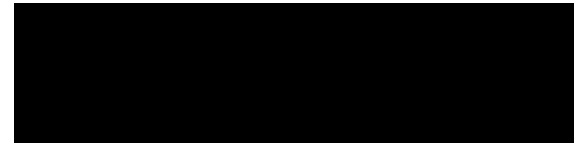




Mr James Langmead
Basing Partners Ltd,
Basing Park,
Privett,
Hampshire,
GU34 3NS

Units 15 & 16 • Ford Lane Business Park •
Ford • Arundel • West Sussex • BN18 0UZ



Date: 03/02/2020

Our Ref: 19.1295

Dear Mr Langmead,

RE: Site Investigation – Land adjacent to Sefter School House

We are writing to you following our recent site investigation at the land adjacent to Sefter School House, Pagham, PO21 3EE. At the time of investigation the subject area comprised an unoccupied, irregularly shaped area of land adjacent to Sefter School House. A small stream ran along the south eastern boundary of site, along with a number of mature and semi mature deciduous trees. The surrounding area largely comprises agricultural fields with Sefter School House on the western boundary of site. Fly tipping is suspected to have taken place in the central and northern sections of site, with the contamination investigation being focused in this area. A site investigation plan can be found below with photographs of the site investigation found in **Appendix A**.

Scope of Ground Investigation

The aim of the site investigation was to ascertain the underlying ground conditions. Details of the final ground investigation is listed below:

- Seven boreholes extended to a maximum depth of 3mbgl using lightweight window sampling techniques for the purpose of contamination testing.

Site Observations

A significant volume of anthropogenic materials were observed all across the surface of the site, including concrete, red brick, metal and plastic objects, pipework, glass and a number of fragments of suspected asbestos roof tiles. The suspected Asbestos Containing Material (ACM) was observed all across the southern section of the site, more frequently in the south western corner of the site.

No visual or olfactory evidence of gross contamination was observed within the soils encountered on site.

The typical soil sequence encountered during the investigation was as follows:

Average Depth (m below ground level)	Description
0 – 0.45	Brown sandy gravelly Clay with concrete, red brick, tile fragments (Made Ground) – Metal, glass, ACM observed across the site surface
0.45 – 0.65	Firm brown sandy gravelly CLAY
0.65 – 1.7	Orange brown clayey SAND
1.7 – 3.0	Firm to stiff brown/blue grey CLAY

Reference should be made to the engineer's logs for full descriptions of each exploratory location, provided within

Appendix B.

Twelve (12no) samples were submitted to a UKAS and MCERTS accredited laboratory testing facility, for a screen of contamination testing. The results of this laboratory testing have been compared to published guidance criteria, widely referred to by consultants and regulatory authorities within the industry and include the following;

- Published Land Quality Management (LQM) Suitable for Use Levels (S4UL) (LQM, 2015);
- As there is no UK GAC for Cyanide, the Dutch Intervention Value (DIV) will be adopted;
- As there is no UK GAC for Lead, the Category 4 Screening Level (C4SL) will be adopted (CL:AIRE, 2014);
- In the case of Asbestos and MTBE, the Detection Limits have been adopted as the GAC.

Due to the nature of the site, comparisons were made against the most stringent **'residential with home grown produce'** land use setting.

Results of the laboratory analysis are presented in the table below with the full results available in **Appendix C**.

Determinand	GAC	Source	Min	Max	Exceedances
Asbestos	DL	CE	Absent	Present	WS2 @ 0.3m WS4 @ 0.4m WS4 @ 1.2m WS5 @ 0.5m WS6 @ 0.2m WS7 @ 0.5m
Asbestos Quantification	0.1%	CE	BDL	0.003	-
Total Cyanide	50	DIV	BDL	BDL	-
Total Phenols	280	LQM	BDL	BDL	-
Arsenic	37	LQM	7	43	-

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Ref. No: 19.1295

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Cadmium	290	LQM	BDL	0.5	-
Chromium	910	LQM	7	79	-
Copper	2400	LQM	BDL	42	-
Lead	210	C4SL	7	457	WS2 @ 0.3m
Mercury	40	LQM	BDL	BDL	-
Nickel	180	LQM	6	52	-
Selenium	250	LQM	BDL	BDL	-
Zinc	3700	LQM	18	458	-
Naphthalene	2.3	LQM	BDL	0.15	-
Acenaphthylene	170	LQM	BDL	BDL	-
Acenaphthene	210	LQM	BDL	1.37	-
Fluorene	170	LQM	BDL	1.41	-
Phenanthrene	95	LQM	BDL	13.20	-
Anthracene	2400	LQM	BDL	2.81	-
Fluoranthene	280	LQM	BDL	15.40	-
Pyrene	620	LQM	BDL	11.20	-
Benzo(a)anthracene	7.2	LQM	BDL	4.57	-
Chrysene	15	LQM	BDL	4.24	-
Benzo(b)fluoranthene	2.6	LQM	BDL	7.03	WS4 @ 0.4m WS7 @ 0.5m
Benzo(k)fluoranthene	77	LQM	BDL	2.14	-
Benzo(a)pyrene	2.2	LQM	BDL	5.62	WS4 @ 0.4m WS7 @ 0.5m
Indeno(1,2,3-cd)pyrene	27	LQM	BDL	4.05	-
Dibenz(a,h)anthracene	0.24	LQM	BDL	0.68	WS4 @ 0.4m WS7 @ 0.5m
Benzo(ghi)perylene	320	LQM	BDL	2.99	-
Benzene	0.087	LQM	BDL	BDL	-
Toluene	130	LQM	BDL	BDL	-
Ethylbenzene	47	LQM	BDL	BDL	-
Total Xylenes	56	LQM	BDL	BDL	-
MTBE	DL	CE	BDL	BDL	-
Aliphatic >C5-C6	42	LQM	BDL	BDL	-
Aliphatic >C6-C8	100	LQM	BDL	BDL	-
Aliphatic >C8-C10	27	LQM	BDL	BDL	-
Aliphatic >C10-C12	130	LQM	BDL	BDL	-
Aliphatic >C12-C16	1100	LQM	BDL	65	-
Aliphatic >C16-C21	65000	LQM	BDL	BDL	-
Aliphatic >C21-C35	65000	LQM	BDL	BDL	-
Aromatic >C5-C7	70	LQM	BDL	BDL	-
Aromatic >C7-C8	130	LQM	BDL	BDL	-
Aromatic >C8-C10	34	LQM	BDL	BDL	-
Aromatic >C10-C12	74	LQM	BDL	BDL	-
Aromatic >C12-C16	140	LQM	BDL	6	-
Aromatic >C16-C21	1100	LQM	BDL	50	-
Aromatic >C21-C35	1100	LQM	BDL	153	-

Full laboratory analytical results can be found in **Appendix C**.

WAC Results

Two composite WAC tests were undertaken from Made Ground within the area of suspected fly tipping to determine the likely landfill classification for the offsite disposal of Made Ground materials. Results are summarized in the table below.

Sample ID	Material	Location	Likely Landfill Classification
WAC1	Made Ground	WS5, WS7	Inert Landfill
WAC2	Made Ground	WS2	Non Hazardous Landfill

Full laboratory results can be observed in **Appendix C**.

Discussion of Findings

The laboratory results from the soil samples retrieved during the intrusive investigation have identified the presence of Asbestos (Chrysotile) within the Made Ground in the following locations;

- WS2 @ 0.30m
- WS4 @ 0.40m
- WS4 @ 1.20m
- WS5 @ 0.50m
- WS6 @ 0.20m
- WS7 @ 0.50m

The following exceedances of the adopted GACs were revealed during the laboratory testing;

- Lead (max 457mg/kg) - WS2 at 0.30m
- Benzo(b)fluoranthene (max 7.03mg/kg) – WS4 at 0.40m & WS7 at 0.50m
- Benzo(a)pyrene (max 5.62mg/kg) - WS4 at 0.40m & WS7 at 0.50m
- Dibenz(a,h)anthracene (0.68mg/kg) - WS4 at 0.40m & WS7 at 0.50m

Recommendations

The asbestos fibres identified during the laboratory analytical testing were all quantified to below the hazardous threshold level of 0.1%. As a result, no remedial works regarding the identified asbestos in the soil is likely to be required.

Date: 03/02/2020

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The suspected ACM tile fragments observed across the site should be hand-picked by certified Category B operatives wearing the appropriate PPE, double bagged and disposed of in a secure, lockable skip, in line with CAR2012 regulations.

Exceedances of the most stringent 'residential with home grown produce' GACs were observed within the Made Ground materials in WS2, WS4 and WS7. These materials extend to a maximum depth of 0.70mbgl across site. WS2 and WS7 were located within the centre of the site where fly tipping was suspected to have occurred. WS4 was located in the south of the site.

It is likely that Made Ground materials will be largely removed from site during the groundworks phase of any development.

If any proposed development were to include private gardens, the following is recommended;

- Removal of existing Made Ground soils to allow a minimum 450mm capping layer from finalised ground level.
- Installation of a geotextile membrane at the base of the reduced dig – subsequent to the requirements of a Landscape Designer/Architect
- Importation of a minimum 300mm thickness of suitable subsoil; and,
- Importation of a minimum 150mm thickness of suitable, certified topsoil as per BS3882:20125, at surface (dependant on final landscape design and advice from landscape architect)

It is also recommended that the following Discovery Strategy is followed during the construction phase of any site works.

If any previously unidentified contamination is observed or suspected during the construction phase, the following procedures should be adhered to. Material excavated should be placed onto an impermeable cover to prevent any potential cross contamination.

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Potential contamination can be identified by the following;

- Oily odour or sheen
- Solvent odour
- Potentially contaminative anthropogenic materials
- Fragments of asbestos sheeting

If any previously unidentified contamination is observed during the watching brief, it is recommended that the site manager decides if the material is potentially contaminated and to inform Constructive Evaluation, who will send a representative to site for sampling and a visual appraisal of the materials. It is recommended that the material is cordoned off until it has been determined as contaminated or otherwise.

We trust the above information is sufficient for your requirements in this matter. Should you have any queries, please do not hesitate to get in contact.

Kind regards,

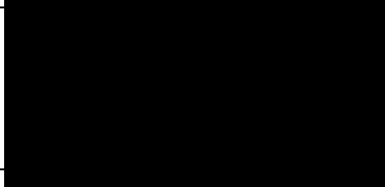
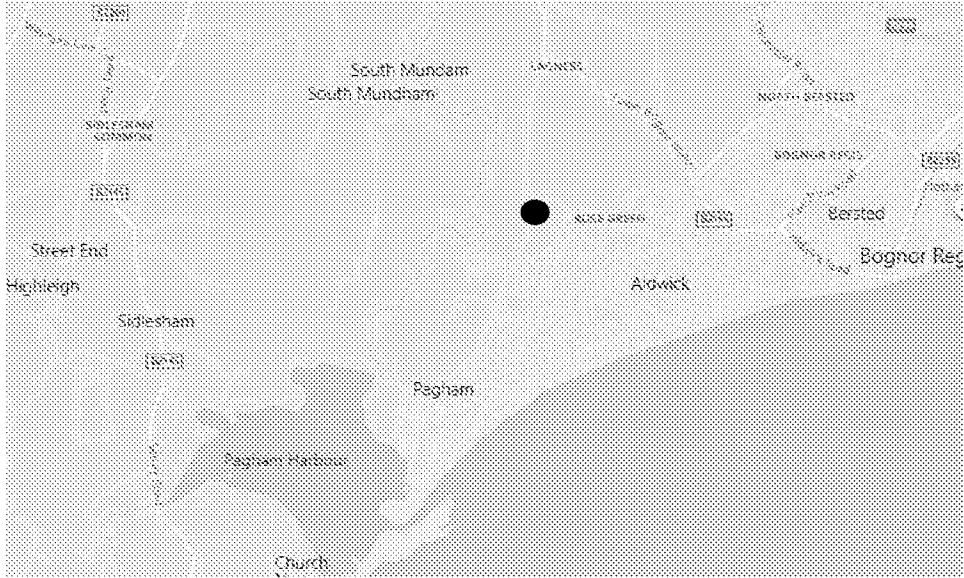
Michael Emery MSc BSc FGS IAEG

**Geo Environmental Consultant
Constructive Evaluation Limited**

Date: 03/02/2020

Ref. No: 19.1295

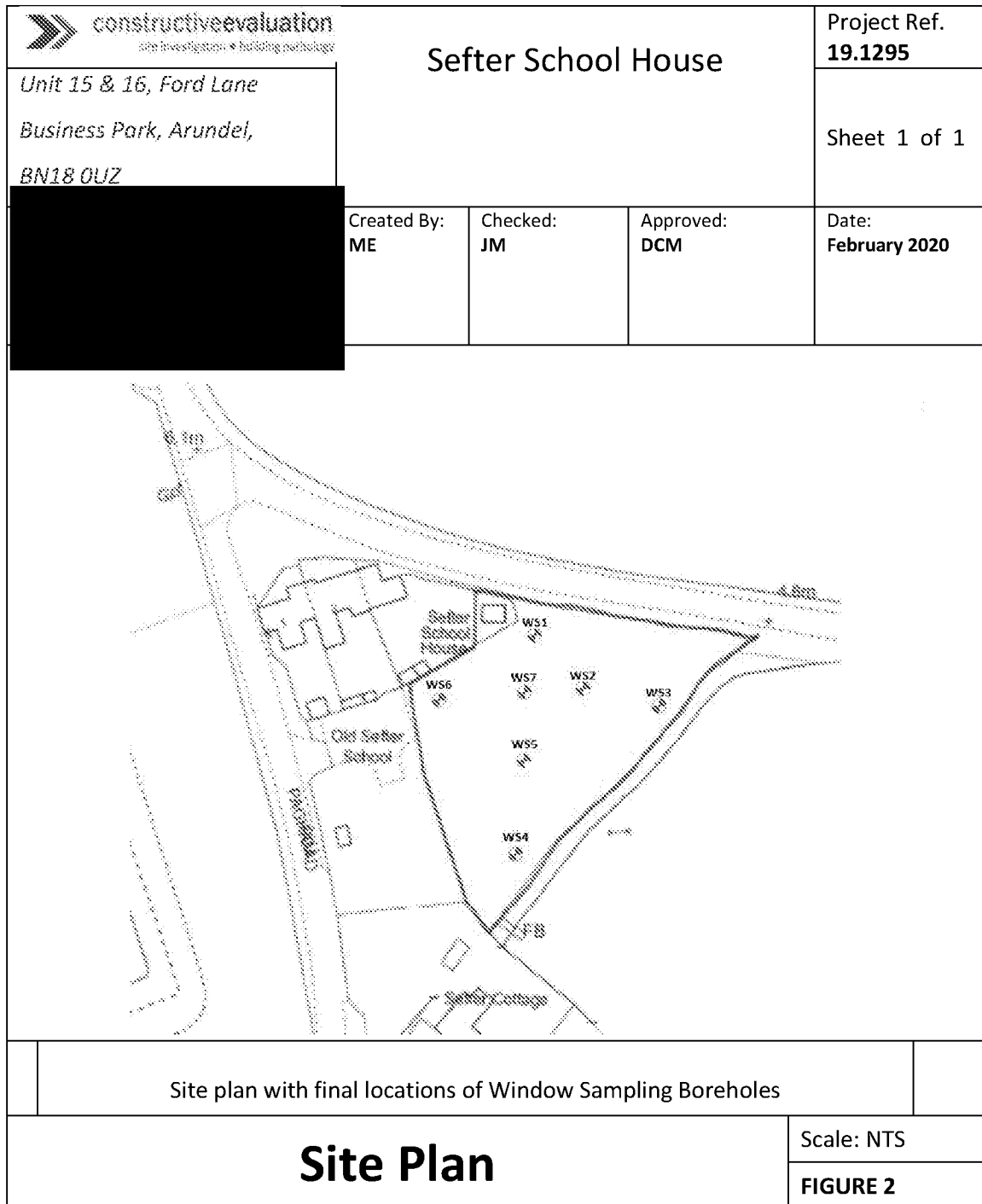
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 constructiveevaluation site investigation • building pathology		Sefter School House		Project Ref. 19.1295	
Unit 15 & 16, Ford Lane Business Park, Arundel, BN18 0UZ				Sheet 1 of 1	
		Created By: ME	Checked: JM	Approved: DCM	Date: February 2020
					
Reproduced by permission of H.M. Stationery Office.		Map extracted at a scale of 1:25,000			N 
Site Location					Scale: NTS
					FIGURE 1

Date: 03/02/2020

Ref. No: 19.1295

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Date: 03/02/2020

Ref. No: 19.1295

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Appendix A – Site Photographs



Investigation Photographs

Project Ref: 19.1295

Site Name: Sefter School House

1.



2.



3.



4.



- 1) Site overview facing west
- 2) Stream on eastern site boundary
- 3) Site overview facing north west
- 4) Site overview facing south

Investigation Photographs

Project Ref: 19.1295

Site Name: Sefter School House

5.



6.



- 5) Lightweight window sampling at WS1
- 6) Hand digging at WS2
- 7) Hand digging at WS7
- 8) Suspected ACM tile fragments on the southern half of site

7.



8.



Date: 03/02/2020

Ref. No: 19.1295

Page **10** of **11**

Appendix B – Stratigraphic Logs





Borehole Log

Borehole No.

WS1

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.20			Brown slightly sandy gravelly CLAY. Sand is fine to medium. Gravels are medium to coarse, subangular and subrounded flint, concrete, red brick, wood and tile fragments. (Made Ground)	
		0.80 - 0.90	ES		1.00			Soft brown silty sandy CLAY with occasional orange mottling. Sand is fine to medium.	1
								Orange brown slightly clayey fine to coarse SAND.	
					2.20			Firm brown CLAY.	2
					2.50			Stiff blue grey CLAY.	
					3.00			End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks





Borehole Log

Borehole No.

WS2

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

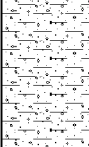
Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30 - 0.40	ES		0.40			Grey brown slightly sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, angular and subrounded red brick, concrete and flint. (Made Ground)	
		1.20 - 1.30	ES					Orange brown clayey gravelly fine to coarse SAND. Gravels are medium to coarse, subangular and rounded flint.	1
									2
					2.70				
					2.80			Firm brown CLAY.	
					3.00			Stiff grey CLAY.	
								End of Borehole at 3.000m	3
									4
									5
									6
									7
									8
									9
									10

Remarks



 constructiveevaluation site investigation • building pathology				Borehole Log				Borehole No. WS3	
Project Name: Sefter School House				Project No. 19.1295		Co-ords:		Hole Type WS	
Location: Pagham				Level:		Scale 1:50			
Client: Basing Partners Ltd				Dates:		Logged By ME			

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description		
		Depth (m)	Type	Results						
	▼	0.20 - 0.30	ES		0.40			Brown sandy gravelly CLAY. Sand is fine to coarse. Gravels are medium to coarse, subangular and subrounded flint, concrete and red brick. (Made Ground)	1	
		0.60 - 0.70	ES					Firm brown sandy gravelly CLAY. Sand is fine to medium. Gravels are fine to medium, subangular and subrounded flint.		
					1.50			Grey orange slightly clayey fine to medium SAND.		2
					1.90			Stiff brown CLAY.		
					2.00		End of Borehole at 2.000m			
								3		
									4	
									5	
									6	
									7	
									8	
									9	
									10	

Remarks								



Borehole Log

Borehole No.

WS4

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

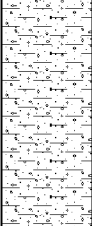
Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40 - 0.50	ES		0.40			Brown sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, subangular and subrounded flint, concrete, red brick and tile. (Made Ground)	
		1.20 - 1.30	ES					Firm brown sandy gravelly CLAY. Sand is fine to medium. Gravels are fine to medium, subangular and subrounded flint.	1
					2.00			End of Borehole at 2.000m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks





Borehole Log

Borehole No.

WS5

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

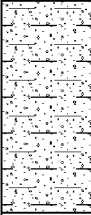
Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50 - 0.60	ES		0.60			Brown sandy gravelly CLAY. Sand is medium to coarse. Gravels are medium to coarse, subangular and subrounded red brick, concrete and tile. (Made Ground)	
		0.90 - 1.00	ES					Orange brown clayey slightly gravelly fine to coarse SAND. Gravels are fine to medium, subangular to rounded flint.	1
					2.00			End of Borehole at 2.000m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks





Borehole Log

Borehole No.

WS6

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

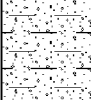
Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.30	ES		0.30			Brown sandy slightly gravelly CLAY. Sand is medium to coarse. Gravels are fine to medium, subangular and rounded flint and red brick.	
		0.40 - 0.50	ES					(Made Ground) Orange brown clayey slightly gravelly medium to coarse SAND. Gravels are fine to medium, subangular and rounded flint.	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks





Borehole Log

Borehole No.

WS7

Sheet 1 of 1

Project Name: Sefter School House

Project No.
19.1295

Co-ords:

Hole Type
WS

Location: Pagham

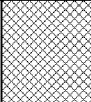
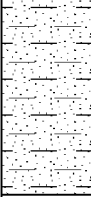
Level:

Scale
1:50

Client: Basing Partners Ltd

Dates:

Logged By
ME

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.50 - 0.60	ES		0.70			Dark brown sandy gravelly CLAY. Sand is fine to coarse. Gravels are medium to coarse, subangular to subrounded flint, concrete and red brick. (Made Ground)	
		1.00 - 1.10	ES					Orange brown clayey medium to coarse SAND.	1
					2.00			End of Borehole at 2.000m	2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks



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Appendix C – Laboratory Analytical Results



Michael Emery
Constructive Evaluation Ltd
Unit 15 & 16
Ford Lane Business
Ford Lane
Ford
Arundel
BN18 0UZ

DETS Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN

DETS Report No: 20-00385

Site Reference: Sefter School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Sample Receipt Date: 15/01/2020

Sample Scheduled Date: 15/01/2020

Report Issue Number: 1

Reporting Date: 21/01/2020

Authorised by:

Dave Ashworth
Technical Manager

Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Sefter School House	TP / BH No	WS1	WS1	WS2	WS2	WS3
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.10	0.80	0.30	1.20	0.60
Reporting Date: 21/01/2020	DETS Sample No	456384	456385	456386	456387	456388

Determinand	Unit	RL	Accreditation					
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO 17025	Not Detected	Not Detected	Detected	Not Detected	Not Detected
Sample Matrix ⁽⁵⁾	Material Type	N/a	NONE			Chrysotile present as fibre bundles		
Asbestos Type ⁽⁵⁾	PLM Result	N/a	ISO 17025			Chrysotile		
pH	pH Units	N/a	MCERTS	7.9	8.1	8.3	8.4	7.9
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	30	23	75	< 10	1580
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.03	0.02	0.07	< 0.01	1.58
Organic Matter	%	< 0.1	MCERTS	4.3	1.4	1.9	0.3	1.1
Arsenic (As)	mg/kg	< 2	MCERTS	26	11	7	14	13
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	0.2	0.2	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	16	26	18	7	19
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	5	15	15	< 4	15
Lead (Pb)	mg/kg	< 3	MCERTS	8	44	457	9	39
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	12	20	10	6	16
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	47	100	458	18	150
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
TPH - Aliphatic >C35 - C40	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >C35 - C40	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
Subcontracted analysis (S)



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Seftor School House	TP / BH No	WS4	WS4	WS5	WS5	WS6
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.40	1.20	0.50	0.90	0.20
Reporting Date: 21/01/2020	DETS Sample No	456389	456390	456391	456392	456393

Determinand	Unit	RL	Accreditation					
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO 17025	Detected	Detected	Detected	Not Detected	Detected
Sample Matrix ⁽⁵⁾	Material Type	N/a	NONE	Chrysotile present as fibre bundles	Chrysotile present as fibre bundles	Chrysotile present as bundles and in microscopic cement fragments		Chrysotile present in microscopic cement fragment
Asbestos Type ⁽⁵⁾	PLM Result	N/a	ISO 17025	Chrysotile	Chrysotile	Chrysotile		Chrysotile
pH	pH Units	N/a	MCERTS	8.3	8.2	8.3	7.8	8.2
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	449	67	88	32	12
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.45	0.07	0.09	0.03	0.01
Organic Matter	%	< 0.1	MCERTS	2	1.2	2.1	0.2	1.3
Arsenic (As)	mg/kg	< 2	MCERTS	10	12	24	8	7
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.3	< 0.2	0.5	< 0.2	< 0.2
Chromium (Cr)	mg/kg	< 2	MCERTS	19	23	31	22	16
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
Copper (Cu)	mg/kg	< 4	MCERTS	23	18	42	< 4	9
Lead (Pb)	mg/kg	< 3	MCERTS	85	61	129	6	36
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1	< 1	< 1	< 1
Nickel (Ni)	mg/kg	< 3	MCERTS	14	19	19	17	12
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3	< 3	< 3	< 3
Zinc (Zn)	mg/kg	< 3	MCERTS	124	79	161	16	58
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2	< 2	< 2	< 2
TPH - Aliphatic >C35 - C40	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH - Aromatic >C35 - C40	mg/kg	< 10	MCERTS	15	< 10	20	< 10	< 10

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
Subcontracted analysis (S)



DETS Ltd
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Soil Analysis Certificate						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20			
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Sefter School House	TP / BH No	WS7	WS7			
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied			
Order No: 19.1295/ME	Depth (m)	0.50	1.00			
Reporting Date: 21/01/2020	DETS Sample No	456394	456395			

Determinand	Unit	RL	Accreditation	Detected	Not Detected			
Asbestos Screen ^(S)	N/a	N/a	ISO 17025	Detected	Not Detected			
Sample Matrix ^(S)	Material Type	N/a	NONE	Chrysotile present as fibre bundles				
Asbestos Type ^(S)	PLM Result	N/a	ISO 17025	Chrysotile				
pH	pH Units	N/a	MCERTS	8.2	7.8			
Total Cyanide	mg/kg	< 2	NONE	< 2	< 2			
W/S Sulphate as SO ₄ (2:1)	mg/l	< 10	MCERTS	80	40			
W/S Sulphate as SO ₄ (2:1)	g/l	< 0.01	MCERTS	0.08	0.04			
Organic Matter	%	< 0.1	MCERTS	2.8	0.2			
Arsenic (As)	mg/kg	< 2	MCERTS	12	43			
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.3	0.3			
Chromium (Cr)	mg/kg	< 2	MCERTS	20	79			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	23	7			
Lead (Pb)	mg/kg	< 3	MCERTS	125	7			
Mercury (Hg)	mg/kg	< 1	NONE	< 1	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	15	52			
Selenium (Se)	mg/kg	< 3	NONE	< 3	< 3			
Zinc (Zn)	mg/kg	< 3	MCERTS	136	25			
Total Phenols (monohydric)	mg/kg	< 2	NONE	< 2	< 2			
TPH - Aliphatic >C35 - C40	mg/kg	< 10	MCERTS	< 10	< 10			
TPH - Aromatic >C35 - C40	mg/kg	< 10	MCERTS	21	< 10			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
 Subcontracted analysis (S)



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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Sefter School House	TP / BH No	WS1	WS1	WS2	WS2	WS3
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.10	0.80	0.30	1.20	0.60
Reporting Date: 21/01/2020	DETS Sample No	456384	456385	456386	456387	456388

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	0.15	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	0.69	0.21	1.21	< 0.1	< 0.1
Anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.29	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	1.58	0.36	4.83	< 0.1	< 0.1
Pyrene	mg/kg	< 0.1	MCERTS	1.37	0.31	4.89	< 0.1	< 0.1
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	0.67	0.16	2.26	< 0.1	< 0.1
Chrysene	mg/kg	< 0.1	MCERTS	0.72	0.17	2.04	< 0.1	< 0.1
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	0.95	0.21	2.42	< 0.1	< 0.1
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	0.28	< 0.1	0.95	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	0.63	0.15	2.09	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	0.41	< 0.1	1.16	< 0.1	< 0.1
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	0.13	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	0.36	< 0.1	0.95	< 0.1	< 0.1
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	7.7	1.7	23.2	< 1.6	< 1.6

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Soil Analysis Certificate - Speciated PAHs						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Seftor School House	TP / BH No	WS4	WS4	WS5	WS5	WS6
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.40	1.20	0.50	0.90	0.20
Reporting Date: 21/01/2020	DETS Sample No	456389	456390	456391	456392	456393

Determinand	Unit	RL	Accreditation					
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	mg/kg	< 0.1	MCERTS	1.37	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	mg/kg	< 0.1	MCERTS	1.41	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	mg/kg	< 0.1	MCERTS	13.20	0.19	0.29	< 0.1	0.15
Anthracene	mg/kg	< 0.1	MCERTS	2.81	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	mg/kg	< 0.1	MCERTS	15.40	0.60	0.97	< 0.1	0.35
Pyrene	mg/kg	< 0.1	MCERTS	11.20	0.58	0.97	< 0.1	0.31
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	5.09	0.37	1.12	< 0.1	0.18
Chrysene	mg/kg	< 0.1	MCERTS	4.24	0.41	1.07	< 0.1	0.20
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	4.51	0.65	1.91	< 0.1	0.30
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	1.56	0.24	0.59	< 0.1	< 0.1
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	3.08	0.45	1.50	< 0.1	0.22
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	1.90	0.38	1.12	< 0.1	0.18
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.26	< 0.1	0.20	< 0.1	< 0.1
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	1.41	0.31	0.90	< 0.1	0.14
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	67.4	4.2	10.7	< 1.6	2

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Soil Analysis Certificate - Speciated PAHs

DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20			
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Seftor School House	TP / BH No	WS7	WS7			
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied			
Order No: 19.1295/ME	Depth (m)	0.50	1.00			
Reporting Date: 21/01/2020	DETS Sample No	456394	456395			

Determinand	Unit	RL	Accreditation				
Naphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Acenaphthylene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Acenaphthene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1		
Fluorene	mg/kg	< 0.1	MCERTS	0.12	< 0.1		
Phenanthrene	mg/kg	< 0.1	MCERTS	1.88	< 0.1		
Anthracene	mg/kg	< 0.1	MCERTS	0.63	< 0.1		
Fluoranthene	mg/kg	< 0.1	MCERTS	7.20	0.16		
Pyrene	mg/kg	< 0.1	MCERTS	6.68	0.15		
Benzo(a)anthracene	mg/kg	< 0.1	MCERTS	4.57	< 0.1		
Chrysene	mg/kg	< 0.1	MCERTS	4.14	< 0.1		
Benzo(b)fluoranthene	mg/kg	< 0.1	MCERTS	7.03	< 0.1		
Benzo(k)fluoranthene	mg/kg	< 0.1	MCERTS	2.14	< 0.1		
Benzo(a)pyrene	mg/kg	< 0.1	MCERTS	5.62	< 0.1		
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	MCERTS	4.05	< 0.1		
Dibenz(a,h)anthracene	mg/kg	< 0.1	MCERTS	0.68	< 0.1		
Benzo(ghi)perylene	mg/kg	< 0.1	MCERTS	2.99	< 0.1		
Total EPA-16 PAHs	mg/kg	< 1.6	MCERTS	47.7	< 1.6		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Soil Analysis Certificate - TPH LQM Banded

DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Seftor School House	TP / BH No	WS1	WS1	WS2	WS2	WS3
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.10	0.80	0.30	1.20	0.60
Reporting Date: 21/01/2020	DETS Sample No	456384	456385	456386	456387	456388

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35	mg/kg	< 10	MCERTS	65	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44)	mg/kg	< 30	NONE	65	< 30	< 30	< 30	< 30
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	22	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	57	< 10	< 10
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aromatic (>C5 - C44)	mg/kg	< 30	NONE	< 30	< 30	79	< 30	< 30
Total >C5 - C44	mg/kg	< 60	NONE	65	< 60	79	< 60	< 60

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



DETS Ltd
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Soil Analysis Certificate - TPH LQM Banded

DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Seftor School House	TP / BH No	WS4	WS4	WS5	WS5	WS6
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.40	1.20	0.50	0.90	0.20
Reporting Date: 21/01/2020	DETS Sample No	456389	456390	456391	456392	456393

Determinand	Unit	RL	Accreditation					
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	< 3	< 3	< 3
Aliphatic >C16 - C35	mg/kg	< 10	MCERTS	< 10	< 10	< 10	< 10	< 10
Aliphatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	< 10	< 10	< 10
Aliphatic (C5 - C44)	mg/kg	< 30	NONE	< 30	< 30	< 30	< 30	< 30
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	6	< 2	< 2	< 2	< 2
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	50	< 3	5	< 3	< 3
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	71	< 10	57	< 10	< 10
Aromatic >C35 - C44	mg/kg	< 10	NONE	16	< 10	20	< 10	< 10
Aromatic (>C5 - C44)	mg/kg	< 30	NONE	144	< 30	83	< 30	< 30
Total >C5 - C44	mg/kg	< 60	NONE	144	< 60	83	< 60	< 60

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



DETS Ltd
Unit 1, Rose Lane Industrial Estate
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Soil Analysis Certificate - TPH LQM Banded

DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20			
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Sefton School House	TP / BH No	WS7	WS7			
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied			
Order No: 19.1295/ME	Depth (m)	0.50	1.00			
Reporting Date: 21/01/2020	DETS Sample No	456394	456395			

Determinand	Unit	RL	Accreditation				
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01		
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05		
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2		
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2		
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3		
Aliphatic >C16 - C35	mg/kg	< 10	MCERTS	< 10	< 10		
Aliphatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10		
Aliphatic (C5 - C44)	mg/kg	< 30	NONE	< 30	< 30		
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01		
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05		
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2		
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2		
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2		
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	34	< 3		
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	153	< 10		
Aromatic >C35 - C44	mg/kg	< 10	NONE	21	< 10		
Aromatic (>C5 - C44)	mg/kg	< 30	NONE	208	< 30		
Total >C5 - C44	mg/kg	< 60	NONE	208	< 60		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Unit 1, Rose Lane Industrial Estate
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Soil Analysis Certificate - BTEX / MTBE

DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Sefter School House	TP / BH No	WS1	WS1	WS2	WS2	WS3
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.10	0.80	0.30	1.20	0.60
Reporting Date: 21/01/2020	DETS Sample No	456384	456385	456386	456387	456388

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Sefter School House	TP / BH No	WS4	WS4	WS5	WS5	WS6
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.40	1.20	0.50	0.90	0.20
Reporting Date: 21/01/2020	DETS Sample No	456389	456390	456391	456392	456393

Determinand	Unit	RL	Accreditation					
Benzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
Toluene	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2	< 2	< 2	< 2
MTBE	ug/kg	< 5	MCERTS	< 5	< 5	< 5	< 5	< 5

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



DETS Ltd
Unit 1, Rose Lane Industrial Estate
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Maidstone
Kent ME17 2JN



Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 20-00385	Date Sampled	10/01/20	10/01/20			
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied			
Site Reference: Sefter School House	TP / BH No	WS7	WS7			
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied			
Order No: 19.1295/ME	Depth (m)	0.50	1.00			
Reporting Date: 21/01/2020	DETS Sample No	456394	456395			

Determinand	Unit	RL	Accreditation				
Benzene	ug/kg	< 2	MCERTS	< 2	< 2		
Toluene	ug/kg	< 5	MCERTS	< 5	< 5		
Ethylbenzene	ug/kg	< 2	MCERTS	< 2	< 2		
p & m-xylene	ug/kg	< 2	MCERTS	< 2	< 2		
o-xylene	ug/kg	< 2	MCERTS	< 2	< 2		
MTBE	ug/kg	< 5	MCERTS	< 5	< 5		

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C



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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3																																							
DETS Report No: 20-00385		Date Sampled		10/01/20		<table border="1"> <thead> <tr> <th colspan="3">Landfill Waste Acceptance Criteria Limits</th> </tr> <tr> <th>Inert Waste Landfill</th> <th>Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill</th> <th>Hazardous Waste Landfill</th> </tr> </thead> <tbody> <tr> <td>3%</td> <td>5%</td> <td>6%</td> </tr> <tr> <td>--</td> <td>--</td> <td>10%</td> </tr> <tr> <td>6</td> <td>--</td> <td>--</td> </tr> <tr> <td>1</td> <td>--</td> <td>--</td> </tr> <tr> <td>500</td> <td>--</td> <td>--</td> </tr> <tr> <td>100</td> <td>--</td> <td>--</td> </tr> <tr> <td>--</td> <td>>6</td> <td>--</td> </tr> <tr> <td>--</td> <td>To be evaluated</td> <td>To be evaluated</td> </tr> </tbody> </table>				Landfill Waste Acceptance Criteria Limits			Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill	3%	5%	6%	--	--	10%	6	--	--	1	--	--	500	--	--	100	--	--	--	>6	--	--	To be evaluated	To be evaluated
Landfill Waste Acceptance Criteria Limits																																							
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500	--	--																																					
100	--	--																																					
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--	To be evaluated	To be evaluated																																					
Constructive Evaluation Ltd		Time Sampled		None Supplied																																			
Site Reference: Sefter School House		TP / BH No		WAC1																																			
Project / Job Ref: 19.1295		Additional Refs		None Supplied																																			
Order No: 19.1295/ME		Depth (m)		None Supplied																																			
Reporting Date: 21/01/2020		DETS Sample No		456382																																			
Determinand		Unit		MDL																																			
TOC ^{MU}		%		< 0.1		1.3																																	
Loss on Ignition		%		< 0.01		3.70																																	
BTEX ^{MU}		mg/kg		< 0.05		< 0.05																																	
Sum of PCBs		mg/kg		< 0.1		< 0.1																																	
Mineral Oil ^{MU}		mg/kg		< 10		< 10																																	
Total PAH ^{MU}		mg/kg		< 1.7		10																																	
pH ^{MU}		pH Units		N/a		8.4																																	
Acid Neutralisation Capacity		mol/kg (+/-)		< 1		1.3																																	
Eluate Analysis				2:1	8:1		Cumulative 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)																															
				mg/l	mg/l		mg/kg																																
Arsenic ^U				< 0.01	< 0.01		< 0.2	0.5	2	25																													
Barium ^U				0.02	< 0.02		0.1	20	100	300																													
Cadmium ^U				< 0.0005	< 0.0005		< 0.02	0.04	1	5																													
Chromium ^U				0.013	0.006		< 0.20	0.5	10	70																													
Copper ^U				< 0.01	< 0.01		< 0.5	2	50	100																													
Mercury ^U				< 0.0005	< 0.0005		< 0.005	0.01	0.2	2																													
Molybdenum ^U				0.009	0.003		< 0.1	0.5	10	30																													
Nickel ^U				< 0.007	< 0.007		< 0.2	0.4	10	40																													
Lead ^U				< 0.005	< 0.005		< 0.2	0.5	10	50																													
Antimony ^U				0.006	< 0.005		< 0.05	0.06	0.7	5																													
Selenium ^U				< 0.005	< 0.005		< 0.05	0.1	0.5	7																													
Zinc ^U				< 0.005	< 0.005		< 0.2	4	50	200																													
Chloride ^U				9	4		46	800	15000	25000																													
Fluoride ^U				0.7	0.5		5.3	10	150	500																													
Sulphate ^U				192	17		393	1000	20000	50000																													
TDS				230	87		1053	4000	60000	100000																													
Phenol Index				< 0.01	< 0.01		< 0.5	1	-	-																													
DOC				9.6	7.2		74.9	500	800	1000																													
Leach Test Information																																							
Sample Mass (kg)				0.20																																			
Dry Matter (%)				86.5																																			
Moisture (%)				15.6																																			
Stage 1																																							
Volume Eluate L2 (litres)				0.32																																			
Filtered Eluate VE1 (litres)				0.22																																			
Results are expressed on a dry weight basis, after correction for moisture content where applicable Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation M Denotes MCERTS accredited test U Denotes ISO17025 accredited test																																							



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Waste Acceptance Criteria Analytical Certificate - BS EN 12457/3																																							
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500	--	--																																					
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--	To be evaluated	To be evaluated																																					
Constructive Evaluation Ltd		Time Sampled		None Supplied																																			
Site Reference: Sefter School House		TP / BH No		WAC2																																			
Project / Job Ref: 19.1295		Additional Refs		None Supplied																																			
Order No: 19.1295/ME		Depth (m)		None Supplied																																			
Reporting Date: 21/01/2020		DETS Sample No		456383																																			
Determinand	Unit	MDL																																					
TOC ^{MU}	%	< 0.1	1																																				
Loss on Ignition	%	< 0.01	2.70																																				
BTEX ^{MU}	mg/kg	< 0.05	< 0.05																																				
Sum of PCBs	mg/kg	< 0.1	< 0.1																																				
Mineral Oil ^{MU}	mg/kg	< 10	< 10																																				
Total PAH ^{MU}	mg/kg	< 1.7	47.2																																				
pH ^{MU}	pH Units	N/a	8.3																																				
Acid Neutralisation Capacity	mol/kg (+/-)	< 1	< 1																																				
Eluate Analysis				2:1	8:1		Cumulative 10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)																															
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Barium ^U				< 0.02	< 0.02		0.2	20	300																														
Cadmium ^U				< 0.0005	< 0.0005		< 0.02	0.04	5																														
Chromium ^U				0.020	0.007		< 0.20	0.5	70																														
Copper ^U				0.02	< 0.01		< 0.5	2	100																														
Mercury ^U				< 0.0005	< 0.0005		< 0.005	0.01	2																														
Molybdenum ^U				0.008	0.004		< 0.1	0.5	30																														
Nickel ^U				< 0.007	< 0.007		< 0.2	0.4	40																														
Lead ^U				< 0.005	< 0.005		< 0.2	0.5	50																														
Antimony ^U				0.019	0.008		0.09	0.7	5																														
Selenium ^U				< 0.005	< 0.005		< 0.05	0.1	7																														
Zinc ^U				0.030	0.007		< 0.2	4	200																														
Chloride ^U				3	7		63	800	25000																														
Fluoride ^U				0.9	0.7		7.1	10	500																														
Sulphate ^U				12	7		69	1000	50000																														
TDS				122	87		894	4000	100000																														
Phenol Index				< 0.01	< 0.01		< 0.5	1	-																														
DOC				12.6	20.2		197	500	1000																														
Leach Test Information																																							
Sample Mass (kg)				0.20																																			
Dry Matter (%)				85.9																																			
Moisture (%)				16.4																																			
Stage 1																																							
Volume Eluate L2 (litres)				0.32																																			
Filtered Eluate VE1 (litres)				0.12																																			
Results are expressed on a dry weight basis, after correction for moisture content where applicable Stated limits are for guidance only and DETS Ltd cannot be held responsible for any discrepancies with current legislation M Denotes MCERTS accredited test U Denotes ISO17025 accredited test																																							



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate - Sample Descriptions

DETS Report No: 20-00385

Constructive Evaluation Ltd

Site Reference: Sefton School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Reporting Date: 21/01/2020

DETS Sample No	TP / BH No	Additional Refs	Depth (m)	Moisture Content (%)	Sample Matrix Description
456382	WAC1	None Supplied	None Supplied	13.5	Brown loamy sand with stones and concrete
456383	WAC2	None Supplied	None Supplied	14.1	Brown loamy sand with stones and concrete
456384	WS1	None Supplied	0.10	17	Brown loamy sand with stones and vegetation
456385	WS1	None Supplied	0.80	10.8	Brown loamy sand with stones
456386	WS2	None Supplied	0.30	12.9	Brown loamy sand with brick and concrete
456387	WS2	None Supplied	1.20	9.7	Brown sandy gravel with stones
456388	WS3	None Supplied	0.60	15	Brown loamy sand
456389	WS4	None Supplied	0.40	11.7	Brown loamy sand with stones and concrete
456390	WS4	None Supplied	1.20	15.6	Brown loamy clay with stones
456391	WS5	None Supplied	0.50	10.6	Brown loamy sand with stones and concrete
456392	WS5	None Supplied	0.90	10.1	Brown sandy clay with stones
456393	WS6	None Supplied	0.20	13.4	Brown loamy sand with stones
456394	WS7	None Supplied	0.50	14.4	Brown loamy sand with stones and concrete
456395	WS7	None Supplied	1.00	11.8	Light brown sandy clay with stones

Moisture content is part of procedure E003 & is not an accredited test

Insufficient Sample ^{1/5}

Unsuitable Sample ^{1/5}



DETS Ltd
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Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 20-00385

Constructive Evaluation Ltd

Site Reference: Sefter School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Reporting Date: 21/01/2020

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received

Parameter	Matrix Type	Suite Reference	Uncertainty Measurement	Unit
TOC	Soil	BS EN 12457	7	%
Loss on Ignition	Soil	BS EN 12457	17	%
BTEX	Soil	BS EN 12457	14	%
Sum of PCBs	Soil	BS EN 12457	23	%
Mineral Oil	Soil	BS EN 12457	9	%
Total PAH	Soil	BS EN 12457	20	%
pH	Soil	BS EN 12457	0.23	Units
Acid Neutralisation Capacity	Soil	BS EN 12457	18	%
Arsenic	Leachate	BS EN 12457	10	%
Barium	Leachate	BS EN 12457	10	%
Cadmium	Leachate	BS EN 12457	7	%
Chromium	Leachate	BS EN 12457	7	%
Copper	Leachate	BS EN 12457	12	%
Mercury	Leachate	BS EN 12457	12	%
Molybdenum	Leachate	BS EN 12457	9	%
Nickel	Leachate	BS EN 12457	10	%
Lead	Leachate	BS EN 12457	5	%
Antimony	Leachate	BS EN 12457	9	%
Selenium	Leachate	BS EN 12457	10	%
Zinc	Leachate	BS EN 12457	7	%
Chloride	Leachate	BS EN 12457	8	%
Fluoride	Leachate	BS EN 12457	9	%
Sulphate	Leachate	BS EN 12457	9	%
TDS	Leachate	BS EN 12457	12	%
Phenol Index	Leachate	BS EN 12457	14	%
DOC	Leachate	BS EN 12457	10	%
Clay Content	Soil	BS 3882: 2015	15	%
Silt Content	Soil	BS 3882: 2015	14	%
Sand Content	Soil	BS 3882: 2015	13	%
Loss on Ignition	Soil	BS 3882: 2015	17	%
pH	Soil	BS 3882: 2015	0.23	Units
Carbonate	Soil	BS 3882: 2015	16	%
Total Nitrogen	Soil	BS 3882: 2015	12	%
Phosphorus (Extractable)	Soil	BS 3882: 2015	24	%
Potassium (Extractable)	Soil	BS 3882: 2015	20	%
Magnesium (Extractable)	Soil	BS 3882: 2015	26	%
Zinc	Soil	BS 3882: 2015	7	%
Copper	Soil	BS 3882: 2015	12	%
Nickel	Soil	BS 3882: 2015	10	%
Available Sodium	Soil	BS 3882: 2015	23	%
Available Calcium	Soil	BS 3882: 2015	23	%
Electrical Conductivity	Soil	BS 3882: 2015	10	%



Ben Rawlinson
Constructive Evaluation Ltd
Unit 15 & 16
Ford Lane Business
Ford Lane
Ford
Arundel
BN18 0UZ

DETS Ltd
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent
ME17 2JN

DETS Report No: 20-01072

Site Reference: Sefter School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Sample Receipt Date: 15/01/2020

Sample Scheduled Date: 29/01/2020

Report Issue Number: 1

Reporting Date: 31/01/2020

Authorised by:



Eia Myslara
Quality Manager

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Rose Lane
Lenham Heath
Maidstone
Kent ME17 2JN



Soil Analysis Certificate						
DETS Report No: 20-01072	Date Sampled	10/01/20	10/01/20	10/01/20	10/01/20	10/01/20
Constructive Evaluation Ltd	Time Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Site Reference: Sefton School House	TP / BH No	WS2	WS4	WS4	WS5	WS6
Project / Job Ref: 19.1295	Additional Refs	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Order No: 19.1295/ME	Depth (m)	0.30	0.40	1.20	0.50	0.20
Reporting Date: 31/01/2020	DETS Sample No	459292	459293	459294	459295	459296

Determinand	Unit	RL	Accreditation					
Asbestos Quantification ^(S)	%	< 0.001	ISO 17025	< 0.001	< 0.001	< 0.001	0.002	0.003

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
 Subcontracted analysis (S)



DETS Ltd
Unit 1, Rose Lane Industrial Estate
Rose Lane
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Maidstone
Kent ME17 2JN



Soil Analysis Certificate						
DETS Report No: 20-01072	Date Sampled	10/01/20				
Constructive Evaluation Ltd	Time Sampled	None Supplied				
Site Reference: Sefton School House	TP / BH No	WS7				
Project / Job Ref: 19.1295	Additional Refs	None Supplied				
Order No: 19.1295/ME	Depth (m)	0.50				
Reporting Date: 31/01/2020	DETS Sample No	459297				

Determinand	Unit	RL	Accreditation				
Asbestos Quantification ^(S)	%	< 0.001	ISO 17025	0.001			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C
Subcontracted analysis (S)



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Soil Analysis Certificate - Methodology & Miscellaneous Information

DETS Report No: 20-01072

Constructive Evaluation Ltd

Site Reference: Sefter School House

Project / Job Ref: 19.1295

Order No: 19.1295/ME

Reporting Date: 31/01/2020

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450°C	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO ₄) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO ₄) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO ₄) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

D Dried
AR As Received