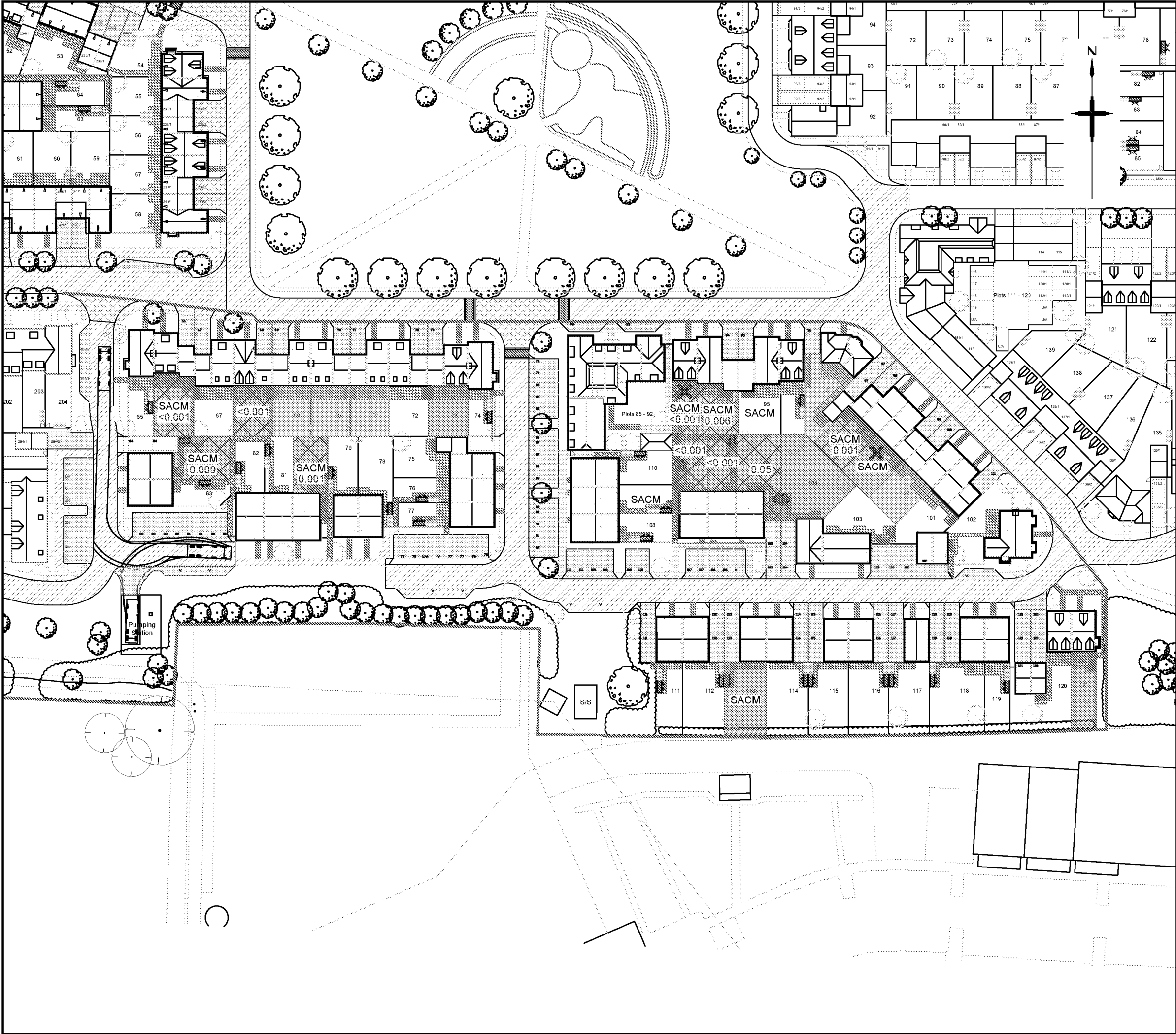




LEGEND

- Phase 1B Boundary
- Suspected ACMs observed on site, or asbestos fibres detected by laboratory analysis
- Plot not inspected due to obstruction
- Representative suspected ACM fragment collected for bulk asbestos ID analysis confirmed as chrysotile asbestos cement
- Loose asbestos fibres detected in soil by laboratory analysis
- SACM Suspected ACM observed on the ground surface
- <0.001 Asbestos quantification result (%)

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client

CALA HOMES (SOUTH HOME COUNTIES) LTD

Project Title

FORMER WEST END NURSERY, ANGMERING

Drawing Title

DELINEATION OF ASBESTOS IMPACTS IN PHASE 1B PLOTS 65 TO 121

Drawn	Date	Checked	Date	Approved	Date
AP	28.06.17	EH	28.06.17	CML	28.06.17

Scale	Orig Size	Dimensions
1:750	A3	m

Project No.	Drawing File
27621 - L08	27621 (L08)

Drawing No.	Rev.
FIGURE 3	P1

Scale 1:750



LEGEND

- Phase 1B Boundary
- 600mm Capping Layer Required
- 450mm Capping Layer Required

Rev.	Date	Amendment	Drawn	Chkd.	Appd.



18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
CALA HOMES (SOUTH HOME COUNTIES) LTD

Project Title
FORMER WEST END NURSERY, ANGMERING

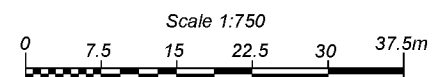
Drawing Title
CAPPING LAYER REQUIRMENTS (PLOTS 65-121)

Drawn	Date	Checked	Date	Approved	Date
AP	28.06.17	EH	28.06.17	CML	28.06.17

Scale	Orig Size	Dimensions
1:750	A3	m

Project No.	Drawing File
27621 - L08	27621 (L08)

Drawing No.	Rev.
FIGURE 4	P1



Plot Number	Front Garden		Back Garden	
	Area of Soft landscaping (m ²)	Volume of Soft landscaping (m ³)	Area of Soft landscaping (m ²)	Volume of Soft landscaping (m ³)
65	53.6294	32.17764	64.3598	38.81588
66	15.1892	8.82614	96.2552	42.21484
67	18.3277	10.99662	85.1776	48.10856
68	15.3263	9.19578	78.7855	47.2593
69	15.9895	7.195275	78.7855	35.444475
70	15.9895	7.195275	78.7855	35.444475
71	15.999	7.19955	78.7855	35.444475
72	15.9821	9.58526	85.3032	48.18192
73	21.7963	9.858335	79.8754	35.94393
74	43.6347	26.18682	47.7415	28.6449
75	10.18	6.108	84.8282	50.89572
76	9.874	5.9244	58.0355	33.8213
77	9.64	5.784	50.4051	30.24306
78	16.9583	11.99258	94.3547	58.61282
79	21.2673	12.76638	75.6512	45.36072
80	24.2808	16.92836	84.7363	38.131335
81	19.9998	11.99988	64.736	38.8416
82	20.117	12.0702	32.286	19.3596
83	9.0556	5.43336	57.7691	34.06146
84	8.5181	3.832245	95.4822	42.95799
85-92	159.7244	95.83484	177.1721	106.30326
93	17.4112	7.83504	51.9823	23.38535
94	15.8893	7.189685	80.7328	36.32976
95	16.0173	7.287786	81.0123	36.455635
96	13.5586	8.15195	59.8541	35.91246
97	32.5927	14.868715	90.1233	40.555485
98	18.9177	8.512985	79.797	35.90865
99	19.1745	9.82868	77.2342	34.75539
100	18.3612	8.23554	77.4855	34.868475
101	N/a	N/a	74.1702	44.59212
102	112.5854	67.53924	119.9713	71.98278
103	28.2905	18.9743	98.1672	57.88432
104	16.4365	7.356425	182.4404	82.09618
105	N/a	N/a	120.0562	54.02664
106	N/a	N/a	64.736	29.1312
107	N/a	N/a	34.296	15.4197
108	31.0331	18.61966	63.3774	38.02644
109	4.2494	1.91223	61.7431	27.784395
110	5.0461	3.02768	81.5398	48.92388
111	14.1517	8.49102	81.5917	48.95502
112	14.2137	8.52822	128.9318	78.15908
113	14.2136	8.39612	127.5396	57.39282
114	14.2138	8.52818	137.853	82.5918
115	15.6785	9.4071	121.8011	73.58066
116	15.6785	9.4071	126.8104	72.38824
117	15.625	9.375	121.8267	73.09602
118	14.0327	8.41982	161.424	96.8544
119	16.0459	9.62754	72.8528	43.71188
120	96.2694	57.76104	141.0161	84.60966
121	22.2324	10.09458	77.3341	34.800345

NOTES:

- 450mm capping layer required in all communal soft landscaped areas (excluding bunds falling within the land adjacent to Phase 1B).
- South west Bund B requires 600mm capping layer underlain by geotextile membrane.
- South west Bund B to be fenced and planted with prickly vegetation.

APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for CALA Homes (South Counties) (the "client") in accordance with the terms of a contract between RSK and the "client", dated October 2016. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information], and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.



APPENDIX B

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
1

Date:
19/04/2017

Plot 65,
showing
typical depth
of excavation
of pits in
Phase 1B



Photo No.
2

Date:
19/04/2017

Disused
plastic pipe
and made
ground in
Plot 83



PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
3

Date:
20/04/2017

Depth of excavation in Plot 108 and general succession of strata across site: made ground with natural soils at depth

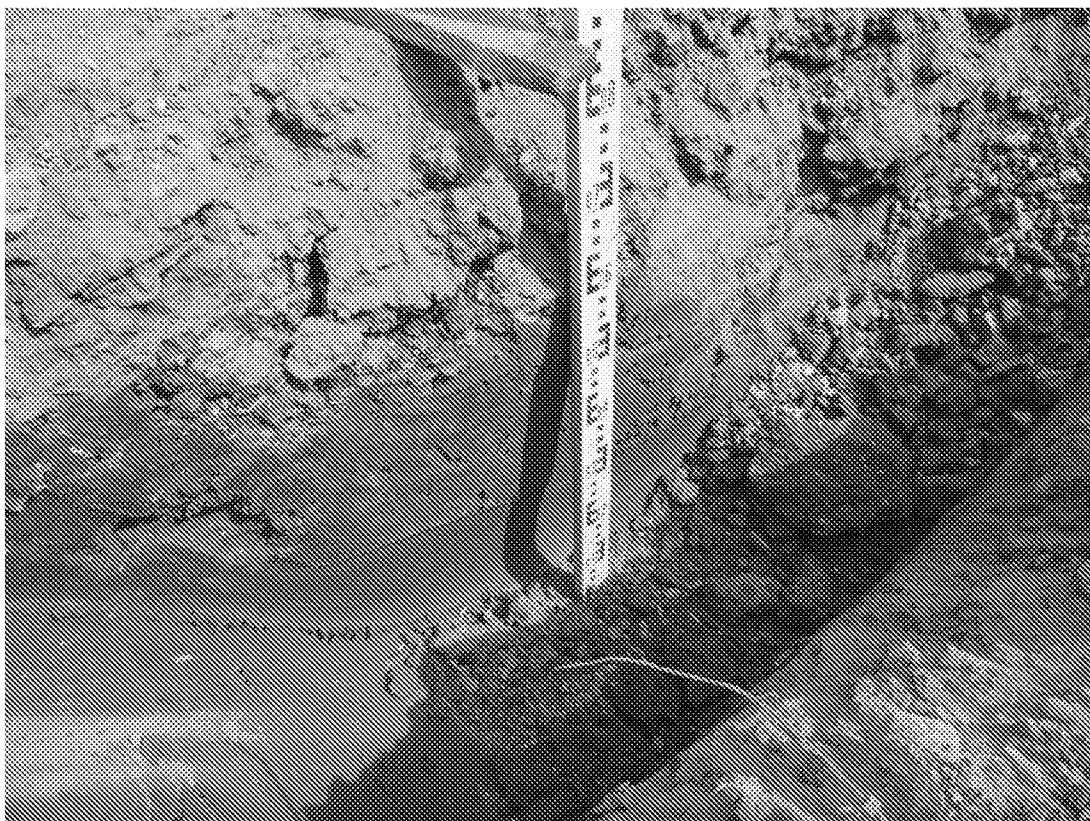


Photo No.
4

Date:
20/04/2017

Plot 107: typical number of suspected asbestos cement fragments found in affected plots in Phase 1B



PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
5

Date:
21/04/2017

Plot 99 extent
of made
ground in top
0.30 m



Photo No.
6

Date:
21/04/2017

16 suspected
asbestos
cement
fragments
found in Plot
99 (note CAT
blade is
approximately
630 mm long)



PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
7

Date:
24/04/2017

Plot 118 –
typical soils
in Plots
111-121:
less made
ground than
elsewhere
in Phase 1B



Photo No.
8

Date:
19/04/2017

Hydrocarbon
impact in
base of trial
pit in Plot 84



PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
9

Date:
19/04/2017

Arisings from
Plot 84,
clearly
impacted by
hydrocarbons



Photo No.
10

Date:
25/04/2017

Hydrocarbon
contamination
in side wall of
TPBOILER1



PHOTOGRAPHIC LOG

Site Location: Angmering Phase 1B

Photo No.
11

Date:
25/04/2017

Hydrocarbon contamination in side wall of TPBOILER5



Photo No.
12

Date:
25/04/2017

Arisings from TPBOILER5, clearly impacted by hydrocarbons





APPENDIX C

TRIAL PIT LOGS

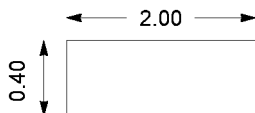


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP65
Contract Ref: 27621	Start: 18.04.17 End: 18.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.4ppm			MADE GROUND: Firm orangish brown slightly sandy slightly gravelly CLAY with a low cobble content. Sand is fine. Gravel is very angular to rounded fine to coarse flint, brick, concrete, rare plastic sheet and rare stained foam pad. Cobbles are subrounded concrete upto 120 mm in size.	(0.80)	
						0.80m : broken metal pipe 0.80 m long, 50 mm diameter Trial pit terminated at 0.80 m depth.	0.80	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos materials observed.

All dimensions in metres

Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	
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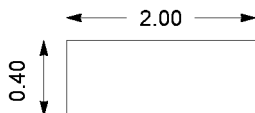


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP66
Contract Ref: 27621	Start: 18.04.17 End: 18.04.17	Ground Level: ---	Co-ordinates: ---		Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.5ppm			MADE GROUND: Firm orangish brown slightly sandy slightly gravelly CLAY with a low cobble content. Sand is fine. Gravel is very angular to rounded fine to coarse flint, brick, concrete and rare stained foam pad. Cobbles are subrounded concrete upto 120 mm in size.	(0.70)	
0.75 0.75	2	ES PID	Tub+Jar+Vial 2.5ppm			MADE GROUND: Firm dark grey to black sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, asphalt, concrete, occasional glass and rare metal strip. Single suspected asbestos fragment, stained blue from hydrocarbons. Weak to moderate hydrocarbon odour. Trial pit terminated at 0.75 m depth.	0.70 0.75	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. One fragment suspected asbestos cement 70 x 40 x 5 mm found on surface.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

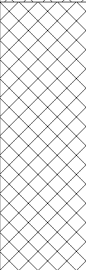
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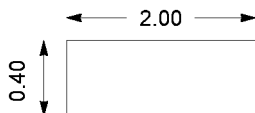


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP67
Contract Ref: 27621	Start: 18.04.17 End: 18.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50 0.50	1S 2N	D D PID	0.0ppm			MADE GROUND: Stiff brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse concrete and flint.	(0.20) 0.20	
						MADE GROUND: Yellowish brown dark grey and brown clayey slightly gravelly SAND.	(0.20) 0.40	
						MADE GROUND: Greenish brown slightly clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, brick, concrete, rare fabric, paper, hard plastic and wood remains. Cobbles are whole brick. 0.40-1.00m : North face only: POSSIBLE MADE GROUND: Light orange fine SAND.	(0.60) 1.00	
						Trial pit terminated at 1.00 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



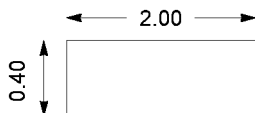


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP68
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	D	1.0ppm			MADE GROUND: Brown slightly clayey SAND. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, concrete and rare brick.	(0.25)	
						MADE GROUND: Stiff greyish brown mottled dark grey and black sandy gravelly CLAY. Sand is fine to medium. Gravel is very angular to rounded fine to coarse flint, concrete, brick and rare hard plastic, plastic sheet and pockets of asphalt. Weak hydrocarbon odour in places 0.50-0.60m : on east face only, asphalt surface 0.60-0.70m : part of brick wall 0.35 x 0.1 m 0.60-0.80m : abundant brick fragments	0.25	
0.70-0.80 0.70	2	ES PID	1.0ppm				(0.55)	
						Trial pit terminated at 0.80 m depth onto part brick wall across base of trial pit.	0.80	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



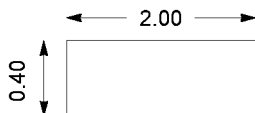


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP72
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Firm orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint and concrete, rare glass and plastic. MADE GROUND: Orangish brown slightly silty gravelly SAND. Sand is medium to coarse. Gravel is angular to rounded fine to coarse flint. 0.60m : becoming slightly silty slightly gravelly SAND. 0.70m : plastic pipe filled with soil 100 mm diameter x 200 mm length. 0.75m : pieces of polystyrene foam upto 50 mm in size. Trial pit terminated at 0.80 m depth.	(0.35) 0.35 (0.45) 0.80	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

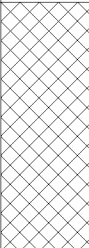
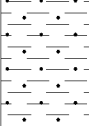
By:



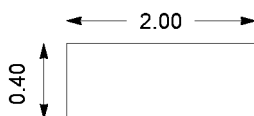


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP73
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.1ppm			MADE GROUND: Firm orangish brown and brown gravelly CLAY with a low cobble content. Gravel is very angular to rounded fine to coarse flint, rare brick and glass. Cobbles are rounded flint upto 70 mm in size. Single piece of suspected asbestos cement 60 x 50 x 5 mm. 0.30m : west wall of pit, concrete block 300 x 150 x 100 mm in size MADE GROUND: Orangish brown slightly silty gravelly SAND. Sand is medium to coarse. Gravel is very angular to subrounded fine to coarse flint, occasional concrete and blue plastic sheet. Firm orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.55) 0.55 0.70 (0.30) 1.00	  
						Trial pit terminated at 1.00 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry.
2. Removal of concrete block at 0.30 m caused minor side collapse of 0.20 m width x 1.50 length of pit face.
3. Backfilled with arisings.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



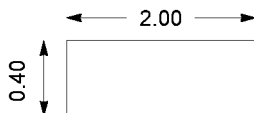


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP74
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.1ppm			MADE GROUND: Stiff brown, dark grey and orangish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, rare brick and glass. 0.40m : disused electric cable 0.60m : occasional green plastic strap Firm brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS) 0.80m : concrete slab across base of trial pit Trial pit terminated at 1.00 m depth.	(0.70) 0.70 (0.30) 1.00	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

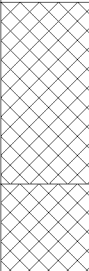
By:



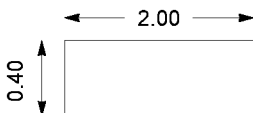


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP75
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Soft brown and orangish brown slightly sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, concrete, brick, and rare glass. Cobbles are rounded concrete upto 100 mm in size. Rare piece of concrete slab upto 200 mm in size. MADE GROUND: Loose brown and light brown crude CONCRETE. with Firm orangish brown and brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular medium to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.75 m depth.	(0.40) 0.40 (0.20) 0.60 0.75	  

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

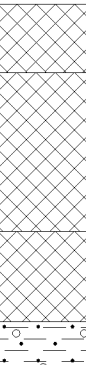
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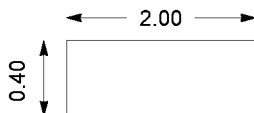


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP76
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	ES PID	Tub+Jar+Vial 0.5ppm			MADE GROUND: Firm brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse flint, rare brick and glass.	0.15	
						MADE GROUND: Stiff brown very gravelly CLAY. Gravel is very angular to rounded fine to coarse flint.	(0.35)	
						0.30m : loose light brown crude concrete in north corner of trial pit only	0.50	
0.80 0.80	2	D PID	0.2ppm			MADE GROUND: Stiff greyish brown, greenish brown mottled dark grey and black slightly sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, occasional brick, glass and asphalt. Cobbles are subrounded concrete fragments up to 200 mm in size. Rare orangish brown and dark orangish brown staining. Weak hydrocarbon odour.	(0.20)	
							0.70	
							0.80	
						Firm orangish brown and brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to medium flint and rare brick. (RIVER TERRACE DEPOSITS)		
						Trial pit terminated at 0.80 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP77
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

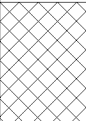
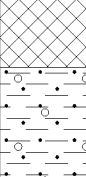
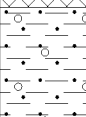
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	D	0.3ppm			MADE GROUND: Firm orangish brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint and rare brick, concrete, hard plastic and metal wire.	0.05	
0.50		PID				MADE GROUND: Reddish brown slightly silty sandy GRAVEL. Sand is fine to coarse. Gravel is very angular to subrounded fine to coarse flint and occasional concrete.	0.10	
						MADE GROUND: Dark brown clayey very gravelly SAND. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint and brick.	(0.20)	
						MADE GROUND: Stiff greyish brown, greenish brown, mottled dark grey and black slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, occasional brick and glass, rare asphalt. Rare orangish brown and dark organish brown staining. Weak hydrocarbon odour.	0.30	
						MADE GROUND: Stiff dark brown mottled brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular medium concrete.	(0.31)	
						Stiff orangish brown sandy CLAY. Sand is fine to medium.	0.61	
						(RIVER TERRACE DEPOSITS)	0.80	
						Trial pit terminated at 0.85 m depth.	0.85	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	

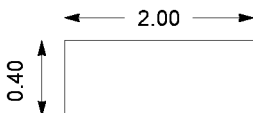


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP78
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.30	1	PID	0.0ppm			MADE GROUND: Very soft brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, concrete, brick and rare glass, tile and plastic wrap.	(0.27)	
						MADE GROUND: Loose brown and light brown crude concrete of slightly silty very gravelly SAND. Sand is medium to coarse. Gravel is angular to rounded fine to coarse flint.	0.27	
0.50-0.60 0.50		D PID	0.0ppm			MADE GROUND: Stiff orangish brown and brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular medium to coarse flint.	0.50	
						Stiff brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to medium flint. (RIVER TERRACE DEPOSITS)	0.65	
							(0.25)	
							0.90	
						Trial pit terminated at 0.90 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

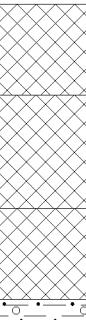
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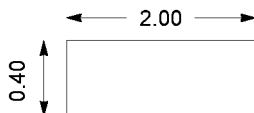


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP79
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.1ppm			MADE GROUND: Very soft brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, coarse, brick, and rare glass and tile.	(0.20)	
						MADE GROUND: Loose brown and light brown crude CONCRETE of slightly silty very gravelly SAND. Sand is medium to coarse. Gravel is angular to rounded fine to coarse flint.	(0.25)	
						MADE GROUND: Stiff brown and orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular medium to coarse flint.	(0.20)	
						0.50m : piece of plastic wrap	0.65	
						0.60m : metal strip 50 mm x 20 mm x 5 mm	0.70	
						Stiff brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to medium flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.70 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



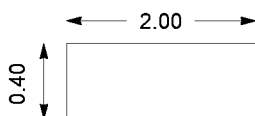


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP80
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50-0.60	1	D	0.0ppm			MADE GROUND: Stiff brown sandy gravelly CLAY with a low cobble content. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, brick, concrete and rare rope, hard plastic and tile. Cobbles are subangular to rounded concrete upto 160 mm in size.	(0.20) 0.20	
0.60		PID				MADE GROUND: Loose to medium dense brown clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, brick and concrete. Cobbles are subangular concrete up to 200 mm in size. Rare part of brick wall 300 x 100 x 100 mm in size. 0.30m : Single fragment of suspected asbestos cement found at 0.30 m depth, 100 x 50 x 5 mm in size.	(0.65) 0.85	
						Stiff orangish brown occasionally mottled brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.20) 1.05	
						Trial pit terminated at 1.05 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. Single fragment of suspected asbestos cement found on surface, 50 x 20 x 5 mm in size.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:



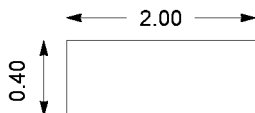


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP81
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	2.2ppm			MADE GROUND: Brown clayey gravelly SAND. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, tile, occasional glass, and rare brick and hard plastic. MADE GROUND: Stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to medium flint and brick. MADE GROUND: Stiff greyish brown mottled dark grey and black sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, brick, glass and occasional wood fragments. 0.60m : disused metal pipe 0.40 m long Stiff orangish brown occasionally greyish brown sandy CLAY. Sand is fine. (RIVER TERRACE DEPOSITS)	0.15 0.20 (0.45) 0.65 (0.20) 0.85	
						Trial pit terminated at 0.85 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

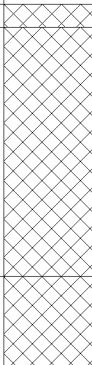
Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	
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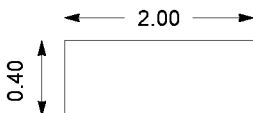


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP82
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40 0.50	1	PID D	0.0ppm			MADE GROUND: Brown, light grey, light brown GRAVEL. Gravel is subangular to rounded fine to coarse flint.	0.05	
		MADE GROUND: Firm orangish brown mottled dark grey slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint.				(0.55)		
	0.30m : 500 x 30 x 10 mm piece of decaying wood	0.60						
0.75		PID	0.5ppm			MADE GROUND: Stiff dark grey slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse brick, flint and concrete.	(0.20)	
						0.80		
Trial pit terminated at 0.80 m depth.								

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	
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Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP83
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50 0.57	1	D PID PID	22.8ppm 140.0ppm			MADE GROUND: Brown clayey GRAVEL. Gravel is angular to rounded fine to coarse flint. MADE GROUND: Reddish brown slightly clayey sandy GRAVEL. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. MADE GROUND: Yellowish brown mottled dark grey sandy CLAY. Sand is fine to medium. Moderate hydrocarbon odour. 0.40m : MDF board 250 mm in size. 0.40-0.50m : red coarse sand around disused grey plastic pipe 100 mm diameter MADE GROUND: Dark purplish grey very clayey gravelly SAND. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint and brick. Moderate hydrocarbon odour. MADE GROUND: Brown and grey GRAVEL. Gravel is very angular to subrounded coarse flint. MADE GROUND: Yellowish white CHALK composed of silty GRAVEL. Gravel is angular to subrounded fine to coarse weak medium density chalk. Stiff orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.86 m depth.	0.05 0.20 (0.37) 0.57 0.58 0.61 (0.22) 0.83 0.86	

Plan (Not to Scale) 		General Remarks 1. Trial pit remained stable during excavation. 2. Seepage at 0.15 m depth. 3. Seepage at 0.40 m depth from disused grey plastic pipe. 4. Backfilled with arisings. 5. No suspected asbestos fragments observed.	
Method Machine dug		Plant Used: Tracked excavator	Logged By: EHughes
Scale: 1:17		Checked By: EHughes	

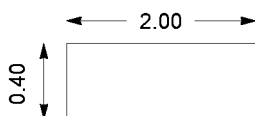


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP84
Contract Ref: 27621	Start: 19.04.17 End: 19.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
						MADE GROUND: Stiff orangish brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is very angular to rounded fine to coarse flint and rare brick and wood fragments.	(0.30)	
						MADE GROUND: Firm greyish brown and dark grey mottled black slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, brick, concrete, and rare metal and wood fragments. Weak hydrocarbon odour.	0.30	
0.50	1	D				0.35m : bent metal rim 3000 mm x 20 mm x 5 mm	(0.25)	
0.50		PID	0.8ppm				0.55	
0.60	2	ES	Tub+Jar+Vial			MADE GROUND: Dark purplish grey very clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, concrete and rare brick. Cobbles are subangular to subrounded concrete upto 170 mm in size. Weak hydrocarbon odour.	0.70	
0.70		PID	63.1ppm			Trial pit terminated at 0.70 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. Single fragment of suspected asbestos cement found on surface, 70 x 30 x 5 mm in size.

All dimensions in metres

Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	
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FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP85-92A
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	1	D PID	0.0ppm			MADE GROUND: Firm to stiff dark brown and brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, occasional concrete, and rare brick fragments, plastic sheet, glass fragments, metal strip 650 mm long, wood fragments, and plastic tube. Cobbles are half brick and concrete block upto 500 mm in size. No odour.	(0.40) 0.40	
0.50 0.50	2	D PID	0.0ppm			Firm orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.30) 0.70	
Trial pit terminated at 0.70 m depth.								

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



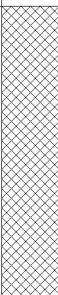
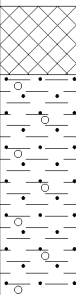
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP85-92B
Contract Ref: 27621	Start: 21.04.17 End: 21.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	1	D PID	0.0ppm			MADE GROUND: Very soft to soft brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, and rare brick, concrete and plastic sheet. 0.20m : concrete block 400 x 300 x 100 mm	(0.70)	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.70 (0.30)	
						Trial pit terminated at 1.00 m depth.	1.00	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.00	3	ES	susp ACM			MADE GROUND: Stiff dark brown, brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, occasional glass fragments, and rare brick fragments, concrete, plastic sheet and metal wire. Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.15	
0.10 0.10	1	D PID	0.0ppm				(0.50)	
0.50	2	D					0.65	
Trial pit terminated at 0.65 m depth.								

ARUN DISTRICT COUNCIL



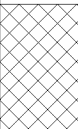
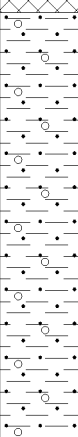
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP94
Contract Ref: 27621	Start: 21.04.17 End: 21.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20 0.20	1	D PID	0.0ppm			MADE GROUND: Stiff dark brown, brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, occasional glass fragments, and rare brick fragments, concrete, metal pipe, plastic sheet and tile. Rare rootlets. Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.30) 0.30	
							(0.45) 0.75	
						Trial pit terminated at 0.75 m depth.		

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. Three fragments of suspected asbestos cement found in raised up-area (undemeath footprint of proposed house), 80 to 90 mm in size.			
		All dimensions in metres		Scale: 1:17	
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:		

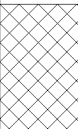
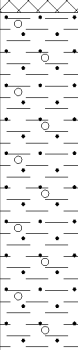


Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.15 0.15	1	D PID	0.0ppm			MADE GROUND: Stiff to very stiff dark brown, brown and orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is very angular to rounded fine to coarse flint, occasional concrete, and rare brick fragments, glass fragments, metal sheet, plastic sheet, and ash. 0.20m : concrete block 300 mm long x 200 mm diameter (possible fence post footing) Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.30) 0.30 (0.95) 1.25	 
						Trial pit terminated at 1.25 m depth.		

ARUN DISTRICT COUNCIL	Used: Machine dug	Used: Tracked excavator	By: EHughes	By: AGS
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Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP96
Contract Ref:	Start: 21.04.17	Ground Level:	Co-ordinates:	Sheet:
27621	End: 21.04.17	---	---	1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30 0.30	1	D PID PID	0.0ppm 0.1ppm			MADE GROUND: Very stiff dark brown and brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, and rare brick fragments, concrete and plastic sheet. Firm to stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) 0.30-1.00m : north and east faces only: MADE GROUND extends down to greater depth than west face 0.50m : east face only: concrete block 0.60m : north and east faces only: concrete cobble Trial pit terminated at 1.05 m depth.	(0.30) 0.30 (0.75) 1.05	 

Plan (Not to Scale)		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.	
Method Used: Machine dug		Plant Used: Tracked excavator	
Logged By: EHughes		Checked By: AGS	

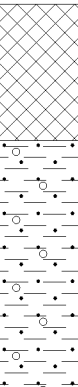


Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP98
Contract Ref:	Start: 21.04.17	Ground Level:	Co-ordinates:	Sheet:
27621	End: 21.04.17	---	---	1 of 1

[illegible]

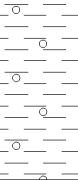
Plan (Not to Scale) Diagram showing a rectangular trial pit with a width of 2.00m and a depth of 0.40m.		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. Three fragments of suspected asbestos cement found, 30 to 50 mm in size.	
		All dimensions in metres	Scale: 1:17
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By: AGS



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10-0.30	1	D	0.5ppm			MADE GROUND: Stiff dark greyish brown, brown and occasionally orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, occasional brick fragments and glass fragments, and rare concrete, plastic sheet, hard plastic, asphalt, single unknown fibres, metal pipe and fibreglass. 16 fragments of suspected asbestos cement found, 20 to 200 mm in size.	(0.30)	
0.20 0.20	2	D PID				0.10m : concrete block 300 x 100 x 100 mm in size	0.30	
0.50	3	D				Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.55)	
						Trial pit terminated at 0.85 m depth.	0.85	

ARUN DISTRICT COUNCIL



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20 0.20	1	D PID	0.0ppm			MADE GROUND: Stiff dark greyish brown and brown sandy gravelly CLAY with a low cobble content. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, occasional glass fragments, and rare brick fragments concrete, plastic wrap, metal piece and wood fragments. Cobbles are subangular to rounded flint upto 75 mm in size. Stiff orangish brown sand slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.30) 0.30 (0.40) 0.70	 

ARUN DISTRICT COURT	Used: Machine dug	Used: Tracked excavator	By: EHughes	By: AGS
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FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP102
Contract Ref: 27621	Start: 21.04.17 End: 21.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10 0.10	1	D PID	0.1ppm			MADE GROUND: Firm to stiff dark brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, rare brick fragments and concrete.	(0.20) 0.20	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.45) 0.65	
						Trial pit terminated at 0.65 m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry during excavation. 2. Top 0.20 m unstable due to high desiccation; soil is like dust. 3. Backfilled with arisings. 4. No suspected asbestos fragments observed.		
		All dimensions in metres	Scale:	1:17
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP103
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20 0.20	1	D PID	0.1ppm			MADE GROUND: Very stiff dark brown, brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint and rare concrete and brick fragments.	(0.30)	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.30 (0.45)	
						Trial pit terminated at 0.75 m depth.	0.75	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP104
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20 0.20	1	D PID	0.2ppm			MADE GROUND: Very stiff dark brown, brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint and rare concrete and brick fragments. 6 fragments of suspected asbestos cement found throughout, 20 mm to 50 mm in size.	(0.30) 0.30	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.40) 0.70	
						Trial pit terminated at 0.70 m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP105
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	1	D PID	0.3ppm			MADE GROUND: Firm dark brown, brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, occasional brick fragments, glass fragments, concrete and wood remains, and rare tile, plastic wrapping, metal piece and hard plastic. 7 fragments of suspected asbestos cement found throughout, 45 mm to 90 mm in size. Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. Occasional dark grey mottling. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.60 m depth.	(0.40) 0.40 (0.20) 0.60	

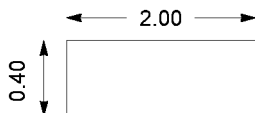
Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP106
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10 0.10	1	D PID	0.0ppm			MADE GROUND: Very soft to soft brown slightly sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse flint, occasional concrete and rare brick fragments. Cobbles are angular to subrounded concrete upto 250 mm in size. No odour.	(0.30) 0.30	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.30) 0.60	
						Trial pit terminated at 0.60 m depth.		

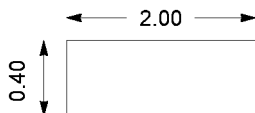
Plan (Not to Scale) 	General Remarks 1. Trial pit excavated close to standing water. 2. Trial pit remained dry during excavation. 3. Top 0.20 m unstable due to very soft consistency. 4. Backfilled with arisings. 5. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17	
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By: 



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP107
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

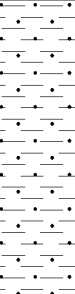
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10 0.10	1	D PID	0.1ppm			MADE GROUND: Stiff dark brown and brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint, occasional glass fragments, and rare brick fragments, concrete, metal pipe, metal reinforcing and plastic sheet. 3 fragments of suspected asbestos cement found, 45 to 90 mm in size. Firm orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.20) 0.20	
0.50	2	D					(0.50)	
							0.70	
Trial pit terminated at 0.70 m depth.								

Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings.			
All dimensions in metres				Scale:	1:17
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	EHughes			





Contract:		Client:		Trial Pit:
Land at West End Nursery, Angmering		Cala Homes (South Home Counties) Ltd		TPP108
Contract Ref:	Start: 20.04.17	Ground Level:	Co-ordinates:	Sheet:
27621	End: 20.04.17	---	---	1 of 1

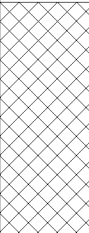
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Firm brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint, occasional concrete, and rare brick fragments, tile, glass fragments, metal screw, plastic sheet and wood fragments. Firm orangish brown sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	(0.20) 0.20 (0.65) 0.85	 

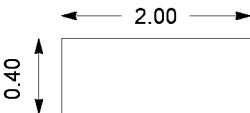
Plan (Not to Scale)		General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.	
Method Used: Machine dug		Plant Used: Tracked excavator	
Logged By: EHughes		Checked By: AGS	



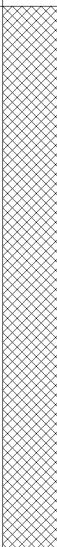
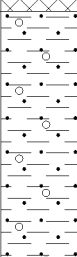
FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering			Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP109
Contract Ref: 27621	Start: 20.04.17 End: 20.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1	

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Soft to firm dark brown sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, and rare concrete, brick fragments and wood fragments. 0.20m : becoming stiff 0.20-0.30m : concrete slab 400 x 400 x 150 mm in size Firm to stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is very angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.70 m depth.	(0.55) 0.55 0.70	 

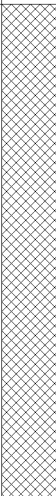
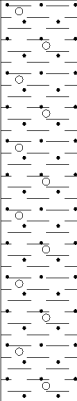
Plan (Not to Scale)		General Remarks			
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. Single fragment of suspected asbestos cement found, 25 x 15 x 5 mm in size.			
		All dimensions in metres		Scale:	1:17
Method Used:	Plant Used:	Logged By:	Checked By:		
Machine dug	Tracked excavator	EHughes			



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50	1	D PID	1.0ppm			MADE GROUND: Brown and orangish brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, and rare brick fragments, concrete, glass fragments, hard plastic, wood fragments, metal pipe and metal reinforcing. Rare half brick.	(0.20)	
0.50						MADE GROUND: Stiff dark brown, greyish brown and orangish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, and rare brick fragments, glass fragments and plastic sheet. Occasional plant remains. Weak organic odour.	(0.45)	
0.70		PID	2.0ppm			Firm to stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to subrounded fine to coarse flint. Rare dark brown mottling. (RIVER TERRACE DEPOSITS) 0.70-0.90m : southeast and northeast comers of pit only: concrete blocks upto 150 mm in size	(0.55)	
					1.20			
Trial pit terminated at 1.20 m depth.								

ARUN DISTRICT COUNCIL



Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.20 0.20	1	D PID	0.0ppm			Dark brown clayey gravelly SAND. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint.	(0.20) 0.20	
						Firm orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.90)	
0.60 0.60	2	D PID	0.0ppm				Trial pit terminated at 1.10 m depth.	1.10

ARUN DISTRICT COURT Case No. 155/21/DC

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP112
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	2S	D PID	0.0ppm			MADE GROUND: Stiff brown slightly sandy slightly gravelly CLAY with a low cobble content. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint, and rare concrete, black plastic clip and glass fragments. Cobbles are subangular concrete upto 180 mm in size. Frequent rootlets.	(0.20) 0.20	
0.45 0.45	1N	D PID	0.0ppm			MADE GROUND: Soft to firm dark brown, brown and orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint and rare concrete. Weak organic odour. 0.20-0.45m : south and east faces only: stiff greyish brown mottled orangish brown occasional and reddish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. 0.30m : west face only: concrete cobble 0.40m : north face only: plastic bag	(0.40) 0.60 0.75	
						Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.75 m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP113
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40 0.40	1	D PID	0.0ppm			MADE GROUND: Stiff brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, occasional brick fragments, and rare wood fragments, organic remains and concrete. Cobbles are angular to subrounded half brick, whole brick and concrete upto 120 mm in size. 0.10m : north face only: rope 0.50m : northeast corner only: disused electric cable (no response on CAT) 0.50-0.51m : single fragment of suspected asbestos cement, 160 x 110 x 5 mm in size 0.55m : south face only: white plastic bag	(0.60) 0.60	
0.70 0.70	2	D PID	0.0ppm			MADE GROUND: Stiff brown, orangish brown and greyish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. 0.60-0.65m : north face only: disused grey metal pipe 0.70-0.80m : base of north side only: angular concrete cobble 0.80m : disused blue plastic water pipe MADE GROUND: Firm to stiff dark brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Occasional polystyrene foam pellets. Trial pit terminated at 0.90 m depth.	(0.25) 0.85 0.90	

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. Single fragment of suspected asbestos cement found 1.50 m north of TP113, 60 x 40 x 5 mm in size.		
		All dimensions in metres	Scale:	1:17
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP114
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			TOPSOIL: Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Occasional rootlets. Stiff orangish brown and brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Stiff brown, greyish brown occasionally mottled orangish brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.10 0.25 (0.25) 0.50 (0.40) 0.90	
Trial pit terminated at 0.90 m depth.								

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	

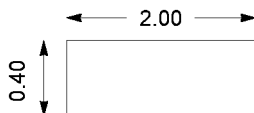


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP115
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.35 0.35	1	D PID	0.0ppm			TOPSOIL: Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. Occasional rootlets. Stiff orangish brown and brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Stiff brown, greyish brown occasionally mottled orangish brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Stiff orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.65 m depth.	0.10 (0.20) 0.30 (0.30) 0.60 0.65	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:





FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP116
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

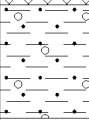
Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30 0.30	1	D PID	0.0ppm			MADE GROUND: Firm brown slightly sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is subangular to rounded fine to coarse flint. Cobbles are subangular flint up to 80 mm in size. Occasional rootlets. MADE GROUND: Stiff brown and orangish brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint. MADE GROUND: Stiff brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, and rare brick fragments.	0.15 (0.20) 0.35	
0.70		PID	0.0ppm			Firm orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.20) 0.65 0.85	
Trial pit terminated at 0.85 m depth.								

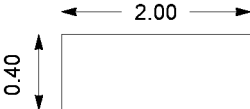
Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17		
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	



FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP117
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Stiff brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint and rare concrete. Cobbles are angular concrete upto 100 mm in size. Occasional rootlets. MADE GROUND: Firm orangish brown very gravelly CLAY. Gravel is subangular to rounded fine to coarse flint. MADE GROUND: Firm to stiff brown mottled reddish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint and rare brick. Firm orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS) Trial pit terminated at 0.80 m depth.	(0.35) 0.35 0.40 0.55 (0.25) 0.80	  

Plan (Not to Scale) 	General Remarks 1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
All dimensions in metres		Scale: 1:17	
Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By: 

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP118
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Stiff brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is very angular to rounded fine to coarse flint and rare concrete. Cobbles are angular concrete upto 90 mm in size. Occasional rootlets.	(0.35)	
						MADE GROUND: Firm orangish brown very gravelly CLAY. Gravel is very angular to rounded fine to coarse flint.	0.35 0.40	
						MADE GROUND: Firm to stiff brown mottled reddish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint and rare brick.	(0.25) 0.65	
						Firm orangish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.80	
						Trial pit terminated at 0.80 m depth.		

Plan (Not to Scale)		General Remarks		
		1. Trial pit remained dry and stable during excavation. 2. Backfilled with arisings. 3. No suspected asbestos fragments observed.		
		All dimensions in metres	Scale:	1:17
Method Used:	Plant Used:	Logged By:	Checked By:	
Machine dug	Tracked excavator	EHughes		

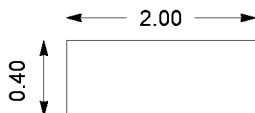


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP119
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			TOPSOIL: Soft to firm brown and orangish brown sandy gravelly CLAY. Sand is fine to medium. Gravel is very angular to rounded fine to coarse flint.	(0.25)	
						POSSIBLE REWORKED NATURAL: Firm orangish brown very gravelly CLAY. Gravel is very angular fine to coarse flint.	0.25 0.30	
						POSSIBLE REWORKED NATURAL: Firm orangish brown mottled reddish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint and rare chalk.	(0.40)	
						Trial pit terminated at 0.70 m depth.	0.70	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By: AGS
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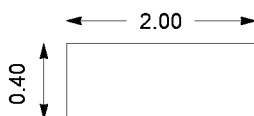


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP120
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.30	1	D PID	0.0ppm			MADE GROUND: Firm brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, occasional concrete, and rare brick fragments, glass fragments, wood fragments and metal fragments. Cobbles are subangular concrete upto 280 mm in size.	(0.30)	
0.30						Firm orangish brown mottled reddish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	0.30	
0.50		PID	0.0ppm				(0.50)	
						Trial pit terminated at 0.80 m depth.	0.80	

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry during excavation.
2. Top 0.30 m unstable due to high desiccation.
3. Backfilled with arisings.
4. No suspected asbestos fragments observed.

All dimensions in metres

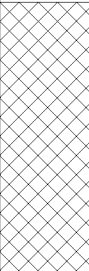
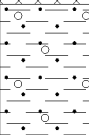
Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: EHughes	Checked By:	
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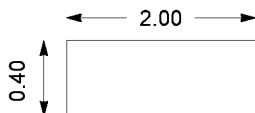


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPP121
Contract Ref: 27621	Start: 24.04.17 End: 24.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	D PID	0.0ppm			MADE GROUND: Firm brown sandy gravelly CLAY with a low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, and rare glass fragments, brick fragments, concrete, metal pipe, plastic strap and screwdriver. Cobbles are whole and half bricks. 2 fragments of suspected asbestos cement found, 45 to 70 mm in size. 0.30m : disused yellow-sheathed electric cable (no signal on CAT) 0.40-0.60m : only artificial material is rare glass fragments Firm orangish brown mottled reddish brown sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS)	(0.60) 0.60 (0.30) 0.90	 
						Trial pit terminated at 0.90 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **EHughes**

Checked

By:





Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
						MADE GROUND: Brown clayey gravelly SAND. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete.	0.15	
0.30 0.30	1	ES PID	Tub+Jar+Vial 1.1ppm			MADE GROUND: Black clayey gravelly SAND with a medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete. Cobbles are angular brick and concrete. Strong hydrocarbon odour.	(0.85)	
						Soft to firm orangish brown silty sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)	1.00	
1.10 1.10	2	ES PID	Tub+Jar+Vial 0.5ppm			Trial pit terminated at 1.10 m depth.	1.10	

ARUN DISTRICT COUNCIL

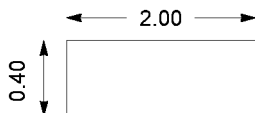


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPBOILER2
Contract Ref: 27621	Start: 25.04.17 End: 25.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40 0.40	1	ES PID	Tub+Jar+Vial 0.6ppm			MADE GROUND - ROAD SURFACE: Light brown clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete. Cobbles are brick, concrete and flint.	(0.30) 0.30	
						MADE GROUND: Black clayey gravelly SAND with a medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse brick fragments, reinforced concrete and steel frame. Cobbles are angular whole brick. Weak hydrocarbon odour.	(0.50) 0.80	
0.90 0.90	2	ES PID	Tub+Jar+Vial 0.3ppm			Soft to firm orangish brown silty sandy CLAY. Sand is fine to medium.	(0.60) 1.40	
						Trial pit terminated at 1.40 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method Used: Machine dug	Plant Used: Tracked excavator	Logged By: CLewis	Checked By:	
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Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.20	1	ES	Tub+Jar+Vial			MADE GROUND: Brown clayey gravelly SAND. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete.	(1.10)	
0.70	2	ES	Tub+Jar+Vial			0.60-1.10m : north quarter of pit only: MADE GROUND: Black clayey gravelly SAND with a medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse brick fragments, concrete. Cobbles are angular whole brick. Weak hydrocarbon odour.		
0.70	3	PID	5.9ppm					
0.80		ES	Tub+Jar+Vial					
0.80	PID	2.1ppm	1.10					
1.50	4	ES PID	Tub+Jar+Vial 0.0ppm				MADE GROUND: Brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded flint and rare brick fragments.	(0.50)
1.50							1.60	
						Soft to firm orangish brown silty sandy CLAY. Sand is fine to medium.	(0.20)	
			1.80					
						Trial pit terminated at 1.80 m depth.		

ARUN DISTRICT COUNCIL

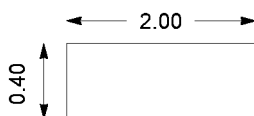


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPBOILER4
Contract Ref: 27621	Start: 25.04.17 End: 25.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.40 0.40	1	ES PID	Tub+Jar+Vial 3.1ppm			MADE GROUND - ROAD SURFACE: Light brown clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete. Cobbles are brick, concrete and flint. MADE GROUND: Black clayey gravelly SAND with a medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse brick fragments and concrete. Cobbles are angular whole brick. Weak hydrocarbon odour. MADE GROUND: CHALK composed of yellowish white silty sandy GRAVEL. Sand is fine to coarse chalk. Gravel is angular to subrounded fine to coarse chalk.	(0.30) 0.30 (0.20) 0.50 (0.30) 0.80	
0.90 0.90	2	ES PID	Tub+Jar+Vial 1.0ppm			Soft to firm orangish brown silty sandy CLAY. Sand is fine to medium.	(0.30) 1.10	
Trial pit terminated at 1.10 m depth.								

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used: **Tracked excavator**

Logged

By: **CLewis**

Checked

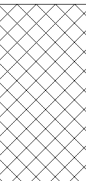
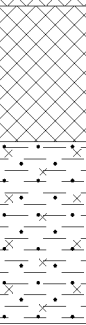
By:



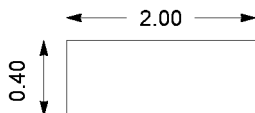


FINAL TRIAL PIT LOG

Contract: Land at West End Nursery, Angmering		Client: Cala Homes (South Home Counties) Ltd		Trial Pit: TPBOILER5
Contract Ref: 27621	Start: 25.04.17 End: 25.04.17	Ground Level: ---	Co-ordinates: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill	Description of Strata	Depth (Thick ness)	Material Graphic Legend
Depth	No	Type	Results					
0.50 0.50	1	ES PID	Tub+Jar+Vial 3.1ppm			MADE GROUND - ROAD SURFACE: Light brown clayey gravelly SAND with a low cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse flint, brick fragments and concrete. Cobbles are brick, concrete and flint.	(0.40)	
						MADE GROUND: Black clayey gravelly SAND with a medium cobble content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse brick fragments, concrete, wood fragments and glass fragments. Cobbles are angular whole brick. Weak hydrocarbon odour.	0.40	
0.80 0.80	2	ES PID	Tub+Jar+Vial 0.2ppm			Soft to firm orangish brown silty sandy CLAY. Sand is fine to medium.	(0.30)	
							0.70	
							(0.40)	
							1.10	
						Trial pit terminated at 1.10 m depth.		

Plan (Not to Scale)



General Remarks

1. Trial pit remained dry and stable during excavation.
2. Backfilled with arisings.
3. No suspected asbestos fragments observed.

All dimensions in metres

Scale: **1:17**

Method

Used: **Machine dug**

Plant

Used:

Tracked excavator

Logged

By:

CLewis

Checked

By:





APPENDIX D

LABORATORY RESULTS

FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 17/02834/2

Envirolab Job Number: 17/02834
Issue Number: 3
Date: 12 June, 2017

Client: RSK Environment Ltd Romsey
Unit 18 Basepoint Abbey Enterprise Centre
Premier Way
Romsey
Hampshire
SO51 9AQ

Project Manager: Cathy Latimer/Craig Lewis/Ed Hughes
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 24/04/17
Date Instructions Received: 25/04/17
Date Analysis Completed: 09/06/17

Prepared by:

Approved by:

Kate Keningale
Administrative Assistant

Iain Haslock
Analytical Consultant

Envirolab Job Number: 17/02834

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02834/1	17/02834/2	17/02834/3	17/02834/5	17/02834/6	17/02834/7	17/02834/8	17/02834/9	Units	Method ref
Client Sample No						1S				
Client Sample ID	TPP80	TPP83	TPP81	TPP82	TPP68	TPP67	TPP66	TPP65		
Depth to Top	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
Depth To Bottom	0.60									
Date Sampled	19-Apr-17	19-Apr-17	19-Apr-17	19-Apr-17	19-Apr-17	18-Apr-17	18-Apr-17	18-Apr-17		
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Sample Matrix Code	4A	3	3A	3A	5A	3A	1	3A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	Chrysotile	NAD	NAD	NAD	Crocidolite & Chrysotile	NAD	NAD	NAD		A-T-045
Asbestos Matrix (microscope) _A	Loose fibres	-	-	-	Loose fibres	-	-	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	0.001	-	-	-	<0.001	-	-	-	% w/w	A-T-054

Envirolab Job Number: 17/02834

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02834/12	17/02834/13							Units	Method ref
Client Sample No										
Client Sample ID	TPP84	TPP66								
Depth to Top	0.60	0.75								
Depth To Bottom										
Date Sampled	19-Apr-17	18-Apr-17								
Sample Type	Soil	Soil								
Sample Matrix Code	4AB	4AB								
% Stones >10mm _A [#]	<0.1	<0.1							% w/w	A-T-044

Envirolab Job Number: 17/02834

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02834/12	17/02834/13							Units	Method ref
Client Sample No										
Client Sample ID	TPP84	TPP66								
Depth to Top	0.60	0.75								
Depth To Bottom										
Date Sampled	19-Apr-17	18-Apr-17								
Sample Type	Soil	Soil								
Sample Matrix Code	4AB	4AB								
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	Chrysotile	Chrysotile								A-T-045
Asbestos Matrix (microscope) _A	Loose fibres	Loose fibres								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A								
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	0.009	<0.001							% w/w	A-T-054

Envirolab Job Number: 17/02834

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02834/12	17/02834/13							Units	Method ref
Client Sample No										
Client Sample ID	TPP84	TPP66								
Depth to Top	0.60	0.75								
Depth To Bottom										
Date Sampled	19-Apr-17	18-Apr-17								
Sample Type	Soil	Soil								
Sample Matrix Code	4AB	4AB								
PAH 16										
Acenaphthene _A ^{M#}	0.61	1.00							mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	0.16	0.03							mg/kg	A-T-019s
Anthracene _A ^{M#}	0.74	1.19							mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	3.01	3.11							mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	2.26	2.29							mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	2.65	2.64							mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	1.27	1.45							mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	0.98	0.89							mg/kg	A-T-019s
Chrysene _A ^{M#}	2.82	3.05							mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	0.29	0.31							mg/kg	A-T-019s
Fluoranthene _A ^{M#}	5.54	7.69							mg/kg	A-T-019s
Fluorene _A ^{M#}	1.06	0.81							mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	1.46	1.59							mg/kg	A-T-019s
Naphthalene _A ^{M#}	0.20	0.22							mg/kg	A-T-019s
Phenanthrene _A ^{M#}	3.19	4.73							mg/kg	A-T-019s
Pyrene _A ^{M#}	5.19	6.84							mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	31.3	37.8							mg/kg	A-T-019s

Envirolab Job Number: 17/02834

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02834/12	17/02834/13							Units	Method ref
Client Sample No										
Client Sample ID	TPP84	TPP66								
Depth to Top	0.60	0.75								
Depth To Bottom										
Date Sampled	19-Apr-17	18-Apr-17								
Sample Type	Soil	Soil								
Sample Matrix Code	4AB	4AB								
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01							mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01							mg/kg	A-T-022s
Ali >C8-C10 _A [#]	0.06	<0.01							mg/kg	A-T-022s
Ali >C10-C12 _A [#]	7.7	<0.1							mg/kg	A-T-023s
Ali >C12-C16 _A [#]	66.5	4.8							mg/kg	A-T-023s
Ali >C16-C21 _A [#]	115	14.8							mg/kg	A-T-023s
Ali >C21-C35 _A [#]	33.6	21.8							mg/kg	A-T-023s
Total Aliphatics _A	222	41.4							mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01							mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01							mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01							mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	0.03							mg/kg	A-T-022s
Aro >C10-C12 _A [#]	3.4	<0.1							mg/kg	A-T-023s
Aro >C12-C16 _A [#]	48.1	10.3							mg/kg	A-T-023s
Aro >C16-C21 _A [#]	77.4	41.7							mg/kg	A-T-023s
Aro >C21-C35 _A [#]	33.1	47.2							mg/kg	A-T-023s
Total Aromatics _A	162	99.3							mg/kg	A-T-023s
TPH (Ali & Aro) _A	384	141							mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01							mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01							mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01							mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01							mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01							mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01							mg/kg	A-T-022s

REPORT NOTES

General:

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All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 17/02863/2

Envirolab Job Number: 17/02863
Issue Number: 3
Date: 27 June, 2017

Client: RSK Environment Ltd Hemel
18 Frogmore Road
Hemel Hempstead
Hertfordshire
UK
HP3 9RT

Project Manager: Catherine Latimer/Edward Hughes/Nigel Austin
Project Name: Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 25/04/17
Date Instructions Received: 02/06/17
Date Analysis Completed: 27/06/17

Prepared by:

Approved by:

Kate Keningale
Administrative Assistant

Richard Wong
Client Service Manager

Envirolab Job Number: 17/02863

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02863/1	17/02863/2	17/02863/3	17/02863/4	17/02863/6	17/02863/7	17/02863/8	17/02863/9	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	TPP108	TPP109	TPP110	TPP85-92A	TPP 107	TPP 106	TPP 105	TPP 104		
Depth to Top	0.50	0.50	0.50	0.10	0.10	0.10	0.30	0.20		
Depth To Bottom										
Date Sampled	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17		
Sample Type	Soil - D	Soil - D	Soil - ES	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	3	6A	6A	3A	6A	6AE	6A	6A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	Chrysotile	Chrysotile	Amosite & Chrysotile	NAD		A-T-045
Asbestos Matrix (microscope) _A	-	-	-	-	Loose Fibres	Loose Fibres	Loose Fibres	-		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) ₀	-	-	-	-	<0.001	<0.001	0.050	-	% w/w	A-T-054

Envirolab Job Number: 17/02863

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02863/10	17/02863/11	17/02863/12	17/02863/13	17/02863/15	17/02863/16	17/02863/17	17/02863/19	Units	Method ref
Client Sample No	1	1	1	2	1	1	2	1		
Client Sample ID	TPP 103	TPP 102	TPP 101	TPP 99	TPP 96	TPP 95	TPP 93	TPP79		
Depth to Top	0.20	0.10	0.20	0.10	0.30	0.15	0.50	0.50		
Depth To Bottom										
Date Sampled	20-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	19-Apr-17		
Sample Type	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	6A	3A	6A	6AE	3A	6AE	3	3A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 17/02863

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02863/20	17/02863/21	17/02863/22	17/02863/23	17/02863/25	17/02863/26	17/02863/27	17/02863/28	Units	Method ref
Client Sample No	1	1	1	1	1	1	1	1		
Client Sample ID	TPP78	TPP72	TPP75	TPP76	TPP77	TPP73	TPP74	TPP 85-92B		
Depth to Top	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.30		
Depth To Bottom	0.60									
Date Sampled	19-Apr-17	19-Apr-17	19-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	21-Apr-17		
Sample Type	Soil - D	Soil - D	Soil - D	Soil - ES	Soil - D	Soil - D	Soil - D	Soil - D		
Sample Matrix Code	3A	1A	4A	6A	6A	4A	3A	5A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 17/02863

Client Project Name: Angmering

Client Project Ref: 27621

Lab Sample ID	17/02863/29	17/02863/30	17/02863/31	17/02863/32	17/02863/33				Units	Method ref
Client Sample No	1	1	1	1	3					
Client Sample ID	TPP 93	TPP 94	TPP 98	TPP 99	TPP 93					
Depth to Top	0.10	0.20	0.20	0.10	0.10					
Depth To Bottom				0.30						
Date Sampled	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17					
Sample Type	Soil - D	Soil - D	Soil - D	Solid - Fragment / Tile	Solid - Fragment / Tile					
Sample Matrix Code	6A	6AE	6A	8	8					
Asbestos in Soil (inc. matrix)										
Asbestos in soil _A [#]	Chrysotile	Chrysotile	Amosite & Chrysotile	-	-					A-T-045
Asbestos Matrix (microscope) _A	Loose Fibres	Loose Fibres	Loose Fibres	-	-					A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	-	-					
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing) _D	<0.001	0.006	0.001	-	-				% w/w	A-T-054
Bulk Fibre ID (inc. matrix)										
Bulk Fibre Identification _A [#]	-	-	-	Chrysotile	Chrysotile					A-T-045
Bulk Fibre Identification Matrix (visual) _A	-	-	-	Cement	Cement					A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test? _D	-	-	-	YES	YES					Gravimetry
Bulk Fibre Quantification % Asbestos in ACM										
Bulk Fibre - % Asbestos in ACM (HSG264) _D	-	-	-	15	15				% w/w	A-T-054

REPORT NOTES

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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal,

E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

FINAL ANALYTICAL TEST REPORT SUPPLEMENT TO TEST REPORT 17/02965/1

Envirolab Job Number: 17/02965
Issue Number: 2

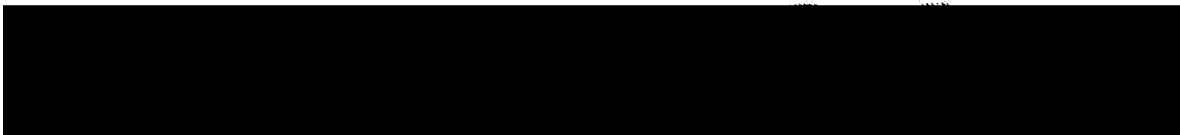
Date: 17 May, 2017

Client: RSK Environment Ltd Romsey
Unit 18 Basepoint Abbey Enterprise Centre
Premier Way
Romsey
Hampshire
SO51 9AQ

Project Manager: Cathy Latimer/Craig Lewis
Project Name: Former West End Nursery, Angmering
Project Ref: 27621
Order No: N/A
Date Samples Received: 27/04/17
Date Instructions Received: 28/04/17
Date Analysis Completed: 10/05/17

Prepared by:

Approved by:



Melanie Marshall
Laboratory Coordinator

Richard Wong
Client Service Manager

Envirolab Job Number: 17/02965

Client Project Name: Former West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	17/02965/1	17/02965/2	17/02965/3	17/02965/4	17/02965/5	17/02965/6	17/02965/7	17/02965/8	Units	Method ref
Client Sample No										
Client Sample ID	VPOS1	VPOS2	VPOS3	VPOS4	TPBOILER1	TPBOILER2	TPBOILER3	TPBOILER5		
Depth to Top	0.3	0.2	0.1	0.4	0.3	0.4	0.7	0.5		
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	5A	5A	5A	6A	6AE	6AE	6A		
% Stones >10mm _A [#]	<0.1	27.4	11.7	25.4	2.8	11.9	21.7	21.8	% w/w	A-T-044
pH _D ^{M#}	6.60	7.66	7.81	7.66	-	-	-	-	pH	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.14	0.07	0.11	0.06	-	-	-	-	g/l	A-T-026s
Sulphate (acid soluble) _D ^{M#}	450	<200	350	<200	-	-	-	-	mg/kg	A-T-028s
Arsenic _D ^{M#}	2	4	<1	<1	-	-	-	-	mg/kg	A-T-024s
Cadmium _D ^{M#}	0.6	0.8	0.6	0.5	-	-	-	-	mg/kg	A-T-024s
Copper _D ^{M#}	13	9	11	7	-	-	-	-	mg/kg	A-T-024s
Chromium _D ^{M#}	25	17	23	19	-	-	-	-	mg/kg	A-T-024s
Chromium (hexavalent) _D	<1	<1	<1	<1	-	-	-	-	mg/kg	A-T-040s
Lead _D ^{M#}	14	10	16	10	-	-	-	-	mg/kg	A-T-024s
Mercury _D	<0.17	<0.17	<0.17	<0.17	-	-	-	-	mg/kg	A-T-024s
Nickel _D ^{M#}	25	23	19	18	-	-	-	-	mg/kg	A-T-024s
Selenium _D	<1	<1	<1	<1	-	-	-	-	mg/kg	A-T-024s
Zinc _D ^{M#}	47	38	50	34	-	-	-	-	mg/kg	A-T-024s

Envirolab Job Number: 17/02965

Client Project Name: Former West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	17/02965/1	17/02965/2	17/02965/3	17/02965/4	17/02965/5	17/02965/6	17/02965/7	17/02965/8	Units	Method ref
Client Sample No										
Client Sample ID	VPOS1	VPOS2	VPOS3	VPOS4	TPBOILER1	TPBOILER2	TPBOILER3	TPBOILER5		
Depth to Top	0.3	0.2	0.1	0.4	0.3	0.4	0.7	0.5		
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	5A	5A	5A	6A	6AE	6AE	6A		
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD		A-T-045
Asbestos ACM - Suitable for Water Absorption Test?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Envirolab Job Number: 17/02965

Client Project Name: Former West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	17/02965/1	17/02965/2	17/02965/3	17/02965/4	17/02965/5	17/02965/6	17/02965/7	17/02965/8	Units	Method ref
Client Sample No										
Client Sample ID	VPOS1	VPOS2	VPOS3	VPOS4	TPBOILER1	TPBOILER2	TPBOILER3	TPBOILER5		
Depth to Top	0.3	0.2	0.1	0.4	0.3	0.4	0.7	0.5		
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	5A	5A	5A	6A	6AE	6AE	6A		
PAH 16										
Acenaphthene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.23	0.29	mg/kg	A-T-019s
Acenaphthylene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.03	0.02	mg/kg	A-T-019s
Anthracene _A ^{M#}	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.31	0.33	mg/kg	A-T-019s
Benzo(a)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	0.48	1.21	1.06	mg/kg	A-T-019s
Benzo(a)pyrene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	0.36	1.17	0.94	mg/kg	A-T-019s
Benzo(b)fluoranthene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	0.48	1.50	1.13	mg/kg	A-T-019s
Benzo(ghi)perylene _A ^{M#}	<0.05	<0.05	<0.05	<0.05	<0.05	0.28	0.79	0.66	mg/kg	A-T-019s
Benzo(k)fluoranthene _A ^{M#}	<0.07	<0.07	<0.07	<0.07	<0.07	0.14	0.44	0.34	mg/kg	A-T-019s
Chrysene _A ^{M#}	<0.06	<0.06	<0.06	<0.06	<0.06	0.53	1.58	1.15	mg/kg	A-T-019s
Dibenzo(ah)anthracene _A ^{M#}	<0.04	<0.04	<0.04	<0.04	<0.04	0.05	0.15	0.12	mg/kg	A-T-019s
Fluoranthene _A ^{M#}	<0.08	<0.08	0.08	<0.08	<0.08	1.11	3.26	2.38	mg/kg	A-T-019s
Fluorene _A ^{M#}	<0.01	<0.01	<0.01	<0.01	0.04	0.06	0.22	0.25	mg/kg	A-T-019s
Indeno(123-cd)pyrene _A ^{M#}	<0.03	<0.03	0.03	<0.03	<0.03	0.31	0.91	0.78	mg/kg	A-T-019s
Naphthalene _A ^{M#}	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	0.14	0.05	mg/kg	A-T-019s
Phenanthrene _A ^{M#}	<0.03	<0.03	0.05	<0.03	0.09	0.49	0.84	1.47	mg/kg	A-T-019s
Pyrene _A ^{M#}	<0.07	<0.07	0.08	<0.07	<0.07	1.06	2.99	2.23	mg/kg	A-T-019s
PAH (total 16) _A ^{M#}	<0.08	<0.08	0.26	<0.08	0.16	5.60	15.8	13.2	mg/kg	A-T-019s

Envirolab Job Number: 17/02965

Client Project Name: Former West End Nursery, Angmering

Client Project Ref: 27621

Lab Sample ID	17/02965/1	17/02965/2	17/02965/3	17/02965/4	17/02965/5	17/02965/6	17/02965/7	17/02965/8	Units	Method ref
Client Sample No										
Client Sample ID	VPOS1	VPOS2	VPOS3	VPOS4	TPBOILER1	TPBOILER2	TPBOILER3	TPBOILER5		
Depth to Top	0.3	0.2	0.1	0.4	0.3	0.4	0.7	0.5		
Depth To Bottom										
Date Sampled	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17		
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES		
Sample Matrix Code	5	5A	5A	5A	6A	6AE	6AE	6A		
TPH CWG										
Ali >C5-C6 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C6-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C8-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Ali >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.7	<0.1	mg/kg	A-T-023s
Ali >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.9	<0.1	mg/kg	A-T-023s
Ali >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	15.8	<0.1	mg/kg	A-T-023s
Ali >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.5	<0.1	mg/kg	A-T-023s
Total Aliphatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	30.6	<0.1	mg/kg	A-T-023s
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C8-C9 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
Aro >C9-C10 _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	mg/kg	A-T-022s
Aro >C10-C12 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.1	<0.1	mg/kg	A-T-023s
Aro >C12-C16 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	8.8	6.3	mg/kg	A-T-023s
Aro >C16-C21 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	1.0	14.6	20.1	mg/kg	A-T-023s
Aro >C21-C35 _A [#]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	8.7	37.7	mg/kg	A-T-023s
Total Aromatics _A	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	34.1	64.1	mg/kg	A-T-023s
TPH (Ali & Aro) _A	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	64.8	64.1	mg/kg	A-T-023s
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
BTEX - o Xylene _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	A-T-022s

REPORT NOTES

General:

This report shall not be reproduced, except in full, without written approval from Envirolab.

All samples contained within this report, and any received with the same delivery, will be disposed of one month after the date of this report.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Soil chemical analysis:

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts

All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos:

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.

Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

Secondary Matrix Codes:

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.



APPENDIX E

RSK GAC FOR RESIDENTIAL END USE WITH HOME GROWN PRODUCE

Generic assessment criteria for human health: residential scenario with home-grown produce

Background

RSK's generic assessment criteria (GAC) were initially prepared following the publication by the Environment Agency (EA) of soil guideline value (SGV) and toxicological (TOX) reports, and associated publications in 2009⁽¹⁾. RSK GAC were updated following the publication of GAC by LQM/CIEH in 2009⁽²⁾. RSK GAC are periodically revised when updated information on toxicological, land use or receptor parameters is published.

Updates to the RSK GAC: 2015

In 2014, the publication of Category 4 Screening Levels (C4SL)^(3,4), as part of the Defra-funded research project SP1010, included modifications to certain exposure assumptions documented within EA Science Report SC050221/SR3 (herein after referred to as SR3)⁽⁵⁾ used in the generation of SGVs.

C4SL were published for six substances (cadmium, arsenic, benzene, benzo(a)pyrene, chromium VI and lead) for a sandy loam soil type with 6% soil organic matter, based on a low level of toxicological concern (LLTC; see Section 2.3 of research project report SP1010⁽³⁾). Where a C4SL has been published, the RSK GAC duplicates the C4SL published values using all input parameters within the SP1010 final project report⁽³⁾ and associated appendices⁽⁶⁾, and adopts them as GAC for these six substances.

For all other substances the C4SL exposure modifications, with the exception of the "top two" produce type approach taken in the C4SL, have been applied to the current RSK GAC. These include alterations to daily inhalation rates for residential and commercial scenarios, reducing soil adherence factors in children (age classes 1 to 12 only) for residential land use, reducing exposure frequency for dermal contact outdoors for residential land use, and updated produce type consumption rates (90th percentile) based on recent data from the National Diet and Nutrition Survey.

The RSK GAC have also been revised with updated toxicology published by LQM/CIEH in 2015⁽⁷⁾, where a C4SL has not been published.

RSK GAC derivation for metals and organic compounds

Model selection

Soil assessment criteria (SAC) were calculated using the Contaminated Land Exposure Assessment (CLEA) tool v1.06, supporting EA guidance^(5,8,9) and revised exposure scenarios published for the C4SL⁽³⁾. Groundwater assessment criteria (GrAC) protective of human health via the inhalation pathway were derived using the RBCA 1.3b model. RSK has updated the inputs within RBCA to reflect EA guidance^(1,5,8,9). The SAC and GrAC collectively are termed GAC.

Conceptual model

In accordance with SR3⁽⁵⁾, the residential with home-grown produce scenario considers risks to a female child between the ages of 0 and 6 years old as the highest risk scenario. In accordance

with Box 3.1 of SR3⁽⁵⁾, the pathways considered for production of the SAC in the residential with home-grown produce scenario are

- direct soil and dust ingestion
- consumption of home-grown produce
- consumption of soil attached to home-grown produce
- dermal contact with soil and indoor dust
- inhalation of indoor and outdoor dust and vapours.

Figure 1 is a conceptual model illustrating these linkages.

In line with guidance in the EA SGV report for cadmium⁽¹⁾, the RSK GAC for cadmium has been derived based on estimates representative of lifetime exposure. Although young children are generally more likely to have higher exposures to soil contaminants, the renal toxicity of cadmium, and the derivation of the TDI_{oral} and TDI_{inh} , are based on considerations of the kidney burden accumulated over 50 years or so. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period.

The pathway considered in production of the GrAC is the volatilisation of compounds from groundwater and subsequent vapour inhalation by residents while indoors. Figure 2 illustrates this linkage. Although the outdoor air inhalation pathway is also valid, this contributes little to the overall risks owing to the dilution in outdoor air. Within RBCA, the solubility limit of the chemical restricts the extent of volatilisation, which in turn drives the indoor air inhalation pathway. While the same restriction is not built into the CLEA model, the CLEA model output cells are flagged red where the soil saturation limit has been exceeded.

With respect to volatilisation, the CLEA model assumes a simple linear partitioning of a chemical in the soil between the sorbed, dissolved and vapour phase⁽⁹⁾. The upper boundaries of this partitioning are represented by the maximum aqueous solubility and pure saturated vapour concentration of the chemical. The CLEA model estimates saturated soil concentrations where these limits are reached⁽⁹⁾. The CLEA software uses a traffic light system to identify when individual and/or combined assessment criteria exceed the lower of either the aqueous- or vapour-based soil saturation limits. Model output cells are flagged red where the saturated soil concentration has been exceeded and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10%. In this case, further consideration of the following is required⁽⁹⁾:

- Free phase contamination may be present.
- Exposure from the vapour pathways will be over-predicted by the model, as in reality the vapour phase concentration will not increase at concentrations above saturation limits
- Where the vapour pathway contribution is greater than 90%, it is unlikely the relevant health criteria value (HCV) will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Where the vapour pathway is the predominant pathway (contributes greater than 90% of exposure) or the only exposure route considered and the cell is highlighted red (SAC exceeds saturation limit), the risk based on the assumed conceptual model is likely to be negligible as the vapour risk is assumed to be tolerable at maximum possible soil concentrations. In such circumstances, the vapour pathway exposure should be considered based on the presence of free phase or non-aqueous phase liquid sources and the measured concentrations of volatile organic compounds (VOC) in the vapour phase. Screening could be considered based on setting

the SAC as the modelled soil saturation limits. However, as stated within the CLEA handbook⁽⁹⁾, this is likely to not be practical in many cases because of the very low saturation limits and, in any case, is highly conservative.

It should also be noted that for mixtures of compounds, free phase may be present where soil (or groundwater) concentrations are well below saturation limits for individual compounds.

Where the vapour pathway is only one of the exposure pathways considered, an additional approach can then be utilised as detailed within Section 4.12 of the CLEA model handbook⁽⁹⁾, which explains how to calculate an effective assessment criterion manually.

SR3⁽⁵⁾ states that, as a general rule of thumb, it is recognised that estimating vapour phase concentrations from dissolved and sorbed phase contamination by petroleum hydrocarbons are at least a factor of ten higher than those likely to be measured on-site. RSK has therefore applied an empirical subsurface to indoor air correction factor of 10 into the CLEA model chemical database for all petroleum hydrocarbon fractions (including BTEX, trimethylbenzenes and the polycyclic aromatic hydrocarbons (PAH) naphthalene, acenaphthene and acenaphthylene) to reduce this conservatism.

Input selection

The most up-to-date published chemical and toxicological data was obtained from EA Report SC050021/SR7⁽¹⁰⁾, the EA TOX⁽¹¹⁾ reports, the C4SL SP1010 project report and associated appendices^(3,6) or the 2015 LQM/CIEH report⁽⁷⁾. Where a C4SL has been published, the RSK GAC have duplicated the C4SL published values using all input parameters within the SP1010 final project report⁽³⁾ and associated appendices⁽⁶⁾, and has adopted them as GAC for these six substances. Toxicological and specific chemical parameters for aromatic hydrocarbon C₈–C₉ (styrene), 1,2,4-trimethylbenzene and methyl tertiary-butyl ether (MTBE) were obtained from the CL:AIRE Soil Generic Assessment Criteria report⁽¹¹⁾.

For TPH, aromatic hydrocarbons C₅–C₈ were not modelled, as this range comprises benzene and toluene, which are modelled separately. The aromatic C₈–C₉ hydrocarbon fraction comprises ethylbenzene, xylene and styrene. As ethylbenzene and xylene are being modelled separately, the physical, chemical and toxicological data for aromatic C₈–C₉ have been taken from styrene.

For the GrAC, owing to the lack of UK-specific data, default information in the RBCA model was used to evaluate MTBE. No published UK data was available for 1,3,5-trimethylbenzene, so information was obtained from the RBCA model. RBCA uses toxicity data for the inhalation pathway in different units to the CLEA model and cannot consider separately the mean daily intake (MDI), occupancy periods or breathing rates. Therefore, the HCV in RBCA was amended to take account of

- amendments to the MDI using Table 3.4 of SR2⁽⁸⁾
- a child weighing 13.3kg (average of 0–6 year old female in accordance with Table 4.6 of SR3⁽⁵⁾) and breathing 11.85m³ (average daily inhalation rate for a 0–6-year old female in accordance with Table 4.14 of SR3⁽⁵⁾). Inhalation rates used in the derivation of the GrAC have not been updated in line with the 2011 USEPA published values⁽¹²⁾; these will be updated in subsequent revisions of the RSK GAC. The lower inhalation rates presented by the USEPA in 2011 for ages classes 1 to 11 (values are higher for age classes 12 to 18) are not considered to make a significant difference.
- the 50% rule (for petroleum hydrocarbons, trimethylbenzenes and MTBE)^(8,9) where MDI data is not available but background exposure is considered important in the overall exposure.

Physical parameters

For the residential with home-grown produce scenario, the CLEA default building is a small, two-storey terrace house with a concrete ground-bearing slab. The house is assumed to have a 100m² private garden consisting of lawn and flowerbeds, incorporating a 20m² plot for growing fruit and vegetables consumed by the residents. SR3⁽⁵⁾ notes this residential building type to be the most conservative in terms of potential for vapour intrusion. The building parameters used in the production of the RSK GACs are the default CLEA v1.06 inputs presented in Table 3.3 of SR3⁽³⁾, with a dust loading factor detailed in Section 9.3 of SR3⁽⁵⁾. The parameters for a sandy loam soil type were used in line with Table 4.4 of SR3⁽⁵⁾. This includes a value of 6% for the percentage of soil organic matter (SOM) within the soil. In RSK's experience, this is rather high for many sites. To avoid undertaking site-specific risk assessments for SOM, RSK has produced an additional set of GAC for SOM of 1% and 2.5% for all substances using the CLEA tool.

For the GrAC, the depth to groundwater was taken as 2.5m based on RSK's experience of assessing the volatilisation pathway from groundwater. The GrAC were produced using the input parameters in Table 4.

Summary of modifications to the default CLEA 1.06/SR3⁽⁵⁾ input parameters for residential with home-grown produce land-use scenario

In summary, the RSK GAC were produced using the default input parameters for soil properties, the air dispersion model, building properties and the vapour model detailed in SR3⁽⁵⁾. Modifications to the default SR3⁽⁵⁾ exposure scenarios based on the C4SL exposure scenarios⁽³⁾ are presented in Tables 2 and 3 below.

The final selected GAC are presented by pathway in Table 5 and the combined GAC in Table 6.

Figure 1: Conceptual model for residential scenario with home-grown produce

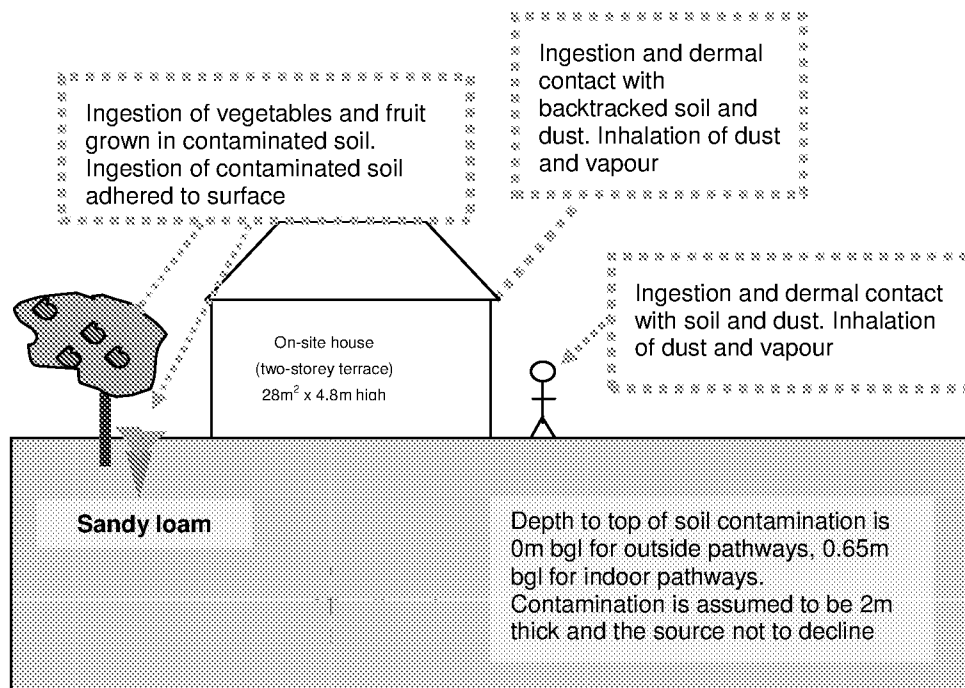


Table 1: Exposure assessment parameters for residential scenario with home-grown produce – inputs for CLEA model

Parameter	Value	Justification
Land use	Residential with homegrown produce	Chosen land use
Receptor	Female child age 1 to 6	Key generic assumption given in Box 3.1, SR3 ⁽⁵⁾
Building	Small terraced house	Key generic assumption given in Box 3.1, SR3. Small, two-storey terraced house chosen, as it is the most conservative residential building type in terms of protection from vapor intrusion (Section 3.4.6, SR3) ⁽⁵⁾
Soil type	Sandy Loam	Most common UK soil type (Section 4.3.1, from Table 3.1, SR3) ⁽⁵⁾
Start AC (age class)	1	Range of age classes corresponding to key generic assumption that the critical receptor is a young female child aged 0–6. From Box 3.1, SR3 ⁽⁵⁾
End AC (age class)	6	
SOM (%)	6	Representative of sandy loamy soil according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
	1	To provide SAC for sites where SOM <6% as often observed by RSK
	2.5	
pH	7	Model default

Table 2: Residential with home-grown produce – modified home-grown produce data

Name	Consumption rate 90 th percentile (g FW kg ⁻¹ BW day ⁻¹) by age class						Dry weight conversion factor (g DW g ⁻¹ FW)	Home-grown fraction (average)	Home-grown fraction (high end)	Soil loading factor (g g ⁻¹ DW)	Preparation correction factor
	1	2	3	4	5	6					
Green vegetables	7.12	5.87	5.87	5.87	4.53	4.53	0.096	0.05	0.33	1.00E-03	2.00E-01
Root vegetables	10.7	2.83	2.83	2.83	2.14	2.14	0.103	0.06	0.4	1.00E-03	1.00E+00
Tuber vegetables	16	6.6	6.6	6.6	4.95	4.95	0.21	0.02	0.13	1.00E-03	1.00E+00
Herbaceous fruit	1.83	3.39	3.39	3.39	2.24	2.24	0.058	0.06	0.4	1.00E-03	6.00E-01
Shrub fruit	2.23	0.46	0.46	0.46	0.19	0.19	0.166	0.09	0.6	1.00E-03	6.00E-01
Tree fruit	3.82	10.3	10.3	10.3	5.16	5.16	0.157	0.04	0.27	1.00E-03	6.00E-01
Justification	Table 3.4, SP1010 ⁽³⁾						Table 6.3, SR3 ⁽⁵⁾	Table 4.19, SR3 ⁽⁵⁾		Table 6.3, SR3 ⁽⁵⁾	

Table 3: Residential with home-grown produce – modified and use and receptor data

Parameter	Unit	Age class					
		1	2	3	4	5	6
EF (soil and dust ingestion)	day yr ⁻¹	180	365	365	365	365	365
EF (consumption of home-grown produce)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, indoor)	day yr ⁻¹	180	365	365	365	365	365
EF (skin contact, outdoor)	day yr ⁻¹	170	170	170	170	170	170
EF (inhalation of dust and vapour, indoor)	day yr ⁻¹	365	365	365	365	365	365
EF (inhalation of dust and vapour, outdoor)	day yr ⁻¹	365	365	365	365	365	365
Justification		Table 3.5, SP1010 ⁽³⁾ ; Table 3.1, SR3 ⁽⁵⁾					
Soil to skin adherence factor (outdoor)	mg cm ⁻² day ⁻¹	0.1	0.1	0.1	0.1	0.1	0.1
Justification		Table 3.5, SP1010 ⁽³⁾					
Inhalation rate	m ³ day ⁻¹	5.4	8.0	8.9	10.1	10.1	10.1
Justification		Mean value USEPA, 2011 ⁽¹²⁾ ; Table 3.2, SP1010 ⁽³⁾					
Notes: For cadmium , the exposure assessment for a residential land use is based on estimates representative of lifetime exposure AC1-18. This is because the TDI _{oral} and TDI _{inh} are based on considerations of the kidney burden accumulated over 50 years. It is therefore reasonable to consider exposure not just in childhood but averaged over a longer period. See the Environment Agency Science Report SC05002/ TOX 3 ⁽¹⁾ , Science Report SC050021/Cadmium SGV ⁽¹⁾ and the project report SP1010 ⁽³⁾ for more information.							

Figure 2: GrAC conceptual model for RBCA residential with home-grown produce scenario

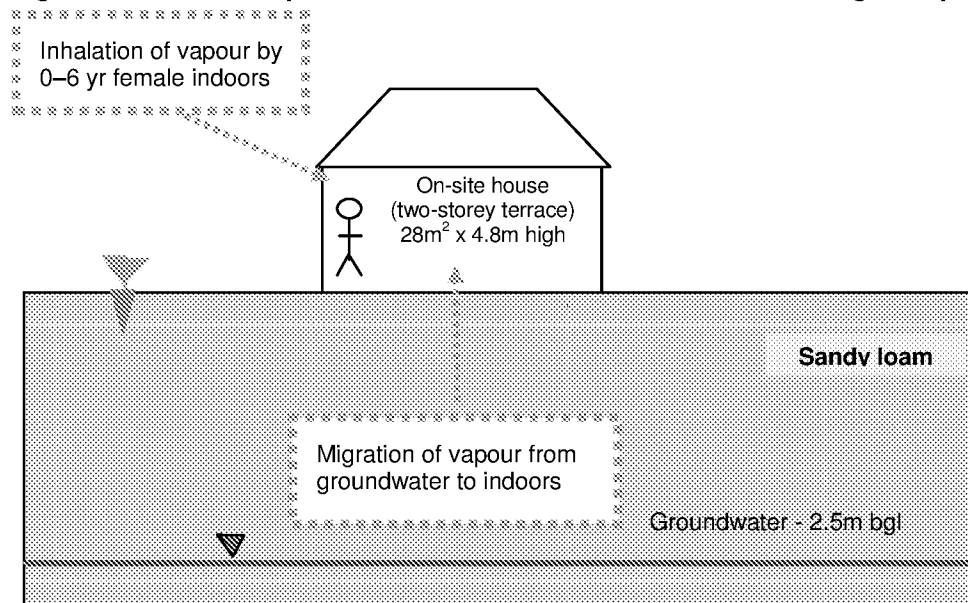


Table 4: Residential with home-grown produce – RBCA inputs

Parameter	Unit	Value	Justification
Receptor			
Averaging time	Years	6	From Box 3.1, SR3 ⁽⁵⁾
Receptor weight	kg	13.3	Average of CLEA 0–6 year old female data, Table 4.6, SR3 ⁽⁵⁾
Exposure duration	Years	6	From Box 3.1, report, SR3 ⁽⁵⁾
Exposure frequency	Days/yr	350	Weighted using occupancy period of 23 hours per day for 365 days of the year
Soil type – sandy loam			
Total porosity	-	0.53	CLEA value for sandy loam. Parameters for sandy loam from Table 4.4, SR3 ⁽⁵⁾
Volumetric water content	-	0.33	
Volumetric air content	-	0.20	
Dry bulk density	g cm ⁻³	1.21	
Vertical hydraulic conductivity	cm s ⁻¹	3.56E-3	CLEA value for saturated conductivity of sandy loam, Table 4.4, SR3 ⁽⁵⁾
Vapour permeability	m ²	3.05E-12	Calculated for sandy loam using equations in Appendix 1, SR3 ⁽⁵⁾
Capillary zone thickness	m	0.1	Professional judgement
Fraction organic carbon	%	0.0348	Representative of sandy loam according to EA guidance note dated January 2009 entitled 'Changes We Have Made to the CLEA Framework Documents' ⁽¹³⁾
Building			
Building volume/area ratio	m	4.8	Table 3.3, SR3 ⁽⁵⁾
Foundation area	m ²	28	
Foundation perimeter	m	22	Calculated assuming building measures 7m x 4m to give 28m ² foundation area
Building air exchange rate	d ⁻¹	12	Table 3.3, SR3 ⁽⁵⁾
Depth to bottom of foundation slab	m	0.15	
Foundation thickness	m	0.15	
Foundation crack fraction	-	0.0151	Calculated from floor crack area of 423 cm ² and building footprint of 28m ² in Table 4.21, SR3 ⁽⁵⁾
Volumetric water content of cracks	-	0.33	Assumed equal to underlying soil type in assumption that cracks become filled with soil over time. Parameters for sandy loam from Table 4.4, SR3 ⁽⁵⁾
Volumetric air content of cracks	-	0.2	
Indoor/outdoor differential pressure	Pa	3.1	From Table 3.3, SR3 ⁽⁵⁾

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GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5

Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	GrAC (mg/l)	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
			Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Metals														
Arsenic	(a,b)	-	3.71E+01	5.28E+00	NR	NR	3.71E+01	5.28E+00	NR	NR	3.71E+01	5.28E+00	NR	NR
Cadmium	(a)	-	NR	NR	2.60E+01	NR	NR	NR	2.60E+01	NR	NR	NR	2.60E+01	NR
Chromium (III) - trivalent	(c)	-	1.84E+04	9.07E+02	8.85E+02	NR	1.84E+04	9.07E+02	8.85E+02	NR	1.84E+04	9.07E+02	8.85E+02	NR
Chromium (VI) - hexavalent	(a,d)	-	2.92E+01	2.06E+01	NR	NR	2.92E+01	2.06E+01	NR	NR	2.92E+01	2.06E+01	NR	NR
Copper	-	-	2.73E+03	1.41E+04	8.47E+03	NR	2.73E+03	1.41E+04	8.47E+03	NR	2.73E+03	1.41E+04	8.47E+03	NR
Lead	(a)	-	2.81E+02	NR	NR	NR	2.81E+02	NR	NR	NR	2.81E+02	NR	NR	NR
Elemental Mercury (Hg ⁰)	(d)	9.40E-03	NR	2.95E+01	NR	4.31E+00	NR	9.80E+01	NR	1.07E+01	NR	1.22E+00	NR	2.58E+01
Inorganic Mercury (Hg ²⁺)	-	-	3.95E+01	3.69E+03	2.31E+01	NR	3.95E+01	3.69E+03	2.31E+01	NR	3.95E+01	3.69E+03	2.31E+01	NR
Methyl Mercury (Hg ⁴⁺)	-	2.00E+01	1.29E+01	1.87E+01	7.38E+00	7.33E+01	1.29E+01	2.68E+01	3.24E+00	1.42E+02	1.29E+01	2.68E+01	1.98E+01	3.04E+02
Nickel	(d)	-	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR	1.27E+02	1.81E+02	NR	NR
Selenium	(b)	-	2.68E+02	NR	NR	NR	2.68E+02	NR	NR	NR	2.68E+02	NR	NR	NR
Zinc	(b)	-	2.89E+03	3.69E+07	NR	NR	3.89E+02	3.62E+07	NR	NR	2.89E+03	3.69E+07	NR	NR
Cyanide	-	-	2.74E+01	4.09E+00	3.78E+00	NR	2.74E+01	4.09E+00	3.78E+00	NR	2.74E+01	4.09E+00	3.78E+00	NR
Volatile Organic Compounds														
Benzene	(a)	7.20E+00	3.82E+01	8.01E+01	2.03E+01	1.22E+03	5.39E+01	1.88E+00	4.06E+01	2.26E+03	1.16E+00	3.48E+00	8.72E+01	4.71E+03
Toluene	-	8.90E+02	1.63E+02	5.08E+02	1.31E+02	8.69E+02	3.49E+02	2.00E+03	2.97E+02	1.92E+03	7.95E+02	4.55E+03	6.77E+02	4.36E+03
Ethylbenzene	-	1.60E+02	1.10E+02	3.34E+01	4.74E+01	5.18E+02	2.61E+00	1.98E+02	1.12E+02	1.22E+03	9.00E+02	4.59E+02	2.90E+02	2.84E+03
Xylene - m	-	8.40E+01	2.10E+02	8.25E+01	5.92E+01	6.25E+02	5.01E+03	1.46E+02	1.40E+02	1.47E+03	1.18E+03	4.69E+02	3.27E+02	3.46E+03
Xylene - o	-	1.60E+02	1.89E+02	6.67E+01	6.07E+01	4.78E+02	1.58E+02	2.08E+02	1.45E+02	1.12E+03	1.05E+03	4.89E+02	3.12E+02	2.62E+03
Xylene - p	-	8.70E+01	1.89E+02	7.98E+01	6.69E+01	5.76E+02	4.70E+02	1.96E+02	1.38E+02	1.35E+03	1.09E+03	4.94E+02	3.10E+02	3.17E+03
Total xylene	-	8.40E+01	1.82E+02	7.89E+01	5.86E+01	6.25E+02	4.56E+02	1.96E+02	1.39E+02	1.47E+03	1.05E+03	4.90E+02	3.10E+02	3.46E+03
Methyl tertiary-Butyl ether (MTBE)	-	2.20E+03	1.54E+02	1.04E+00	1.84E+02	2.04E+04	2.97E+02	1.69E+03	2.53E+02	3.31E+04	6.09E+02	3.21E+03	5.08E+02	6.27E+04
Trichloroethene	-	1.80E+00	2.83E+01	1.72E+02	1.62E+02	1.54E+03	8.38E+01	3.59E+02	3.40E+02	3.22E+03	1.44E+00	1.96E+02	7.95E+02	7.14E+03
Tetrachloroethene	-	3.60E+00	4.49E+00	1.79E+01	1.79E+01	4.24E+02	1.04E+01	4.02E+01	3.94E+01	9.51E+02	2.39E+01	8.21E+01	8.04E+01	2.18E+03
1,1,1-Trichloroethane	-	2.60E+01	3.39E+02	8.01E+00	8.77E+00	1.43E+03	7.89E+02	1.84E+01	1.89E+01	2.92E+03	1.62E+03	4.94E+01	3.94E+01	6.39E+03
1,1,1,2-Tetrachloroethane	-	1.40E+01	5.29E+00	1.94E+00	1.80E+00	2.60E+03	1.27E+01	3.56E+00	2.78E+00	6.02E+03	2.98E+01	8.29E+00	8.49E+00	1.40E+04
1,1,2,2-Tetrachloroethane	-	1.40E+01	2.81E+00	2.95E+00	1.64E+00	2.67E+03	5.09E+00	3.04E+00	3.47E+00	5.46E+03	1.26E+01	1.79E+01	7.87E+00	1.20E+04
Carbon Tetrachloride	-	5.50E+02	3.19E+04	5.39E+03	2.57E+02	1.52E+03	1.11E+00	5.69E+02	5.69E+02	3.32E+03	1.82E+01	1.89E+01	1.27E+01	7.54E+03
1,2-Dichloroethane	-	3.00E+01	2.13E+02	5.20E+03	7.19E+02	3.41E+03	3.79E+02	1.39E+02	1.98E+02	4.91E+03	1.09E+01	3.39E+02	1.98E+02	8.43E+03
Vinyl Chloride	-	1.90E+02	3.82E+03	7.79E+04	8.43E+04	1.36E+03	6.87E+03	1.06E+03	8.73E+04	1.76E+03	1.25E+02	1.53E+03	1.39E+03	2.69E+03
1,2,4-Trimethylbenzene	-	7.50E+02	NR	1.75E+00	NR	4.74E+02	NR	4.38E+00	NR	1.16E+03	NR	3.72E+00	NR	2.76E+03
1,3,5-Trimethylbenzene	(e)	4.70E+02	NR	NR	NR	2.30E+02	NR	NR	NR	5.52E+02	NR	NR	NR	1.30E+03
Semi-Volatile Organic Compounds														
Acenaphthene	-	3.26E+00	2.27E+02	4.86E+04	2.28E+02	5.70E+01	5.41E+02	1.18E+05	5.38E+02	1.41E+02	1.16E+03	2.88E+05	1.17E+05	3.36E+02
Acenaphthylene	-	4.20E+00	1.85E+02	4.59E+04	1.84E+02	8.61E+01	4.42E+02	1.11E+05	4.40E+02	2.12E+02	9.78E+02	2.53E+05	9.74E+02	5.06E+02
Acridene	-	2.10E+02	2.43E+03	1.59E+05	3.39E+03	1.17E+00	5.59E+02	3.77E+05	5.45E+03	2.91E+00	1.10E+04	8.76E+05	1.09E+04	6.96E+00
Benzo[a]anthracene	-	3.80E+03	1.01E+01	2.47E+01	7.18E+00	1.71E+00	1.42E+01	4.37E+01	1.07E+01	4.28E+00	1.89E+01	6.29E+01	1.39E+01	1.03E+01
Benzo[b]fluoranthene	-	2.00E+03	2.96E+00	1.89E+01	2.56E+00	1.22E+00	3.89E+00	2.13E+01	3.29E+00	3.04E+00	4.45E+00	2.22E+01	2.69E+00	7.29E+00
Benzo[a]fluoranthene	-	2.80E+04	3.77E+02	1.87E+03	3.14E+02	1.54E+02	4.09E+02	1.94E+03	3.28E+02	3.85E+02	4.23E+02	1.97E+03	2.48E+02	9.23E+02
Benzo[k]fluoranthene	-	8.00E+04	8.92E+01	5.41E+02	7.86E+01	6.87E+01	1.10E+02	9.76E+02	9.22E+01	1.72E+00	1.21E+02	5.91E+02	1.00E+02	4.12E+00
Chrysene	-	2.00E+03	1.68E+01	1.19E+02	1.48E+01	4.40E+01	2.84E+01	1.49E+02	2.17E+01	1.10E+00	3.19E+01	1.66E+02	2.87E+01	2.64E+00
Dibenz[a,h]anthracene	-	8.00E+04	2.90E+01	1.45E+00	2.41E+01	3.93E+03	2.43E+01	1.64E+00	2.84E+01	9.82E+03	5.69E+01	1.74E+00	3.04E+01	2.36E+02
Fluoranthene	-	2.30E+01	2.87E+02	3.89E+04	2.85E+02	1.89E+01	5.69E+02	6.87E+04	5.60E+02	4.73E+01	9.00E+02	1.89E+05	8.90E+02	1.13E+02
Fluorene	-	1.80E+00	1.77E+02	6.20E+03	1.72E+02	3.09E+01	4.19E+02	1.53E+04	4.07E+02	7.65E+01	8.96E+02	3.69E+04	8.78E+02	1.83E+02
Indeno[1,2,3-cd]pyrene	-	2.00E+04	3.09E+01	2.12E+02	2.78E+01	6.13E+02	4.22E+01	2.38E+02	3.59E+01	1.53E+01	4.92E+01	2.50E+02	4.11E+01	3.68E+01
Phenanthrene	-	5.30E+01	8.85E+01	7.17E+03	9.72E+01	3.60E+01	2.24E+02	1.76E+04	2.22E+02	8.96E+01	4.48E+02	4.07E+04	4.43E+02	2.14E+02
Pyrene	-	1.30E+01	6.29E+02	8.79E+04	6.20E+02	2.20E+00	1.25E+02	2.04E+05	1.24E+03	5.49E+00	2.05E+03	4.23E+05	2.04E+03	1.32E+01
Benzo[a]pyrene	(a)	3.80E+03	4.91E+00	3.51E+01	4.30E+00	9.11E+01	4.91E+00	3.77E+01	4.34E+00	2.28E+00	4.91E+00	3.89E+01	4.39E+00	5.46E+00
Naphthalene	-	1.80E+01	2.78E+01	2.39E+01	1.37E+01	7.64E+01	8.89E+01	3.56E+01	3.04E+01	1.83E+02	1.50E+02	1.21E+02	2.96E+01	4.32E+02
Phenol	-	-	1.80E+02	4.96E+02	1.30E+02	2.42E+04	2.98E+02	8.99E+02	8.79E+02	3.81E+04	5.89E+02	1.19E+03	2.89E+02	7.03E+04

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 5

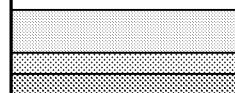
Human Health Generic Assessment Criteria by Pathway for Residential With Home-Grown Produce Scenario

Compound	Notes	GrAC (mg/l)	SAC Appropriate to Pathway SOM 1% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 2.5% (mg/kg)			Soil Saturation Limit (mg/kg)	SAC Appropriate to Pathway SOM 6% (mg/kg)			Soil Saturation Limit (mg/kg)
			Oral	Inhalation	Combined		Oral	Inhalation	Combined		Oral	Inhalation	Combined	
Total Petroleum Hydrocarbons														
Aliphatic hydrocarbons <EC ₉ -EC ₃		1.00E+01	4.96E+03	4.24E+01	4.23E+01	3.04E+02	1.12E+04	7.79E+01	7.78E+01	5.58E+02	2.41E+04	1.81E+02	1.80E+02	1.15E+03
Aliphatic hydrocarbons >EC ₉ -EC ₅		5.40E+00	1.46E+04	1.04E+02	1.03E+02	1.44E+02	3.27E+04	3.31E+02	3.31E+02	3.22E+02	6.47E+04	3.89E+02	3.88E+02	7.36E+02
Aliphatic hydrocarbons >EC ₉ -EC ₁₀		2.30E+01	1.45E+03	2.66E+03	3.87E+01	7.77E+01	2.42E+03	6.59E+01	6.50E+01	1.90E+02	3.29E+03	1.36E+02	1.34E+02	4.51E+02
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂		3.40E+02	3.47E+03	1.33E+02	1.32E+02	4.75E+01	3.98E+03	3.31E+02	3.24E+02	1.18E+02	4.23E+03	7.93E+02	7.52E+02	2.83E+02
Aliphatic hydrocarbons >EC ₁₇ -EC ₁₆		7.60E+04	4.36E+03	1.11E+03	1.03E+03	2.37E+01	4.40E+03	2.78E+03	2.22E+03	5.91E+01	4.41E+03	6.67E+03	3.47E+03	1.42E+02
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	(b)	-	5.28E+04	NR	NR	8.48E+00	6.95E+04	NR	NR	2.12E+01	7.94E+04	NR	NR	5.09E+01
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	(b)	-	5.28E+04	NR	NR	8.48E+00	6.95E+04	NR	NR	2.12E+01	7.94E+04	NR	NR	5.09E+01
Aromatic hydrocarbons >EC ₉ -EC ₉ (styrene)		7.40E+00	1.67E+01	5.22E+02	1.05E+01	6.26E+02	2.51E+01	1.20E+03	2.46E+01	1.44E+03	5.73E+01	3.79E+03	5.80E+01	3.35E+03
Aromatic hydrocarbons >EC ₉ -EC ₁₀		7.40E+00	6.71E+01	4.74E+04	3.44E+01	6.13E+02	1.96E+02	1.16E+02	8.39E+01	1.50E+03	2.81E+03	2.77E+02	1.69E+02	3.58E+02
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂		2.50E+01	8.17E+01	2.59E+02	7.42E+01	3.64E+02	1.90E+02	6.39E+02	1.74E+02	8.99E+02	3.95E+02	1.58E+03	3.67E+02	2.15E+03
Aromatic hydrocarbons >EC ₁₂ -EC ₁₃		5.60E+00	1.42E+02	2.85E+03	1.41E+02	1.69E+02	3.18E+02	7.07E+03	3.14E+02	4.19E+02	6.06E+02	1.68E+04	6.03E+02	1.00E+03
Aromatic hydrocarbons >EC ₁₃ -EC ₂₁	(b)	-	2.46E+02	NR	NR	5.37E+01	4.84E+02	NR	NR	1.34E+02	7.69E+02	NR	NR	3.21E+02
Aromatic hydrocarbons >EC ₂₁ -EC ₂₅	(b)	-	8.72E+02	NR	NR	4.83E+00	1.10E+03	NR	NR	1.21E+01	1.22E+03	NR	NR	2.90E+01
Aromatic hydrocarbons >EC ₂₅ -EC ₄₄	(b)	-	8.72E+02	NR	NR	4.83E+00	1.10E+03	NR	NR	1.21E+01	1.22E+03	NR	NR	2.90E+01

Notes:

EC - equivalent carbon; GrAC - groundwater assessment criteria; SAC - soil assessment criteria.

The CLEA model output is colour coded depending upon whether the soil saturation limit has been exceeded.



Calculated SAC exceeds soil saturation limit and may significantly affect the interpretation of any exceedances since the contribution of the indoor and outdoor vapour pathway to total exposure is >10%. This shading has also been used for the RSCA output where the theoretical solubility limit has been exceeded.

Calculated SAC exceeds soil saturation limit but will not effect the SSV significantly since the contribution of the indoor and outdoor vapour pathway to total exposure is <10%.

Calculated SAC does not exceed the soil saturation limit.

For consistency where the theoretical solubility limit within RSCA has been exceeded in production of the GrAC, these cells have also been hatched red.

The SAC for organic compounds are dependent upon soil organic matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58. 1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, polycyclic aromatic hydrocarbons, MTBE, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway (Section 10.1.1, SR3)

(a) SAC for arsenic, benzenes, benzo(a)pyrene, cadmium, chromium VI and lead are derived using the C4SL toxicology data.

(b) SAC for selenium should not include the inhalation pathway as no expert group HCV has been derived; aliphatic and aromatic hydrocarbons >EC16 should not include inhalation pathway due to their non-volatile nature and inhalation exposure being minimal (oral, dermal and inhalation exposure is compared to the oral HCV); arsenic should only be based on oral contribution (rather than combined) owing to the relative small contribution from inhalation in accordance with the SGV report. The Oral SAC should be adopted for zinc and benzo(a)pyrene.

(c) SAC for CrIII should be based on the lower of the oral and inhalation SAC (see LQM/CIEH 2015 Section 6.8)

(d) SAC for elemental mercury, chromium VI and nickel should be based on the inhalation pathway only.

(e) SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4 trimethylbenzene may be used.

GENERIC ASSESSMENT CRITERIA FOR HUMAN HEALTH - RESIDENTIAL WITH HOME-GROWN PRODUCE



Table 6
Human Health Generic Assessment Criteria for Residential with home-grown produce

Compound	GrAC for Groundwater (mg/l)	SAC for Soil SOM 1% (mg/kg)	SAC for Soil SOM 2.5% (mg/kg)	SAC for Soil SOM 6% (mg/kg)
Metals				
Arsenic	-	37	37	37
Cadmium	-	30	30	30
Chromium (III) - trivalent	-	910	910	910
Chromium (VI) - hexavalent	-	21	21	21
Copper	-	2,500	2,500	2,500
Lead	-	200	200	200
Elemental Mercury (Hg ⁰)	0.0094	0.2	0.6	1.2
Inorganic Mercury (Hg ²⁺)	-	39	39	39
Methyl Mercury (Hg ⁴⁺)	20	10	10	10
Nickel	-	130	130	130
Selenium	-	258	258	258
Zinc	-	3,900	3,900	3,900
Cyanide	-	3.8	3.8	3.8
Volatile Organic Compounds				
Benzene	7.2	0.20	0.41	0.87
Toluene	590	130	300	680
Ethylbenzene	180	50	110	260
Xylene - m	84	59	140	327
Xylene - o	100	61	143	332
Xylene - p	87	57	133	310
Total xylene	84	57	133	310
Methyl tertiary-Butyl ether (MTBE)	2200	130	250	510
Trichloroethene	1.8	0.02	0.03	0.08
Tetrachloroethene	3.6	0.2	0.4	0.9
1,1,1-Trichloroethane	26	9	18	39
1,1,1,2-Tetrachloroethane	14	1.2	2.8	6.5
1,1,2,2-Tetrachloroethane	14	1.6	3.5	7.7
Carbon Tetrachloride	0.055	0.026	0.056	0.127
1,2-Dichloroethane	0.3	0.007	0.011	0.019
Vinyl Chloride	0.019	0.0006	0.0009	0.0014
1,2,4-Trimethylbenzene	0.075	1.8	4.3	9.7
1,3,5-Trimethylbenzene	0.047	NR	NR	NR
Semi-Volatile Organic Compounds				
Acenaphthene	3.2	230	540	1,170
Acenaphthylene	4.2	180	440	970
Anthracene	0.021	2,400	5,500	10,900
Benzo(a)anthracene	0.0038	7	11	13
Benzo(b)fluoranthene	0.002	2.6	3.3	3.7
Benzo(g,h,i)perylene	0.00026	310	340	350
Benzo(k)fluoranthene	0.0008	77	92	100
Chrysene	0.002	15	22	27
Dibenzo(a,h)anthracene	0.0006	0.24	0.28	0.30
Fluoranthene	0.23	280	560	900
Fluorene	1.9	170	410	880
Indeno(1,2,3-cd)pyrene	0.0002	27	36	41
Phenanthrene	0.53	100	220	440
Pyrene	0.13	620	1,240	2,040
Benzo(a)pyrene	0.0038	5	5	5
Naphthalene	19	13	30	71
Phenol	-	120	210	390
Total Petroleum Hydrocarbons				
Aliphatic hydrocarbons EC ₅ -EC ₈	10	42	78	160
Aliphatic hydrocarbons >EC ₈ -EC ₈	5.4	100	230	530
Aliphatic hydrocarbons >EC ₈ -EC ₁₀	0.23	27	65	154
Aliphatic hydrocarbons >EC ₁₀ -EC ₁₂	0.034	130 (48)	320 (118)	750 (283)
Aliphatic hydrocarbons >EC ₁₂ -EC ₁₆	0.00076	1,000 (24)	2,200 (59)	3,500 (142)
Aliphatic hydrocarbons >EC ₁₆ -EC ₃₅	-	53,000 (8)	70,000 (21)	79,000
Aliphatic hydrocarbons >EC ₃₅ -EC ₄₄	-	53,000 (8)	70,000 (21)	79,000
Aromatic hydrocarbons >EC ₈ -EC ₉ (styrene)	7.4	11	25	56
Aromatic hydrocarbons >EC ₉ -EC ₁₀	7.4	34	83	189
Aromatic hydrocarbons >EC ₁₀ -EC ₁₂	25	74	174	367
Aromatic hydrocarbons >EC ₁₂ -EC ₁₆	5.8	100	300	600
Aromatic hydrocarbons >EC ₁₆ -EC ₂₁	-	200	500	800
Aromatic hydrocarbons >EC ₂₁ -EC ₃₅	-	900	1,100	1,200
Aromatic hydrocarbons >EC ₃₅ -EC ₄₄	-	900	1,100	1,200
Minerals				
Asbestos	-	No asbestos detected with ID or <0.001% dry weight ¹		

Notes:

¹ Generic assessment criteria not calculated owing to low volatility of substance and therefore no pathway, or an absence of toxicological data.

NR - SAC for 1,3,5-trimethylbenzene is not recorded owing to the lack of toxicological data, SAC for 1,2,4-trimethylbenzene may be used

EC - equivalent carbon, GrAC - groundwater assessment criteria, SAC - soil assessment criteria.

¹ LOD for weight of asbestos per unit weight of soil calculated on a dry weight basis using PLM, handpicking and gravimetry.

The SAC for organic compounds are dependent on Soil Organic Matter (SOM) (%) content. To obtain SOM from total organic carbon (TOC) (%) divide by 0.58.

1% SOM is 0.58% TOC. DL Rowell Soil Science: Methods and Applications, Longmans, 1994.

SAC for TPH fractions, polycyclic aromatic hydrocarbons, MTBE, BTEX and trimethylbenzene compounds were produced using an attenuation factor for the indoor air inhalation pathway of 10 to reduce conservatism associated with the vapour inhalation pathway, section 10.1.1, SR3.

(VALUE IN BRACKETS) The SAC has been set as the model calculated SAC with the saturation limit shown in brackets.

RSK has adopted an approach for petroleum hydrocarbons in accordance with LQM/CIEH whereby the concentration modelled for each petroleum hydrocarbon fraction has been tabulated as the SAC with the corresponding solubility or vapour saturation limits given in brackets.

(VALUE IN BRACKETS) For consistency where the GrAC exceeds the solubility limit, GrAC has been set at the solubility limit. The GrAC is conservative since concentrations of the chemical are very unlikely to be at sufficient concentration to result in an exceedance of the health criteria value at the point of exposure (i.e. indoor air) provided free-phase product is absent.



15 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 8RT

Our Ref: 27621-L19-dbj
NHBC Ref: 03070/2015/HO
Planning Ref: A/144/15/PL

20th November 2017

James Rwodzi
CALA Homes (South Home Counties) Limited
Tilford House
Farnham Business Park
Farnham
Surrey
GU9 8QT

Dear James,

CRESSWELL PARK, ANGMERING, WEST SUSSEX – DOWNGRADING OF GROUND GAS REGIME - PLOTS 1 TO 244

1.0 Background

Further to the Local Authority and NHBC agreeing to use void monitoring as a line of evidence in place of additional borehole drilling and monitoring previously proposed, RSK have been returning to site to complete these works for Plots 10, 20, 28, 30, 44, 48 and 50. RSK letters (reference 27621-L10-dbj and 27621-L11-dbj, dated 17th May 2017) provide the agreed method for monitoring the void and must be read in conjunction with letter report.

These plots were chosen due to their proximity to the principal borehole of concern (BH1), other observed sources of potential ground gas generation from the site investigation and to provide suitable coverage of the Phase 1A development area. Consideration was also given to the substructure design of the plots and, where possible, the more complex designs were chosen to increase the potential for dead zones and general build up of ground gases.

Additional void monitoring in Plots 53, 63 and, to a lesser extent, Plot 51 took place to provide an added level of comfort for plots that were due to be occupied as Plots 44, 48 and 50 located in the southern half of Phase 1A were not yet ready for the void monitoring to take place at that time.

The first phase of void monitoring demonstrated that there were very low ground gas concentrations in Plots 10, 20, 28 and 30. Based on these findings Arun District Council and the NHBC were contacted on the 7th August 2017 to determine if they would consider downgrading the whole site from Amber 1/Characteristic Situation 2 (CS2) to Green/Characteristic Situation 1 (CS1) should the remaining plots show the same trend as these.

Due to the site only marginally creeping into Amber 1/CS2, both Arun District Council and the NHBC were open to reviewing the original characterisation once all of the monitoring was completed.



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This letter presents this ground gas data as a primary line of evidence together with photographs of the typical soil profile in Plots 48 and 55 where an organic odour was previously noted and some more general photographs of Phase 1B where excavation works have been taking place.

This letter is subject to the service constraints presented in **Appendix A**.

2.0 Subfloor Void Monitoring Completed

Due to the ongoing build programme the void monitoring was programmed to be split into two phases. The first phase monitored Plots 10, 20, 28 and 30. The second phase covered the remaining plots when they were completed sufficiently to make the void monitoring meaningful with the gas resistant membrane fully sealed in place by brickwork.

Whilst every attempt was made to complete the monitoring in a single uninterrupted period during each of the planned phases, problems with hired instruments battery life and the theft of an instrument have not always allowed this. In the end, RSK completed the subfloor void monitoring between April and November 2017. The plots monitored are shown on Figure 1.

The monitoring in Plot 51 was interrupted after only a few days due to an instrument failure. The replacement instrument from the hire company would have arrived too late to provide any meaningful data before the resident moved in and the void monitoring was abandoned. Table 1 summarises the data collected with the complete dataset for each plot in **Appendix B**.

Table 1: Summary of Subfloor Gas Void Data

Plot	Max CH ₄ % v/v	Max CO ₂ % v/v	Min O ₂ % v/v	Max EFL %	Barometric Pressure Range (mb)	Target Hours of Monitoring	Actual Hours of Monitoring	Hours Airbricks Open	Hours Airbricks Closed	Hours of low & Falling Pressure
10	0.1	0.1	19.3	0.0	997 to 1021	336	303	127	176	25 ^{CL}
20	0.1	0.1	19.9	0.1	991 to 1024	336	563	147	416	10 ^{CL}
28	0.0	0.1	20.4	0.0	992 to 1020	336	361	169	192	17 ^{OP} , 19 ^{CL}
30	0.1	0.1	20.0	2.0	990 to 1024	336	677	284	393	19 ^{CL}
44	0.0	0.1	21.5	0.0	N/A	336	314	0	314	0
48	0.1	0.1	20.6	2.0	1003 to 1036	336	359	0	359	0
55	0.1	0.1	20.4	2.0	1001 to 1037	336	830	0	830	0
Additional plots with void monitoring										
51	0.1	0.1	20.8	2.0	1019 to 1025	336	33	0	33	0
53	0.0	0.1	20.6	0.0	1006 to 1026	336	303	0	303	0
63	0.1	0.0	20.3	2.0	1013 to 1029	336	281	0	281	0
OP = Airbricks Open CL = Airbricks Closed										

3.0 Data Review

Following completion of the first phase of void monitoring for Plots 10, 20, 28 and 30, with the exception of Plot 10, the duration of the monitoring programme has notably exceeded the targeted 336 hours. Plot 10 was the location of where the gas monitoring instrument was stolen and considerable data was lost with the instrument.

It was decided that with Plot 10 being the last plot to be monitored and its location being the furthest away from BH1, if there was migrating ground gas, it would have been detected within the closer plots. These have substantial data already demonstrating very low levels of ground gases present within void spaces. As such, it was decided to terminate the monitoring slightly early and during the last programmed non void monitoring related site visit.

The second phase of void monitoring (for the originally programmes plots) generally exceeded the proposed duration, with the exception of Plot 44, which had 22 fewer hours recorded. However, due to the potential for a low and falling pressure event, the air bricks were left closed for the entire duration of this phase of monitoring to capture a worst case scenario. Unfortunately the low pressure event that was due to take place was interrupted by a storm event (Storm Brian) and the lowest pressure recorded was 1001mb rather than the projected 980mb.

The barometric pressure readings for Plot 44 are considered to be erroneous as the other two gas meters used at the same time recorded notably different pressures, whilst being in good correlation with each other and data gathered by the Meteorological Office. The originally recorded pressures have been presented in **Appendix B**, but should not be relied upon.

The additional plots (51, 52 and 63) all had fewer readings then the other programmed plots. However, due to these being monitored for further reassurance due to residents moving in this was always going to be the case. Nevertheless, with the exception of Plot 51, there was still a significant amount of useful data collected.

A review all of the collected data has demonstrated that the ground gas emissions within the void space of all the monitored plots are very low with maximum concentrations of both methane and carbon dioxide being 0.1% v/v.

Monitoring for Plots 10, 20, 28 and 30 were able to capture a worst case scenario of low and falling pressures with the airbricks sealed. The results showed that under this scenario, there was no significant increase in ground gas generation. Unfortunately, since then, there has not been a low and falling pressure event in the southeast of England, only high and falling events, which whilst not worst case scenario would have shown a change in the amount of ground gas concentrations recorded.

4.0 Additional Lines of Evidence

The void monitoring that took place in Plots 48 and 55 was due to the original site investigation encountering an organic odour within exploratory hole locations in close proximity to these plots. As part of the wider remediation scheme works on site, additional trial pits were undertaken in every plot to check for asbestos.

These trial pits did not encounter any significant volumes of organic rich material and it is considered there is not a potential source of ongoing ground gas generation in close proximity to these plots.

The remediation works in Phase 1B of the development has been taking place throughout October and November. These works, which involve widespread excavation of the soft landscaped areas has also not encountered any significant organic material. Photographs from Plots 48, 55 and the wider Phase 1B area have been included in **Appendix C**.

5.0 Conclusion

The original classification of Amber 1/CS2 was also a belt and braces precautionary approach due to the site history and encountered ground conditions. Whilst not the original purpose of the void monitoring, it quickly became clear that the collection of primary data from beneath existing properties on site was demonstrating that the ground gas regime on the Cresswell Place development was presenting itself as a Green/CS1.

Void monitoring is also considered to be a much more reliable and meaningful assessment of the gassing regime of a development site when compared to borehole monitoring, which are more influenced by changing groundwater levels, well design choice and spot monitoring.

Being able to monitor the actual void where ground gases may build up beneath existing structures isn't possible at the site investigation stage and with the assessment of contaminated land being an iterative process, the evolution from borehole monitoring to void monitoring is considered normal practice.

Based on the new lines of evidence of significant void monitoring data with further widespread excavation of the development site not encountering significant organic material, RSK consider there to be sufficient data to downgrade the site from Amber 1/CS2 to Green/CS1. Hence all properties from the acceptance of this letter by Arun District Council and the NHBC will not need ground gas protective measure or verification from RSK unless any new sources of ground gas generation are discovered, which is considered to be very low.

If there are any queries, please do not hesitate to contact either of the undersigned.

Yours sincerely
For RSK Environment Limited

Dave Jacob
Technical Director

Dave Anchor
Director

FIGURES



LEGEND

- Original proposed plots for void monitoring
- Additional plots where void monitoring took place
- Organic odour encountered
- +
 BH1
- ⊗
 Point of entry into substructure void



VOID MONITORING LOCATIONS PHASE 1A ONLY

Client:	CALA Homes (South Home Counties) Ltd	Figure No:	1
Site:	Cresswell Place, Angmering	Job No:	27621
Scale:	NTS	Source:	CALA

APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for CALA Homes (South Home Counties) Limited (the "client") in accordance with the terms of a contract between RSK and the "client". The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be** well advised to seek independent advice from a competent environmental consultant and/or lawyer.
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date hereof, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The phase II or intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site.

APPENDIX B

VOID MONITORING GROUND GAS DATA

27621 - Angmering - Void Monitoring Results - Plot 10

Gas Analyser Model GA2000 plus/GA5000
MCERTS certified instrument Yes
Serial No GA10941/G501108
Date downloaded 06/07/2017
Computer & User Info HH-GEO-LT-2828 - C Lewis
Date of last user calibration 19/05/2017
Date of last factory calibration 24/01/2017
Next service due 28/11/2016
Date of last Gas Check 28/11/2017
Security code [DE7AE3CB]

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED	Instrument Used
AUTO-LOG	01/06/2017 08:22	0.0	0.1	20.5	79.4	0.0	0.0	0.1	20.5	1019	Open	GA5000
AUTO-LOG	01/06/2017 09:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	20.9	1019	Open	GA5000
AUTO-LOG	01/06/2017 10:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1019	Open	GA5000
AUTO-LOG	01/06/2017 11:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1018	Open	GA5000
AUTO-LOG	01/06/2017 12:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1018	Open	GA5000
AUTO-LOG	01/06/2017 13:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1018	Open	GA5000
AUTO-LOG	01/06/2017 14:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1017	Open	GA5000
AUTO-LOG	01/06/2017 15:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1017	Open	GA5000
AUTO-LOG	01/06/2017 16:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1016	Open	GA5000
AUTO-LOG	01/06/2017 17:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1016	Open	GA5000
AUTO-LOG	01/06/2017 18:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1016	Open	GA5000
AUTO-LOG	01/06/2017 19:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1015	Open	GA5000
AUTO-LOG	01/06/2017 20:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1015	Open	GA5000
AUTO-LOG	01/06/2017 21:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1015	Open	GA5000
AUTO-LOG	01/06/2017 22:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1015	Open	GA5000
AUTO-LOG	01/06/2017 23:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1015	Open	GA5000
AUTO-LOG	02/06/2017 00:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1014	Open	GA5000
AUTO-LOG	02/06/2017 01:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1014	Open	GA5000
AUTO-LOG	02/06/2017 02:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1013	Open	GA5000
AUTO-LOG	02/06/2017 03:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1013	Open	GA5000
AUTO-LOG	02/06/2017 04:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1012	Open	GA5000
AUTO-LOG	02/06/2017 05:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1012	Open	GA5000
AUTO-LOG	02/06/2017 06:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1012	Open	GA5000
AUTO-LOG	02/06/2017 07:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1012	Open	GA5000
AUTO-LOG	02/06/2017 08:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1012	Open	GA5000
AUTO-LOG	02/06/2017 09:22	0.1	0.1	20.7	79.1	0.0	0.1	0.1	20.7	1012	Open	GA5000
AUTO-LOG	02/06/2017 10:22	0.1	0.1	20.7	79.1	0.0	0.1	0.1	20.7	1013	Open	GA5000
AUTO-LOG	02/06/2017 11:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1013	Open	GA5000
AUTO-LOG	02/06/2017 12:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1012	Open	GA5000
AUTO-LOG	02/06/2017 13:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1012	Open	GA5000
AUTO-LOG	02/06/2017 14:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1012	Open	GA5000
AUTO-LOG	02/06/2017 15:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1012	Open	GA5000
AUTO-LOG	02/06/2017 16:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1011	Open	GA5000
AUTO-LOG	02/06/2017 17:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1011	Open	GA5000
AUTO-LOG	02/06/2017 18:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1011	Open	GA5000
AUTO-LOG	02/06/2017 19:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1011	Open	GA5000
AUTO-LOG	02/06/2017 20:22	0.1	0.1	20.8	79.0	0.0	0.1	0.1	20.8	1011	Open	GA5000
AUTO-LOG	02/06/2017 21:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1012	Open	GA5000
AUTO-LOG	02/06/2017 22:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1012	Open	GA5000
AUTO-LOG	02/06/2017 23:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1011	Open	GA5000
AUTO-LOG	03/06/2017 00:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 01:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1011	Open	GA5000
AUTO-LOG	03/06/2017 02:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1011	Open	GA5000
AUTO-LOG	03/06/2017 03:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1010	Open	GA5000
AUTO-LOG	03/06/2017 04:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1010	Open	GA5000
AUTO-LOG	03/06/2017 05:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1010	Open	GA5000
AUTO-LOG	03/06/2017 06:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1011	Open	GA5000
AUTO-LOG	03/06/2017 07:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 08:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1011	Open	GA5000
AUTO-LOG	03/06/2017 09:22	0.1	0.1	20.7	79.1	0.0	0.1	0.1	20.7	1011	Open	GA5000
AUTO-LOG	03/06/2017 10:22	0.1	0.1	20.8	78.9	0.0	0.1	0.1	20.9	1012	Open	GA5000
AUTO-LOG	03/06/2017 11:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	20.9	1012	Open	GA5000
AUTO-LOG	03/06/2017 12:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1012	Open	GA5000
AUTO-LOG	03/06/2017 13:22	0.1	0.1	20.9	78.9	0.0	0.1	0.1	20.9	1011	Open	GA5000
AUTO-LOG	03/06/2017 14:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 15:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 16:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 17:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 18:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 19:22	0.0	0.1	21.0	78.9	0.0	0.1	0.1	21.0	1011	Open	GA5000
AUTO-LOG	03/06/2017 20:22	0.1	0.1	21.0	78.8	0.0	0.1	0.1	21.0	1012	Open	GA5000
AUTO-LOG	03/06/2017 21:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1012	Open	GA5000
AUTO-LOG	03/06/2017 22:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1012	Open	GA5000
AUTO-LOG	03/06/2017 23:22	0.1	0.1	21.1	78.7	0.0	0.1	0.1	21.1	1012	Open	GA5000
Instrument downloaded and charged over night												
AUTO-LOG	06/06/2017 10:13	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.8	1011	Closed	GA2000
AUTO-LOG	06/06/2017 10:15	0.0	0.0	19.8	80.2	0.0	0.0	0.0	19.6	1011	Closed	GA2000
AUTO-LOG	06/06/2017 11:15	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.0	1011	Closed	GA2000
AUTO-LOG	06/06/2017 12:15	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.8	1012	Closed	GA2000
AUTO-LOG	06/06/2017 13:15	0.0	0.0	20.0	80.0	0.0	0.0	0.0	19.8	1012	Closed	GA2000
AUTO-LOG	06/06/2017 14:15	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.8	1011	Closed	GA2000
AUTO-LOG	06/06/2017 15:15	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.7	1011	Closed	GA2000
AUTO-LOG	06/06/2017 16:15	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.7	1011	Closed	GA2000
AUTO-LOG	06/06/2017 17:15	0.0	0.0	19.9	80.1	0.0	0.0	0.0	19.7	1010	Closed	GA2000
AUTO-LOG	06/06/2017 18:15	0.0	0.0	19.7	80.3	0.0	0.0	0.0	19.7	1010	Closed	GA2000

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ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED	Instrument Used
AUTO-LOG	27/06/2017 19:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1004	Closed	GA2000
AUTO-LOG	27/06/2017 20:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1003	Closed	GA2000
AUTO-LOG	27/06/2017 21:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1002	Closed	GA2000
AUTO-LOG	27/06/2017 22:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1002	Closed	GA2000
AUTO-LOG	27/06/2017 23:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1001	Closed	GA2000
AUTO-LOG	28/06/2017 00:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	1001	Closed	GA2000
AUTO-LOG	28/06/2017 01:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1000	Closed	GA2000
AUTO-LOG	28/06/2017 02:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1000	Closed	GA2000
AUTO-LOG	28/06/2017 03:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	999	Closed	GA2000
AUTO-LOG	28/06/2017 04:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 05:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.4	999	Closed	GA2000
AUTO-LOG	28/06/2017 06:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	999	Closed	GA2000
AUTO-LOG	28/06/2017 07:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 08:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 09:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 10:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	999	Closed	GA2000
AUTO-LOG	28/06/2017 11:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 12:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 13:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 14:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 15:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 16:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 17:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 18:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 19:52	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 20:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	28/06/2017 21:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 22:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	28/06/2017 23:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	997	Closed	GA2000
AUTO-LOG	29/06/2017 00:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.3	997	Closed	GA2000
AUTO-LOG	29/06/2017 01:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	998	Closed	GA2000
AUTO-LOG	29/06/2017 02:52	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.3	999	Closed	GA2000
AUTO-LOG	29/06/2017 03:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	998	Closed	GA2000
AUTO-LOG	29/06/2017 04:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	998	Closed	GA2000
AUTO-LOG	29/06/2017 05:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	998	Closed	GA2000
AUTO-LOG	29/06/2017 06:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	997	Closed	GA2000
AUTO-LOG	29/06/2017 07:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1003	Closed	GA2000
AUTO-LOG	29/06/2017 08:52	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.3	1003	Closed	GA2000
AUTO-LOG	29/06/2017 09:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1004	Closed	GA2000
AUTO-LOG	29/06/2017 10:52	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.0	1004	Closed	GA2000
AUTO-LOG	29/06/2017 11:52	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	1005	Closed	GA2000
Instrument downloaded and charged weekend												
AUTO-LOG	03/07/2017 13:01	0.0	0.0	20.3	79.8	0.0	0.0	0.0	20.0	1021	Open	GA2000
AUTO-LOG	03/07/2017 14:01	0.1	0.0	20.6	79.3	2.0	0.1	0.0	20.4	1020	Open	GA2000
AUTO-LOG	03/07/2017 15:01	0.1	0.0	20.4	79.5	2.0	0.1	0.0	20.3	1020	Open	GA2000
AUTO-LOG	03/07/2017 16:01	0.1	0.0	20.3	79.6	2.0	0.1	0.0	20.2	1019	Open	GA2000
AUTO-LOG	03/07/2017 17:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1019	Open	GA2000
AUTO-LOG	03/07/2017 18:01	0.0	0.0	20.2	79.8	0.0	0.1	0.0	20.2	1019	Open	GA2000
AUTO-LOG	03/07/2017 19:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1018	Open	GA2000
AUTO-LOG	03/07/2017 20:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	1018	Open	GA2000
AUTO-LOG	03/07/2017 21:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Open	GA2000
AUTO-LOG	03/07/2017 22:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Open	GA2000
AUTO-LOG	03/07/2017 23:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1019	Open	GA2000
AUTO-LOG	04/07/2017 00:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Open	GA2000
AUTO-LOG	04/07/2017 01:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Open	GA2000
AUTO-LOG	04/07/2017 02:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1018	Open	GA2000
AUTO-LOG	04/07/2017 03:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1018	Open	GA2000
AUTO-LOG	04/07/2017 04:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1017	Open	GA2000
AUTO-LOG	04/07/2017 05:01	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.7	1017	Open	GA2000
AUTO-LOG	04/07/2017 06:01	0.0	0.1	20.7	79.2	0.0	0.0	0.1	20.7	1017	Open	GA2000
AUTO-LOG	04/07/2017 07:01	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.7	1017	Open	GA2000
AUTO-LOG	04/07/2017 08:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1017	Open	GA2000
AUTO-LOG	04/07/2017 09:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Open	GA2000
AUTO-LOG	04/07/2017 10:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Open	GA2000
AUTO-LOG	04/07/2017 11:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Open	GA2000
AUTO-LOG	04/07/2017 12:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Open	GA2000
AUTO-LOG	04/07/2017 13:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1018	Open	GA2000
AUTO-LOG	04/07/2017 14:01	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.2	1018	Open	GA2000
AUTO-LOG	04/07/2017 15:01	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.0	1018	Open	GA2000
AUTO-LOG	04/07/2017 16:01	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.0	1018	Open	GA2000
AUTO-LOG	04/07/2017 17:01	0.0	0.0	20.1	79.9	0.0	0.1	0.0	20.0	1018	Open	GA2000
AUTO-LOG	04/07/2017 18:01	0.1	0.0	20.0	79.9	2.0	0.1	0.0	19.9	1018	Open	GA2000
AUTO-LOG	04/07/2017 19:01	0.1	0.0	20.3	79.6	2.0	0.1	0.0	20.2	1017	Open	GA2000
AUTO-LOG	04/07/2017 20:01	0.1	0.0	20.3	79.6	2.0	0.1	0.0	20.3	1017	Open	GA2000
AUTO-LOG	04/07/2017 21:01	0.0	0.0	20.4	79.6	0.0	0.1	0.0	20.3	1017	Open	GA2000
AUTO-LOG	04/07/2017 22:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1017	Open	GA2000
AUTO-LOG	04/07/2017 23:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	1017	Open	GA2000
AUTO-LOG	05/07/2017 00:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	1016	Open	GA2000

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED	Instrument Used
AUTO-LOG	05/07/2017 01:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1016	Open	GA2000
AUTO-LOG	05/07/2017 02:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1016	Open	GA2000
AUTO-LOG	05/07/2017 03:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Open	GA2000
AUTO-LOG	05/07/2017 04:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Open	GA2000
AUTO-LOG	05/07/2017 05:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Open	GA2000
AUTO-LOG	05/07/2017 06:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Open	GA2000
AUTO-LOG	05/07/2017 07:01	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Open	GA2000
AUTO-LOG	05/07/2017 08:01	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1016	Open	GA2000
AUTO-LOG	05/07/2017 09:01	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1016	Open	GA2000
AUTO-LOG	05/07/2017 10:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1016	Open	GA2000
AUTO-LOG	05/07/2017 11:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1016	Open	GA2000
AUTO-LOG	05/07/2017 12:01	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1016	Open	GA2000
AUTO-LOG	05/07/2017 13:01	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.2	1015	Open	GA2000
AUTO-LOG	05/07/2017 14:01	0.0	0.0	20.0	80.0	0.0	0.0	0.0	20.0	1016	Open	GA2000

Text in red represents low and falling pressure

Text in orange represents low and rising pressure

Text in purple represent erroneous data

Target number of readings	336
Achieved number of readings	303
Total number of readings with air bricks open	127
Total number of readings with air bricks closed	176
Maximum CH ₄ concentration	0.1% v/v
Maximum CO ₂ concentration	0.1% v/v
Minimum O ₂ concentration	19.3% v/v

27621 - Angmering - Void Monitoring Results - Plot 20

Gas Analyser Model GA2000 Plus
 MCERTS certified instrument Yes
 Serial No GA10941
 Date downloaded 19/06/2017
 Computer & User Info HH-GEO-LT-2828 - C Lewis
 Date of last user calibration 31/03/2017
 Date of last factory calibration 24/01/2017
 Next service due 24/07/2017
 Date of last Gas Check 24/01/2017
 Security code [04B3559A]

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	24/05/2017 10:02	0.0	0.0	19.8	80.2	0.0	0.0	0.0	19.7	1024	Open
AUTO-LOG	24/05/2017 11:02	0.1	0.0	20.0	79.9	0.1	2.0	0.0	19.9	1024	Open
AUTO-LOG	24/05/2017 12:02	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.1	1024	Open
AUTO-LOG	24/05/2017 13:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.1	1024	Open
AUTO-LOG	24/05/2017 14:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.2	1024	Open
AUTO-LOG	24/05/2017 15:02	0.0	0.0	20.3	79.7	0.1	0.0	0.0	20.3	1023	Open
AUTO-LOG	24/05/2017 16:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1023	Open
AUTO-LOG	24/05/2017 17:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1023	Open
AUTO-LOG	24/05/2017 18:02	0.0	0.0	20.4	79.6	0.1	0.0	0.0	20.3	1022	Open
AUTO-LOG	24/05/2017 19:02	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	1022	Open
AUTO-LOG	24/05/2017 20:02	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1022	Open
AUTO-LOG	24/05/2017 21:02	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1022	Open
AUTO-LOG	24/05/2017 22:02	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1022	Open
AUTO-LOG	24/05/2017 23:02	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1022	Open
AUTO-LOG	25/05/2017 00:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1022	Open
AUTO-LOG	25/05/2017 01:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1022	Open
AUTO-LOG	25/05/2017 02:02	0.0	0.0	20.6	79.4	0.0	0.0	0.1	20.6	1021	Open
AUTO-LOG	25/05/2017 03:02	0.0	0.0	20.7	79.3	0.0	0.0	0.1	20.6	1021	Open
AUTO-LOG	25/05/2017 04:02	0.0	0.0	20.7	79.3	0.0	0.0	0.1	20.7	1021	Open
AUTO-LOG	25/05/2017 05:02	0.0	0.0	20.7	79.3	0.0	0.0	0.1	20.7	1020	Open
AUTO-LOG	25/05/2017 06:02	0.0	0.1	20.7	79.2	0.0	0.0	0.1	20.7	1021	Open
AUTO-LOG	25/05/2017 07:02	0.0	0.0	20.6	79.4	0.0	0.0	0.1	20.6	1021	Open
AUTO-LOG	25/05/2017 08:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1021	Open
AUTO-LOG	25/05/2017 09:02	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1022	Open
AUTO-LOG	25/05/2017 10:02	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.0	1022	Open
AUTO-LOG	25/05/2017 11:02	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.0	1022	Open
AUTO-LOG	25/05/2017 12:02	0.0	0.0	20.3	79.7	0.1	0.0	0.0	20.2	1022	Open
AUTO-LOG	25/05/2017 13:02	0.0	0.0	20.3	79.7	0.1	0.0	0.0	20.2	1021	Open
AUTO-LOG	25/05/2017 14:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1021	Open
AUTO-LOG	25/05/2017 15:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1020	Open
AUTO-LOG	25/05/2017 16:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1020	Open
AUTO-LOG	25/05/2017 17:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1019	Open
AUTO-LOG	25/05/2017 18:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1019	Open
AUTO-LOG	25/05/2017 19:02	0.0	0.0	20.4	79.6	0.1	0.0	0.0	20.2	1018	Open
AUTO-LOG	25/05/2017 20:02	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	1018	Open
AUTO-LOG	25/05/2017 21:02	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Open
AUTO-LOG	25/05/2017 22:02	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	1018	Open
AUTO-LOG	25/05/2017 23:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1018	Open
AUTO-LOG	26/05/2017 00:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1017	Open
AUTO-LOG	26/05/2017 01:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1017	Open
AUTO-LOG	26/05/2017 02:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1016	Open
AUTO-LOG	26/05/2017 03:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1016	Open
AUTO-LOG	26/05/2017 04:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1016	Open
AUTO-LOG	26/05/2017 05:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1015	Open
AUTO-LOG	26/05/2017 06:02	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1015	Open
AUTO-LOG	26/05/2017 07:02	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1016	Open
AUTO-LOG	26/05/2017 08:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1016	Open
AUTO-LOG	26/05/2017 09:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1016	Open
AUTO-LOG	26/05/2017 10:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1016	Open
AUTO-LOG	26/05/2017 11:02	0.0	0.0	20.2	79.8	0.1	0.0	0.0	20.1	1016	Open
AUTO-LOG	26/05/2017 12:02	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.2	1016	Open
AUTO-LOG	26/05/2017 13:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.2	1015	Open
AUTO-LOG	26/05/2017 14:02	0.0	0.0	20.2	79.8	0.1	0.0	0.0	20.1	1014	Open
AUTO-LOG	26/05/2017 15:02	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.1	1014	Open
AUTO-LOG	26/05/2017 16:02	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.1	1014	Open
AUTO-LOG	26/05/2017 17:02	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.1	1013	Open
AUTO-LOG	26/05/2017 18:03	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.1	1012	Open
AUTO-LOG	26/05/2017 19:03	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.1	1012	Open
AUTO-LOG	26/05/2017 20:03	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.1	1011	Open
AUTO-LOG	26/05/2017 21:03	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.2	1011	Open
AUTO-LOG	26/05/2017 22:03	0.1	0.0	20.4	79.5	0.1	2.0	0.0	20.3	1011	Open
AUTO-LOG	26/05/2017 23:03	0.1	0.0	20.4	79.5	0.1	2.0	0.0	20.3	1011	Open
AUTO-LOG	27/05/2017 00:03	0.0	0.0	20.4	79.6	0.1	0.0	0.0	20.4	1010	Open
AUTO-LOG	27/05/2017 01:03	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1010	Open
AUTO-LOG	27/05/2017 02:03	0.0	0.0	20.5	79.5	0.1	0.0	0.0	20.4	1009	Open
AUTO-LOG	27/05/2017 03:03	0.0	0.0	20.5	79.5	0.1	0.0	0.0	20.4	1009	Open
AUTO-LOG	27/05/2017 04:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.4	1009	Open
AUTO-LOG	27/05/2017 05:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1009	Open
AUTO-LOG	27/05/2017 06:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1009	Open
AUTO-LOG	27/05/2017 07:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1009	Open
AUTO-LOG	27/05/2017 08:03	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1010	Open
AUTO-LOG	27/05/2017 09:03	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1010	Open
AUTO-LOG	27/05/2017 10:03	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1011	Open
AUTO-LOG	27/05/2017 11:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1012	Open
AUTO-LOG	27/05/2017 12:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1012	Open
AUTO-LOG	27/05/2017 13:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1013	Open
AUTO-LOG	27/05/2017 14:03	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1013	Open

ARUN DISTRICT COUNCIL A/155/21/DOC

ARUN DISTRICT COUNCIL A/155/21/DOC

ARUN DISTRICT COUNCIL A/155/21/DOC

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	14/06/2017 05:21	0.0	0.1	20.8	79.1	0.0	0.0	0.1	20.8	1014	Closed
AUTO-LOG	14/06/2017 06:21	0.0	0.1	20.7	79.2	0.0	0.0	0.1	20.7	1014	Closed
AUTO-LOG	14/06/2017 07:21	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1015	Closed
AUTO-LOG	14/06/2017 08:21	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.3	1015	Closed
AUTO-LOG	14/06/2017 09:21	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1015	Closed
AUTO-LOG	14/06/2017 10:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1015	Closed
AUTO-LOG	14/06/2017 11:21	0.0	0.0	20.3	79.7	0.1	0.0	0.0	20.3	1015	Closed
AUTO-LOG	14/06/2017 12:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1015	Closed
AUTO-LOG	14/06/2017 13:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1014	Closed
AUTO-LOG	14/06/2017 14:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1014	Closed
AUTO-LOG	14/06/2017 15:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1013	Closed
AUTO-LOG	14/06/2017 16:21	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.2	1013	Closed
AUTO-LOG	14/06/2017 17:21	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.2	1012	Closed
AUTO-LOG	14/06/2017 18:21	0.1	0.0	20.2	79.7	0.1	2.0	0.0	20.2	1011	Closed
AUTO-LOG	14/06/2017 19:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1011	Closed
AUTO-LOG	14/06/2017 20:21	0.1	0.0	20.3	79.6	0.1	2.0	0.0	20.3	1011	Closed
AUTO-LOG	14/06/2017 21:21	0.1	0.0	20.4	79.5	0.1	2.0	0.0	20.4	1011	Closed
AUTO-LOG	14/06/2017 22:21	0.1	0.0	20.5	79.4	0.1	2.0	0.0	20.5	1011	Closed
AUTO-LOG	14/06/2017 23:21	0.0	0.0	20.5	79.5	0.1	0.0	0.0	20.5	1011	Closed
AUTO-LOG	15/06/2017 00:21	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1011	Closed
AUTO-LOG	15/06/2017 01:21	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1011	Closed
AUTO-LOG	15/06/2017 02:21	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.7	1010	Closed
AUTO-LOG	15/06/2017 03:21	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.7	1010	Closed
AUTO-LOG	15/06/2017 04:21	0.0	0.0	20.7	79.3	0.0	0.0	0.0	20.7	1010	Closed
AUTO-LOG	15/06/2017 05:21	0.0	0.1	20.7	79.2	0.0	0.0	0.1	20.7	1010	Closed
AUTO-LOG	15/06/2017 06:21	0.0	0.1	20.7	79.2	0.0	0.0	0.1	20.7	1010	Closed
AUTO-LOG	15/06/2017 07:21	0.0	0.0	20.6	79.4	0.0	0.0	0.1	20.6	1011	Closed
AUTO-LOG	15/06/2017 08:21	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1011	Closed
AUTO-LOG	15/06/2017 09:21	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.2	1012	Closed
AUTO-LOG	15/06/2017 10:21	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1012	Closed
AUTO-LOG	15/06/2017 11:21	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1013	Closed
AUTO-LOG	15/06/2017 12:21	0.0	0.0	20.3	79.7	0.0	0.0	0.0	20.3	1013	Closed
AUTO-LOG	15/06/2017 13:21	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1013	Closed
AUTO-LOG	15/06/2017 14:21	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1013	C

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	17/06/2017 23:23	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.5	1023	Closed
AUTO-LOG	18/06/2017 00:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1023	Closed
AUTO-LOG	18/06/2017 01:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1022	Closed
AUTO-LOG	18/06/2017 02:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1022	Closed
AUTO-LOG	18/06/2017 03:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1021	Closed
AUTO-LOG	18/06/2017 04:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1021	Closed
AUTO-LOG	18/06/2017 05:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1021	Closed
AUTO-LOG	18/06/2017 06:22	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1021	Closed
AUTO-LOG	18/06/2017 07:22	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1022	Closed
AUTO-LOG	18/06/2017 08:23	0.0	0.0	20.2	79.8	0.0	0.0	0.0	20.2	1022	Closed
AUTO-LOG	18/06/2017 09:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1022	Closed
AUTO-LOG	18/06/2017 10:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1022	Closed
AUTO-LOG	18/06/2017 11:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1022	Closed
AUTO-LOG	18/06/2017 12:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1022	Closed
AUTO-LOG	18/06/2017 13:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1021	Closed
AUTO-LOG	18/06/2017 14:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1021	Closed
AUTO-LOG	18/06/2017 15:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1021	Closed
AUTO-LOG	18/06/2017 16:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1020	Closed
AUTO-LOG	18/06/2017 17:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1020	Closed
AUTO-LOG	18/06/2017 18:23	0.0	0.0	20.1	79.9	0.1	0.0	0.0	20.1	1019	Closed
AUTO-LOG	18/06/2017 19:23	0.0	0.0	20.1	79.9	0.1	0.0	0.0	20.1	1019	Closed
AUTO-LOG	18/06/2017 20:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1019	Closed
AUTO-LOG	18/06/2017 21:23	0.0	0.0	20.3	79.7	0.1	0.0	0.0	20.3	1019	Closed
AUTO-LOG	18/06/2017 22:23	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1019	Closed
AUTO-LOG	18/06/2017 23:23	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1019	Closed
AUTO-LOG	19/06/2017 00:23	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1018	Closed
AUTO-LOG	19/06/2017 01:23	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Closed
AUTO-LOG	19/06/2017 02:23	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1018	Closed
AUTO-LOG	19/06/2017 03:23	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1017	Closed
AUTO-LOG	19/06/2017 04:23	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1017	Closed
AUTO-LOG	19/06/2017 05:23	0.0	0.0	20.6	79.4	0.0	0.0	0.0	20.6	1017	Closed
AUTO-LOG	19/06/2017 06:23	0.0	0.0	20.5	79.5	0.0	0.0	0.0	20.5	1017	Closed
AUTO-LOG	19/06/2017 07:23	0.0	0.0	20.4	79.6	0.0	0.0	0.0	20.4	1017	Closed
AUTO-LOG	19/06/2017 08:23	0.0	0.0	20.1	79.9	0.0	0.0	0.0	20.1	1017	Closed
AUTO-LOG	19/06/2017 09:23	0.0	0.0	20.0	80.0	0.0	0.0	0.0	20.0	1017	Closed
AUTO-LOG	19/06/2017 10:23	0.0	0.0	20.0	80.0	0.1	0.0	0.0	19.9	1017	Closed
AUTO-LOG	19/06/2017 11:23	0.0	0.0	20.0	80.0	0.1	0.0	0.0	20.0	1017	Closed
AUTO-LOG	19/06/2017 12:23	0.1	0.0	19.6	80.3	0.1	2.0	0.0	19.4	1018	Closed
AUTO-LOG	19/06/2017 13:23	0.1	0.0	19.7	80.2	0.1	2.0	0.0	19.6	1015	Closed

Text in red represents low and falling pressure

Text in orange represents low and rising pressure

Text in purple represent erroneous data

Target number of readings	336
Achieved number of readings	563
Total number of readings with air bricks open	147
Total number of readings with air bricks closed	416
Maximum CH ₄ concentration	0.1% v/v
Maximum CO ₂ concentration	0.1% v/v
Minimum O ₂ concentration	19.6% v/v

27621 - Angmering - Void Monitoring Results - Plot 28

Gas Analyser Model GA2000 Plus
 MCERTS certified instrument Yes
 Serial No GA10941
 Date downloaded 12/05/2017
 Computer & User Info HH-GEO-LT-2828 - C Lewis
 Date of last user calibration 31/03/2017
 Date of last factory calibration 24/01/2017
 Next service due 24/07/2017
 Date of last Gas Check 24/01/2017
 Security code [F392B57C]

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	26/04/2017 12:03	0.0	0.0	21.5	78.5	0.0	0.0	0.0	21.4	1014	OPEN
AUTO-LOG	26/04/2017 13:03	0.0	0.0	21.5	78.5	0.0	0.0	0.0	21.3	1013	OPEN
AUTO-LOG	26/04/2017 14:03	0.0	0.0	21.3	78.7	0.0	0.0	0.0	21.2	1013	OPEN
AUTO-LOG	26/04/2017 15:03	0.0	0.0	21.3	78.7	0.0	0.0	0.1	21.2	1014	OPEN
AUTO-LOG	26/04/2017 16:03	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1015	OPEN
AUTO-LOG	26/04/2017 17:03	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.3	1014	OPEN
AUTO-LOG	26/04/2017 18:03	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1014	OPEN
AUTO-LOG	26/04/2017 19:03	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.4	1015	OPEN
AUTO-LOG	26/04/2017 20:03	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.4	1015	OPEN
AUTO-LOG	26/04/2017 21:03	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	26/04/2017 22:03	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	26/04/2017 23:03	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 00:03	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 01:04	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 02:04	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 03:04	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 04:04	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 05:04	0.0	0.1	21.6	78.3	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 06:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1016	OPEN
AUTO-LOG	27/04/2017 07:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.3	1016	OPEN
AUTO-LOG	27/04/2017 08:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1016	OPEN
AUTO-LOG	27/04/2017 09:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1016	OPEN
AUTO-LOG	27/04/2017 10:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1016	OPEN
AUTO-LOG	27/04/2017 11:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1015	OPEN
AUTO-LOG	27/04/2017 12:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1015	OPEN
AUTO-LOG	27/04/2017 13:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1015	OPEN
AUTO-LOG	27/04/2017 14:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1014	OPEN
AUTO-LOG	27/04/2017 15:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1014	OPEN
AUTO-LOG	27/04/2017 16:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	27/04/2017 17:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	27/04/2017 18:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	27/04/2017 19:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	27/04/2017 20:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	27/04/2017 21:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	27/04/2017 22:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1013	OPEN
AUTO-LOG	27/04/2017 23:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1013	OPEN
AUTO-LOG	28/04/2017 00:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 01:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 02:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 03:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 04:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 05:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 06:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	28/04/2017 07:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1012	OPEN
AUTO-LOG	28/04/2017 08:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	28/04/2017 09:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	28/04/2017 10:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 11:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 12:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 13:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 14:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 15:04	0.0	0.0	21.1	78.9	0.0	0.0	0.0	21.1	1013	OPEN
AUTO-LOG	28/04/2017 16:04	0.0	0.0	21.2	78.8	0.0	0.0	0.1	21.1	1013	OPEN
AUTO-LOG	28/04/2017 17:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	28/04/2017 18:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1012	OPEN
AUTO-LOG	28/04/2017 19:04	0.0	0.0	21.2	78.8	0.0	0.0	0.1	21.2	1013	OPEN
AUTO-LOG	28/04/2017 20:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	28/04/2017 21:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1013	OPEN
AUTO-LOG	28/04/2017 22:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1013	OPEN
AUTO-LOG	28/04/2017 23:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1013	OPEN
AUTO-LOG	29/04/2017 00:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	29/04/2017 01:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1012	OPEN
AUTO-LOG	29/04/2017 02:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1012	OPEN
AUTO-LOG	29/04/2017 03:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1012	OPEN
AUTO-LOG	29/04/2017 04:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1012	OPEN
AUTO-LOG	29/04/2017 05:04	0.0	0.1	21.5	78.4	0.0	0.0	0.1	21.5	1012	OPEN
AUTO-LOG	29/04/2017 06:04	0.0	0.1	21.4	78.5	0.0	0.0	0.1	21.4	1012	OPEN
AUTO-LOG	29/04/2017 07:04	0.0	0.1	21.3	78.6	0.0	0.0	0.1	21.3	1012	OPEN
AUTO-LOG	29/04/2017 08:04	0.0	0.1	21.2	78.7	0.0	0.0	0.1	21.2	1012	OPEN
AUTO-LOG	29/04/2017 09:04	0.0	0.1	21.1	78.8	0.0	0.0	0.1	21.1	1012	OPEN
AUTO-LOG	29/04/2017 10:04	0.0	0.1	21.0	78.9	0.0	0.0	0.1	21.0	1012	OPEN
AUTO-LOG	29/04/2017 11:04	0.0	0.0	21.0	79.0	0.0	0.0	0.0	21.0	1012	OPEN
AUTO-LOG	29/04/2017 12:04	0.0	0.0	21.0	79.0	0.0	0.0	0.0	21.0	1011	OPEN
AUTO-LOG	29/04/2017 13:04	0.0	0.0	21.1	78.9	0.0	0.0	0.0	21.1	1011	OPEN
AUTO-LOG	29/04/2017 14:04	0.0	0.0	21.1	78.9	0.0	0.0	0.0	21.1	1010	OPEN
AUTO-LOG	29/04/2017 15:04	0.0	0.0	21.1	78.9	0.0	0.0	0.0	21.1	1009	OPEN
AUTO-LOG	29/04/2017 16:05	0.0	0.0	21.1	78.9	0.0	0.0	0.0	21.1	1009	OPEN

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ARUN DISTRICT COUNCIL A/155/21/DOC

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	PEAK CH ₄ % v/v	PEAK CO ₂ % v/v	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	11/05/2017 23:49	0.0	0.1	21.2	78.7	0.0	0.0	0.0	21.2	993	CLOSED
AUTO-LOG	11/05/2017 23:49	0.0	0.1	21.2	78.7	0.0	0.0	0.0	21.2	993	CLOSED
AUTO-LOG	11/05/2017 00:49	0.0	0.1	21.2	78.7	0.0	0.0	0.0	21.2	995	CLOSED
AUTO-LOG	11/05/2017 01:49	0.0	0.1	21.3	78.6	0.0	0.0	0.0	21.2	994	CLOSED
AUTO-LOG	11/05/2017 02:49	0.0	0.1	21.3	78.6	0.0	0.0	0.0	21.3	993	CLOSED
AUTO-LOG	11/05/2017 03:49	0.0	0.1	21.2	78.7	0.0	0.0	0.0	21.2	993	CLOSED
AUTO-LOG	11/05/2017 04:49	0.0	0.1	21.2	78.7	0.0	0.0	0.0	21.2	992	CLOSED
AUTO-LOG	11/05/2017 05:49	0.0	0.1	21.1	78.8	0.0	0.0	0.0	21.1	992	CLOSED
AUTO-LOG	11/05/2017 06:49	0.0	0.1	21.1	78.8	0.0	0.0	0.0	21.1	992	CLOSED
AUTO-LOG	11/05/2017 07:49	0.0	0.1	21.0	78.9	0.0	0.0	0.0	20.9	992	CLOSED
AUTO-LOG	11/05/2017 08:49	0.0	0.0	20.9	79.2	0.0	0.0	0.0	20.9	992	CLOSED
AUTO-LOG	11/05/2017 09:49	0.0	0.0	20.9	79.2	0.0	0.0	0.0	20.9	992	CLOSED
AUTO-LOG	11/05/2017 10:49	0.0	0.0	20.9	79.2	0.0	0.0	0.0	20.9	992	CLOSED
AUTO-LOG	11/05/2017 11:49	0.0	0.0	20.9	79.2	0.0	0.0	0.0	20.9	992	CLOSED
AUTO-LOG	11/05/2017 12:49	0.0	0.0	20.8	79.2	0.0	0.0	0.0	20.8	992	CLOSED

Text in red represents low end falling pressure

Text in orange represents low end rising pressure

Text in purple represent erroneous data

Target number of readings	336
Achieved number of readings	361
Total number of readings with air bricks open	169
Total number of readings with air bricks closed	192
Maximum CH ₄ concentration	0.1% v/v
Maximum CO ₂ concentration	0.1% v/v
Minimum O ₂ concentration	20.4% v/v

27621 - Angmering - Void Monitoring Results - Plot 30

Gas Analyser Model GA2000 Plus
 MCERTS certified instrument Yes
 Serial No GA10941
 Date downloaded 07/06/2017
 Computer & User Info HH-GEO-LT-2828 - C Lewis
 Date of last user calibration 31/03/2017
 Date of last factory calibration 24/01/2017
 Next service due 24/07/2017
 Date of last Gas Check 24/01/2017
 Security code [AA0E2B0B]

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	26/04/2017 12:03	0.0	0.0	21.5	78.5	0.0	21.4	1014	Open
AUTO-LOG	26/04/2017 13:03	0.0	0.0	21.5	78.5	0.0	21.3	1013	Open
AUTO-LOG	26/04/2017 14:03	0.0	0.0	21.3	78.7	0.0	21.2	1013	Open
AUTO-LOG	26/04/2017 15:03	0.0	0.0	21.3	78.7	0.0	21.2	1014	Open
AUTO-LOG	26/04/2017 16:03	0.0	0.1	21.3	78.6	0.0	21.3	1015	Open
AUTO-LOG	26/04/2017 17:03	0.0	0.1	21.4	78.5	0.0	21.3	1014	Open
AUTO-LOG	26/04/2017 18:03	0.0	0.1	21.4	78.5	0.0	21.4	1014	Open
AUTO-LOG	26/04/2017 19:03	0.0	0.1	21.5	78.4	0.0	21.4	1015	Open
AUTO-LOG	26/04/2017 20:03	0.0	0.1	21.5	78.4	0.0	21.4	1015	Open
AUTO-LOG	26/04/2017 21:03	0.0	0.1	21.5	78.4	0.0	21.5	1016	Open
AUTO-LOG	26/04/2017 22:03	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	26/04/2017 23:03	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 00:03	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 01:04	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 02:04	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 03:04	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 04:04	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 05:04	0.0	0.1	21.6	78.3	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 06:04	0.0	0.1	21.5	78.4	0.0	21.5	1016	Open
AUTO-LOG	27/04/2017 07:04	0.0	0.1	21.4	78.5	0.0	21.3	1016	Open
AUTO-LOG	27/04/2017 08:04	0.0	0.1	21.3	78.6	0.0	21.3	1016	Open
AUTO-LOG	27/04/2017 09:04	0.0	0.1	21.3	78.6	0.0	21.2	1016	Open
AUTO-LOG	27/04/2017 10:04	0.0	0.1	21.2	78.7	0.0	21.2	1016	Open
AUTO-LOG	27/04/2017 11:04	0.0	0.1	21.2	78.7	0.0	21.2	1015	Open
AUTO-LOG	27/04/2017 12:04	0.0	0.1	21.2	78.7	0.0	21.2	1015	Open
AUTO-LOG	27/04/2017 13:04	0.0	0.1	21.2	78.7	0.0	21.2	1015	Open
AUTO-LOG	27/04/2017 14:04	0.0	0.1	21.3	78.6	0.0	21.2	1014	Open
AUTO-LOG	27/04/2017 15:04	0.0	0.1	21.3	78.6	0.0	21.2	1014	Open
AUTO-LOG	27/04/2017 16:04	0.0	0.1	21.3	78.6	0.0	21.2	1013	Open
AUTO-LOG	27/04/2017 17:04	0.0	0.1	21.3	78.6	0.0	21.2	1013	Open
AUTO-LOG	27/04/2017 18:04	0.0	0.1	21.3	78.6	0.0	21.3	1013	Open
AUTO-LOG	27/04/2017 19:04	0.0	0.1	21.3	78.6	0.0	21.3	1013	Open
AUTO-LOG	27/04/2017 20:04	0.0	0.1	21.4	78.5	0.0	21.3	1013	Open
AUTO-LOG	27/04/2017 21:04	0.0	0.1	21.4	78.5	0.0	21.3	1013	Open
AUTO-LOG	27/04/2017 22:04	0.0	0.1	21.4	78.5	0.0	21.4	1013	Open
AUTO-LOG	27/04/2017 23:04	0.0	0.1	21.4	78.5	0.0	21.4	1013	Open
AUTO-LOG	28/04/2017 00:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 01:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 02:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 03:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 04:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 05:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 06:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	28/04/2017 07:04	0.0	0.1	21.3	78.6	0.0	21.3	1012	Open
AUTO-LOG	28/04/2017 08:04	0.0	0.1	21.3	78.6	0.0	21.2	1013	Open
AUTO-LOG	28/04/2017 09:04	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	28/04/2017 10:04	0.0	0.1	21.1	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 11:04	0.0	0.1	21.1	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 12:04	0.0	0.1	21.1	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 13:04	0.0	0.1	21.1	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 14:04	0.0	0.1	21.1	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 15:04	0.0	0.0	21.1	78.9	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 16:04	0.0	0.0	21.2	78.8	0.0	21.1	1013	Open
AUTO-LOG	28/04/2017 17:04	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	28/04/2017 18:04	0.0	0.1	21.2	78.7	0.0	21.2	1012	Open
AUTO-LOG	28/04/2017 19:04	0.0	0.0	21.2	78.8	0.0	21.2	1013	Open
AUTO-LOG	28/04/2017 20:04	0.0	0.1	21.3	78.6	0.0	21.3	1013	Open
AUTO-LOG	28/04/2017 21:04	0.0	0.1	21.3	78.6	0.0	21.3	1013	Open
AUTO-LOG	28/04/2017 22:04	0.0	0.1	21.4	78.5	0.0	21.4	1013	Open
AUTO-LOG	28/04/2017 23:04	0.0	0.1	21.4	78.5	0.0	21.4	1013	Open
AUTO-LOG	29/04/2017 00:04	0.0	0.1	21.5	78.4	0.0	21.4	1012	Open
AUTO-LOG	29/04/2017 01:04	0.0	0.1	21.5	78.4	0.0	21.5	1012	Open

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	29/04/2017 02:04	0.0	0.1	21.5	78.4	0.0	21.5	1012	Open
AUTO-LOG	29/04/2017 03:04	0.0	0.1	21.5	78.4	0.0	21.5	1012	Open
AUTO-LOG	29/04/2017 04:04	0.0	0.1	21.5	78.4	0.0	21.5	1012	Open
AUTO-LOG	29/04/2017 05:04	0.0	0.1	21.5	78.4	0.0	21.5	1012	Open
AUTO-LOG	29/04/2017 06:04	0.0	0.1	21.4	78.5	0.0	21.4	1012	Open
AUTO-LOG	29/04/2017 07:04	0.0	0.1	21.3	78.6	0.0	21.3	1012	Open
AUTO-LOG	29/04/2017 08:04	0.0	0.1	21.2	78.7	0.0	21.2	1012	Open
AUTO-LOG	29/04/2017 09:04	0.0	0.1	21.1	78.8	0.0	21.1	1012	Open
AUTO-LOG	29/04/2017 10:04	0.0	0.1	21.0	78.9	0.0	21.0	1012	Open
AUTO-LOG	29/04/2017 11:04	0.0	0.0	21.0	79.0	0.0	21.0	1012	Open
AUTO-LOG	29/04/2017 12:04	0.0	0.0	21.0	79.0	0.0	21.0	1011	Open
AUTO-LOG	29/04/2017 13:04	0.0	0.0	21.1	78.9	0.0	21.1	1011	Open
AUTO-LOG	29/04/2017 14:04	0.0	0.0	21.1	78.9	0.0	21.1	1010	Open
AUTO-LOG	29/04/2017 15:04	0.0	0.0	21.1	78.9	0.0	21.1	1009	Open
AUTO-LOG	29/04/2017 16:05	0.0	0.0	21.1	78.9	0.0	21.1	1009	Open
AUTO-LOG	29/04/2017 17:05	0.0	0.0	21.1	78.9	0.0	21.1	1008	Open
AUTO-LOG	29/04/2017 18:05	0.0	0.0	21.1	78.9	0.0	21.1	1007	Open
AUTO-LOG	29/04/2017 19:05	0.0	0.0	21.1	78.9	0.0	21.1	1006	Open
AUTO-LOG	29/04/2017 20:05	0.0	0.1	21.2	78.7	0.0	21.2	1006	Open
AUTO-LOG	29/04/2017 21:05	0.0	0.1	21.2	78.7	0.0	21.1	1006	Open
AUTO-LOG	29/04/2017 22:05	0.0	0.1	21.1	78.8	0.0	21.1	1005	Open
AUTO-LOG	29/04/2017 23:05	0.0	0.1	21.2	78.7	0.0	21.2	1005	Open
AUTO-LOG	30/04/2017 00:05	0.0	0.1	21.2	78.7	0.0	21.2	1004	Open
AUTO-LOG	30/04/2017 01:05	0.0	0.1	21.2	78.7	0.0	21.2	1003	Open
AUTO-LOG	30/04/2017 02:05	0.0	0.1	21.2	78.7	0.0	21.2	1002	Open
AUTO-LOG	30/04/2017 03:05	0.0	0.1	21.2	78.7	0.0	21.2	1002	Open
AUTO-LOG	30/04/2017 04:05	0.0	0.1	21.2	78.7	0.0	21.2	1001	Open
AUTO-LOG	30/04/2017 05:05	0.0	0.1	21.3	78.6	0.0	21.2	1000	Open
AUTO-LOG	30/04/2017 06:05	0.0	0.1	21.2	78.7	0.0	21.2	1000	Open
AUTO-LOG	30/04/2017 07:05	0.0	0.1	21.2	78.7	0.0	21.2	999	Open
AUTO-LOG	30/04/2017 08:05	0.0	0.1	21.1	78.8	0.0	21.1	998	Open
AUTO-LOG	30/04/2017 09:05	0.0	0.1	21.1	78.8	0.0	21.1	997	Open
AUTO-LOG	30/04/2017 10:05	0.0	0.1	21.0	78.9	0.0	21.0	996	Open
AUTO-LOG	30/04/2017 11:05	0.0	0.1	21.0	78.9	0.0	21.0	996	Open
AUTO-LOG	30/04/2017 12:05	0.0	0.1	21.0	78.9	0.0	21.0	996	Open
AUTO-LOG	30/04/2017 13:05	0.0	0.0	21.0	79.0	0.0	21.0	996	Open
AUTO-LOG	30/04/2017 14:05	0.0	0.1	21.1	78.8	0.0	21.1	995	Open
AUTO-LOG	30/04/2017 15:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 16:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 17:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 18:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 19:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 20:05	0.0	0.1	21.1	78.8	0.0	21.1	994	Open
AUTO-LOG	30/04/2017 21:05	0.0	0.1	21.2	78.7	0.0	21.2	994	Open
AUTO-LOG	30/04/2017 22:05	0.0	0.1	21.2	78.7	0.0	21.2	994	Open
AUTO-LOG	30/04/2017 23:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 00:05	0.0	0.1	21.2	78.7	0.0	21.2	994	Open
AUTO-LOG	01/05/2017 01:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 02:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 03:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 04:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 05:05	0.0	0.1	21.2	78.7	0.0	21.2	995	Open
AUTO-LOG	01/05/2017 06:05	0.0	0.1	21.2	78.7	0.0	21.2	996	Open
AUTO-LOG	01/05/2017 07:05	0.0	0.1	21.1	78.8	0.0	21.1	996	Open
AUTO-LOG	01/05/2017 08:05	0.0	0.1	21.1	78.8	0.0	21.1	997	Open
AUTO-LOG	01/05/2017 09:05	0.0	0.1	21.0	78.9	0.0	21.0	997	Open
AUTO-LOG	01/05/2017 10:05	0.0	0.1	20.9	79.0	0.0	20.9	998	Open
AUTO-LOG	01/05/2017 11:05	0.0	0.1	21.0	78.9	0.0	21.0	999	Open
AUTO-LOG	01/05/2017 12:05	0.0	0.1	20.9	79.0	0.0	20.9	1000	Open
AUTO-LOG	01/05/2017 13:05	0.0	0.0	20.9	79.1	0.0	20.9	1001	Open
AUTO-LOG	01/05/2017 14:05	0.0	0.0	21.0	79.0	0.0	21.0	1002	Open
AUTO-LOG	01/05/2017 15:05	0.0	0.0	21.0	79.0	0.0	21.0	1002	Open
AUTO-LOG	01/05/2017 16:05	0.0	0.0	21.1	78.9	0.0	21.1	1002	Open
AUTO-LOG	01/05/2017 17:05	0.0	0.1	21.1	78.8	0.0	21.1	1002	Open
AUTO-LOG	01/05/2017 18:05	0.0	0.1	21.1	78.8	0.0	21.1	1003	Open
AUTO-LOG	01/05/2017 19:05	0.0	0.1	21.2	78.7	0.0	21.2	1004	Open
AUTO-LOG	01/05/2017 20:05	0.0	0.1	21.2	78.7	0.0	21.2	1005	Open
AUTO-LOG	01/05/2017 21:05	0.0	0.1	21.2	78.7	0.0	21.2	1006	Open
AUTO-LOG	01/05/2017 22:05	0.0	0.1	21.2	78.7	0.0	21.2	1007	Open
AUTO-LOG	01/05/2017 23:05	0.0	0.1	21.2	78.7	0.0	21.2	1008	Open
AUTO-LOG	02/05/2017 00:05	0.0	0.1	21.2	78.7	0.0	21.2	1009	Open
AUTO-LOG	02/05/2017 01:05	0.0	0.1	21.2	78.7	0.0	21.2	1009	Open
AUTO-LOG	02/05/2017 02:05	0.0	0.1	21.2	78.7	0.0	21.2	1010	Open
AUTO-LOG	02/05/2017 03:05	0.0	0.1	21.2	78.7	0.0	21.2	1011	Open
AUTO-LOG	02/05/2017 04:05	0.0	0.1	21.3	78.6	0.0	21.3	1011	Open
AUTO-LOG	02/05/2017 05:05	0.0	0.1	21.3	78.6	0.0	21.3	1012	Open

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	02/05/2017 06:05	0.0	0.1	21.3	78.6	0.0	21.3	1013	Open
AUTO-LOG	02/05/2017 07:05	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	02/05/2017 08:05	0.0	0.1	21.1	78.8	0.0	21.1	1014	Open
AUTO-LOG	02/05/2017 09:06	0.0	0.1	21.0	78.9	0.0	21.0	1014	Open
AUTO-LOG	02/05/2017 10:06	0.0	0.1	20.8	79.1	0.0	20.8	1015	Open
AUTO-LOG	02/05/2017 11:06	0.0	0.1	20.8	79.1	0.0	20.8	1015	Open
AUTO-LOG	02/05/2017 12:06	0.0	0.0	20.7	79.3	0.0	20.7	1016	Open
AUTO-LOG	02/05/2017 13:06	0.0	0.1	20.8	79.1	0.0	20.5	1012	Open
AUTO-LOG	02/05/2017 14:06	0.0	0.0	21.0	79.0	0.0	20.9	1016	Open
AUTO-LOG	02/05/2017 15:06	0.0	0.0	21.0	79.0	0.0	20.6	1016	Open
AUTO-LOG	02/05/2017 16:06	0.0	0.0	20.9	79.1	0.0	20.9	1016	Open
AUTO-LOG	02/05/2017 17:06	0.0	0.0	20.7	79.3	0.0	20.7	1017	Open
AUTO-LOG	02/05/2017 18:06	0.0	0.0	20.9	79.1	0.0	20.7	1017	Open
AUTO-LOG	02/05/2017 19:06	0.0	0.0	20.9	79.1	0.0	20.8	1017	Open
AUTO-LOG	02/05/2017 20:06	0.0	0.0	20.9	79.1	0.0	20.7	1017	Open
AUTO-LOG	02/05/2017 21:06	0.0	0.0	20.9	79.1	0.0	20.8	1017	Open
AUTO-LOG	02/05/2017 22:06	0.0	0.0	20.9	79.1	0.0	20.9	1018	Open
AUTO-LOG	02/05/2017 23:06	0.0	0.0	20.9	79.1	0.0	20.7	1018	Open
AUTO-LOG	03/05/2017 00:06	0.0	0.0	21.0	79.0	0.0	20.9	1018	Open
AUTO-LOG	03/05/2017 01:06	0.0	0.0	21.0	79.0	0.0	20.9	1018	Open
AUTO-LOG	03/05/2017 02:06	0.0	0.0	21.0	79.0	0.0	20.7	1018	Open
AUTO-LOG	03/05/2017 03:06	0.0	0.0	21.0	79.0	0.0	20.9	1017	Open
AUTO-LOG	03/05/2017 04:06	0.0	0.0	21.0	79.0	0.0	20.8	1017	Open
AUTO-LOG	03/05/2017 05:06	0.0	0.0	21.0	79.0	0.0	20.9	1017	Open
AUTO-LOG	03/05/2017 06:06	0.0	0.0	21.1	78.9	0.0	21.0	1017	Open
AUTO-LOG	03/05/2017 07:06	0.0	0.0	21.1	78.9	0.0	20.9	1017	Open
AUTO-LOG	03/05/2017 08:06	0.0	0.0	21.1	78.9	0.0	21.1	1017	Open
AUTO-LOG	03/05/2017 09:06	0.0	0.0	21.1	78.9	0.0	20.9	1015	Open
AUTO-LOG	03/05/2017 10:06	0.0	0.0	21.1	78.9	0.0	21.1	1016	Open
AUTO-LOG	03/05/2017 11:06	0.0	0.0	21.1	78.9	0.0	21.0	1017	Open
AUTO-LOG	03/05/2017 12:06	0.0	0.0	21.1	78.9	0.0	20.8	1017	Open
AUTO-LOG	03/05/2017 14:40	0.0	0.0	21.0	79.0	0.0	21.0	1017	Open
AUTO-LOG	03/05/2017 15:40	0.0	0.0	21.1	78.9	0.0	21.1	1017	Open
AUTO-LOG	03/05/2017 16:40	0.0	0.0	21.1	78.9	0.0	21.1	1017	Open
AUTO-LOG	03/05/2017 17:40	0.0	0.0	21.1	78.9	0.0	21.1	1016	Open
AUTO-LOG	03/05/2017 18:40	0.0	0.0	21.2	78.8	0.0	21.1	1017	Open
AUTO-LOG	03/05/2017 19:40	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	03/05/2017 20:40	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	03/05/2017 21:40	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	03/05/2017 22:40	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	03/05/2017 23:40	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	04/05/2017 00:40	0.0	0.1	21.3	78.6	0.0	21.2	1017	Open
AUTO-LOG	04/05/2017 01:40	0.0	0.1	21.3	78.6	0.0	21.2	1016	Open
AUTO-LOG	04/05/2017 02:40	0.0	0.1	21.3	78.6	0.0	21.3	1016	Open
AUTO-LOG	04/05/2017 03:40	0.0	0.1	21.2	78.7	0.0	21.2	1016	Open
AUTO-LOG	04/05/2017 04:40	0.0	0.1	21.2	78.7	0.0	21.2	1016	Open
AUTO-LOG	04/05/2017 05:40	0.0	0.1	21.2	78.7	0.0	21.2	1016	Open
AUTO-LOG	04/05/2017 06:40	0.0	0.1	21.2	78.7	0.0	21.2	1016	Open
AUTO-LOG	04/05/2017 07:41	0.0	0.1	21.1	78.8	0.0	21.1	1016	Open
AUTO-LOG	04/05/2017 08:41	0.0	0.1	21.1	78.8	0.0	21.1	1016	Open
AUTO-LOG	04/05/2017 09:41	0.0	0.1	21.0	78.9	0.0	21.0	1016	Open
AUTO-LOG	04/05/2017 10:41	0.0	0.0	21.0	79.0	0.0	21.0	1016	Open
AUTO-LOG	04/05/2017 11:41	0.0	0.0	21.0	79.0	0.0	21.0	1016	Open
AUTO-LOG	04/05/2017 12:41	0.0	0.0	21.0	79.0	0.0	21.0	1017	Open
AUTO-LOG	04/05/2017 13:41	0.0	0.0	20.9	79.1	0.0	20.9	1017	Open
AUTO-LOG	04/05/2017 14:41	0.0	0.0	20.9	79.1	0.0	20.9	1017	Open
AUTO-LOG	04/05/2017 15:41	0.0	0.0	20.9	79.1	0.0	20.9	1017	Open
AUTO-LOG	04/05/2017 16:41	0.0	0.0	21.0	79.0	0.0	21.0	1017	Open
AUTO-LOG	04/05/2017 17:41	0.0	0.0	21.0	79.0	0.0	21.0	1017	Open
AUTO-LOG	04/05/2017 18:41	0.0	0.0	21.1	78.9	0.0	21.1	1018	Open
AUTO-LOG	04/05/2017 19:41	0.0	0.0	21.1	78.9	0.0	21.1	1018	Open
AUTO-LOG	04/05/2017 20:41	0.0	0.1	21.1	78.8	0.0	21.1	1018	Open
AUTO-LOG	04/05/2017 21:41	0.0	0.1	21.2	78.7	0.0	21.2	1018	Open
AUTO-LOG	04/05/2017 22:41	0.0	0.1	21.2	78.7	0.0	21.2	1018	Open
AUTO-LOG	04/05/2017 23:41	0.0	0.1	21.3	78.6	0.0	21.2	1018	Open
AUTO-LOG	05/05/2017 00:41	0.0	0.1	21.3	78.6	0.0	21.3	1017	Open
AUTO-LOG	05/05/2017 01:41	0.0	0.1	21.3	78.6	0.0	21.3	1017	Open
AUTO-LOG	05/05/2017 02:41	0.0	0.1	21.3	78.6	0.0	21.3	1017	Open
AUTO-LOG	05/05/2017 03:41	0.0	0.1	21.3	78.6	0.0	21.3	1017	Open
AUTO-LOG	05/05/2017 04:41	0.0	0.1	21.3	78.6	0.0	21.3	1017	Open
AUTO-LOG	05/05/2017 05:41	0.0	0.1	21.2	78.7	0.0	21.2	1017	Open
AUTO-LOG	05/05/2017 06:41	0.0	0.1	21.2	78.7	0.0	21.2	1018	Open
AUTO-LOG	05/05/2017 07:41	0.0	0.1	21.1	78.8	0.0	21.1	1017	Open
AUTO-LOG	05/05/2017 08:41	0.0	0.1	21.1	78.8	0.0	21.1	1017	Open
AUTO-LOG	05/05/2017 09:41	0.0	0.1	21.1	78.8	0.0	21.1	1017	Open
AUTO-LOG	05/05/2017 10:41	0.0	0.1	21.0	78.9	0.0	21.0	1016	Open

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	05/05/2017 11:41	0.0	0.0	21.0	79.0	0.0	21.0	1016	Open
AUTO-LOG	05/05/2017 12:41	0.0	0.0	20.9	79.1	0.0	20.9	1015	Open
AUTO-LOG	05/05/2017 13:41	0.0	0.0	20.9	79.1	0.0	20.9	1015	Open
AUTO-LOG	05/05/2017 14:41	0.0	0.0	21.0	79.0	0.0	20.9	1014	Open
AUTO-LOG	05/05/2017 15:41	0.0	0.0	21.1	78.9	0.0	21.1	1014	Open
AUTO-LOG	05/05/2017 16:41	0.0	0.0	21.2	78.8	0.0	21.2	1013	Open
AUTO-LOG	05/05/2017 17:41	0.0	0.0	21.2	78.8	0.0	21.2	1013	Open
AUTO-LOG	05/05/2017 18:41	0.0	0.1	21.2	78.7	0.0	21.2	1012	Open
AUTO-LOG	05/05/2017 19:41	0.0	0.1	21.3	78.6	0.0	21.3	1011	Open
AUTO-LOG	05/05/2017 20:41	0.0	0.1	21.3	78.6	0.0	21.3	1011	Open
AUTO-LOG	05/05/2017 21:41	0.0	0.1	21.3	78.6	0.0	21.3	1010	Open
AUTO-LOG	05/05/2017 22:41	0.0	0.1	21.3	78.6	0.0	21.3	1010	Open
AUTO-LOG	05/05/2017 23:41	0.0	0.1	21.3	78.6	0.0	21.3	1009	Open
AUTO-LOG	06/05/2017 00:41	0.0	0.1	21.3	78.6	0.0	21.3	1009	Open
AUTO-LOG	06/05/2017 01:41	0.0	0.1	21.3	78.6	0.0	21.3	1008	Open
AUTO-LOG	06/05/2017 02:41	0.0	0.1	21.3	78.6	0.0	21.3	1007	Open
AUTO-LOG	06/05/2017 03:41	0.0	0.1	21.2	78.7	0.0	21.2	1007	Open
AUTO-LOG	06/05/2017 04:41	0.0	0.1	21.2	78.7	0.0	21.2	1006	Open
AUTO-LOG	06/05/2017 05:41	0.0	0.1	21.2	78.7	0.0	21.2	1005	Open
AUTO-LOG	06/05/2017 06:41	0.0	0.1	21.1	78.8	0.0	21.1	1006	Open
AUTO-LOG	06/05/2017 07:41	0.0	0.1	20.9	79.0	0.0	20.9	1006	Open
AUTO-LOG	06/05/2017 08:41	0.0	0.0	20.8	79.2	0.0	20.8	1006	Open
AUTO-LOG	06/05/2017 09:41	0.0	0.0	20.9	79.1	0.0	20.9	1006	Open
AUTO-LOG	06/05/2017 10:41	0.0	0.0	20.9	79.1	0.0	20.9	1006	Open
AUTO-LOG	06/05/2017 11:41	0.0	0.0	20.9	79.1	0.0	20.9	1006	Open
AUTO-LOG	06/05/2017 12:41	0.0	0.0	20.9	79.1	0.0	20.9	1006	Open
AUTO-LOG	06/05/2017 13:41	0.0	0.0	20.9	79.1	0.0	20.9	1007	Open
AUTO-LOG	06/05/2017 14:41	0.0	0.0	20.8	79.2	0.0	20.8	1008	Open
AUTO-LOG	06/05/2017 15:41	0.0	0.0	20.8	79.2	0.0	20.8	1008	Open
AUTO-LOG	06/05/2017 16:41	0.0	0.0	20.9	79.1	0.0	20.8	1009	Open
AUTO-LOG	06/05/2017 17:41	0.0	0.0	21.0	79.0	0.0	20.9	1009	Open
AUTO-LOG	06/05/2017 18:41	0.0	0.0	21.0	79.0	0.0	21.0	1010	Open
AUTO-LOG	06/05/2017 19:42	0.0	0.0	21.1	78.9	0.0	21.1	1010	Open
AUTO-LOG	06/05/2017 20:42	0.0	0.0	21.2	78.8	0.0	21.1	1011	Open
AUTO-LOG	06/05/2017 21:42	0.0	0.1	21.2	78.7	0.0	21.2	1011	Open
AUTO-LOG	06/05/2017 22:42	0.0	0.1	21.2	78.7	0.0	21.2	1012	Open
AUTO-LOG	06/05/2017 23:42	0.0	0.1	21.3	78.6	0.0	21.2	1012	Open
AUTO-LOG	07/05/2017 00:42	0.0	0.1	21.2	78.7	0.0	21.2	1012	Open
AUTO-LOG	07/05/2017 01:42	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	07/05/2017 02:42	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	07/05/2017 03:42	0.0	0.1	21.2	78.7	0.0	21.2	1013	Open
AUTO-LOG	07/05/2017 04:42	0.0	0.1	21.2	78.7	0.0	21.2	1014	Open
AUTO-LOG	07/05/2017 05:42	0.0	0.1	21.2	78.7	0.0	21.2	1014	Open
AUTO-LOG	07/05/2017 06:42	0.0	0.1	21.2	78.7	0.0	21.2	1015	Open
AUTO-LOG	07/05/2017 07:42	0.0	0.1	21.1	78.8	0.0	21.2	1016	Open
AUTO-LOG	07/05/2017 08:42	0.0	0.0	21.1	78.9	0.0	21.1	1016	Open
AUTO-LOG	07/05/2017 09:42	0.0	0.0	21.0	79.0	0.0	21.0	1017	Open
AUTO-LOG	07/05/2017 10:42	0.0	0.0	21.1	78.9	0.0	21.1	1017	Open
AUTO-LOG	07/05/2017 11:42	0.0	0.0	21.0	79.0	0.0	21.0	1018	Open
AUTO-LOG	07/05/2017 12:42	0.0	0.0	21.0	79.0	0.0	21.0	1018	Open
AUTO-LOG	07/05/2017 13:42	0.0	0.0	20.9	79.1	0.0	20.9	1018	Open
AUTO-LOG	07/05/2017 14:42	0.0	0.0	20.9	79.1	0.0	20.9	1018	Open
AUTO-LOG	07/05/2017 15:42	0.0	0.0	21.0	79.0	0.0	21.0	1018	Open
AUTO-LOG	07/05/2017 16:42	0.0	0.0	21.2	78.8	0.0	21.1	1018	Open
AUTO-LOG	07/05/2017 17:42	0.0	0.0	21.2	78.8	0.0	21.2	1018	Open
AUTO-LOG	07/05/2017 18:42	0.0	0.0	21.2	78.8	0.0	21.2	1018	Open
AUTO-LOG	07/05/2017 19:42	0.0	0.0	21.3	78.7	0.0	21.3	1018	Open
AUTO-LOG	07/05/2017 20:42	0.0	0.1	21.3	78.6	0.0	21.3	1019	Open
AUTO-LOG	07/05/2017 21:42	0.0	0.1	21.3	78.6	0.0	21.3	1019	Open
AUTO-LOG	07/05/2017 22:42	0.0	0.1	21.4	78.5	0.0	21.4	1019	Open
AUTO-LOG	07/05/2017 23:42	0.0	0.1	21.4	78.5	0.0	21.4	1019	Open
AUTO-LOG	08/05/2017 00:42	0.0	0.1	21.4	78.5	0.0	21.4	1019	Open
AUTO-LOG	08/05/2017 01:42	0.0	0.1	21.4	78.5	0.0	21.4	1019	Open
AUTO-LOG	08/05/2017 02:42	0.0	0.1	21.3	78.6	0.0	21.3	1019	Open
AUTO-LOG	08/05/2017 03:42	0.0	0.1	21.3	78.6	0.0	21.3	1019	Open
AUTO-LOG	08/05/2017 04:42	0.0	0.1	21.4	78.5	0.0	21.4	1020	Open
AUTO-LOG	08/05/2017 05:42	0.0	0.1	21.4	78.5	0.0	21.4	1021	Open
AUTO-LOG	08/05/2017 06:42	0.0	0.1	21.3	78.6	0.0	21.3	1021	Open
AUTO-LOG	08/05/2017 07:42	0.0	0.1	21.3	78.6	0.0	21.3	1021	Open
AUTO-LOG	08/05/2017 08:42	0.0	0.1	21.1	78.8	0.0	21.1	1022	Open
Instrument downloaded and air bricks sealed									
AUTO-LOG	08/05/2017 09:48	0.0	0.0	20.4	79.6	0.0	20.3	1023	Closed
AUTO-LOG	08/05/2017 10:48	0.0	0.0	21.2	78.8	0.0	21.1	1023	Closed
AUTO-LOG	08/05/2017 11:48	0.0	0.0	21.1	78.9	0.0	21.1	1023	Closed
AUTO-LOG	08/05/2017 12:48	0.0	0.0	21.1	78.9	0.0	21.1	1023	Closed
AUTO-LOG	08/05/2017 13:48	0.0	0.0	21.1	78.9	0.0	21.1	1022	Closed

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	08/05/2017 14:48	0.0	0.0	21.1	78.9	0.0	21.1	1022	Closed
AUTO-LOG	08/05/2017 15:48	0.0	0.0	21.1	78.9	0.0	21.1	1022	Closed
AUTO-LOG	08/05/2017 16:48	0.0	0.0	21.1	78.9	0.0	21.1	1022	Closed
AUTO-LOG	08/05/2017 17:48	0.0	0.0	21.1	78.9	0.0	21.1	1022	Closed
AUTO-LOG	08/05/2017 18:48	0.0	0.0	21.2	78.8	0.0	21.2	1022	Closed
AUTO-LOG	08/05/2017 19:48	0.0	0.1	21.2	78.7	0.0	21.2	1022	Closed
AUTO-LOG	08/05/2017 20:48	0.0	0.1	21.3	78.6	0.0	21.3	1023	Closed
AUTO-LOG	08/05/2017 21:48	0.0	0.1	21.3	78.6	0.0	21.3	1023	Closed
AUTO-LOG	08/05/2017 22:48	0.0	0.1	21.4	78.5	0.0	21.4	1023	Closed
AUTO-LOG	08/05/2017 23:48	0.0	0.1	21.4	78.5	0.0	21.4	1022	Closed
AUTO-LOG	09/05/2017 00:48	0.0	0.1	21.4	78.5	0.0	21.4	1022	Closed
AUTO-LOG	09/05/2017 01:48	0.0	0.1	21.4	78.5	0.0	21.4	1022	Closed
AUTO-LOG	09/05/2017 02:49	0.0	0.1	21.4	78.5	0.0	21.4	1021	Closed
AUTO-LOG	09/05/2017 03:49	0.0	0.1	21.4	78.5	0.0	21.4	1021	Closed
AUTO-LOG	09/05/2017 04:49	0.0	0.1	21.4	78.5	0.0	21.4	1020	Closed
AUTO-LOG	09/05/2017 05:49	0.0	0.1	21.4	78.5	0.0	21.4	1020	Closed
AUTO-LOG	09/05/2017 06:49	0.0	0.1	21.3	78.6	0.0	21.3	1020	Closed
AUTO-LOG	09/05/2017 07:49	0.0	0.1	21.2	78.7	0.0	21.2	1020	Closed
AUTO-LOG	09/05/2017 08:49	0.0	0.1	21.1	78.8	0.0	21.1	1019	Closed
AUTO-LOG	09/05/2017 09:49	0.0	0.1	21.1	78.8	0.0	21.1	1019	Closed
AUTO-LOG	09/05/2017 10:49	0.0	0.1	21.0	78.9	0.0	21.0	1019	Closed
AUTO-LOG	09/05/2017 11:49	0.0	0.0	21.0	79.0	0.0	21.0	1018	Closed
AUTO-LOG	09/05/2017 12:49	0.0	0.0	21.0	79.0	0.0	21.0	1017	Closed
AUTO-LOG	09/05/2017 13:49	0.0	0.0	21.0	79.0	0.0	21.0	1016	Closed
AUTO-LOG	09/05/2017 14:49	0.0	0.0	21.0	79.0	0.0	21.0	1015	Closed
AUTO-LOG	09/05/2017 15:49	0.0	0.0	21.0	79.0	0.0	21.0	1015	Closed
AUTO-LOG	09/05/2017 16:49	0.0	0.0	21.0	79.0	0.0	21.0	1014	Closed
AUTO-LOG	09/05/2017 17:49	0.0	0.0	21.1	78.9	0.0	21.1	1013	Closed
AUTO-LOG	09/05/2017 18:49	0.0	0.0	21.1	78.9	0.0	21.1	1013	Closed
AUTO-LOG	09/05/2017 19:49	0.0	0.1	21.2	78.7	0.0	21.2	1012	Closed
AUTO-LOG	09/05/2017 20:49	0.0	0.1	21.2	78.7	0.0	21.2	1012	Closed
AUTO-LOG	09/05/2017 21:49	0.0	0.1	21.3	78.6	0.0	21.3	1011	Closed
AUTO-LOG	09/05/2017 22:49	0.0	0.1	21.3	78.6	0.0	21.3	1011	Closed
AUTO-LOG	09/05/2017 23:49	0.0	0.1	21.3	78.6	0.0	21.3	1010	Closed
AUTO-LOG	10/05/2017 00:49	0.0	0.1	21.4	78.5	0.0	21.4	1010	Closed
AUTO-LOG	10/05/2017 01:49	0.0	0.1	21.4	78.5	0.0	21.4	1009	Closed
AUTO-LOG	10/05/2017 02:49	0.0	0.1	21.4	78.5	0.0	21.4	1008	Closed
AUTO-LOG	10/05/2017 03:49	0.0	0.1	21.4	78.5	0.0	21.4	1008	Closed
AUTO-LOG	10/05/2017 04:49	0.0	0.1	21.4	78.5	0.0	21.4	1007	Closed
AUTO-LOG	10/05/2017 05:49	0.0	0.1	21.4	78.5	0.0	21.4	1007	Closed
AUTO-LOG	10/05/2017 06:49	0.0	0.1	21.2	78.7	0.0	21.2	1006	Closed
AUTO-LOG	10/05/2017 07:49	0.0	0.1	21.1	78.8	0.0	21.1	1006	Closed
AUTO-LOG	10/05/2017 08:49	0.0	0.1	21.0	78.9	0.0	21.0	1005	Closed
AUTO-LOG	10/05/2017 09:49	0.0	0.1	21.0	78.9	0.0	21.0	1005	Closed
AUTO-LOG	10/05/2017 10:49	0.0	0.0	21.0	79.0	0.0	21.0	1004	Closed
AUTO-LOG	10/05/2017 11:49	0.0	0.0	21.0	79.0	0.0	20.9	1004	Closed
AUTO-LOG	10/05/2017 12:49	0.0	0.0	20.9	79.1	0.0	20.9	1003	Closed
AUTO-LOG	10/05/2017 13:49	0.0	0.0	20.9	79.1	0.0	20.9	1002	Closed
AUTO-LOG	10/05/2017 14:49	0.0	0.0	20.9	79.1	0.0	20.9	1001	Closed
AUTO-LOG	10/05/2017 15:49	0.0	0.0	20.9	79.1	0.0	20.9	1001	Closed
AUTO-LOG	10/05/2017 16:49	0.0	0.0	20.9	79.1	0.0	20.9	1000	Closed
AUTO-LOG	10/05/2017 17:48	0.0	0.0	20.9	78.1	0.0	20.9	999	Closed
AUTO-LOG	10/05/2017 18:48	0.0	0.0	20.9	79.1	0.0	20.9	999	Closed
AUTO-LOG	10/05/2017 19:48	0.0	0.0	21.0	79.0	0.0	21.0	998	Closed
AUTO-LOG	10/05/2017 20:48	0.0	0.0	21.1	78.9	0.0	21.1	998	Closed
AUTO-LOG	10/05/2017 21:48	0.0	0.1	21.1	78.8	0.0	21.1	997	Closed
AUTO-LOG	10/05/2017 22:48	0.0	0.1	21.2	78.7	0.0	21.2	997	Closed
AUTO-LOG	10/05/2017 23:48	0.0	0.1	21.2	78.7	0.0	21.2	996	Closed
AUTO-LOG	11/05/2017 00:48	0.0	0.1	21.2	78.7	0.0	21.2	995	Closed
AUTO-LOG	11/05/2017 01:48	0.0	0.1	21.3	78.6	0.0	21.2	994	Closed
AUTO-LOG	11/05/2017 02:49	0.0	0.1	21.3	78.6	0.0	21.3	993	Closed
AUTO-LOG	11/05/2017 03:49	0.0	0.1	21.2	78.7	0.0	21.2	993	Closed
AUTO-LOG	11/05/2017 04:49	0.0	0.1	21.2	78.7	0.0	21.2	992	Closed
AUTO-LOG	11/05/2017 05:49	0.0	0.1	21.3	78.6	0.0	21.3	992	Closed
AUTO-LOG	11/05/2017 06:49	0.0	0.1	21.1	78.8	0.0	21.1	992	Closed
AUTO-LOG	11/05/2017 07:49	0.0	0.1	21.0	78.9	0.0	20.9	992	Closed
AUTO-LOG	11/05/2017 08:49	0.0	0.0	20.8	79.2	0.0	20.8	992	Closed
AUTO-LOG	11/05/2017 09:49	0.0	0.0	20.8	79.2	0.0	20.8	992	Closed
AUTO-LOG	11/05/2017 10:49	0.0	0.0	20.8	79.2	0.0	20.8	992	Closed
AUTO-LOG	11/05/2017 11:49	0.0	0.0	20.8	79.2	0.0	20.8	992	Closed
AUTO-LOG	11/05/2017 12:49	0.0	0.0	20.3	79.2	0.0	20.3	992	Closed
Battery failure - instrument replaced during next site visit									
AUTO-LOG	24/05/2017 10:02	0.0	0.0	19.8	80.2	0.0	19.7	1024	Closed
AUTO-LOG	24/05/2017 11:02	0.1	0.0	20.0	79.9	2.0	19.9	1024	Closed
AUTO-LOG	24/05/2017 12:02	0.1	0.0	20.2	79.7	2.0	20.1	1024	Closed
AUTO-LOG	24/05/2017 13:02	0.1	0.0	20.3	79.6	2.0	20.1	1024	Closed

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ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	27/05/2017 18:03	0.0	0.0	20.5	79.5	0.0	20.5	1013	Closed
AUTO-LOG	27/05/2017 19:03	0.0	0.0	20.5	79.5	0.0	20.5	1014	Closed
AUTO-LOG	27/05/2017 20:03	0.0	0.0	20.5	79.5	0.0	20.6	1014	Closed
AUTO-LOG	27/05/2017 21:03	0.0	0.0	20.6	79.4	0.0	20.6	1014	Closed
AUTO-LOG	27/05/2017 22:03	0.0	0.0	20.6	79.4	0.0	20.6	1014	Closed
AUTO-LOG	27/05/2017 23:03	0.0	0.0	20.7	79.3	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 00:03	0.0	0.0	20.7	79.3	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 01:03	0.0	0.0	20.6	79.4	0.0	20.6	1015	Closed
AUTO-LOG	28/05/2017 02:03	0.0	0.0	20.6	79.4	0.0	20.6	1015	Closed
AUTO-LOG	28/05/2017 03:03	0.0	0.0	20.7	79.3	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 04:03	0.0	0.0	20.7	79.3	0.0	20.7	1014	Closed
AUTO-LOG	28/05/2017 05:03	0.0	0.0	20.7	79.3	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 06:03	0.0	0.0	20.8	79.2	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 07:03	0.0	0.0	20.7	79.3	0.0	20.7	1015	Closed
AUTO-LOG	28/05/2017 08:03	0.0	0.0	20.6	79.4	0.0	20.6	1015	Closed
AUTO-LOG	28/05/2017 09:03	0.0	0.0	20.4	79.6	0.0	20.4	1016	Closed
AUTO-LOG	28/05/2017 10:03	0.0	0.0	20.3	79.7	0.0	20.3	1015	Closed
AUTO-LOG	28/05/2017 11:03	0.0	0.0	20.2	79.8	0.0	20.2	1015	Closed
AUTO-LOG	28/05/2017 12:03	0.0	0.0	20.3	79.7	0.0	20.3	1016	Closed
AUTO-LOG	28/05/2017 13:03	0.0	0.0	20.3	79.7	0.0	20.3	1016	Closed
AUTO-LOG	28/05/2017 14:03	0.0	0.0	20.4	79.6	0.0	20.4	1015	Closed
AUTO-LOG	28/05/2017 15:03	0.0	0.0	20.4	79.6	0.0	20.4	1015	Closed
AUTO-LOG	28/05/2017 16:03	0.0	0.0	20.4	79.6	0.0	20.4	1014	Closed
AUTO-LOG	28/05/2017 17:03	0.0	0.0	20.3	79.7	0.0	20.3	1013	Closed
AUTO-LOG	28/05/2017 18:03	0.0	0.0	20.3	79.7	0.0	20.3	1012	Closed
AUTO-LOG	28/05/2017 19:03	0.0	0.0	20.3	79.7	0.0	20.3	1012	Closed
AUTO-LOG	28/05/2017 20:03	0.0	0.0	20.3	79.7	0.0	20.3	1012	Closed
AUTO-LOG	28/05/2017 21:03	0.0	0.0	20.3	79.7	0.0	20.3	1012	Closed
AUTO-LOG	28/05/2017 22:03	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	28/05/2017 23:03	0.0	0.0	20.4	79.6	0.0	20.4	1011	Closed
AUTO-LOG	29/05/2017 00:03	0.0	0.0	20.4	79.6	0.0	20.4	1011	Closed
AUTO-LOG	29/05/2017 01:03	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	29/05/2017 02:03	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	29/05/2017 03:03	0.0	0.0	20.6	79.4	0.0	20.6	1009	Closed
AUTO-LOG	29/05/2017 04:03	0.0	0.0	20.6	79.4	0.0	20.6	1008	Closed
AUTO-LOG	29/05/2017 05:03	0.0	0.0	20.7	79.3	0.0	20.6	1008	Closed
AUTO-LOG	29/05/2017 06:03	0.0	0.0	20.6	79.4	0.0	20.6	1008	Closed
AUTO-LOG	29/05/2017 07:04	0.0	0.0	20.6	79.4	0.0	20.6	1008	Closed
AUTO-LOG	29/05/2017 08:04	0.0	0.0	20.4	79.6	0.0	20.4	1008	Closed
AUTO-LOG	29/05/2017 09:04	0.0	0.0	20.3	79.7	0.0	20.3	1009	Closed
AUTO-LOG	29/05/2017 10:04	0.0	0.0	20.4	79.6	0.0	20.4	1009	Closed
AUTO-LOG	29/05/2017 11:04	0.0	0.0	20.3	79.7	0.0	20.3	1009	Closed
AUTO-LOG	29/05/2017 12:04	0.0	0.0	20.3	79.7	0.0	20.3	1010	Closed
AUTO-LOG	29/05/2017 13:04	0.0	0.0	20.4	79.6	0.0	20.4	1009	Closed
AUTO-LOG	29/05/2017 14:04	0.0	0.0	20.4	79.6	0.0	20.4	1009	Closed
AUTO-LOG	29/05/2017 15:04	0.0	0.0	20.4	79.6	0.0	20.4	1009	Closed
AUTO-LOG	29/05/2017 16:04	0.0	0.0	20.4	79.6	0.0	20.4	1009	Closed
AUTO-LOG	29/05/2017 17:04	0.0	0.0	20.5	79.5	0.0	20.5	1009	Closed
AUTO-LOG	29/05/2017 18:04	0.0	0.0	20.5	79.5	0.0	20.5	1009	Closed
AUTO-LOG	29/05/2017 19:04	0.0	0.0	20.5	79.5	0.0	20.5	1009	Closed
AUTO-LOG	29/05/2017 20:04	0.0	0.0	20.5	79.5	0.0	20.5	1009	Closed
AUTO-LOG	29/05/2017 21:04	0.0	0.0	20.5	79.5	0.0	20.5	1009	Closed
AUTO-LOG	29/05/2017 22:04	0.0	0.0	20.5	79.5	0.0	20.5	1010	Closed
AUTO-LOG	29/05/2017 23:04	0.0	0.0	20.5	79.5	0.0	20.5	1010	Closed
AUTO-LOG	30/05/2017 00:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 01:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 02:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 03:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 04:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 05:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 06:04	0.0	0.0	20.6	79.4	0.0	20.6	1010	Closed
AUTO-LOG	30/05/2017 07:04	0.0	0.0	20.5	79.5	0.0	20.5	1011	Closed
AUTO-LOG	30/05/2017 08:04	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	30/05/2017 09:04	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	30/05/2017 10:04	0.0	0.0	20.5	79.5	0.0	20.5	1013	Closed
AUTO-LOG	30/05/2017 11:04	0.0	0.0	20.5	79.5	0.0	20.5	1013	Closed
AUTO-LOG	30/05/2017 12:04	0.0	0.0	20.4	79.6	0.0	20.4	1013	Closed
Instrument downloaded and charged over night									
AUTO-LOG	31/05/2017 10:42	0.0	0.0	20.2	79.8	0.0	20.2	1021	Closed
AUTO-LOG	31/05/2017 11:42	0.0	0.0	20.4	79.6	0.0	20.3	1021	Closed
AUTO-LOG	31/05/2017 12:42	0.0	0.0	20.4	79.6	0.0	20.4	1021	Closed
AUTO-LOG	31/05/2017 13:42	0.0	0.0	20.4	79.6	0.0	20.4	1021	Closed
AUTO-LOG	31/05/2017 14:42	0.0	0.0	20.4	79.6	0.0	20.4	1020	Closed
AUTO-LOG	31/05/2017 15:42	0.0	0.0	20.4	79.6	0.0	20.4	1020	Closed
AUTO-LOG	31/05/2017 16:42	0.0	0.0	20.4	79.6	0.0	20.4	1020	Closed
AUTO-LOG	31/05/2017 17:42	0.0	0.0	20.4	79.6	0.0	20.4	1020	Closed

ID	DATE	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	BALANCE % v/v	CH ₄ % LEL	MIN O ₂ % v/v	BAROMETRIC PRESSURE (mb)	VOID OPEN OR CLOSED
AUTO-LOG	31/05/2017 18:42	0.0	0.0	20.5	79.5	0.0	20.4	1019	Closed
AUTO-LOG	31/05/2017 19:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	31/05/2017 20:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	31/05/2017 21:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	31/05/2017 22:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	31/05/2017 23:42	0.0	0.0	20.6	79.4	0.0	20.5	1019	Closed
AUTO-LOG	01/06/2017 00:42	0.0	0.0	20.6	79.4	0.0	20.6	1019	Closed
AUTO-LOG	01/06/2017 01:42	0.0	0.1	20.6	79.3	0.0	20.6	1019	Closed
AUTO-LOG	01/06/2017 02:42	0.0	0.1	20.6	79.3	0.0	20.6	1018	Closed
AUTO-LOG	01/06/2017 03:42	0.0	0.1	20.6	79.3	0.0	20.6	1018	Closed
AUTO-LOG	01/06/2017 04:42	0.0	0.1	20.6	79.3	0.0	20.6	1018	Closed
AUTO-LOG	01/06/2017 05:42	0.0	0.1	20.6	79.3	0.0	20.6	1019	Closed
AUTO-LOG	01/06/2017 06:42	0.0	0.0	20.6	79.4	0.0	20.6	1019	Closed
AUTO-LOG	01/06/2017 07:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	01/06/2017 08:42	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	01/06/2017 09:42	0.0	0.0	20.4	79.6	0.0	20.4	1019	Closed
AUTO-LOG	01/06/2017 10:32	0.0	0.0	20.3	79.7	0.0	20.3	1019	Closed
AUTO-LOG	01/06/2017 11:32	0.0	0.0	20.6	79.4	0.0	20.5	1019	Closed
AUTO-LOG	01/06/2017 12:32	0.0	0.0	20.5	79.5	0.0	20.5	1019	Closed
AUTO-LOG	01/06/2017 13:32	0.0	0.0	20.5	79.5	0.0	20.4	1019	Closed
AUTO-LOG	01/06/2017 14:32	0.0	0.0	20.5	79.5	0.0	20.4	1018	Closed
AUTO-LOG	01/06/2017 15:32	0.0	0.0	20.5	79.5	0.0	20.4	1018	Closed
AUTO-LOG	01/06/2017 16:32	0.0	0.0	20.5	79.5	0.0	20.4	1017	Closed
AUTO-LOG	01/06/2017 17:32	0.0	0.0	20.5	79.5	0.0	20.4	1017	Closed
AUTO-LOG	01/06/2017 18:32	0.0	0.0	20.5	79.5	0.0	20.4	1017	Closed
AUTO-LOG	01/06/2017 19:32	0.0	0.0	20.5	79.5	0.0	20.4	1016	Closed
AUTO-LOG	01/06/2017 20:32	0.0	0.0	20.5	79.5	0.0	20.5	1016	Closed
AUTO-LOG	01/06/2017 21:32	0.0	0.0	20.5	79.5	0.0	20.5	1016	Closed
AUTO-LOG	01/06/2017 22:32	0.0	0.0	20.6	79.4	0.0	20.6	1016	Closed
AUTO-LOG	01/06/2017 23:32	0.0	0.0	20.6	79.4	0.0	20.6	1015	Closed
AUTO-LOG	02/06/2017 00:32	0.0	0.0	20.6	79.4	0.0	20.6	1015	Closed
AUTO-LOG	02/06/2017 01:32	0.0	0.0	20.6	79.4	0.0	20.6	1014	Closed
AUTO-LOG	02/06/2017 02:32	0.0	0.0	20.6	79.4	0.0	20.6	1014	Closed
AUTO-LOG	02/06/2017 03:32	0.0	0.1	20.7	79.2	0.0	20.7	1013	Closed
AUTO-LOG	02/06/2017 04:32	0.0	0.1	20.7	79.2	0.0	20.7	1013	Closed
AUTO-LOG	02/06/2017 05:32	0.0	0.1	20.7	79.2	0.0	20.7	1013	Closed
AUTO-LOG	02/06/2017 06:32	0.0	0.0	20.6	79.4	0.0	20.6	1012	Closed
AUTO-LOG	02/06/2017 07:32	0.0	0.0	20.5	79.5	0.0	20.5	1013	Closed
AUTO-LOG	02/06/2017 08:32	0.0	0.0	20.5	79.5	0.0	20.4	1013	Closed
AUTO-LOG	02/06/2017 09:32	0.0	0.0	20.4	79.6	0.0	20.4	1013	Closed
AUTO-LOG	02/06/2017 10:32	0.0	0.0	20.4	79.6	0.0	20.4	1014	Closed
AUTO-LOG	02/06/2017 11:32	0.0	0.0	20.3	79.7	0.0	20.3	1014	Closed
AUTO-LOG	02/06/2017 12:32	0.0	0.0	20.3	79.7	0.0	20.3	1013	Closed
AUTO-LOG	02/06/2017 13:32	0.0	0.0	20.4	79.6	0.0	20.3	1013	Closed
AUTO-LOG	02/06/2017 14:32	0.0	0.0	20.4	79.6	0.0	20.4	1013	Closed
AUTO-LOG	02/06/2017 15:32	0.0	0.0	20.4	79.6	0.0	20.4	1013	Closed
AUTO-LOG	02/06/2017 16:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	02/06/2017 17:32	0.0	0.0	20.3	79.7	0.0	20.3	1012	Closed
AUTO-LOG	02/06/2017 18:32	0.0	0.0	20.4	79.6	0.0	20.3	1012	Closed
AUTO-LOG	02/06/2017 19:32	0.0	0.0	20.4	79.6	0.0	20.3	1012	Closed
AUTO-LOG	02/06/2017 20:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	02/06/2017 21:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	02/06/2017 22:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	02/06/2017 23:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	03/06/2017 00:32	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 01:32	0.0	0.0	20.5	79.5	0.0	20.5	1011	Closed
AUTO-LOG	03/06/2017 02:32	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	03/06/2017 03:32	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	03/06/2017 04:32	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	03/06/2017 05:32	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	03/06/2017 06:32	0.0	0.0	20.6	79.4	0.0	20.6	1011	Closed
AUTO-LOG	03/06/2017 07:32	0.0	0.0	20.6	79.4	0.0	20.6	1012	Closed
AUTO-LOG	03/06/2017 08:32	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 09:32	0.0	0.0	20.4	79.6	0.0	20.3	1013	Closed
AUTO-LOG	03/06/2017 10:32	0.0	0.0	20.3	79.7	0.0	20.3	1013	Closed
AUTO-LOG	03/06/2017 11:32	0.0	0.0	20.3	79.7	0.0	20.2	1013	Closed
AUTO-LOG	03/06/2017 12:32	0.0	0.0	20.3	79.7	0.0	20.3	1013	Closed
AUTO-LOG	03/06/2017 13:32	0.0	0.0	20.4	79.6	0.0	20.3	1013	Closed
AUTO-LOG	03/06/2017 14:32	0.0	0.0	20.4	79.6	0.0	20.4	1012	Closed
AUTO-LOG	03/06/2017 15:32	0.0	0.0	20.5	79.5	0.0	20.4	1012	Closed
AUTO-LOG	03/06/2017 16:32	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 17:32	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 18:33	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 19:33	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 20:33	0.0	0.0	20.5	79.5	0.0	20.5	1012	Closed
AUTO-LOG	03/06/2017 21:33	0.0	0.0	20.6	79.4	0.0	20.6	1013	Closed