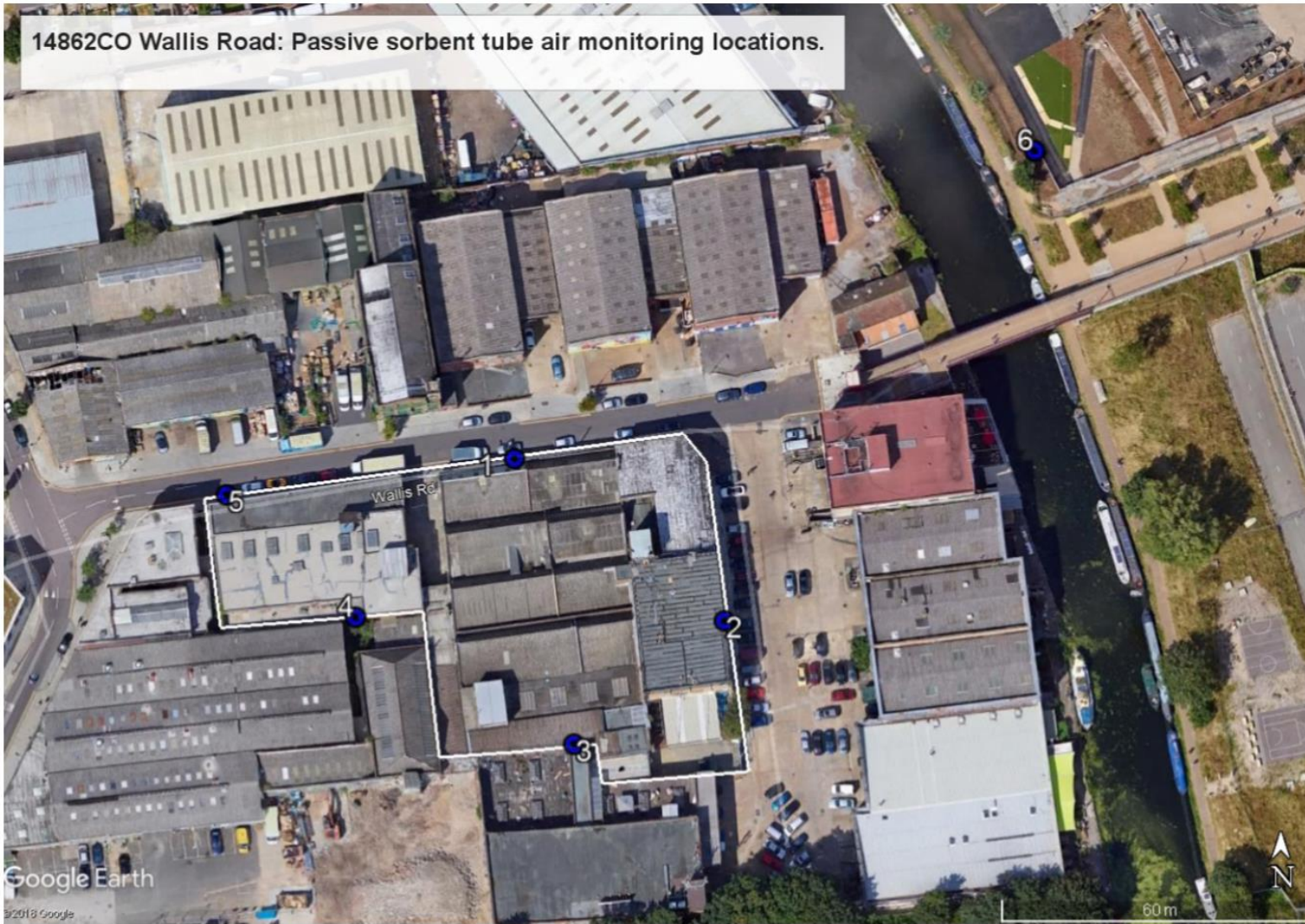


Adrian Phillips, FGS
Technical Director

Encs Locations for Passive Air and Vapour Monitoring
 – Drawing Number 14862G12/9
 Laboratory Test Reports (ELAB, 18-20254 & 57030)

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

14862CO Wallis Road: Passive sorbent tube air monitoring locations.



14862CO 80 TO 84 & 88 WALLIS ROAD, HACKNEY WICK E9 5LN

RELATIVE LOCATIONS OF PASSIVE SORBENT AIR MONITORING TUBES

RSA GEOTECHNICS LIMITED

Date 2 OCTOBER 2018

Scale NOT TO SCALE

Drawing No. 14862GI2/9



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-20254
Issue: 1
Date of Issue: 01/11/2018
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: 26/10/2018
Date Approved: 01/11/2018
Details: Wallis Road Air Monitoring 18 - 25 October 2018
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.: 18-20254

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
154717	1547G RT1 - Location 1 VOC	25/10/2018	26/10/2018		
154718	1545G RT2 - Location 2 VOC	25/10/2018	26/10/2018		
154719	1544G RT3 - Location 3 VOC	25/10/2018	26/10/2018		
154720	1543G RT4 - Location 4 VOC	25/10/2018	26/10/2018		
154721	0526Q RT5 - Location 5 VOC	25/10/2018	26/10/2018		
154722	1541G RT6 - Location 6 VOC	25/10/2018	26/10/2018		



Results Summary

Report No.: 18-20254

ELAB Reference	154717	154718	154719	154720	154721	154722
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	1547G	1545G	1544G	1543G	0526Q	1541G
Sample Depth (m)						
Sampling Date	25/10/2018	25/10/2018	25/10/2018	25/10/2018	25/10/2018	25/10/2018
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
1,2,4-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.: 18-20254

ELAB Reference	154717	154718	154719	154720	154721	154722
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	1547G	1545G	1544G	1543G	0526Q	1541G
Sample Depth (m)						
Sampling Date	25/10/2018	25/10/2018	25/10/2018	25/10/2018	25/10/2018	25/10/2018
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	23	< 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	Y	Y
Benzene, 1,3-dimethyl-	N	µg/m3	1	40	19	-
Benzene, 1-ethyl-2-methyl-	N	µg/m3	1	50	5	-
Indane	N	µg/m3	1	49	-	6
Benzene, 4-ethyl-1,2-dimethyl-	N	µg/m3	1	22	-	-
Benzene, 1-methyl-2-(1-methylethyl)-	N	µg/m3	1	14	-	-
.alpha.-Bromomesitylene	N	µg/m3	1	5	-	-
Benzene, 1,2,4,5-tetramethyl-	N	µg/m3	1	11	-	-
1H-Indene, 2,3-dihydro-5-methyl-	N	µg/m3	1	12	-	-
Benzene, 1-methyl-4-(2-propenyl)-	N	µg/m3	1	14	-	-
Benzene, 1-ethyl-3-methyl-	N	µg/m3	1	-	10	-
Benzene, 1-ethyl-2,3-dimethyl-	N	µg/m3	1	-	2	-
Benzenesulfonic acid, 4-chloro-	N	µg/m3	1	-	2	-
Benzene, 1,2,3-trimethyl-	N	µg/m3	1	-	-	12
Benzene, 1-ethyl-4-methyl-	N	µg/m3	1	-	-	-
Benzene, 1-ethyl-3,5-dimethyl-	N	µg/m3	1	-	-	22
Benzene, 1,2,3,4-tetramethyl-	N	µg/m3	1	-	-	6
Tetradecane	N	µg/m3	1	-	-	3
				-	-	8
				-	-	2



Method Summary

Report No.: 18-20254

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
VOC - Tubes	N		26/10/2018		GC-MS
SVOC - Tubes	N		26/10/2018	167	GC-MS
VOC - Tubes	N		26/10/2018	181	GC-MS

Tests marked N are not UKAS accredited



Report Information

Report No.: 18-20254

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



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone (01424) 718618
Facsimile (01424) 729911

THE ENVIRONMENTAL LABORATORY LTD

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

Reporting Date: 02 November 2018

ANALYTICAL REPORT No. 57030

Samples Received By: Laboratory Courier
Sample Receipt Date: 26/10/18
Your Job No: 14862CO
Your Order No: 14862CO
Site Location: Wallis Road Air Monitoring 18 - 25 October 2018
No Samples Received: 3
Date of Sampling: 25/10/18

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. 57030

Location: Wallis Road Air Monitoring 18 - 25 October 2018



Your Job No: 14862CO
Your Order No: 14862CO
Reporting Date: 02/11/18

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	25/10/18	25/10/18	25/10/18
TP/BH	1548G - RT T1	1546G - RT T2	1542G - RT T3
Our ref	38243	38244	38245
<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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THE ENVIRONMENTAL LABORATORY LTD

SAMPLE RECEIPT AND TEST DATES

Our Analytical Report Number 57030
Your Ref No: 14862CO
Sample Receipt Date: 26/10/18
Reporting Date: 02/11/18

Registered: 26/10/18
Prepared: 27/10/18
Analysis complete: 02/11/18

TEST METHOD SUMMARY

PARAMETER	Analysis Undertaken on	Date Tested	Method Number	Technique
Carbon Banding (TPH CWG)	As submitted sample	31/10/18	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)
