

Our Ref AMP/14862CO/6/LMA

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26 October 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 sixth 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 5 and 12 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 sixth round of monitoring discussed in this report was undertaken over a seven day period between 5 and 12 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	1414T
2	1411T
3	1413T
4	1410T
5	XS816
6	XS813

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 concentrations were recorded only at monitoring locations 4 and 5 (south western and north western boundaries) at a concentration of 33 µg/m³ (0.006 ppm).

Concentrations were all well below the OSHA PEL value of 10 ppm for workplace exposure.

Some measurable concentrations for SVOC TIC (Tentatively Identified Compounds) were recorded. There are no UK screening values for the majority of these compounds. A maximum concentration of 62 $\mu\text{g}/\text{m}^3$ was recorded for 1,2,3-trimethylbenzene; the EH40 WEL (8 hr TWA) for trimethylbenzenes (all isomers or mixtures) is 25 ppm or 125000 $\mu\text{g}/\text{m}^3$, so the recorded concentration is considered very low.

The recently installed sixth location on the boundary of the Mossbourne Academy school premises approximately 100 m east of the site recorded concentrations of all analysed VOCs and SVOCs to be below the detection limit of the test method of 1 $\mu\text{g}/\text{m}^3$. A number of low but measurable SVOC TIC compounds were recorded to be present at this location. It should be noted that the presence of such compounds can be due to a number of sources, and is not necessarily associated with the site works. Of the five compounds recorded in measurable concentrations, one was not recorded at all in the site monitoring, and two further compounds were higher in concentration at the school than at the site, suggesting that the site may not be the source (or the sole source) of the recorded values.

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 highest measured site concentration of naphthalene of 0.006 ppm was considerably below the OSHA PEL of 10 ppm.

The above assessment is predominantly focused 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 reviewed by LLDC and London Borough of Hackney. The concentrations of SVOC TICS recorded at the school are below the proposed screening values.

Monitoring will continue for the duration of the earthworks on site and a revised assessment of off-site receptors located more remotely 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

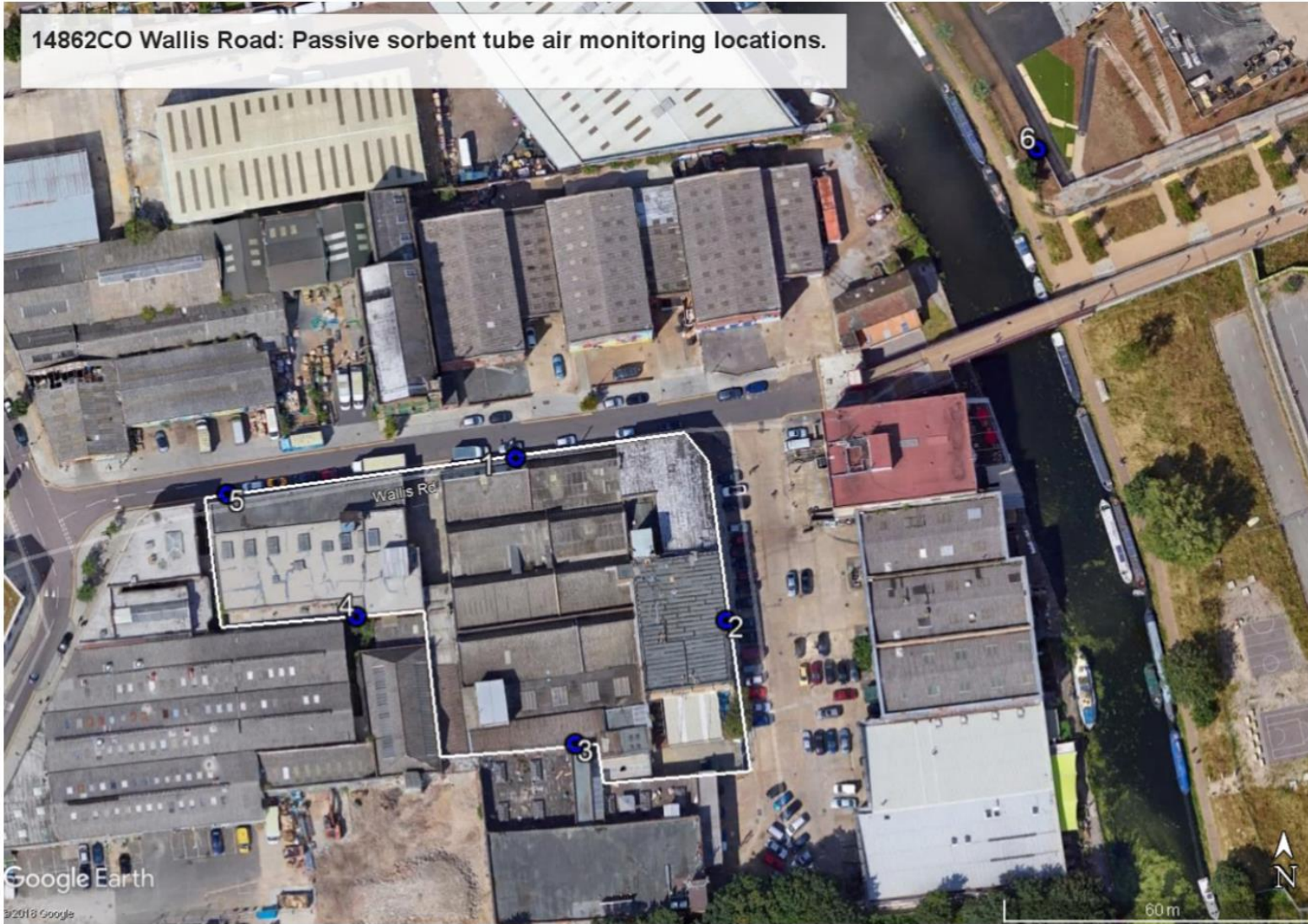


Adrian Phillips, FGS
Technical Director

Encs Locations for Passive Air and Vapour Monitoring
– Drawing Number 14862GI2/9
Laboratory Test Report (ELAB, 18-20092)

Copy (Email) to: Jason Lumb (Arup) jason.lumb@arup.com
Jeff Widd (Arup) jeff.widd@arup.com
Russell Butchers (LLDC) russellbutchers@londonlegacy.co.uk
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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: 18-20092

Issue: 1

Date of Issue: 23/10/2018

Contact: Phil Gawne

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: 16/10/2018

Date Approved: 23/10/2018

Details: Stone Studios, Wallis Road, Hackney Wick, London E9 5LN

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.: 18-20092

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
153644	1414T RT1 - Location 1	10/10/2018	16/10/2018		
153645	1411T RT1 - Location 2	12/10/2018	16/10/2018		
153646	1413T RT1 - Location 3	12/10/2018	16/10/2018		
153647	1410T RT1 - Location 4	12/10/2018	16/10/2018		
153648	XS816 RT1 - Location 5	12/10/2018	16/10/2018		
153649	XS813 RT1 - Location 6	12/10/2018	16/10/2018		



Results Summary

Report No.: 18-20092

ELAB Reference	153644	153645	153646	153647	153648	153649
Customer Reference	RT1 - Location 1	RT1 - Location 2	RT1 - Location 3	RT1 - Location 4	RT1 - Location 5	RT1 - Location 6
Sample ID						
Sample Type	GAS	GAS	GAS	GAS	GAS	GAS
Sample Location	1414T	1411T	1413T	1410T	XS816	XS813
Sample Depth (m)						
Sampling Date	10/10/2018	12/10/2018	12/10/2018	12/10/2018	12/10/2018	12/10/2018
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.: 18-20092

				ELAB Reference	153644	153645	153646	153647	153648	153649
				Customer Reference	RT1 - Location 1	RT1 - Location 2	RT1 - Location 3	RT1 - Location 4	RT1 - Location 5	RT1 - Location 6
				Sample ID						
				Sample Type	GAS	GAS	GAS	GAS	GAS	GAS
				Sample Location	1414T	1411T	1413T	1410T	XS816	XS813
				Sample Depth (m)						
				Sampling Date	10/10/2018	12/10/2018	12/10/2018	12/10/2018	12/10/2018	12/10/2018
Determinand	Codes	Units	LOD							
SVOC										
Phenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Aniline	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroethyl)ether	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzyl Alcohol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylphenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroisopropyl)ether	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3 and 4-methylphenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Nitrosodi-n-propylamine	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nitrobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isophorone	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitrophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dimethylphenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-chloroethoxy)methane	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trichlorobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	N	µg/m3	1	< 1	< 1	< 1	33	33	< 1	< 1
3-Chloroaniline	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloro-1,3-butadiene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Methylnaphthalene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-Methylnaphthalene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,6-Trichlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-Chloronaphthalene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dimethyl phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-3-dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-6-dinitrotoluene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthylene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dinitrobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Acenaphthene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-nitrophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzofuran	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,3,5,6-Tetrachlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,3,4,6-Tetrachlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethyl phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-chloro-4-phenoxybenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluorene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitroaniline	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dinitro-o-cresol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diphenylamine	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Azobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1-bromo-4-phenoxybenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobenzene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorophenol	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Phenanthrene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Anthracene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbazole	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibutyl phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Fluoranthene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyrene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Butyl benzyl phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis-2-ethylhexyladipate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Butyl benzyl phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)anthracene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chrysene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bis(2-ethylhexyl)phthalate	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(b)fluoranthene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(k)fluoranthene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(a)pyrene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Indeno(1,2,3-CD)pyrene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenz(ah)anthracene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzo(ghi)perylene	N	µg/m3	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

SVOCTIC									
Various	N	µg/m3	1	Y	Y	Y	Y	Y	Y
Benzene, 1,3-dimethyl-	N	µg/m3	1	36	-	-	-	28	-
Benzene, 1-ethyl-4-methyl-	N	µg/m3	1	14	-	-	-	-	-
Benzene, 1,2,4-trimethyl-	N	µg/m3	1	17	-	-	-	-	-
Indane	N	µg/m3	1	10	4	-	34	29	-
Benzene, 1-methyl-3-(1-methylethyl)-	N	µg/m3	1	5	-	-	-	-	-
Benzene, 1-methyl-2-(1-methylethyl)-	N	µg/m3	1	3	-	-	-	-	-
Tridecane, 3-methyl-	N	µg/m3	1	4	2	4	-	-	-
Z-5-Nonadecene	N	µg/m3	1	3	-	-	-	-	4
Tetradecane	N	µg/m3	1	6	-	4	-	5	-
Benzene, 1,2,3-trimethyl-	N	µg/m3	1	-	15	14	62	60	10
Dodecane	N	µg/m3	1	-	11	12	11	-	14
Tridecane	N	µg/m3	1	-	-	15	-	-	-
Benzene, 1-ethyl-2-methyl-	N	µg/m3	1	-	-	-	29	26	-
Benzene, 2-ethyl-1,4-dimethyl-	N	µg/m3	1	-	-	-	9	-	-
Benzene, 2-ethyl-1,3-dimethyl-	N	µg/m3	1	-	-	-	2	-	-
Benzene, 1-methyl-4-(1-methylethyl)-	N	µg/m3	1	-	-	-	6	-	-
Benzofuran, 2-methyl-	N	µg/m3	1	-	-	-	2	-	-
Benzene, 1,2,4,5-tetramethyl-	N	µg/m3	1	-	-	-	2	-	-
Benzene, 1-ethyl-3,5-dimethyl-	N	µg/m3	1	-	-	-	3	9	-
3-Phenylbut-1-ene	N	µg/m3	1	-	-	-	5	-	-
1-Tetradecene	N	µg/m3	1	-	-	-	4	-	-
Benzene, 4-ethyl-1,2-dimethyl-	N	µg/m3	1	-	-	-	-	3	-
Benzene, 1-ethyl-2,3-dimethyl-	N	µg/m3	1	-	-	-	-	6	-
Undecane	N	µg/m3	1	-	-	-	-	11	4
2-Propenal, 3-phenyl-	N	µg/m3	1	-	-	-	-	1	-
Benzene, 1,2,4,5-tetramethyl-	N	µg/m3	1	-	-	-	-	4	-
Heptadecane, 2,6,10,14-tetramethyl-	N	µg/m3	1	-	-	-	-	7	-
Benzo[b]thiophene	N	µg/m3	1	-	-	-	-	5	-
Tridecane, 1-iodo-	N	µg/m3	1	-	-	-	-	6	-
Eicosane	N	µg/m3	1	-	-	-	-	1	-
Heptadecane	N	µg/m3	1	-	-	-	-	-	2



Method Summary

Report No.: 18-20092

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
VOC - Tubes	N		16/10/2018		GC-MS
SVOC - Tubes	N		16/10/2018	167	GC-MS
VOC - Tubes	N		16/10/2018	181	GC-MS

Tests marked N are not UKAS accredited



Report Information

Report No.: 18-20092

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