

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:		25-06280	25-06280	25-06280	25-06280
Quotation No.: Q25-37114		Chemtest Sample ID.:		1937352	1937353	1937354	1937355
Order No.: HM-13089/0002		Client Sample Ref.:		North West Batter	Base	East Batter	Base
		Client Sample ID.:		D8	D8	E8	E8
		Sample Location:		Rem Arena 1	Rem Arena 1	Rem Arena 1	Rem Arena 1
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Date Sampled:		20-Feb-2025	20-Feb-2025	20-Feb-2025	20-Feb-2025
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		N	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	14	38
Soil Colour		N	2040		N/A	Brown	Brown
Other Material		N	2040		N/A	Stones	Stones and Roots
Soil Texture		N	2040		N/A	Sand	Clay
Cyanide (Total)		M	2300	mg/kg	0.50	< 0.50	< 0.50
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	< 0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	1.03	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	4.7	0.39
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	8.5	1.1
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	13	1.5
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	4.0	0.79
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	18	2.3
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	230	660
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	720	1200
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	330	320
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	43	9.4
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	1300	2200
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	1300	2200
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	320	51
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	58	20
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	35	8.3
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	410	80
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	510	1500
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	1600	3000
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	1800	3200
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	370	310
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	160	600
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	4300	8100
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	4500	8700
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	430	82
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	5600	10000
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	5800	11000

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Client: Erith Contractors Ltd		Chemtest Job No.:				25-06280	25-06280	25-06280	25-06280
Quotation No.: Q25-37114		Chemtest Sample ID.:				1937352	1937353	1937354	1937355
Order No.: HM-13089/0002		Client Sample Ref.:				North West Batter	Base	East Batter	Base
		Client Sample ID.:				D8	D8	E8	E8
		Sample Location:				Rem Arena 1	Rem Arena 1	Rem Arena 1	Rem Arena 1
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Date Sampled:				20-Feb-2025	20-Feb-2025	20-Feb-2025	20-Feb-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Benzene		M	2760	µg/kg	1.0	9300	> 10000	92	120
Toluene		M	2760	µg/kg	1.0	2500	> 10000	610	120
Ethylbenzene		M	2760	µg/kg	1.0	82	5300	130	24
m & p-Xylene		M	2760	µg/kg	1.0	2500	> 10000	760	90
o-Xylene		M	2760	µg/kg	1.0	12000	> 10000	420	140
Naphthalene		M	2800	mg/kg	0.10	5.6	260	260	53
Acenaphthylene		N	2800	mg/kg	0.10	9.4	4.6	50	21
Acenaphthene		M	2800	mg/kg	0.10	0.98	< 0.10	7.7	3.3
Fluorene		M	2800	mg/kg	0.10	3.7	7.7	45	22
Phenanthrene		M	2800	mg/kg	0.10	37	24	160	72
Anthracene		M	2800	mg/kg	0.10	12	6.4	49	22
Fluoranthene		M	2800	mg/kg	0.10	64	12	110	48
Pyrene		M	2800	mg/kg	0.10	52	13	76	35
Benzo[a]anthracene		M	2800	mg/kg	0.10	24	5.6	37	17
Chrysene		M	2800	mg/kg	0.10	22	4.2	29	15
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	31	5.8	34	16
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	12	1.9	13	6.0
Benzo[a]pyrene		M	2800	mg/kg	0.10	25	5.9	33	14
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	15	3.0	16	6.9
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	2.9	< 0.10	3.1	1.6
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	14	2.9	15	6.5
Total Of 16 PAH's		N	2800	mg/kg	2.0	330	360	940	360
Total Phenols		M	2920	mg/kg	0.10	1.1	< 0.10	6.3	8.1

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-06659-1

Initial Date of Issue: 25-Mar-2025

Re-Issue Details:

Client Erith Contractors Ltd

Client Address: Erith House
Queen Street
Erith
Kent
DA8 1RP

Contact(s): James Hardy

Project R13089 Leaside Road

Quotation No.: Q25-37114

Date Received: 26-Feb-2025

Order No.: HM-13089/0002

Date Instructed: 26-Feb-2025

No. of Samples: 1

Turnaround (Wkdays): 9

Results Due: 10-Mar-2025

Date Approved: 25-Mar-2025

Approved By:

Details: Simon Wicks, Specialist Chemist

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:				25-06659
Quotation No.: Q25-37114		Chemtest Sample ID.:				1938980
Order No.: HM-13089/0002		Client Sample Ref.:				Coal Tar Query
		Sample Location:				Rem Area 1
		Sample Type:				SOIL
		Date Sampled:				24-Feb-2025
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
ACM Type		N	2192		N/A	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected
Moisture		N	2030	%	0.020	< 0.020
Stones and Removed Materials		N	2030	%	0.020	< 0.020
Soil Colour		N	2040		N/A	Black
Other Material		N	2040		N/A	None
Soil Texture		N	2040		N/A	Other
pH at 20C		M	2010		4.0	7.0
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.77
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.067
Sulphur (Elemental)		M	2180	mg/kg	1.0	I/S
Chloride (Extractable)		U	2220	mg/kg	20	400
Cyanide (Complex)		M	2300	mg/kg	0.50	32
Cyanide (Free)		M	2300	mg/kg	0.50	0.50
Cyanide (Total)		M	2300	mg/kg	0.50	33
Thiocyanate		M	2300	mg/kg	5.0	< 5.0
Ammonium (Extractable)		M	2425	mg/kg	0.50	3.8
Arsenic		M	2455	mg/kg	0.5	57
Cadmium		M	2455	mg/kg	0.10	0.30
Chromium		M	2455	mg/kg	0.5	58
Copper		M	2455	mg/kg	0.50	36
Mercury		M	2455	mg/kg	0.05	0.22
Nickel		M	2455	mg/kg	0.50	66
Lead		M	2455	mg/kg	0.50	60
Selenium		M	2455	mg/kg	0.25	2.4
Zinc		M	2455	mg/kg	0.50	130
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	0.24
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	1.1
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	1.6
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	2.7
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	0.92
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	3.9
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	1500
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	5900
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	2200
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	130
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	54

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:		25-06659	
Quotation No.: Q25-37114		Chemtest Sample ID.:		1938980	
Order No.: HM-13089/0002		Client Sample Ref.:		Coal Tar Query	
		Sample Location:		Rem Area 1	
		Sample Type:		SOIL	
		Date Sampled:		24-Feb-2025	
		Asbestos Lab:		DURHAM	
Determinand	HWOL Code	Accred.	SOP	Units	LOD
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00
LOI		M	2610	%	0.10
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10
Benzene		M	2760	mg/kg	0.0010
Toluene		M	2760	mg/kg	0.0010
Ethylbenzene		M	2760	mg/kg	0.0010
m & p-Xylene		M	2760	mg/kg	0.0010
o-Xylene		M	2760	mg/kg	0.0010
N-Nitrosodimethylamine		M	2790	mg/kg	0.50
Phenol		M	2790	mg/kg	0.50
2-Chlorophenol		N	2790	mg/kg	0.50
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50
1,3-Dichlorobenzene		M	2790	mg/kg	0.50
1,4-Dichlorobenzene		N	2790	mg/kg	0.50
1,2-Dichlorobenzene		M	2790	mg/kg	0.50
2-Methylphenol		M	2790	mg/kg	0.50
Bis(2-Chloroisopropyl)Ether		N	2790	mg/kg	0.50
Hexachloroethane		N	2790	mg/kg	0.50
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50
4-Methylphenol		M	2790	mg/kg	0.50
Nitrobenzene		N	2790	mg/kg	0.50
Isophorone		M	2790	mg/kg	0.50
2-Nitrophenol		N	2790	mg/kg	0.50

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Client: Erith Contractors Ltd		Chemtest Job No.:		25-06659		
Quotation No.: Q25-37114		Chemtest Sample ID.:		1938980		
Order No.: HM-13089/0002		Client Sample Ref.:		Coal Tar Query		
		Sample Location:		Rem Area 1		
		Sample Type:		SOIL		
		Date Sampled:		24-Feb-2025		
		Asbestos Lab:		DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
2,4-Dimethylphenol		N	2790	mg/kg	0.50	2.2
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50	< 0.50
2,4-Dichlorophenol		N	2790	mg/kg	0.50	< 0.50
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50	< 0.50
Naphthalene		M	2790	mg/kg	0.50	57
4-Chloroaniline		N	2790	mg/kg	0.50	< 0.50
Hexachlorobutadiene		M	2790	mg/kg	0.50	< 0.50
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50	< 0.50
2-Methylnaphthalene		M	2790	mg/kg	0.50	14
4-Nitrophenol		N	2790	mg/kg	0.50	< 0.50
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50
2-Chloronaphthalene		M	2790	mg/kg	0.50	< 0.50
2-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Acenaphthylene		M	2790	mg/kg	0.50	3.7
Dimethylphthalate		M	2790	mg/kg	0.50	< 0.50
2,6-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50
Acenaphthene		M	2790	mg/kg	0.50	0.90
3-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Dibenzofuran		M	2790	mg/kg	0.50	3.0
4-Chlorophenylphenylether		M	2790	mg/kg	0.50	< 0.50
2,4-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50
Fluorene		M	2790	mg/kg	0.50	3.9
Diethyl Phthalate		M	2790	mg/kg	0.50	< 0.50
4-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Azobenzene		M	2790	mg/kg	0.50	< 0.50
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50	< 0.50
Hexachlorobenzene		M	2790	mg/kg	0.50	< 0.50
Phenanthrene		M	2790	mg/kg	0.50	14
Anthracene		M	2790	mg/kg	0.50	4.6
Carbazole		M	2790	mg/kg	0.50	< 0.50
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Fluoranthene		M	2790	mg/kg	0.50	6.5
Pyrene		M	2790	mg/kg	0.50	5.9
Butylbenzyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Benzo[a]anthracene		M	2790	mg/kg	0.50	6.0
Chrysene		M	2790	mg/kg	0.50	5.3
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50	< 0.50

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:				25-06659
Quotation No.: Q25-37114		Chemtest Sample ID.:				1938980
Order No.: HM-13089/0002		Client Sample Ref.:				Coal Tar Query
		Sample Location:				Rem Area 1
		Sample Type:				SOIL
		Date Sampled:				24-Feb-2025
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Benzo[b]fluoranthene		M	2790	mg/kg	0.50	6.4
Benzo[k]fluoranthene		M	2790	mg/kg	0.50	2.2
Benzo[a]pyrene		M	2790	mg/kg	0.50	6.7
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50	2.9
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50	0.86
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50	3.5
Naphthalene		M	2800	mg/kg	0.10	490
Acenaphthylene		N	2800	mg/kg	0.10	20
Acenaphthene		M	2800	mg/kg	0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	22
Phenanthrene		M	2800	mg/kg	0.10	75
Anthracene		M	2800	mg/kg	0.10	21
Fluoranthene		M	2800	mg/kg	0.10	35
Pyrene		M	2800	mg/kg	0.10	26
Benzo[a]anthracene		M	2800	mg/kg	0.10	23
Chrysene		M	2800	mg/kg	0.10	22
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	23
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	7.0
Benzo[a]pyrene		M	2800	mg/kg	0.10	22
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	13
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	14
Total Of 16 PAH's		N	2800	mg/kg	2.0	810
Resorcinol		M	2920	mg/kg	0.020	< 0.020
Phenol		M	2920	mg/kg	0.020	< 0.020
Cresols		M	2920	mg/kg	0.020	< 0.020
1-Naphthol		N	2920	mg/kg	0.020	< 0.020
Trimethylphenols		M	2920	mg/kg	0.020	< 0.020
Catechols		M	2920	mg/kg	0.020	< 0.020
Xylenols & Ethylphenols		M	2920	mg/kg	0.020	< 0.020
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easily liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Amended Report

Report No.:	25-06659-2		
Initial Date of Issue:	25-Mar-2025	Date of Re-Issue:	17-Apr-2025
Re-Issue Details:	This report has been revised and directly supersedes 25-06659-1 in its entirety		
Client	Erith Contractors Ltd		
Client Address:	Erith House Queen Street Erith Kent DA8 1RP		
Contact(s):	James Hardy		
Project	R13089 Leaside Road		
Quotation No.:	Q25-37114	Date Received:	26-Feb-2025
Order No.:	HM-13089/0002	Date Instructed:	26-Feb-2025
No. of Samples:	1		
Turnaround (Wkdays):	9	Results Due:	10-Mar-2025
Date Approved:	17-Apr-2025		
Approved By:			

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:				25-06659
Quotation No.: Q25-37114		Chemtest Sample ID.:				1938980
Order No.: HM-13089/0002		Client Sample Ref.:				Coal Tar Query
		Sample Location:				Rem Area 1
		Sample Type:				SOIL
		Date Sampled:				24-Feb-2025
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
ACM Type		N	2192		N/A	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected
Moisture		N	2030	%	0.020	< 0.020
Stones and Removed Materials		N	2030	%	0.020	< 0.020
Soil Colour		N	2040		N/A	Black
Other Material		N	2040		N/A	None
Soil Texture		N	2040		N/A	Other
pH at 20C		M	2010		4.0	7.0
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	0.77
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	0.067
Sulphur (Elemental)		M	2180	mg/kg	1.0	I/S
Chloride (Extractable)		U	2220	mg/kg	20	400
Cyanide (Complex)		M	2300	mg/kg	0.50	32
Cyanide (Free)		M	2300	mg/kg	0.50	0.50
Cyanide (Total)		M	2300	mg/kg	0.50	33
Thiocyanate		M	2300	mg/kg	5.0	< 5.0
Ammonium (Extractable)		M	2425	mg/kg	0.50	3.8
Arsenic		M	2455	mg/kg	0.5	57
Cadmium		M	2455	mg/kg	0.10	0.30
Chromium		M	2455	mg/kg	0.5	58
Copper		M	2455	mg/kg	0.50	36
Mercury		M	2455	mg/kg	0.05	0.22
Nickel		M	2455	mg/kg	0.50	66
Lead		M	2455	mg/kg	0.50	60
Selenium		M	2455	mg/kg	0.25	2.4
Zinc		M	2455	mg/kg	0.50	130
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	0.24
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	1.1
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	1.6
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	2.7
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	0.92
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	3.9
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	1500
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	5900
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	2200
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	130
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	54

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:		25-06659	
Quotation No.: Q25-37114		Chemtest Sample ID.:		1938980	
Order No.: HM-13089/0002		Client Sample Ref.:		Coal Tar Query	
		Sample Location:		Rem Area 1	
		Sample Type:		SOIL	
		Date Sampled:		24-Feb-2025	
		Asbestos Lab:		DURHAM	
Determinand	HWOL Code	Accred.	SOP	Units	LOD
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00
LOI		M	2610	%	0.10
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10
Benzene		M	2760	mg/kg	0.0010
Toluene		M	2760	mg/kg	0.0010
Ethylbenzene		M	2760	mg/kg	0.0010
m & p-Xylene		M	2760	mg/kg	0.0010
o-Xylene		M	2760	mg/kg	0.0010
N-Nitrosodimethylamine		M	2790	mg/kg	0.50
Phenol		M	2790	mg/kg	0.50
2-Chlorophenol		N	2790	mg/kg	0.50
Bis-(2-Chloroethyl)Ether		M	2790	mg/kg	0.50
1,3-Dichlorobenzene		M	2790	mg/kg	0.50
1,4-Dichlorobenzene		N	2790	mg/kg	0.50
1,2-Dichlorobenzene		M	2790	mg/kg	0.50
2-Methylphenol		M	2790	mg/kg	0.50
Bis(2-Chloroisopropyl)Ether		N	2790	mg/kg	0.50
Hexachloroethane		N	2790	mg/kg	0.50
N-Nitrosodi-n-propylamine		M	2790	mg/kg	0.50
4-Methylphenol		M	2790	mg/kg	0.50
Nitrobenzene		N	2790	mg/kg	0.50
Isophorone		M	2790	mg/kg	0.50
2-Nitrophenol		N	2790	mg/kg	0.50

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:		25-06659		
Quotation No.: Q25-37114		Chemtest Sample ID.:		1938980		
Order No.: HM-13089/0002		Client Sample Ref.:		Coal Tar Query		
		Sample Location:		Rem Area 1		
		Sample Type:		SOIL		
		Date Sampled:		24-Feb-2025		
		Asbestos Lab:		DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
2,4-Dimethylphenol		N	2790	mg/kg	0.50	2.2
Bis(2-Chloroethoxy)Methane		M	2790	mg/kg	0.50	< 0.50
2,4-Dichlorophenol		N	2790	mg/kg	0.50	< 0.50
1,2,4-Trichlorobenzene		M	2790	mg/kg	0.50	< 0.50
Naphthalene		M	2790	mg/kg	0.50	57
4-Chloroaniline		N	2790	mg/kg	0.50	< 0.50
Hexachlorobutadiene		M	2790	mg/kg	0.50	< 0.50
4-Chloro-3-Methylphenol		N	2790	mg/kg	0.50	< 0.50
2-Methylnaphthalene		M	2790	mg/kg	0.50	14
4-Nitrophenol		N	2790	mg/kg	0.50	< 0.50
2,4,6-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50
2,4,5-Trichlorophenol		N	2790	mg/kg	0.50	< 0.50
2-Chloronaphthalene		M	2790	mg/kg	0.50	< 0.50
2-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Acenaphthylene		M	2790	mg/kg	0.50	3.7
Dimethylphthalate		M	2790	mg/kg	0.50	< 0.50
2,6-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50
Acenaphthene		M	2790	mg/kg	0.50	0.90
3-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Dibenzofuran		M	2790	mg/kg	0.50	3.0
4-Chlorophenylphenylether		M	2790	mg/kg	0.50	< 0.50
2,4-Dinitrotoluene		N	2790	mg/kg	0.50	< 0.50
Fluorene		M	2790	mg/kg	0.50	3.9
Diethyl Phthalate		M	2790	mg/kg	0.50	< 0.50
4-Nitroaniline		N	2790	mg/kg	0.50	< 0.50
Azobenzene		M	2790	mg/kg	0.50	< 0.50
4-Bromophenylphenyl Ether		M	2790	mg/kg	0.50	< 0.50
Hexachlorobenzene		M	2790	mg/kg	0.50	< 0.50
Phenanthrene		M	2790	mg/kg	0.50	14
Anthracene		M	2790	mg/kg	0.50	4.6
Carbazole		M	2790	mg/kg	0.50	< 0.50
Di-N-Butyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Fluoranthene		M	2790	mg/kg	0.50	6.5
Pyrene		M	2790	mg/kg	0.50	5.9
Butylbenzyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Benzo[a]anthracene		M	2790	mg/kg	0.50	6.0
Chrysene		M	2790	mg/kg	0.50	5.3
Bis(2-Ethylhexyl)Phthalate		N	2790	mg/kg	0.50	< 0.50

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:				25-06659
Quotation No.: Q25-37114		Chemtest Sample ID.:				1938980
Order No.: HM-13089/0002		Client Sample Ref.:				Coal Tar Query
		Sample Location:				Rem Area 1
		Sample Type:				SOIL
		Date Sampled:				24-Feb-2025
		Asbestos Lab:				DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Di-N-Octyl Phthalate		N	2790	mg/kg	0.50	< 0.50
Benzo[b]fluoranthene		M	2790	mg/kg	0.50	6.4
Benzo[k]fluoranthene		M	2790	mg/kg	0.50	2.2
Benzo[a]pyrene		M	2790	mg/kg	0.50	6.7
Indeno(1,2,3-c,d)Pyrene		N	2790	mg/kg	0.50	2.9
Dibenz(a,h)Anthracene		N	2790	mg/kg	0.50	0.86
Benzo[g,h,i]perylene		M	2790	mg/kg	0.50	3.5
Naphthalene		M	2800	mg/kg	0.10	490
Acenaphthylene		N	2800	mg/kg	0.10	20
Acenaphthene		M	2800	mg/kg	0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	22
Phenanthrene		M	2800	mg/kg	0.10	75
Anthracene		M	2800	mg/kg	0.10	21
Fluoranthene		M	2800	mg/kg	0.10	35
Pyrene		M	2800	mg/kg	0.10	26
Benzo[a]anthracene		M	2800	mg/kg	0.10	23
Chrysene		M	2800	mg/kg	0.10	22
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	23
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	7.0
Benzo[a]pyrene		M	2800	mg/kg	0.10	22
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	13
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	14
Total Of 16 PAH's		N	2800	mg/kg	2.0	810
Resorcinol		M	2920	mg/kg	0.020	< 0.020
Phenol		M	2920	mg/kg	0.020	< 0.020
Cresols		M	2920	mg/kg	0.020	< 0.020
1-Naphthol		N	2920	mg/kg	0.020	< 0.020
Trimethylphenols		M	2920	mg/kg	0.020	< 0.020
Catechols		M	2920	mg/kg	0.020	< 0.020
Xylenols & Ethylphenols		M	2920	mg/kg	0.020	< 0.020
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easily liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Amended Report

Report No.:	25-06999-2		
Initial Date of Issue:	21-Mar-2025	Date of Re-Issue:	16-Apr-2025
Re-Issue Details:	This report has been revised and directly supersedes 25-06999-1 in its entirety		
Client	Erith Contractors Ltd		
Client Address:	Erith House Queen Street Erith Kent DA8 1RP		
Contact(s):	James Hardy		
Project	R13089 Leaside Road, Tottenham, N17 0SG		
Quotation No.:	Q25-37114	Date Received:	28-Feb-2025
Order No.:	HM-13089/0002	Date Instructed:	28-Feb-2025
No. of Samples:	4		
Turnaround (Wkdays):	21	Results Due:	28-Mar-2025
Date Approved:	16-Apr-2025		
Approved By:			
Details:	David Smith, Technical Director		

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd	Chemtest Job No.:					25-06999	25-06999	25-06999	25-06999
Quotation No.: Q25-37114	Chemtest Sample ID.:					1940217	1940218	1940219	1940220
Order No.: HM-13089/0002	Client Sample Ref.:					West Batter	Base	North West Batter	Base
	Client Sample ID.:					B8	B8	C8	C8
	Sample Location:					Rem Area 1	Rem Area 1	Rem Area 1	Rem Area 1
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					26-Feb-2025	26-Feb-2025	25-Feb-2025	25-Feb-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Ammonium	U	1220	10:1	mg/l	0.050	0.061	< 0.050	0.096	< 0.050
Cyanide (Total)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.018
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0090
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001	0.027
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	6.8
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	2.3
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.29
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	9.4
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	< 0.010	< 0.010	9.4
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.85
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0084
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0097
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.011
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.012
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.010
Fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0022
Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0044
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0060
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0047
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	< 0.0020	< 0.0020	< 0.0020	0.91

Results - Leachate

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd	Chemtest Job No.:					25-06999	25-06999	25-06999	25-06999
Quotation No.: Q25-37114	Chemtest Sample ID.:					1940217	1940218	1940219	1940220
Order No.: HM-13089/0002	Client Sample Ref.:					West Batter	Base	North West Batter	Base
	Client Sample ID.:					B8	B8	C8	C8
	Sample Location:					Rem Area 1	Rem Area 1	Rem Area 1	Rem Area 1
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					26-Feb-2025	26-Feb-2025	25-Feb-2025	25-Feb-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.0036	> 10000
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	> 10000
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	> 10000
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	> 10000
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	> 10000
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	2.3

Results - Soil

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd		Chemtest Job No.:		25-06999	25-06999	25-06999	25-06999
Quotation No.: Q25-37114		Chemtest Sample ID.:		1940217	1940218	1940219	1940220
Order No.: HM-13089/0002		Client Sample Ref.:		West Batter	Base	North West Batter	Base
		Client Sample ID.:		B8	B8	C8	C8
		Sample Location:		Rem Area 1	Rem Area 1	Rem Area 1	Rem Area 1
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Date Sampled:		26-Feb-2025	26-Feb-2025	25-Feb-2025	25-Feb-2025
		Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		N	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	23	17
Soil Colour		N	2040		N/A	Brown	Brown
Other Material		N	2040		N/A	Stones and Roots	None
Soil Texture		N	2040		N/A	Loam	Clay
Cyanide (Total)		M	2300	mg/kg	0.50	27	2.6
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	< 0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	< 2.0	< 2.0
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	69	1.9
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	250	19
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	170	< 3.0
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	13	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	490	23
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	500	23
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	100	3.1
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	320	15
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	200	260
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	45	21
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	620	280
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	660	300
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	1100	300
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	1200	330

Results - Soil

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd		Chemtest Job No.:				25-06999	25-06999	25-06999	25-06999
Quotation No.: Q25-37114		Chemtest Sample ID.:				1940217	1940218	1940219	1940220
Order No.: HM-13089/0002		Client Sample Ref.:				West Batter	Base	North West Batter	Base
		Client Sample ID.:				B8	B8	C8	C8
		Sample Location:				Rem Area 1	Rem Area 1	Rem Area 1	Rem Area 1
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Date Sampled:				26-Feb-2025	26-Feb-2025	25-Feb-2025	25-Feb-2025
		Asbestos Lab:				NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Benzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	> 10000
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	> 10000
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	> 10000
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	> 10000
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	> 10000
Naphthalene		M	2800	mg/kg	0.10	< 0.10	< 0.10	240	1.7
Acenaphthylene		N	2800	mg/kg	0.10	< 0.10	< 0.10	2.6	< 0.10
Acenaphthene		M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	< 0.10	< 0.10	2.1	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	0.20	< 0.10	7.5	< 0.10
Anthracene		M	2800	mg/kg	0.10	0.24	< 0.10	2.3	< 0.10
Fluoranthene		M	2800	mg/kg	0.10	0.48	0.29	5.8	0.15
Pyrene		M	2800	mg/kg	0.10	1.1	0.27	8.1	0.19
Benzo[a]anthracene		M	2800	mg/kg	0.10	1.5	< 0.10	5.8	< 0.10
Chrysene		M	2800	mg/kg	0.10	1.5	< 0.10	5.8	< 0.10
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	2.1	< 0.10	5.6	< 0.10
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	0.77	< 0.10	2.1	< 0.10
Benzo[a]pyrene		M	2800	mg/kg	0.10	2.5	< 0.10	6.6	< 0.10
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	1.2	< 0.10	3.3	< 0.10
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	0.40	< 0.10	0.90	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	1.6	< 0.10	3.7	< 0.10
Total Of 16 PAH's		N	2800	mg/kg	2.0	14	< 2.0	300	2.0
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	61

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB	Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM	Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - The required amount of sample for analysis was not received

H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-18412-1

Initial Date of Issue: 20-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: *Q25-37114*

Date Received: 04-Jun-2025

Order No.: *HM-13089/0002*

Date Instructed: 04-Jun-2025

No. of Samples: *1*

Turnaround (Wkdays): *8*

Results Due: 13-Jun-2025

Date Approved: 20-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:		25-18412		
Quotation No.: Q25-37114		Chemtest Sample ID.:		1981846		
		<i>Client Sample ID.:</i>		77		
		<i>Client Reference:</i>		Concrete Stockpile 004		
		<i>Sample Type:</i>		SOIL		
		<i>Date Sampled:</i>		02-Jun-2025		
Determinand	Accred.	SOP	Type	Units	LOD	
Ammonium	U	1220	10:1	mg/l	0.050	< 0.050
Cyanide (Total)	U	1300	10:1	mg/l	0.050	< 0.050
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010
Fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010
Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	< 0.0020

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.: 25-18412					
Quotation No.: Q25-37114	Chemtest Sample ID.: 1981846					
	<i>Client Sample ID.:</i> 77					
	<i>Client Reference:</i> Concrete Stockpile 004					
	<i>Sample Type:</i> SOIL					
	<i>Date Sampled:</i> 02-Jun-2025					
Determinand	Accred.	SOP	Type	Units	LOD	
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:		25-18412	
Quotation No.: Q25-37114		Chemtest Sample ID.:		1981846	
		Client Sample ID.:		77	
		Client Reference:		Concrete Stockpile 004	
		Sample Type:		SOIL	
		Date Sampled:		02-Jun-2025	
		Asbestos Lab:		DURHAM	
Determinand	HWOL Code	Accred.	SOP	Units	LOD
ACM Type		N	2192		N/A
Asbestos Identification		U	2192		N/A
Moisture		N	2030	%	0.020
Soil Colour		N	2030		N/A
Other Material		N	2030		N/A
Soil Texture		N	2030		N/A
Cyanide (Total)		M	2300	mg/kg	0.50
Ammonium (Water Soluble)		M	2220	g/l	0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00
Benzene		M	2760	µg/kg	1.0

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:		25-18412		
Quotation No.: Q25-37114		Chemtest Sample ID.:		1981846		
		Client Sample ID.:		77		
		Client Reference:		Concrete Stockpile 004		
		Sample Type:		SOIL		
		Date Sampled:		02-Jun-2025		
		Asbestos Lab:		DURHAM		
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Toluene		M	2760	µg/kg	1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	< 0.10
Acenaphthylene		N	2800	mg/kg	0.10	0.16
Acenaphthene		M	2800	mg/kg	0.10	< 0.10
Fluorene		M	2800	mg/kg	0.10	0.34
Phenanthrene		M	2800	mg/kg	0.10	2.0
Anthracene		M	2800	mg/kg	0.10	0.46
Fluoranthene		M	2800	mg/kg	0.10	1.1
Pyrene		M	2800	mg/kg	0.10	0.95
Benzo[a]anthracene		M	2800	mg/kg	0.10	0.29
Chrysene		M	2800	mg/kg	0.10	0.38
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	0.35
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	0.11
Benzo[a]pyrene		M	2800	mg/kg	0.10	0.16
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	0.16
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	< 0.10
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	0.16
Total Of 16 PAH's		N	2800	mg/kg	2.0	6.6
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-18413-1

Initial Date of Issue: 12-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: *Q25-37114*

Date Received: 04-Jun-2025

Order No.: *HM-R13089/0002*

Date Instructed: 04-Jun-2025

No. of Samples: *5*

Turnaround (Wkdays): *5*

Results Due: 10-Jun-2025

Date Approved: 12-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-18413	25-18413	25-18413	25-18413	25-18413
Quotation No.: Q25-37114	Chemtest Sample ID.:					1981847	1981848	1981849	1981850	1981851
	Client Sample ID.:					78	79	80	81	82
	Client Reference:					Pylon West	Pylon South West	Pylon South East	Pylon East	Pylon Central
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD					
pH at 20C	U	1010	10:1		4.0	7.4	7.9	7.6	7.9	8.2
Electrical Conductivity at 25C	U	1020	10:1	µS/cm	1.0	1400	660	800	850	1700
Chloride	U	1220	10:1	mg/l	1.0	6.9	1.6	7.8	< 1.0	6.5
Ammonium	U	1220	10:1	mg/l	0.050	1.6	0.55	0.43	0.066	0.64
Sulphate	U	1220	10:1	mg/l	1.0	800	300	430	440	1100
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.61	0.70	0.30	0.10	0.22
Cyanide (Free)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Thiocyanate	U	1300	10:1	mg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Complex)	U	1300	10:1	mg/l	0.050	0.61	0.70	0.30	0.10	0.22
Sulphide	N	1325	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Arsenic (Dissolved)	U	1455	10:1	µg/l	0.20	10	9.8	5.2	15	13
Cadmium (Dissolved)	U	1455	10:1	µg/l	0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
Chromium (Dissolved)	U	1455	10:1	µg/l	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Copper (Dissolved)	U	1455	10:1	µg/l	0.50	1.1	1.7	1.8	3.9	1.6
Mercury (Dissolved)	U	1455	10:1	µg/l	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (Dissolved)	U	1455	10:1	µg/l	0.50	2.2	2.1	2.2	2.2	3.8
Lead (Dissolved)	U	1455	10:1	µg/l	0.50	1.9	< 0.50	< 0.50	< 0.50	2.7
Selenium (Dissolved)	U	1455	10:1	µg/l	0.50	1.5	0.95	0.73	1.0	2.0
Zinc (Dissolved)	U	1455	10:1	µg/l	2.5	6.6	5.4	7.2	9.6	13
Iron (Dissolved)	N	1455	10:1	µg/l	5.0	340	330	130	34	110
Total Organic Carbon	U	1610	10:1	mg/l	2.0	7.8	5.4	4.1	4.5	5.6
Total TPH >C6-C40	U	1670	10:1	µg/l	10	1400	630	280	120	400
Benzene	U	1760	10:1	µg/l	1.0	3.8	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	U	1760	10:1	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	U	1760	10:1	µg/l	1.0	10	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene	U	1760	10:1	µg/l	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	U	1760	10:1	µg/l	1.0	9.2	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	U	1800	10:1	µg/l	0.10	210	4.4	0.46	9.0	0.92
Acenaphthylene	U	1800	10:1	µg/l	0.10	38	16	< 0.10	0.60	1.2
Acenaphthene	U	1800	10:1	µg/l	0.10	76	15	5.7	2.1	4.0
Fluorene	U	1800	10:1	µg/l	0.10	15	10	2.4	1.6	2.9
Phenanthrene	U	1800	10:1	µg/l	0.10	22	7.2	4.6	1.5	6.0
Anthracene	U	1800	10:1	µg/l	0.10	3.8	3.6	1.4	0.62	2.2
Fluoranthene	U	1800	10:1	µg/l	0.10	2.6	5.6	3.2	1.2	3.4
Pyrene	U	1800	10:1	µg/l	0.10	2.4	3.7	2.4	1.4	2.7
Benzo[a]anthracene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-18413	25-18413	25-18413	25-18413	25-18413
Quotation No.: Q25-37114	Chemtest Sample ID.:					1981847	1981848	1981849	1981850	1981851
	Client Sample ID.:					78	79	80	81	82
	Client Reference:					Pylon West	Pylon South West	Pylon South East	Pylon East	Pylon Central
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD					
Benzo[a]pyrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	1800	10:1	µg/l	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	U	1800	10:1	µg/l	2.0	370	66	20	18	23
Resorcinol	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Phenol	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Cresols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Xylenols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
1-Naphthol	N	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Trimethylphenols	U	1920	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-18413	25-18413	25-18413	25-18413	25-18413
Quotation No.: Q25-37114		Chemtest Sample ID.:				1981847	1981848	1981849	1981850	1981851
		Client Sample ID.:				78	79	80	81	82
		Client Reference:				Pylon West	Pylon South West	Pylon South East	Pylon East	Pylon Central
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
ACM Type		N	2192		N/A	Insulation	-	Insulation	Insulation	Fibres/Clumps
Asbestos Identification		U	2192		N/A	Amosite Chrysotile	No Asbestos Detected	Amosite Chrysotile	Amosite Chrysotile	Crocidolite
Asbestos by Gravimetry		U	2192	%	0.001	0.035		0.007	0.42	<0.001
Total Asbestos		U	2192	%	0.001	0.035		0.007	0.42	<0.001
Moisture		N	2030	%	0.020	22	12	12	14	12
Stones and Removed Materials		N	2030	%	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Soil Colour		N	2030		N/A	Black	Brown	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones, Roots, Glass and	Stones, Roots and	Stones, and Roots	Stones and	Stones and
Soil Texture		N	2030		N/A	Sand	Sand	Sand	Sand	Sand
pH at 20C		M	2010		4.0	8.3	8.8	8.5	8.4	8.4
Boron (Hot Water Soluble)		M	2120	mg/kg	0.40	4.4	1.0	1.8	1.6	2.5
Sulphate (2:1 Water Soluble) as SO4		M	2120	g/l	0.010	1.9	1.0	1.6	1.1	1.9
Sulphur (Elemental)		M	2180	mg/kg	1.0	1800	340	290	18	170
Chloride (Extractable)		U	2220	mg/kg	20	150	32	72	22	80
Cyanide (Complex)		M	2300	mg/kg	0.50	89	110	74	33	66
Cyanide (Free)		M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cyanide (Total)		M	2300	mg/kg	0.50	89	110	74	33	66
Thiocyanate		M	2300	mg/kg	5.0	9.9	< 5.0	< 5.0	< 5.0	< 5.0
Ammonium (Extractable)		M	2425	mg/kg	0.50	66	19	21	5.1	16
Arsenic		M	2455	mg/kg	0.5	30	18	19	150	47
Cadmium		M	2455	mg/kg	0.10	0.69	0.47	0.44	0.87	0.60
Chromium		M	2455	mg/kg	0.5	20	8.4	12	92	17
Copper		M	2455	mg/kg	0.50	210	40	42	110	51
Mercury		M	2455	mg/kg	0.05	0.92	0.96	0.37	0.57	0.55
Nickel		M	2455	mg/kg	0.50	41	14	21	88	16
Lead		M	2455	mg/kg	0.50	630	120	140	370	280
Selenium		M	2455	mg/kg	0.25	1.2	0.88	0.61	1.4	1.2
Zinc		M	2455	mg/kg	0.50	370	70	110	770	270
LOI		M	2610	%	0.10	21	7.5	6.2	8.0	7.8
Total TPH >C6-C40	EH_1D_Total	U	2670	mg/kg	10	5600	2600	2300	1100	1600
Benzene		M	2760	mg/kg	0.0010	0.012	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene		M	2760	mg/kg	0.0010	0.0034	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene		M	2760	mg/kg	0.0010	0.12	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene		M	2760	mg/kg	0.0010	0.081	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene		M	2760	mg/kg	0.0010	0.12	< 0.0010	< 0.0010	< 0.0010	< 0.0010

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-18413	25-18413	25-18413	25-18413	25-18413
Quotation No.: Q25-37114		Chemtest Sample ID.:				1981847	1981848	1981849	1981850	1981851
		Client Sample ID.:				78	79	80	81	82
		Client Reference:				Pylon West	Pylon South West	Pylon South East	Pylon East	Pylon Central
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025	02-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Naphthalene		M	2800	mg/kg	0.10	14	2.5	1.8	1.1	1.4
Acenaphthylene		N	2800	mg/kg	0.10	16	6.1	4.2	2.0	4.1
Acenaphthene		M	2800	mg/kg	0.10	27	2.9	1.7	0.28	1.5
Fluorene		M	2800	mg/kg	0.10	12	3.7	2.6	0.66	2.6
Phenanthrene		M	2800	mg/kg	0.10	60	22	15	4.9	14
Anthracene		M	2800	mg/kg	0.10	16	9.9	7.1	1.7	6.0
Fluoranthene		M	2800	mg/kg	0.10	43	45	33	13	28
Pyrene		M	2800	mg/kg	0.10	47	40	31	11	26
Benzo[a]anthracene		M	2800	mg/kg	0.10	17	22	15	7.3	16
Chrysene		M	2800	mg/kg	0.10	16	21	14	7.5	15
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	20	32	23	11	23
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	7.6	11	7.6	3.9	7.9
Benzo[a]pyrene		M	2800	mg/kg	0.10	19	28	21	9.4	20
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	12	20	14	6.5	13
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	2.6	3.4	2.1	1.2	2.5
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	12	18	13	5.9	12
Total Of 16 PAH's		N	2800	mg/kg	2.0	340	290	210	87	190
Resorcinol		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Phenol		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Cresols		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
1-Naphthol		N	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Trimethylphenols		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Catechols		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Xylenols & Ethylphenols		M	2920	mg/kg	0.020	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	RE PW TE TS PL DW GW
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity at 25°C and Total Dissolved Solids (TDS) in Waters	Conductivity Meter	TE LE SW GW
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1325	Sulphide in Waters	Sulphides	Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using N,N-dimethyl-pphenylenediamine.	PL LE GW
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).	RE PW PL SW DW GW
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation	PL SW GW
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	PL GW
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	PL GW
1800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-MS	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenzo[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Pentane extraction / GCMS detection	PL GW SW
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES	
2180	Sulphur (Elemental) in Soils by HPLC	Sulphur	Dichloromethane extraction / HPLC with UV detection	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.	
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.	
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
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I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-18874-1

Initial Date of Issue: 19-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham,
N17 0SG*

Quotation No.: Q25-37114

Date Received: 06-Jun-2025

Order No.: HM-13089/0002

Date Instructed: 06-Jun-2025

No. of Samples: 2

Turnaround (Wkdays): 5

Results Due: 12-Jun-2025

Date Approved: 19-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd	Chemtest Job No.:					25-18874	25-18874
Quotation No.: Q25-37114	Chemtest Sample ID.:					1983514	1983515
Order No.: HM-13089/0002	Client Sample Ref.:					West Batter	Base
	Client Sample ID.:					Grid B13	Grid B13
	Client Reference:					Pylon Base Excavation	Pylon Base Excavation
	Sample Type:					SOIL	SOIL
	Top Depth (m):					0.00	0.00
	Bottom Depth (m):					1.70	1.70
	Date Sampled:					04-Jun-2025	04-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD		
Ammonium	U	1220	10:1	mg/l	0.050	0.31	0.33
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.18	0.17
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	< 0.0050
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	< 0.010
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0018
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.019
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.015
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0039
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.00088
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0028
Fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0029
Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0029
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0016
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	0.00018
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010

Results - Leachate

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd	Chemtest Job No.:					25-18874	25-18874
Quotation No.: Q25-37114	Chemtest Sample ID.:					1983514	1983515
Order No.: HM-13089/0002	Client Sample Ref.:					West Batter	Base
	Client Sample ID.:					Grid B13	Grid B13
	Client Reference:					Pylon Base Excavation	Pylon Base Excavation
	Sample Type:					SOIL	SOIL
	Top Depth (m):					0.00	0.00
	Bottom Depth (m):					1.70	1.70
	Date Sampled:					04-Jun-2025	04-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD		
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	< 0.0020	0.051
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030

Results - Soil

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd		Chemtest Job No.:		25-18874	25-18874
Quotation No.: Q25-37114		Chemtest Sample ID.:		1983514	1983515
Order No.: HM-13089/0002		Client Sample Ref.:		West Batter	Base
		Client Sample ID.:		Grid B13	Grid B13
		Client Reference:		Pylon Base Excavation	Pylon Base Excavation
		Sample Type:		SOIL	SOIL
		Top Depth (m):		0.00	0.00
		Bottom Depth (m):		1.70	1.70
		Date Sampled:		04-Jun-2025	04-Jun-2025
		Asbestos Lab:		DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD
ACM Type		N	2192		N/A
Asbestos Identification		U	2192		N/A
Moisture		N	2030	%	0.020
Soil Colour		N	2030		N/A
Other Material		N	2030		N/A
Soil Texture		N	2030		N/A
Cyanide (Total)		M	2300	mg/kg	0.50
Ammonium (Water Soluble)		M	2220	g/l	0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50

Results - Soil

Project: R13089 Leaside Road, Tottenham, N17 0SG

Client: Erith Contractors Ltd		Chemtest Job No.:				25-18874	25-18874
Quotation No.: Q25-37114		Chemtest Sample ID.:				1983514	1983515
Order No.: HM-13089/0002		Client Sample Ref.:				West Batter	Base
		Client Sample ID.:				Grid B13	Grid B13
		Client Reference:				Pylon Base Excavation	Pylon Base Excavation
		Sample Type:				SOIL	SOIL
		Top Depth (m):				0.00	0.00
		Bottom Depth (m):				1.70	1.70
		Date Sampled:				04-Jun-2025	04-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	3700	900
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	4100	970
Benzene		M	2760	µg/kg	1.0	< 1.0	3.5
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	3.1	7.4
Naphthalene		M	2800	mg/kg	0.10	1.4	1.1
Acenaphthylene		N	2800	mg/kg	0.10	3.0	3.0
Acenaphthene		M	2800	mg/kg	0.10	8.8	1.6
Fluorene		M	2800	mg/kg	0.10	7.3	1.8
Phenanthrene		M	2800	mg/kg	0.10	21	8.1
Anthracene		M	2800	mg/kg	0.10	11	2.9
Fluoranthene		M	2800	mg/kg	0.10	50	11
Pyrene		M	2800	mg/kg	0.10	40	11
Benzo[a]anthracene		M	2800	mg/kg	0.10	24	4.0
Chrysene		M	2800	mg/kg	0.10	22	3.5
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	34	4.4
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	12	1.5
Benzo[a]pyrene		M	2800	mg/kg	0.10	29	4.0
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	18	2.2
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	3.4	0.37
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	16	2.0
Total Of 16 PAH's		N	2800	mg/kg	2.0	300	63
Total Phenols		M	2920	mg/kg	0.10	< 0.10	1.3

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

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Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

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As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
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Clean Up Codes

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MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19251-1

Initial Date of Issue: 19-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: Q25-37114

Date Received: 11-Jun-2025

Order No.: HM-R13089/0002

Date Instructed: 11-Jun-2025

No. of Samples: 4

Turnaround (Wkdays): 5

Results Due: 17-Jun-2025

Date Approved: 19-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.: 25-19251					25-19251	25-19251	25-19251	25-19251
Quotation No.: Q25-37114	Chemtest Sample ID.: 1984807					1984807	1984808	1984809	1984810
Order No.: HM-R13089/0002	Client Sample Ref.: Batter					Batter	Base	Batter	Base
	Client Sample ID.: Grid B14					Grid B14	Grid B14	Grid B15	Grid B15
	Client Reference: Pylon Base Excavationm					Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm
	Sample Type: SOIL					SOIL	SOIL	SOIL	SOIL
	Top Depth (m): 0					0	0	0	0
	Bottom Depth (m): 1.7					1.7	1.7	1.7	1.7
	Date Sampled: 10-Jun-2025					10-Jun-2025	10-Jun-2025	10-Jun-2025	10-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Ammonium	U	1220	10:1	mg/l	0.050	2.9	1.5	0.66	0.45
Cyanide (Total)	U	1300	10:1	mg/l	0.050	< 0.050	< 0.050	< 0.050	< 0.050
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	0.087	< 0.00010	< 0.00010
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	0.23	< 0.00010	< 0.00010
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	0.36	< 0.00010	0.016
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.081
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.11
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	0.68	< 0.0050	0.21
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	0.68	< 0.010	0.21
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.029	0.0060	0.00048
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.11	0.0036	0.012
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.042	0.0083	0.019
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.025	0.0027	0.0014
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0022	0.0043	0.0026
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0082	0.0041	0.0049
Fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.010	0.034	0.033
Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.015	0.036	0.032
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	0.0062	0.013	0.011
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	0.0036	0.010	0.0074
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.018	0.015
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.0083	0.0060
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.015	0.013
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.010	0.0090
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.0038	0.0054

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19251	25-19251	25-19251	25-19251
Quotation No.: Q25-37114	Chemtest Sample ID.:					1984807	1984808	1984809	1984810
Order No.: HM-R13089/0002	Client Sample Ref.:					Batter	Base	Batter	Base
	Client Sample ID.:					Grid B14	Grid B14	Grid B15	Grid B15
	Client Reference:					Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0	0	0	0
	Bottom Depth (m):					1.7	1.7	1.7	1.7
	Date Sampled:					10-Jun-2025	10-Jun-2025	10-Jun-2025	10-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.0095	0.0093
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	< 0.0020	0.25	0.19	0.18
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.0016	< 0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.0054	0.0012	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	< 0.030

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19251	25-19251	25-19251	25-19251
Quotation No.: Q25-37114		Chemtest Sample ID.:				1984807	1984808	1984809	1984810
Order No.: HM-R13089/0002		Client Sample Ref.:				Batter	Base	Batter	Base
		Client Sample ID.:				Grid B14	Grid B14	Grid B15	Grid B15
		Client Reference:				Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0	0	0	0
		Bottom Depth (m):				1.7	1.7	1.7	1.7
		Date Sampled:				10-Jun-2025	10-Jun-2025	10-Jun-2025	10-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
ACM Type		N	2192		N/A	Fibres/Clumps, Thermal Insulation	-	-	-
Asbestos Identification		U	2192		N/A	Amosite Chrysotile	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	14	16	9.7	14
Soil Colour		N	2030		N/A	Black	Black	Black	Black
Other Material		N	2030		N/A	Stones, Roots and chalk	Stones and chalk	Stones	Stones
Soil Texture		N	2030		N/A	Sand	Sand	Sand	Sand
Cyanide (Total)		M	2300	mg/kg	0.50	180	240	93	69
Ammonium (Water Soluble)		M	2220	g/l	0.01	0.02	< 0.01	< 0.01	< 0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	28	11	3.4	2.1
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	240	48	21	7.9
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	450	84	34	18
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	510	76	70	47
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	240	42	22	< 10
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	1200	220	130	75
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	1500	260	150	75
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	17	12	< 1.0	< 1.0
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	220	120	86	33
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	370	200	410	280
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	410	140	1000	740
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	48	12	200	180
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	1000	480	1500	1100

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19251	25-19251	25-19251	25-19251
Quotation No.: Q25-37114		Chemtest Sample ID.:				1984807	1984808	1984809	1984810
Order No.: HM-R13089/0002		Client Sample Ref.:				Batter	Base	Batter	Base
		Client Sample ID.:				Grid B14	Grid B14	Grid B15	Grid B15
		Client Reference:				Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm	Pylon Base Excavationm
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0	0	0	0
		Bottom Depth (m):				1.7	1.7	1.7	1.7
		Date Sampled:				10-Jun-2025	10-Jun-2025	10-Jun-2025	10-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	1100	490	1700	1200
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	2300	700	1600	1100
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	2500	750	1900	1300
Benzene		M	2760	µg/kg	1.0	< 1.0	2.6	< 1.0	5.4
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	14	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	3.3	4.8	1.6	1.3
Acenaphthylene		N	2800	mg/kg	0.10	18	20	12	3.1
Acenaphthene		M	2800	mg/kg	0.10	3.6	9.0	15	5.4
Fluorene		M	2800	mg/kg	0.10	6.5	8.3	6.3	3.2
Phenanthrene		M	2800	mg/kg	0.10	24	32	40	23
Anthracene		M	2800	mg/kg	0.10	9.7	12	24	13
Fluoranthene		M	2800	mg/kg	0.10	46	51	140	110
Pyrene		M	2800	mg/kg	0.10	54	56	110	89
Benzo[a]anthracene		M	2800	mg/kg	0.10	15	21	51	48
Chrysene		M	2800	mg/kg	0.10	16	18	47	43
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	27	22	62	63
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	9.3	7.2	21	23
Benzo[a]pyrene		M	2800	mg/kg	0.10	26	21	51	54
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	16	12	30	34
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	2.4	2.1	6.3	6.9
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	15	11	29	30
Total Of 16 PAH's		N	2800	mg/kg	2.0	290	310	650	550
Total Phenols		M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and Trimethylphenols Note: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	Compliance Test for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19398-1

Initial Date of Issue: 20-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road*

Quotation No.: *Q25-37114*

Date Received: 12-Jun-2025

Order No.: *HM-13089/0002*

Date Instructed: 12-Jun-2025

No. of Samples: *5*

Turnaround (Wkdays): *5*

Results Due: 18-Jun-2025

Date Approved: 20-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19398	25-19398	25-19398	25-19398	25-19398
Quotation No.: Q25-37114	Chemtest Sample ID.:					1985335	1985336	1985337	1985338	1985339
Order No.: HM-13089/0002	Client Sample Ref.:					Batter	Batter	Batter	Batter	Base
	Client Sample ID.:					Grid A14	Grid A15	Grid A16	Grid B16	Grid B16
	Client Reference:					Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.00	0.00	0.00	0.00	0.00
	Bottom Depth (m):					1.70	1.70	1.70	1.70	1.70
	Date Sampled:					11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD					
Ammonium	U	1220	10:1	mg/l	0.050	0.41	0.29	0.25	0.54	0.39
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.11	0.090	0.52	0.12	0.12
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Phenanthrene	U	1700	10:1	mg/l	0.00010	0.0014	< 0.00010	0.0017	< 0.00010	< 0.00010
Anthracene	U	1700	10:1	mg/l	0.00010	0.0013	< 0.00010	0.0017	< 0.00010	< 0.00010
Fluoranthene	U	1700	10:1	mg/l	0.00010	0.0041	0.0016	0.011	0.0039	< 0.00010
Pyrene	U	1700	10:1	mg/l	0.00010	0.0064	0.0054	0.010	0.0085	< 0.00010
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	0.0046	< 0.00010	0.0035	0.0049	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	0.0024	< 0.00010	0.00075	0.0019	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	0.0043	< 0.00010	0.0032	0.0047	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	0.0018	< 0.00010	0.0018	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	0.0044	< 0.00010	0.0030	0.0068	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	0.0035	< 0.00010	0.0022	0.0043	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.0017	< 0.00010

Results - Leachate

Project: R13089 Leaside Road

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19398	25-19398	25-19398	25-19398	25-19398
Quotation No.: Q25-37114	Chemtest Sample ID.:					1985335	1985336	1985337	1985338	1985339
Order No.: HM-13089/0002	Client Sample Ref.:					Batter	Batter	Batter	Batter	Base
	Client Sample ID.:					Grid A14	Grid A15	Grid A16	Grid B16	Grid B16
	Client Reference:					Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.00	0.00	0.00	0.00	0.00
	Bottom Depth (m):					1.70	1.70	1.70	1.70	1.70
	Date Sampled:					11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD					
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	0.0044	< 0.00010	0.0032	0.0052	< 0.00010
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	0.039	0.0070	0.042	0.042	< 0.0020
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:		25-19398	25-19398	25-19398	25-19398	25-19398
Quotation No.: Q25-37114		Chemtest Sample ID.:		1985335	1985336	1985337	1985338	1985339
Order No.: HM-13089/0002		Client Sample Ref.:		Batter	Batter	Batter	Batter	Base
		Client Sample ID.:		Grid A14	Grid A15	Grid A16	Grid B16	Grid B16
		Client Reference:		Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.00	0.00	0.00	0.00	0.00
		Bottom Depth (m):		1.70	1.70	1.70	1.70	1.70
		Date Sampled:		11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
ACM Type		N	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification		U	2192		N/A	Chrysotile	Chrysotile	Chrysotile
Moisture		N	2030	%	0.020	12	13	12
Soil Colour		N	2030		N/A	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones and	Stones, Roots and	Stones and
Soil Texture		N	2030		N/A	Loam	Clay	Sand
Cyanide (Total)		M	2300	mg/kg	0.50	78	79	82
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	< 0.01	< 0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	11	5.5	8.8
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	76	52	63
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	110	100	120
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	300	300	310
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	120	81	110
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	500	460	510
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	610	540	620
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	15	8.4	16
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	130	110	120
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	290	340	220
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	570	700	430
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	110	150	130
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	1000	1200	790
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	1100	1300	920
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50

Results - Soil

Project: R13089 Leaside Road

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19398	25-19398	25-19398	25-19398	25-19398
Quotation No.: Q25-37114		Chemtest Sample ID.:				1985335	1985336	1985337	1985338	1985339
Order No.: HM-13089/0002		Client Sample Ref.:				Batter	Batter	Batter	Batter	Base
		Client Sample ID.:				Grid A14	Grid A15	Grid A16	Grid B16	Grid B16
		Client Reference:				Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation	Pylon Base Excavation
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):				0.00	0.00	0.00	0.00	0.00
		Bottom Depth (m):				1.70	1.70	1.70	1.70	1.70
		Date Sampled:				11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025	11-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD					
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	1500	1600	1300	1400	1600
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	1700	1800	1500	1500	1800
Benzene		M	2760	µg/kg	1.0	7.9	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	2.5	2.1	2.4	3.6	0.12
Acenaphthylene		N	2800	mg/kg	0.10	9.0	6.7	6.1	5.7	0.22
Acenaphthene		M	2800	mg/kg	0.10	2.4	2.7	1.9	1.9	< 0.10
Fluorene		M	2800	mg/kg	0.10	4.6	3.1	2.4	3.0	< 0.10
Phenanthrene		M	2800	mg/kg	0.10	27	25	15	15	1.3
Anthracene		M	2800	mg/kg	0.10	12	11	7.7	10	0.27
Fluoranthene		M	2800	mg/kg	0.10	54	56	42	37	3.7
Pyrene		M	2800	mg/kg	0.10	47	54	38	32	2.9
Benzo[a]anthracene		M	2800	mg/kg	0.10	25	24	20	18	1.1
Chrysene		M	2800	mg/kg	0.10	22	21	18	15	1.1
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	32	31	28	25	1.9
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	11	11	9.8	8.1	0.54
Benzo[a]pyrene		M	2800	mg/kg	0.10	29	28	25	22	1.8
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	17	17	15	13	1.8
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	3.2	3.1	3.1	2.7	0.28
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	16	17	14	12	1.8
Total Of 16 PAH's		N	2800	mg/kg	2.0	310	310	250	220	19
Total Phenols		M	2920	mg/kg	0.10	0.18	1.3	< 0.10	< 0.10	0.31

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Chemtest Sample ID	Clients Sample Ref:	Clients Sample ID:	Clients Reference:	Sampled Date:	Deviation Code(s):	Containers Received:
1985335	<i>Batter</i>	<i>Grid A14</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 250ml
1985335	<i>Batter</i>	<i>Grid A14</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 60ml
1985335	<i>Batter</i>	<i>Grid A14</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Plastic Tub 1000g
1985336	<i>Batter</i>	<i>Grid A15</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 250ml
1985336	<i>Batter</i>	<i>Grid A15</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 60ml
1985336	<i>Batter</i>	<i>Grid A15</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Plastic Tub 1000g
1985337	<i>Batter</i>	<i>Grid A16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 250ml
1985337	<i>Batter</i>	<i>Grid A16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 60ml
1985337	<i>Batter</i>	<i>Grid A16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Plastic Tub 1000g
1985338	<i>Batter</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 250ml
1985338	<i>Batter</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 60ml
1985338	<i>Batter</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Plastic Tub 1000g
1985339	<i>Base</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 250ml
1985339	<i>Base</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Amber Glass 60ml
1985339	<i>Base</i>	<i>Grid B16</i>	<i>Pylon Base Excavation</i>	<i>11-Jun-2025</i>	H	Plastic Tub 1000g

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19826-1

Initial Date of Issue: 30-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: *Q25-37114*

Date Received: 16-Jun-2025

Order No.: *HM-R13089/0002*

Date Instructed: 16-Jun-2025

No. of Samples: *3*

Turnaround (Wkdays): *5*

Results Due: 20-Jun-2025

Date Approved: 30-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19826	25-19826	25-19826
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986748	1986749	1986750
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C16 - Base	Grid C15 - Base	Grid C14 - Base
	Client Sample ID.:					107	108	109
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD			
Ammonium	U	1220	10:1	mg/l	0.050	6.9	5.8	15
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.12	< 0.050	< 0.050
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.064
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	2.0	0.18	2.5
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	3.8	0.45	2.9
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	1.5	0.13	5.1
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	0.042	< 0.00010	0.61
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	7.3	0.77	11
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	7.3	0.77	11
Naphthalene	U	1700	10:1	mg/l	0.00010	1.9	0.36	1.4
Acenaphthylene	U	1700	10:1	mg/l	0.00010	0.13	0.011	0.20
Acenaphthene	U	1700	10:1	mg/l	0.00010	0.080	0.031	0.42
Fluorene	U	1700	10:1	mg/l	0.00010	0.030	0.014	0.16
Phenanthrene	U	1700	10:1	mg/l	0.00010	0.024	0.013	0.18
Anthracene	U	1700	10:1	mg/l	0.00010	0.0058	0.0030	0.036
Fluoranthene	U	1700	10:1	mg/l	0.00010	0.0020	0.0025	0.022
Pyrene	U	1700	10:1	mg/l	0.00010	0.0050	0.0046	0.024
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19826	25-19826	25-19826
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986748	1986749	1986750
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C16 - Base	Grid C15 - Base	Grid C14 - Base
	Client Sample ID.:					107	108	109
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD			
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	2.2	0.44	2.5
Benzene	U	1760	10:1	mg/l	0.0010	0.31	0.038	0.030
Toluene	U	1760	10:1	mg/l	0.0010	0.041	0.029	0.068
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.023	0.011
m & p-Xylene	U	1760	10:1	mg/l	0.0010	0.24	0.10	0.16
o-Xylene	U	1760	10:1	mg/l	0.0010	0.30	0.24	0.18
Total Phenols	U	1920	10:1	mg/l	0.030	0.32	0.20	0.67

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19826	25-19826	25-19826
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986748	1986749	1986750
Order No.: HM-R13089/0002		Client Sample Ref.:				Grid C16 - Base	Grid C15 - Base	Grid C14 - Base
		Client Sample ID.:				107	108	109
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL
		Date Sampled:				13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
ACM Type		N	2192		N/A	-	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	31	18	15
Soil Colour		N	2030		N/A	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	None	Stones
Soil Texture		N	2030		N/A	Clay	Clay	Clay
Cyanide (Total)		M	2300	mg/kg	0.50	66	13	22
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	0.02	0.02
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	0.31	< 0.05	0.24
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	0.89	0.24	0.59
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	1.2	0.24	0.83
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	2.2	1.2	2.8
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	3.4	1.4	3.7
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	370	210	290
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	1300	520	1100
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	1400	410	860
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	470	150	350
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	220	93	190
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	3500	1300	2600
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	3700	1400	2800
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	1.9	< 0.05	0.56
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	0.28	< 0.05	0.45
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	7.2	4.4	8.1
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	9.4	4.4	9.1
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	2600	1300	1700
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	5900	3500	3700
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	4200	2500	2200
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	720	510	320
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	100	61	53
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	13000	7800	8000
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	13000	7800	8000
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	13	5.8	13
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	17000	9100	11000
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	17000	9200	11000

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19826	25-19826	25-19826
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986748	1986749	1986750
Order No.: HM-R13089/0002		Client Sample Ref.:				Grid C16 - Base	Grid C15 - Base	Grid C14 - Base
		Client Sample ID.:				107	108	109
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL
		Date Sampled:				13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD			
Benzene		M	2760	µg/kg	1.0	9400	34	2100
Toluene		M	2760	µg/kg	1.0	3000	160	4800
Ethylbenzene		M	2760	µg/kg	1.0	14000	> 10000	> 10000
m & p-Xylene		M	2760	µg/kg	1.0	25000	9000	> 10000
o-Xylene		M	2760	µg/kg	1.0	> 10000	> 10000	> 10000
Naphthalene		M	2800	mg/kg	0.10	920	210	120
Acenaphthylene		N	2800	mg/kg	0.10	270	59	35
Acenaphthene		M	2800	mg/kg	0.10	320	180	80
Fluorene		M	2800	mg/kg	0.10	210	95	47
Phenanthrene		M	2800	mg/kg	0.10	680	320	140
Anthracene		M	2800	mg/kg	0.10	190	94	40
Fluoranthene		M	2800	mg/kg	0.10	290	110	48
Pyrene		M	2800	mg/kg	0.10	360	130	60
Benzo[a]anthracene		M	2800	mg/kg	0.10	110	31	15
Chrysene		M	2800	mg/kg	0.10	100	28	14
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	96	22	11
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	32	7.4	3.6
Benzo[a]pyrene		M	2800	mg/kg	0.10	110	25	12
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	53	12	5.3
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	9.0	1.8	0.84
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	51	11	5.1
Total Of 16 PAH's		N	2800	mg/kg	2.0	3800	1300	640
Total Phenols		M	2920	mg/kg	0.10	13	7.3	8.0

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19829-1

Initial Date of Issue: 26-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: *Q25-37114*

Date Received: 16-Jun-2025

Order No.: *HM-R13089/0002*

Date Instructed: 16-Jun-2025

No. of Samples: *6*

Turnaround (Wkdays): *5*

Results Due: 20-Jun-2025

Date Approved: 26-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19829	25-19829	25-19829	25-19829	25-19829	25-19829
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986753	1986754	1986755	1986756	1986757	1986758
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C13-Batter	Grid D-13-Batter	Grid D14-Batter	Grid D15-Batter	Grid D16-Batter	Grid C16-Batter
	Client Sample ID.:					101	102	103	104	105	106
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD						
Ammonium	U	1220	10:1	mg/l	0.050	1.6	2.1	2.1	3.5	5.9	2.1
Cyanide (Total)	U	1300	10:1	mg/l	0.050	< 0.050	0.11	0.38	0.12	< 0.050	1.9
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.055	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.055	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.23	0.21	< 0.00010
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	1.6	1.5	< 0.00010
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	2.2	2.0	< 0.00010
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	1.2	1.1	< 0.00010
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	5.1	4.8	< 0.0050
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	< 0.010	< 0.010	5.1	4.8	< 0.010
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.0060	< 0.00010	1.1	< 0.00010
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.021	< 0.00010	0.11	< 0.00010
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.043	< 0.00010	0.12	< 0.00010
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.026	< 0.00010	0.041	< 0.00010
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.012	< 0.00010
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.012	< 0.00010
Fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.0044	< 0.00010
Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	0.0051	< 0.00010
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19829	25-19829	25-19829	25-19829	25-19829	25-19829
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986753	1986754	1986755	1986756	1986757	1986758
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C13-Batter	Grid D-13-Batter	Grid D14-Batter	Grid D15-Batter	Grid D16-Batter	Grid C16-Batter
	Client Sample ID.:					101	102	103	104	105	106
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD						
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	< 0.0020	< 0.0020	0.072	< 0.0020	1.4	< 0.0020
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.0048	< 0.0010	< 0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.062	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0013	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.0019	< 0.0010	0.0019	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	< 0.030	< 0.030	0.46	< 0.030

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19829	25-19829	25-19829	25-19829	25-19829	25-19829
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986753	1986754	1986755	1986756	1986757	1986758
Order No.: HM-R13089/0002		Client Sample Ref.:				Grid C13-Batter	Grid D-13-Batter	Grid D14-Batter	Grid D15-Batter	Grid D16-Batter	Grid C16-Batter
		Client Sample ID.:				101	102	103	104	105	106
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
ACM Type		N	2192		N/A	-	-	Loose Fibrous Asbestos Debris	Fibres/Clumps	-	Loose Fibrous Asbestos Debris
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected	Amosite Chrysotile Crocidolite	Amosite	No Asbestos Detected	Chrysotile Crocidolite
Moisture		N	2030	%	0.020	17	18	16	21	20	13
Soil Colour		N	2030		N/A	Brown	Brown	Brown	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones and Roots	Stones and Glass	Stones, Roots and tile	Stones and Glass	Stones and Glass	Stones
Soil Texture		N	2030		N/A	Sand	Sand	Sand	Sand	Sand	Sand
Cyanide (Total)		M	2300	mg/kg	0.50	380	310	120	430	14	110
Ammonium (Water Soluble)		M	2220	g/l	0.01	0.02	0.02	< 0.01	0.02	0.02	< 0.01
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.44	< 0.05
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.44	< 0.10
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	2.2	0.14
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	2.6	< 0.25
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	3.1	17	8.0	4.0	120	95
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	1.3	60	50	< 1.0	600	360
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	27	140	130	< 2.0	1000	280
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	10	110	72	28	500	100
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	< 10	31	27	< 10	220	85
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	42	330	260	34	2300	850
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	42	360	280	34	2500	930
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.69	< 0.05
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.69	< 0.25
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	< 1.0	30	9.9	< 1.0	350	460
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	17	160	110	< 1.0	1600	2000
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	79	310	270	9.8	1600	1600
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	34	240	380	30	330	340
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	4.7	120	94	14	52	55

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19829	25-19829	25-19829	25-19829	25-19829	25-19829
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986753	1986754	1986755	1986756	1986757	1986758
Order No.: HM-R13089/0002		Client Sample Ref.:				Grid C13-Batter	Grid D-13-Batter	Grid D14-Batter	Grid D15-Batter	Grid D16-Batter	Grid C16-Batter
		Client Sample ID.:				101	102	103	104	105	106
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:				13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD						
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	130	740	760	39	3900	4400
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	130	860	860	53	4000	4400
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.3	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	170	1100	1000	73	6200	5200
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	180	1200	1100	87	6500	5400
Benzene		M	2760	µg/kg	1.0	< 1.0	5.3	< 1.0	3.8	11	20
Toluene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.5	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.4	3.1
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.7	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.6	2.9
Naphthalene		M	2800	mg/kg	0.10	13	4.2	4.5	6.5	63	3.7
Acenaphthylene		N	2800	mg/kg	0.10	10	8.8	5.8	5.2	16	7.6
Acenaphthene		M	2800	mg/kg	0.10	12	8.0	3.4	4.4	91	4.7
Fluorene		M	2800	mg/kg	0.10	3.8	3.2	2.7	3.7	28	5.1
Phenanthrene		M	2800	mg/kg	0.10	27	22	16	20	93	14
Anthracene		M	2800	mg/kg	0.10	10	8.0	7.5	6.7	28	8.4
Fluoranthene		M	2800	mg/kg	0.10	37	31	35	27	54	31
Pyrene		M	2800	mg/kg	0.10	38	33	35	25	62	32
Benzo[a]anthracene		M	2800	mg/kg	0.10	17	14	18	12	18	15
Chrysene		M	2800	mg/kg	0.10	15	13	16	11	17	15
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	20	18	25	15	18	23
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	7.4	6.3	8.8	5.3	6.7	7.9
Benzo[a]pyrene		M	2800	mg/kg	0.10	16	14	20	12	18	21
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	10	9.0	13	7.6	10	13
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	2.5	1.5	2.8	1.4	1.6	2.3
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	9.9	8.6	13	6.9	10	12
Total Of 16 PAH's		N	2800	mg/kg	2.0	250	200	230	170	530	220
Total Phenols		M	2920	mg/kq	0.10	1.1	< 0.10	< 0.10	5.6	2.5	4.0

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Chemtest Sample ID	Clients Sample Ref:	Clients Sample ID:	Clients Reference:	Sampled Date:	Deviation Code(s):	Containers Received:
1986753	Grid C13-Batter	101	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986753	Grid C13-Batter	101	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986753	Grid C13-Batter	101	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986754	Grid D-13-Batter	102	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986754	Grid D-13-Batter	102	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986754	Grid D-13-Batter	102	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986755	Grid D14-Batter	103	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986755	Grid D14-Batter	103	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986755	Grid D14-Batter	103	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986756	Grid D15-Batter	104	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986756	Grid D15-Batter	104	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986756	Grid D15-Batter	104	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986757	Grid D16-Batter	105	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986757	Grid D16-Batter	105	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986757	Grid D16-Batter	105	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986758	Grid C16-Batter	106	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986758	Grid C16-Batter	106	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986758	Grid C16-Batter	106	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL

DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19833-1

Initial Date of Issue: 27-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Totteham*

Quotation No.: *Q25-37114*

Date Received: 16-Jun-2025

Order No.: *HM-R13089/0002*

Date Instructed: 16-Jun-2025

No. of Samples: *4*

Turnaround (Wkdays): *5*

Results Due: 20-Jun-2025

Date Approved: 27-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Totteham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19833	25-19833	25-19833	25-19833
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986762	1986763	1986764	1986765
Order No.: HM-R13089/0002	Client Sample Ref.:					Haz Soil Stockpile 001	Haz Soil Stockpile 002	Haz Soil Stockpile 003	Haz Soil Stockpile 004
	Client Sample ID.:					97	98	99	100
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					12-Jun-2025	12-Jun-2025	12-Jun-2025	12-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Ammonium	U	1220	10:1	mg/l	0.050	0.13	9.1	3.6	9.3
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.69	0.59	0.10	0.070
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.37
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	3.3
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	7.0
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	4.9
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.75
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.080
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	< 0.0050	< 0.0050	< 0.0050	16
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	< 0.010	< 0.010	< 0.010	16
Naphthalene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	2.1	20
Acenaphthylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.16	0.39
Acenaphthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.28	0.18
Fluorene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.083	0.11
Phenanthrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.10	0.13
Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	0.021	0.029
Fluoranthene	U	1700	10:1	mg/l	0.00010	0.0039	0.0027	0.016	0.014
Pyrene	U	1700	10:1	mg/l	0.00010	0.0070	0.0057	0.019	0.020
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010

Results - Leachate

Project: R13089 Leaside Road, Totteham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19833	25-19833	25-19833	25-19833
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986762	1986763	1986764	1986765
Order No.: HM-R13089/0002	Client Sample Ref.:					Haz Soil Stockpile 001	Haz Soil Stockpile 002	Haz Soil Stockpile 003	Haz Soil Stockpile 004
	Client Sample ID.:					97	98	99	100
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					12-Jun-2025	12-Jun-2025	12-Jun-2025	12-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	0.011	0.0084	2.8	21
Benzene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.012	0.023	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.0096	0.040
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.033	0.073
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	0.033	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.0010	0.10	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	< 0.030	< 0.030	0.092	3.9

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19833	25-19833	25-19833	25-19833
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986762	1986763	1986764	1986765
Order No.: HM-R13089/0002		Client Sample Ref.:				Haz Soil Stockpile 001	Haz Soil Stockpile 002	Haz Soil Stockpile 003	Haz Soil Stockpile 004
		Client Sample ID.:				97	98	99	100
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Date Sampled:				12-Jun-2025	12-Jun-2025	12-Jun-2025	12-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
ACM Type		N	2192		N/A	-	Loose Fibrous Asbestos Debris	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	Amosite Chrysotile	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	6.2	25	23	23
Soil Colour		N	2030		N/A	Brown	Brown	Brown	Brown
Other Material		N	2030		N/A	Stones	Stones	Stones	Stones
Soil Texture		N	2030		N/A	Sand	Sand	Sand	Clay
Cyanide (Total)		M	2300	mg/kg	0.50	160	2400	21	100
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	< 0.01	0.01	0.02
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.23
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	1.3
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05	0.39	3.8
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	< 0.10	0.39	5.1
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	0.20	4.1	14
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	< 0.25	< 0.25	4.5	19
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	37	37	360	290
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	230	120	990	840
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	450	270	700	510
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	210	1400	280	230
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	62	580	190	140
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	930	1800	2300	1900
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	990	2400	2500	2000
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	0.73
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	< 0.05	3.3
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	< 0.05	5.5	25
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	< 0.25	5.5	30
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	32	81	1800	2400
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	300	260	6000	4800
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	340	490	4300	2900
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	130	460	970	780
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	180	39	92	76
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	810	1300	13000	11000

Results - Soil

Project: R13089 Leaside Road, Totteham

Client: Erith Contractors Ltd		Chemtest Job No.:	25-19833	25-19833	25-19833	25-19833
Quotation No.: Q25-37114		Chemtest Sample ID.:	1986762	1986763	1986764	1986765
Order No.: HM-R13089/0002		Client Sample Ref.:	Haz Soil Stockpile 001	Haz Soil Stockpile 002	Haz Soil Stockpile 003	Haz Soil Stockpile 004
		Client Sample ID.:	97	98	99	100
		Client Reference:	Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:	SOIL	SOIL	SOIL	SOIL
		Date Sampled:	12-Jun-2025	12-Jun-2025	12-Jun-2025	12-Jun-2025
		Asbestos Lab:	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD	
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	990
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	1700
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	2000
Benzene		M	2760	µg/kg	1.0	10
Toluene		M	2760	µg/kg	1.0	< 1.0
Ethylbenzene		M	2760	µg/kg	1.0	< 1.0
m & p-Xylene		M	2760	µg/kg	1.0	< 1.0
o-Xylene		M	2760	µg/kg	1.0	< 1.0
Naphthalene		M	2800	mg/kg	0.10	5.9
Acenaphthylene		N	2800	mg/kg	0.10	8.2
Acenaphthene		M	2800	mg/kg	0.10	7.3
Fluorene		M	2800	mg/kg	0.10	4.8
Phenanthrene		M	2800	mg/kg	0.10	24
Anthracene		M	2800	mg/kg	0.10	12
Fluoranthene		M	2800	mg/kg	0.10	54
Pyrene		M	2800	mg/kg	0.10	51
Benzo[a]anthracene		M	2800	mg/kg	0.10	25
Chrysene		M	2800	mg/kg	0.10	22
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	34
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	12
Benzo[a]pyrene		M	2800	mg/kg	0.10	29
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	19
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	3.3
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	17
Total Of 16 PAH's		N	2800	mg/kg	2.0	330
Total Phenols		M	2920	mg/kg	0.10	< 0.10

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Chemtest Sample ID	Clients Sample Ref:	Clients Sample ID:	Clients Reference:	Sampled Date:	Deviation Code(s):	Containers Received:
1986762	Haz Soil Stockpile 001	97	Pylon Excavation	12-Jun-2025	H	Amber Glass 250ml
1986762	Haz Soil Stockpile 001	97	Pylon Excavation	12-Jun-2025	H	Amber Glass 60ml
1986762	Haz Soil Stockpile 001	97	Pylon Excavation	12-Jun-2025	H	Plastic Tub 1000g
1986763	Haz Soil Stockpile 002	98	Pylon Excavation	12-Jun-2025	H	Amber Glass 250ml
1986763	Haz Soil Stockpile 002	98	Pylon Excavation	12-Jun-2025	H	Amber Glass 60ml
1986763	Haz Soil Stockpile 002	98	Pylon Excavation	12-Jun-2025	H	Plastic Tub 1000g
1986764	Haz Soil Stockpile 003	99	Pylon Excavation	12-Jun-2025	H	Amber Glass 250ml
1986764	Haz Soil Stockpile 003	99	Pylon Excavation	12-Jun-2025	H	Amber Glass 60ml
1986764	Haz Soil Stockpile 003	99	Pylon Excavation	12-Jun-2025	H	Plastic Tub 1000g
1986765	Haz Soil Stockpile 004	100	Pylon Excavation	12-Jun-2025	H	Amber Glass 250ml
1986765	Haz Soil Stockpile 004	100	Pylon Excavation	12-Jun-2025	H	Amber Glass 60ml
1986765	Haz Soil Stockpile 004	100	Pylon Excavation	12-Jun-2025	H	Plastic Tub 1000g

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory
This report shall not be reproduced except in full, and only with the prior approval of the laboratory.
Any comments or interpretations are outside the scope of UKAS accreditation.
The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.
Uncertainty of measurement for the determinands tested are available upon request .
None of the results in this report have been recovery corrected.
All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.
For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.
All Asbestos testing is performed at the indicated laboratory .
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL
DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.
All water samples will be retained for 14 days from the date of receipt.
Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com



Final Report

Report No.: 25-19837-1

Initial Date of Issue: 25-Jun-2025

Re-Issue Details:

Client *Erith Contractors Ltd*

Client Address: *Erith House
Queen Street
Erith
Kent
DA8 1RP*

Contact(s): *James Hardy*

Project *R13089 Leaside Road, Tottenham*

Quotation No.: *Q25-37114*

Date Received: 16-Jun-2025

Order No.: *HM-R13089/0002*

Date Instructed: 16-Jun-2025

No. of Samples: *4*

Turnaround (Wkdays): *5*

Results Due: 20-Jun-2025

Date Approved: 25-Jun-2025

Approved By:

Details: David Smith, Technical Director

For details about application of accreditation to specific matrix types, please refer to the Table at the back of this report

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19837	25-19837	25-19837	25-19837
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986771	1986772	1986773	1986774
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C14-Base	Grid D14-Base	Grid D15-Base	Grid C13-Base
	Client Sample ID.:					110	111	112	113
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Ammonium	U	1220	10:1	mg/l	0.050	1.1	11	1.4	2.3
Cyanide (Total)	U	1300	10:1	mg/l	0.050	0.88	0.060	0.39	0.47
Aliphatic TPH >C5-C6	N	1675	10:1	mg/l	0.00010	< 0.00010	0.052	< 0.00010	< 0.00010
Aliphatic TPH >C6-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aliphatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aliphatic Hydrocarbons	N	1675	10:1	mg/l	0.0001	< 0.0001	0.052	< 0.0001	< 0.0001
Aromatic TPH >C5-C7	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Aromatic TPH >C7-C8	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.10
Aromatic TPH >C8-C10	N	1675	10:1	mg/l	0.00010	0.098	0.53	< 0.00010	2.8
Aromatic TPH >C10-C12	N	1675	10:1	mg/l	0.00010	< 0.00010	0.25	< 0.00010	3.6
Aromatic TPH >C12-C16	N	1675	10:1	mg/l	0.00010	0.086	0.44	< 0.00010	3.5
Aromatic TPH >C16-C21	N	1675	10:1	mg/l	0.00010	< 0.00010	0.056	< 0.00010	0.73
Aromatic TPH >C21-C35	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	0.071
Aromatic TPH >C35-C44	N	1675	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Total Aromatic Hydrocarbons	N	1675	10:1	mg/l	0.0050	0.18	1.3	< 0.0050	11
Total Petroleum Hydrocarbons	N	1675	10:1	mg/l	0.010	0.18	1.3	< 0.010	11
Naphthalene	U	1700	10:1	mg/l	0.00010	0.0099	0.038	< 0.00010	2.0
Acenaphthylene	U	1700	10:1	mg/l	0.00010	0.0096	0.043	< 0.00010	0.12
Acenaphthene	U	1700	10:1	mg/l	0.00010	0.045	0.062	< 0.00010	0.36
Fluorene	U	1700	10:1	mg/l	0.00010	0.0024	0.034	< 0.00010	0.13
Phenanthrene	U	1700	10:1	mg/l	0.00010	0.0015	0.047	< 0.00010	0.17
Anthracene	U	1700	10:1	mg/l	0.00010	0.0016	0.014	< 0.00010	0.036
Fluoranthene	U	1700	10:1	mg/l	0.00010	0.0089	0.016	0.0093	0.035
Pyrene	U	1700	10:1	mg/l	0.00010	0.0068	0.015	0.011	0.036
Benzo[a]anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Chrysene	N	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[b]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[k]fluoranthene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[a]pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Indeno(1,2,3-c,d)Pyrene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Dibenz(a,h)Anthracene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Benzo[g,h,i]perylene	U	1700	10:1	mg/l	0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010

Results - Leachate

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd	Chemtest Job No.:					25-19837	25-19837	25-19837	25-19837
Quotation No.: Q25-37114	Chemtest Sample ID.:					1986771	1986772	1986773	1986774
Order No.: HM-R13089/0002	Client Sample Ref.:					Grid C14-Base	Grid D14-Base	Grid D15-Base	Grid C13-Base
	Client Sample ID.:					110	111	112	113
	Client Reference:					Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Date Sampled:					13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
Determinand	Accred.	SOP	Type	Units	LOD				
Total Of 16 PAH's	N	1700	10:1	mg/l	0.0020	0.086	0.27	0.020	2.8
Benzene	U	1760	10:1	mg/l	0.0010	0.0023	< 0.0010	< 0.0010	< 0.0010
Toluene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.027	< 0.0010	< 0.0010
Ethylbenzene	U	1760	10:1	mg/l	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	1760	10:1	mg/l	0.0010	< 0.0010	0.066	< 0.0010	< 0.0010
o-Xylene	U	1760	10:1	mg/l	0.0010	0.0059	< 0.0010	< 0.0010	< 0.0010
Total Phenols	U	1920	10:1	mg/l	0.030	0.044	0.60	< 0.030	0.91

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:		25-19837	25-19837	25-19837	25-19837
Quotation No.: Q25-37114		Chemtest Sample ID.:		1986771	1986772	1986773	1986774
Order No.: HM-R13089/0002		Client Sample Ref.:		Grid C14-Base	Grid D14-Base	Grid D15-Base	Grid C13-Base
		Client Sample ID.:		110	111	112	113
		Client Reference:		Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:		SOIL	SOIL	SOIL	SOIL
		Date Sampled:		13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:		DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD		
ACM Type		N	2192		N/A	-	-
Asbestos Identification		U	2192		N/A	No Asbestos Detected	No Asbestos Detected
Moisture		N	2030	%	0.020	11	18
Soil Colour		N	2030		N/A	Brown	Brown
Other Material		N	2030		N/A	Stones and brick	Stones
Soil Texture		N	2030		N/A	Sand	Clay
Cyanide (Total)		M	2300	mg/kg	0.50	130	38
Ammonium (Water Soluble)		M	2220	g/l	0.01	< 0.01	0.02
Aliphatic VPH >C5-C6	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	0.47
Aliphatic VPH >C7-C8	HS_2D_AL	U	2780	mg/kg	0.05	< 0.05	1.1
Aliphatic VPH >C6-C8 (Sum)	HS_2D_AL	N	2780	mg/kg	0.10	< 0.10	1.6
Aliphatic VPH >C8-C10	HS_2D_AL	U	2780	mg/kg	0.05	0.28	2.3
Total Aliphatic VPH >C5-C10	HS_2D_AL	U	2780	mg/kg	0.25	0.28	3.9
Aliphatic EPH >C10-C12 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	25	160
Aliphatic EPH >C12-C16 MC	EH_2D_AL_#1	M	2690	mg/kg	1.00	130	460
Aliphatic EPH >C16-C21 MC	EH_2D_AL_#1	M	2690	mg/kg	2.00	150	280
Aliphatic EPH >C21-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	3.00	130	93
Aliphatic EPH >C35-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	110	35
Total Aliphatic EPH >C10-C35 MC	EH_2D_AL_#1	M	2690	mg/kg	5.00	430	1000
Total Aliphatic EPH >C10-C40 MC	EH_2D_AL_#1	N	2690	mg/kg	10.00	540	1000
Aromatic VPH >C5-C7	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	7.5
Aromatic VPH >C7-C8	HS_2D_AR	U	2780	mg/kg	0.05	< 0.05	1.9
Aromatic VPH >C8-C10	HS_2D_AR	U	2780	mg/kg	0.05	0.20	28
Total Aromatic VPH >C5-C10	HS_2D_AR	U	2780	mg/kg	0.25	< 0.25	38
Aromatic EPH >C10-C12 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	49	1400
Aromatic EPH >C12-C16 MC	EH_2D_AR_#1	U	2690	mg/kg	1.00	260	2400
Aromatic EPH >C16-C21 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	330	1500
Aromatic EPH >C21-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	2.00	270	450
Aromatic EPH >C35-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	1.00	49	70
Total Aromatic EPH >C10-C35 MC	EH_2D_AR_#1	U	2690	mg/kg	5.00	920	5800
Total Aromatic EPH >C10-C40 MC	EH_2D_AR_#1	N	2690	mg/kg	10.00	960	5800
Total VPH >C5-C10	HS_2D_Total	U	2780	mg/kg	0.50	< 0.50	42

Results - Soil

Project: R13089 Leaside Road, Tottenham

Client: Erith Contractors Ltd		Chemtest Job No.:				25-19837	25-19837	25-19837	25-19837
Quotation No.: Q25-37114		Chemtest Sample ID.:				1986771	1986772	1986773	1986774
Order No.: HM-R13089/0002		Client Sample Ref.:				Grid C14-Base	Grid D14-Base	Grid D15-Base	Grid C13-Base
		Client Sample ID.:				110	111	112	113
		Client Reference:				Pylon Excavation	Pylon Excavation	Pylon Excavation	Pylon Excavation
		Sample Type:				SOIL	SOIL	SOIL	SOIL
		Date Sampled:				13-Jun-2025	13-Jun-2025	13-Jun-2025	13-Jun-2025
		Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM
Determinand	HWOL Code	Accred.	SOP	Units	LOD				
Total EPH >C10-C35 MC	EH_2D_Total_#1	U	2690	mg/kg	10.00	1300	6700	740	17000
Total EPH >C10-C40 MC	EH_2D_Total_#1	N	2690	mg/kg	10.00	1500	6900	820	18000
Benzene		M	2760	µg/kg	1.0	< 1.0	2900	< 1.0	> 10000
Toluene		M	2760	µg/kg	1.0	< 1.0	2200	< 1.0	> 10000
Ethylbenzene		M	2760	µg/kg	1.0	8.8	7300	< 1.0	> 10000
m & p-Xylene		M	2760	µg/kg	1.0	4.8	> 10000	< 1.0	> 10000
o-Xylene		M	2760	µg/kg	1.0	14	> 10000	< 1.0	> 10000
Naphthalene		M	2800	mg/kg	0.10	60	170	66	3.0
Acenaphthylene		N	2800	mg/kg	0.10	27	46	44	7.1
Acenaphthene		M	2800	mg/kg	0.10	53	14	180	4.3
Fluorene		M	2800	mg/kg	0.10	24	24	63	2.6
Phenanthrene		M	2800	mg/kg	0.10	80	73	230	9.1
Anthracene		M	2800	mg/kg	0.10	35	21	61	5.7
Fluoranthene		M	2800	mg/kg	0.10	110	26	110	37
Pyrene		M	2800	mg/kg	0.10	110	32	120	35
Benzo[a]anthracene		M	2800	mg/kg	0.10	39	7.2	28	16
Chrysene		M	2800	mg/kg	0.10	36	7.3	25	14
Benzo[b]fluoranthene		M	2800	mg/kg	0.10	52	5.5	26	23
Benzo[k]fluoranthene		M	2800	mg/kg	0.10	18	1.9	9.0	8.0
Benzo[a]pyrene		M	2800	mg/kg	0.10	47	6.8	29	20
Indeno(1,2,3-c,d)Pyrene		M	2800	mg/kg	0.10	29	3.0	15	13
Dibenz(a,h)Anthracene		N	2800	mg/kg	0.10	5.0	< 0.10	1.8	2.3
Benzo[g,h,i]perylene		M	2800	mg/kg	0.10	27	3.3	15	13
Total Of 16 PAH's		N	2800	mg/kg	2.0	750	440	1000	210
Total Phenols		M	2920	mg/kg	0.10	< 0.10	10	2.2	10

Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Chemtest Sample ID	Clients Sample Ref:	Clients Sample ID:	Clients Reference:	Sampled Date:	Deviation Code(s):	Containers Received:
1986771	Grid C14-Base	110	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986771	Grid C14-Base	110	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986771	Grid C14-Base	110	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986772	Grid D14-Base	111	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986772	Grid D14-Base	111	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986772	Grid D14-Base	111	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986773	Grid D15-Base	112	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986773	Grid D15-Base	112	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986773	Grid D15-Base	112	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g
1986774	Grid C13-Base	113	Pylon Excavation	13-Jun-2025	H	Amber Glass 250ml
1986774	Grid C13-Base	113	Pylon Excavation	13-Jun-2025	H	Amber Glass 60ml
1986774	Grid C13-Base	113	Pylon Excavation	13-Jun-2025	H	Plastic Tub 1000g

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
1010	pH Value of Waters	pH at 20°C	pH Meter	
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.	RE PW TE TS PL LE DW GW
1300	Cyanides & Thiocyanate in Waters	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Continuous Flow Analysis.	
1670	Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO	Pentane extraction / GC FID detection	
1675	TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG)	Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44 Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Pentane extraction / GCxGC FID detection	
1700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Waters by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)	GW PL
1760	Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260)	Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds.	
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.	
2010	pH Value of Soils	pH at 20°C	pH Meter	
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <30°C.	
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry	
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.	
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.	
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection	
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.	
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7–C8,>C8–C10	Water extraction / Headspace GCxGC FID detection	
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS	
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.	

Test Methods

SOP	Title	Parameters included	Method summary	Water Accred.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge	

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Text example All items indicated in italic font represent customer-supplied information that may not be independently verified by the laboratory

This report shall not be reproduced except in full, and only with the prior approval of the laboratory.

Any comments or interpretations are outside the scope of UKAS accreditation.

The Laboratory is not accredited for any sampling activities and reported results relate to the samples 'as received' at the laboratory.

Uncertainty of measurement for the determinands tested are available upon request .

None of the results in this report have been recovery corrected.

All results are expressed on a dry weight basis.

The following tests were analysed on samples 'as received' and the results subsequently corrected to a dry weight basis EPH, VPH, TPH, BTEX, VOCs, SVOCs, PCBs, Phenols.

For all other tests the samples were dried at $\leq 30^{\circ}\text{C}$ prior to analysis.

All Asbestos testing is performed at the indicated laboratory .

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1.

NEW_ASB Eurofins Chemtest Limited, 11 Depot Road, Newmarket, CB8 0AL

DURHAM Eurofins Chemtest Limited, Unit A North Wing, Prospect Business Park, Crookhall Lane, Consett, Co Durham, DH8 7PW

Sample Deviation Codes

As a result of any of the below deviations applying, the test results may be unreliable

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - The required amount of sample for analysis was not received
- H - Appropriate cooling measures were not taken for sample transportation

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt.

All water samples will be retained for 14 days from the date of receipt.

Charges may apply to extended sample storage.

Report Information

Water Sample Category Key for Accreditation

DW - Drinking Water
GW - Ground Water
LE - Land Leachate
NA - Not Applicable
PL - Prepared Leachate
PW - Processed Water
RE - Recreational Water
SA - Saline Water
SW - Surface Water
TE - Treated Effluent
TS - Treated Sewage
UL - Unspecified Liquid

Clean Up Codes

NC - No Clean Up
MC - Mathematical Clean Up
FC - Florisil Clean Up

HWOL Acronym System

HS - Headspace analysis
EH - Extractable hydrocarbons – i.e. everything extracted by the solvent
CU - Clean-up – e.g. by Florisil, silica gel
1D - GC – Single coil gas chromatography
Total - Aliphatics & Aromatics
AL - Aliphatics only
AR - Aromatic only
2D - GC-GC – Double coil gas chromatography
#1 - EH_2D_Total but with humics mathematically subtracted
#2 - EH_2D_Total but with fatty acids mathematically subtracted
+ - Operator to indicate cumulative e.g. EH+EH_Total or EH_CU+HS_Total

Asbestos Tests LOD = LOQ

Limit of Detection = Limit of Quantification for asbestos results only

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

G.2 Geotechnical testing data



TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 331042.2.1.1

SAMPLE NUMBER: 522371

CLIENT REF: 5001518

DATE SAMPLED: 24/01/2025

SAMPLED BY: Tim Gray

DATE RECEIVED: 27/01/2025

DATE COMPLETED: 06/02/2025

TESTED BY: JP, BV

TYPE OF SAMPLE: Disturbed

VARIATIONS: No variations

METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles

ENVIRONMENTAL CONDITIONS: Overcast

CLIENT:

ERITH CONTRACTORS LTD

ADDRESS:

Erith House, 7 Queen Street, Erith, Kent, DA8 1RP

SITE:

Leeside Road, Tottenham

SOURCE / SUPPLIER:

Rms recycled materials supplied , Silvertown

MATERIAL DESCRIPTION:

Brown slightly silty slightly sandy clayey GRAVEL with wood

PROPOSED CLASSIFICATION:

LOCATION:

Material mound

PREPARATION METHOD:

BS 1377:Part 1:2016 clause 8.3 & 8.4.5

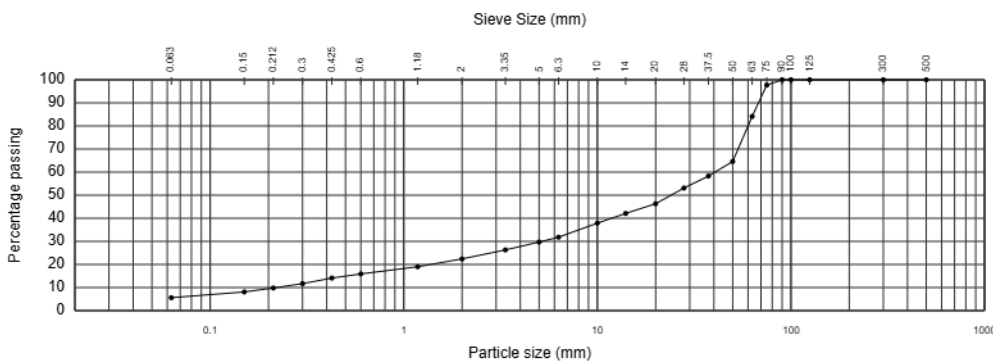
SAMPLING PLAN:

Client Specification

LOCATION AND ORIENTATION N/A

WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%

Percentage COBBLES: 16%

Percentage GRAVEL: 62%

Percentage SAND: 17%

Percentage SILT/CLAY: 6%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	98	
63	84	
50	65	
37.5	58	
28	53	
20	46	
14	42	
10	38	
6.3	32	
5	30	
3.35	26	
2	22	
1.18	19	
0.6	16	
0.425	14	
0.3	12	
0.212	10	
0.15	8	
0.063	6	

Remarks:

Test results reported relate only to the items tested.

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Accreditation. The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory

Report date 06-Feb-25

Construction Testing Solutions Ltd.

Registered in England No. 05998333



4161

Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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END OF REPORT

Report version 1

Page 1 of 1

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

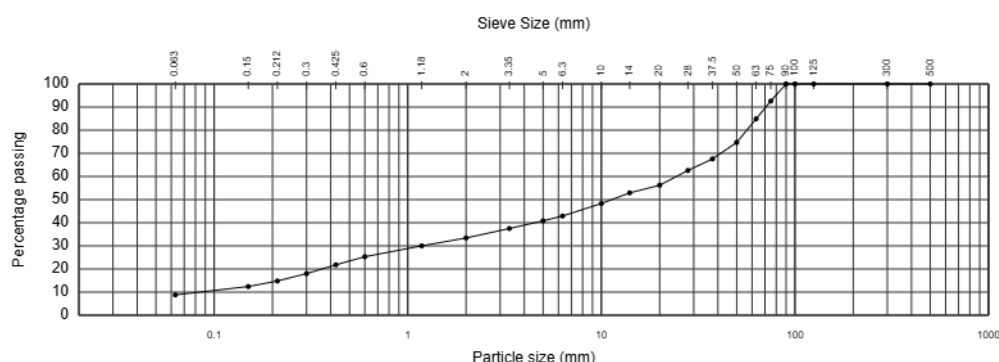
BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330527.12.1.1
SAMPLE NUMBER: 522368
CLIENT REF: 5001518
DATE SAMPLED: 24/01/2025
SAMPLED BY: Daniel O'Reilly
DATE RECEIVED: 27/01/2025
DATE COMPLETED: 04/02/2025
TESTED BY: RK, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Rms recycled materials supplied , Silvertown
MATERIAL DESCRIPTION: Brown slightly silty sandy clayey GRAVEL
PROPOSED CLASSIFICATION:
LOCATION: Material mound
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: Client Specification
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow

SIEVE ANALYSIS



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 15%
Percentage GRAVEL: 52%
Percentage SAND: 25%
Percentage SILT/CLAY: 9%

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	93	
63	85	
50	75	
37.5	68	
28	63	
20	56	
14	53	
10	48	
6.3	43	
5	41	
3.35	38	
2	33	
1.18	30	
0.6	25	
0.425	22	
0.3	18	
0.212	15	
0.15	12	
0.063	9	

Remarks:
Test results reported relate only to the items tested.
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25



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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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END OF REPORT

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1

Page 1 of 1

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330527.13.1.1
SAMPLE NUMBER: 522375
CLIENT REF: 5001518
DATE SAMPLED: 24/01/2025
SAMPLED BY: Daniel O'Reilly
DATE RECEIVED: 27/01/2025

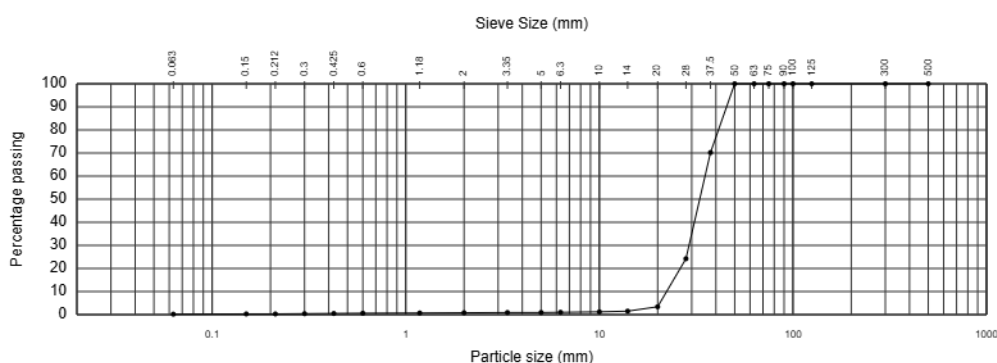
CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Rms recycled materials supplied , Silvertown
MATERIAL DESCRIPTION: Brown slightly silty slightly sandy slightly clayey GRAVEL

DATE COMPLETED: 04/02/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

PROPOSED CLASSIFICATION:
LOCATION: Material mound
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: Client Specification
LOCATION AND ORIENTATION N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow

SIEVE ANALYSIS



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 99%
Percentage SAND: 1%
Percentage SILT/CLAY: 0%

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	70	
28	24	
20	3	
14	2	
10	1	
6.3	1	
5	1	
3.35	1	
2	1	
1.18	1	
0.6	1	
0.425	1	
0.3	0	
0.212	0	
0.15	0	
0.063	0	

Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25



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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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www.constructiontesting.co.uk
END OF REPORT

Construction Testing Solutions Ltd.
Registered in England No. 05998333

TEST REPORT : DETERMINATION OF NUCLEAR DENSITY METER vs. MATERIAL CALIBRATION

BS 1377-9: 1990 cl 2.5.5.2 : Single box - As Received Moisture

REPORT No.:	5001518 / 333871.4.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE No.:	527041	ADDRESS:	Erith House
CLIENT REF:	Box cal class 1a 14/2/25		
DATE SAMPLED:	14/02/2025	SITE:	Leeside Road, Tottenham
SAMPLED BY:	Toby Crouch	SUPPLIER:	RMS
DATE RECEIVED:	18/02/2025	MATERIAL:	Brown slightly silty slightly sandy clayey GRAVEL
DATE TESTED:	27/02/2025	ACCEPT. STD:	Contract Specification
TESTED BY:	JP	CERTIFICATE OF SAMPLING:	Available
SAMPLING PLAN:	Client Specification		

RESULT: Test Location: Heathrow Lab

CALIBRATION BOX DETAILS

Bulk Density of Material in Box	1.835 Mg/m ³
Moisture Content of Material	14.9 %
Moisture Density of Compacted Material	0.238 Mg/m ³

NUCLEAR DENSITY METER DETAILS

N.D.M. Serial Number	NDM Bulk Density (mean of 4 readings) Mg/m ³	Bulk Density Correction	NDM Moisture Density (mean of 4 readings) Mg/m ³	Moisture Density Correction
21345 - 200mm	1.869	0.982	0.234	1.018
15409 - 200mm	1.852	0.991	0.258	0.924

COMMENTS:

For and on behalf of Construction Testing Solutions



Sasha Mahon - Laboratory Manager

Page 1 of 1

Format : L/Rep NDMBOXCALs/rev.3

Approved Signatory

28-Feb-25



4161

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 END OF REPORT

DETERMINATION OF THE WATER CONTENT OF SOILS

BS 1377-2: 2022 Clause 4.1 & BS EN 17892-1: 2014 + A1: 2022

REPORT NUMBER:	C5001518 / 330527.2.1.2	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	See Below	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	See Below	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	24/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Daniel O'Reily	MATERIAL:	See Below
DATE RECEIVED:	27/01/2025	SUPPLIER:	Rms recycled materials supplied
DATE COMPLETED:	29/01/2025	SOURCE:	Silvertown
TESTED BY:	RK, BV	SAMPLE LOCATION:	See Below
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE:			
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

TEST RESULT: Test Location: CTS Heathrow

SAMPLE NO.	CLIENT REF.	SAMPLE LOCATION	MATERIAL DESCRIPTION	WATER CONTENT (%)	LOWER LIMIT	UPPER LIMIT
522368	5001518	Stockpile back of site	Brown slightly silty sandy clayey GRAVEL	11.7	NA	NA
522331	5001518	Stockpile back of site	Brown slightly sandy clayey GRAVEL	12.5	NA	NA

Remarks:

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Amended report. This test report supersedes test report version 1 -

Report Format: MC/TP01/Rep Issue 1 Rev 1 06/22

Unit 12 Britannia Ind Estate
Poyle Road
Colnbrook
SL3 0BH

0343 227 8545
enquiries@constructiontesting.co.uk
www.constructiontesting.co.uk
END OF REPORT

For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 21-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 2



4161

DETERMINATION OF THE WATER CONTENT OF SOILS

BS 1377-2: 2022 Clause 4.1 & BS EN 17892-1: 2014 + A1: 2022

REPORT NUMBER:	C5001518 / 331042.1.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	See Below	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	See Below	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	24/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Tim Gray	MATERIAL:	See Below
DATE RECEIVED:	27/01/2025	SUPPLIER:	Rms recycled materials supplied
DATE COMPLETED:	29/01/2025	SOURCE:	Silvertown
TESTED BY:	JP, BV	SAMPLE LOCATION:	See Below
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

TEST RESULT: Test Location: CTS Heathrow

SAMPLE NO.	CLIENT REF.	SAMPLE LOCATION	MATERIAL DESCRIPTION	WATER CONTENT (%)	LOWER LIMIT	UPPER LIMIT
522371	5001518	Stockpile back of site	Brown slightly silty slightly sandy clayey GRAVEL with wood	15.5	NA	NA

Remarks:

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Report Format: MC/TP01/Rep Issue 1 Rev 1 06/22

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END OF REPORT

For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 21-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



4161

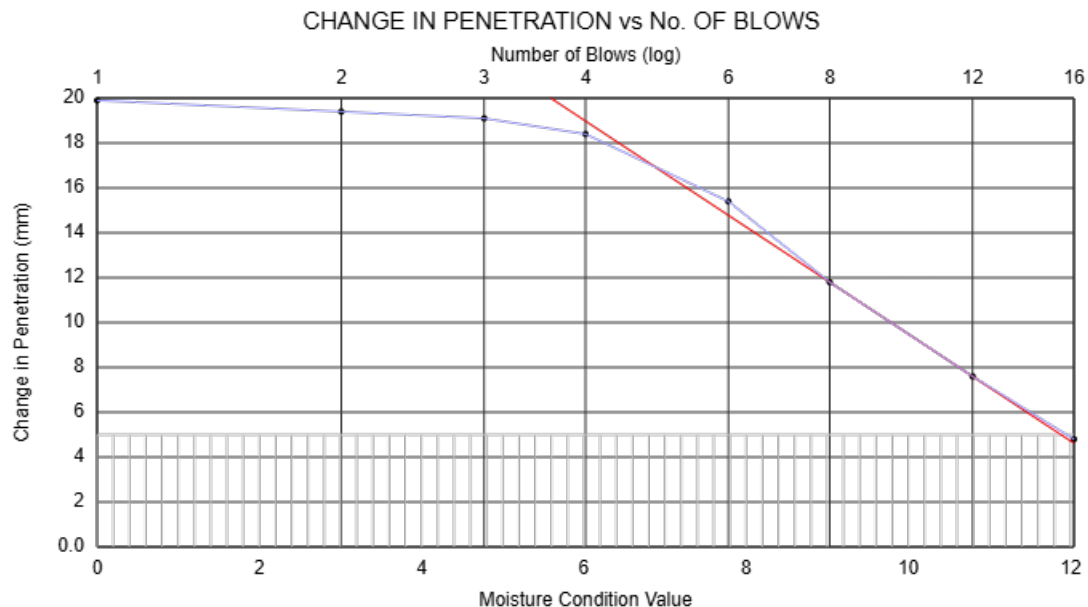
DETERMINATION OF MOISTURE CONDITION VALUE (M.C.V.)

BS 1377 Part 2 : 2022 Clause 13.4 - Natural Moisture Content (Lab Test)

REPORT NUMBER:	C5001518 / 334682.17.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	528332	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	528332	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/02/2025	SUPPLIER:	RMS, Silvertown
SAMPLED BY:	Aaron Henson	MATERIAL:	Recycled material / brown slightly silty sandy GRAVEL 1A
DATE RECEIVED:	21/02/2025	FILL LOCATION:	1A Stockpile - 4th Round
DATE COMPLETED:	27/02/2025	CERTIFICATE OF SAMPLING:	Yes
TESTED BY:	Ashad Hussain	SAMPLING PLAN:	CTS procedure TP41
TYPE OF SAMPLE:	Disturbed sample	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS:	Overcast	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A

RESULTS Test Location: CTS Heathrow

MOISTURE CONDITION VALUE	11.9
NATURAL WATER CONTENT (%)	6.8
WATER CONTENT STANDARD	BS 1377-2: 2022 Clause 4.1 & BS EN 17892-1: 2014 + A1: 2022
PERCENTAGE RETAINED 20mm (%)	47
INTERPRETATION OF CURVE	Steepest straight line
PREPARATION METHOD	BS 1377: Part 2: 2022 clause 13.4.1.1 (Natural and sieved through 20mm test sieve)



Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 07-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report Format: MCVa/TP08/Rep Issue 1 Rev 0 06/22

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END OF REPORT

Report version 1



4161

DETERMINATION OF THE MOISTURE CONTENT OF SOILS

BS 1377:Part 2:1990 clause 3.2 - oven drying method

REPORT NUMBER:	C5001518 / 334682.7.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	See Below	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	See Below	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/02/2025	SUPPLIER:	RMS
SAMPLED BY:	Aaron Henson	SOURCE:	Silvertown
DATE RECEIVED:	21/02/2025	MATERIAL:	See Below
DATE COMPLETED:	07/03/2025	LOCATION:	See Below
TESTED BY:	EB, CP	PREPARATION METHOD:	BS 1377-1: 2016 clause 8
TYPE OF SAMPLE:	Disturbed sample	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
SAMPLING PLAN:	CTS procedure TP41	LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A
ENVIRONMENTAL CONDITIONS:	Overcast		

TEST RESULT: Test Location: MT Billericay

SAMPLE NO.	CLIENT REF.	LOCATION OF TEST	MATERIAL DESCRIPTION	MOISTURE CONTENT (%)	LOWER LIMIT	UPPER LIMIT
528332	528332	Sampling on surface	Recycled material / brown slightly silty sandy GRAVEL	13	NA	NA

Remarks:

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Report Format: MC/TP01/Rep Issue 1 Rev 1 06/22

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Billericay
Essex CM12 0TS

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END OF REPORT

For and on behalf of CTS
James Gough - Senior Lab Technician



Approved Signatory
Report date 07-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



4161

DETERMINATION OF THE WATER CONTENT OF SOILS

BS 1377-2: 2022 Clause 4.1 & BS EN 17892-1: 2014 + A1: 2022

REPORT NUMBER:	C5001518 / 337922.7.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	See Below	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	See Below	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	12/03/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Ben Collins	MATERIAL:	See Below
DATE RECEIVED:	13/03/2025	SUPPLIER:	Not Specified
DATE COMPLETED:	14/03/2025	SOURCE:	Not Specified
TESTED BY:	Richard Hornett	SAMPLE LOCATION:	See Below
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

TEST RESULT: Test Location: Harrietsham Lab

SAMPLE NO.	CLIENT REF.	SAMPLE LOCATION	MATERIAL DESCRIPTION	WATER CONTENT (%)	LOWER LIMIT	UPPER LIMIT
532986	1A	Site Stockpile	1A	10.0	NA	NA

Remarks:

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Report Format: MC/TP01/Rep Issue 1 Rev 1 06/22

Northdown House, Ashford Road
Harrietsham, Nr Maidstone
Kent ME17 1QW

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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 21-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333



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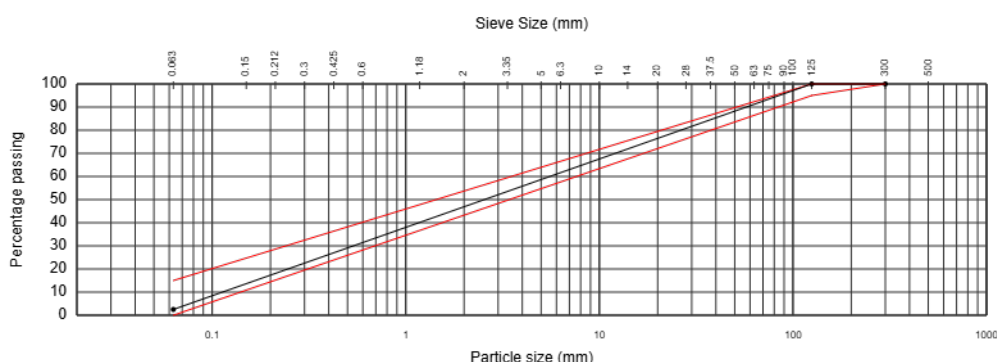
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 337922.6.1.1
SAMPLE NUMBER: 532986
CLIENT REF: 1A
DATE SAMPLED: 12/03/2025
SAMPLED BY: Ben Collins
DATE RECEIVED: 13/03/2025
DATE COMPLETED: 17/03/2025
TESTED BY: RH, CG, jo
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Not Specified, Not Specified
MATERIAL DESCRIPTION: 1A
PROPOSED CLASSIFICATION: Class 1A
LOCATION: Site Stockpile
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: Harrietsham Lab



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 29%
Percentage GRAVEL: 46%
Percentage SAND: 23%
Percentage SILT/CLAY: 3%

Applied Specification: Class 1A - Specification for Highway Works (2016) Table 6/2 Earthworks Materials - Class 1A
Specification stated as requested, no indication of conformity applied

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	100 - 100
125	100	95 - 100
100	100	
90	100	
75	83	
63	71	
50	54	
37.5	50	
28	46	
20	42	
14	37	
10	33	
6.3	29	
5	28	
3.35	27	
2	25	
1.18	23	
0.6	21	
0.425	16	
0.3	12	
0.212	6	
0.15	4	
0.063	3	0 - 15

Remarks:
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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

Northdown House, Ashford Road
Harrietsham, Nr Maidstone
Kent ME17 1QW

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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 17-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333



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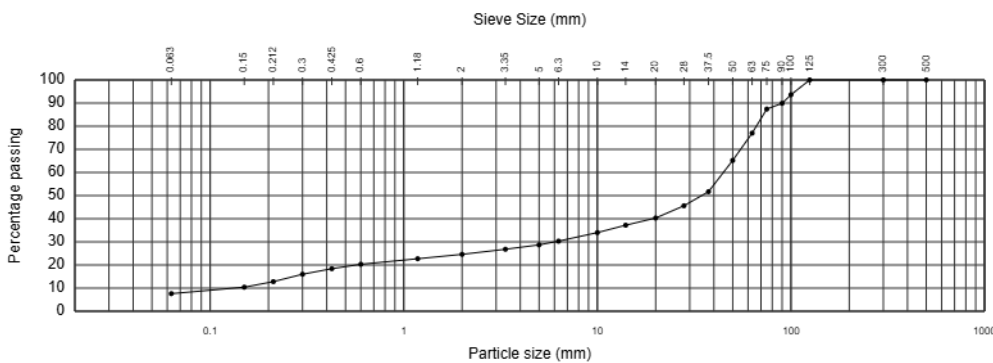
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 351631.13.1.1
SAMPLE NUMBER: 554052
CLIENT REF: 1A Stockpile 006
DATE SAMPLED: 06/06/2025
SAMPLED BY: Nathan Williams
DATE RECEIVED: 09/06/2025
DATE COMPLETED: 13/06/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: RMS Silvertown, RMS Silvertown
MATERIAL DESCRIPTION: Crushed up hardcore big and small bits
PROPOSED CLASSIFICATION:
LOCATION: 1A Stockpile 006
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	63	200
0.020	0.063	0.20	0.63	2.0	6.3	20		
SILT/CLAY	SAND			GRAVEL				

Percentage BOULDERS: 0%
Percentage COBBLES: 23%
Percentage GRAVEL: 52%
Percentage SAND: 17%
Percentage SILT/CLAY: 8%

Uniformity Coefficient (D₆₀/D₁₀) 326
BS EN ISO 14688-2: 2018.

The material tested complies with the uniformity coefficient requirements stated.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	94	
90	90	
75	87	
63	77	
50	65	
37.5	52	
28	46	
20	40	
14	37	
10	34	
6.3	30	
5	29	
3.35	27	
2	25	
1.18	23	
0.6	20	
0.425	18	
0.3	16	
0.212	13	
0.15	10	
0.063	8	

Remarks:
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Report Format: PSDsoil/TP131/Rep Issue 1 Rev 2 04/24

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END OF REPORT

For and on behalf of CTS
Shah Alam - Acting Laboratory Manager



Approved Signatory
Report date 13-Jun-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



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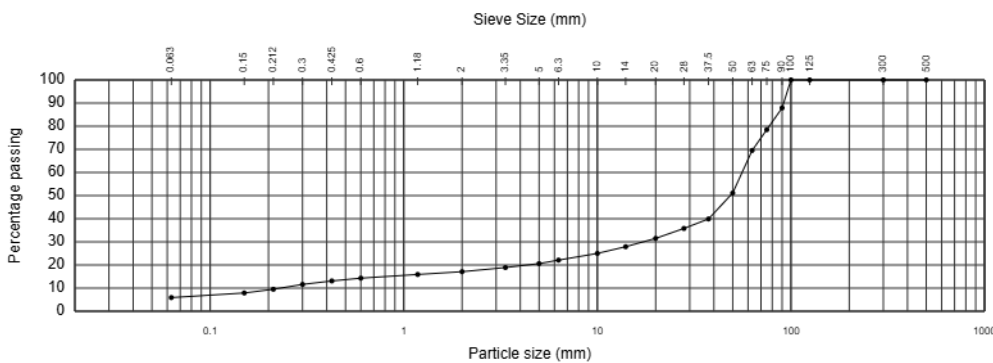
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 351631.14.1.1
SAMPLE NUMBER: 554333
CLIENT REF: 1A Stockpile 007
DATE SAMPLED: 06/06/2025
SAMPLED BY: Nathan Williams
DATE RECEIVED: 09/06/2025
DATE COMPLETED: 13/06/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: RMS Silvertown, RMS Silvertown
MATERIAL DESCRIPTION: Crushed up hardcore big and small bits
PROPOSED CLASSIFICATION:
LOCATION: 1A Stockpile 007
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY			SAND			GRAVEL		
						COBBLE		
						BOULDERS		

Percentage BOULDERS: 0%
Percentage COBBLES: 31%
Percentage GRAVEL: 52%
Percentage SAND: 11%
Percentage SILT/CLAY: 6%

Uniformity Coefficient (D₆₀/D₁₀) 241
BS EN ISO 14688-2: 2018.

The material tested complies with the uniformity coefficient requirements stated.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	88	
75	79	
63	70	
50	51	
37.5	40	
28	36	
20	32	
14	28	
10	25	
6.3	22	
5	21	
3.35	19	
2	17	
1.18	16	
0.6	14	
0.425	13	
0.3	12	
0.212	10	
0.15	8	
0.063	6	

Remarks:
Test results reported relate only to the items tested.
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Report Format: PSDsoil/TP131/Rep Issue 1 Rev 2 04/24

Unit 16 Britannia Ind Estate
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END OF REPORT

For and on behalf of CTS
Shah Alam - Acting Laboratory Manager



Approved Signatory
Report date 13-Jun-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



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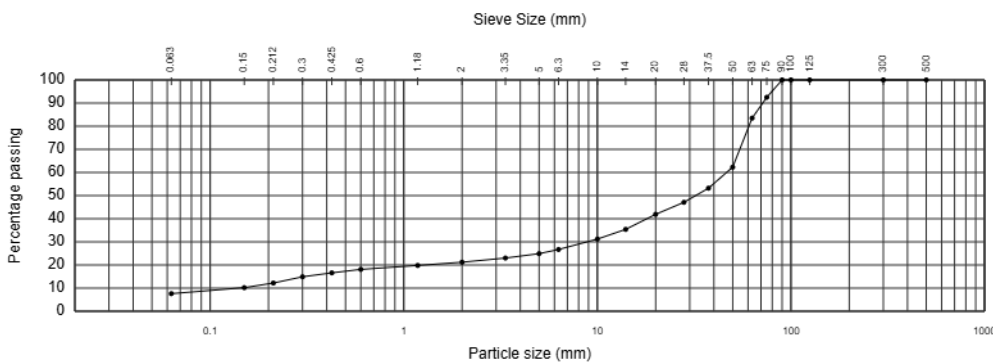
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 351631.15.1.1
SAMPLE NUMBER: 554348
CLIENT REF: 1A Stockpile 008
DATE SAMPLED: 06/06/2025
SAMPLED BY: Nathan Williams
DATE RECEIVED: 09/06/2025
DATE COMPLETED: 13/06/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: RMS Silvertown, RMS Silvertown
MATERIAL DESCRIPTION: Crushed up hardcore big and small bits
PROPOSED CLASSIFICATION:
LOCATION: 1A Stockpile 008
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	63	200
0.020	0.063	0.20	0.63	2.0	6.3	20		
SILT/CLAY	SAND			GRAVEL				

Percentage BOULDERS: 0%
Percentage COBBLES: 17%
Percentage GRAVEL: 62%
Percentage SAND: 14%
Percentage SILT/CLAY: 8%

Uniformity Coefficient (D₆₀/D₁₀) 326
BS EN ISO 14688-2: 2018.

The material tested complies with the uniformity coefficient requirements stated.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	93	
63	84	
50	62	
37.5	53	
28	47	
20	42	
14	35	
10	31	
6.3	27	
5	25	
3.35	23	
2	21	
1.18	20	
0.6	18	
0.425	17	
0.3	15	
0.212	12	
0.15	10	
0.063	8	

Remarks:
Test results reported relate only to the items tested.
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Report Format: PSDsoil/TP131/Rep Issue 1 Rev 2 04/24

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END OF REPORT

For and on behalf of CTS
Shah Alam - Acting Laboratory Manager



Approved Signatory
Report date 13-Jun-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



4161

TEST REPORT :
DETERMINATION OF THE GEOMETRICAL PROPERTIES OF AGGREGATE

BSEN 933-11:2009 Classification Test For The Constituents Of Coarse Recycled Aggregate

REPORT No.:	5001518 / 355950.7.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE No.:	561340	ADDRESS:	Erith House
CLIENT REF:	1a stockpile 009	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	01/07/2025	SUPPLIER:	Site won
SAMPLED BY:	Kyle Ager	MATERIAL:	Type 1a
DATE RECEIVED:	02/07/2025	LOCATION:	1a Stockpile 009
DATE TEST COMPLETED:	23/07/2025	ACCEPT STD:	Contract Specification
TESTED BY:	RK	SAMPLING CERT.:	Available
DRYING TEMPERATURE:	40±5°C	SAMPLING PLAN:	CTS Procedure

TEST RESULT: Test Location; Heathrow Laboratory

	<u>CONSTITUENT</u>	<u>FOUND PROPORTION</u>	<u>SPECIFICATION (%)</u>
Rc	Concrete, concrete products & concrete masonry units.	67.8 %	Not Specified
Ru	Unbound aggregate, natural stone & Hydraulically bound aggregate. (% of CHALK found within Ru)	24 % 0.2 %	Not Specified
Rb	Clay masonry units (ie.bricks & tiles), calcium silicate masonry units & aerated non-floating concrete	0.0 %	Not Specified
Ra	Bituminous Material	6.3 %	50
Rg	Glass	0.8 %	25.0
X	Other: Cohesive (ie clay & soil), gypsum plaster, miscellaneous - metals (ferrous & non ferrous), non-floating wood, plastic & rubber.	0.1 %	1.0
FL	Floating Particles	0.12 cm ³ /kg	Not Specified

REMARKS:

The material supplied complies with the specification limits stated
 Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the laboratory.

For and on behalf of CTS


Shah Alam Acting Laboratory Manager

 Approved signatory
 23-Jul-25


4161

DETERMINATION OF REFERENCE DENSITY AND WATER CONTENT

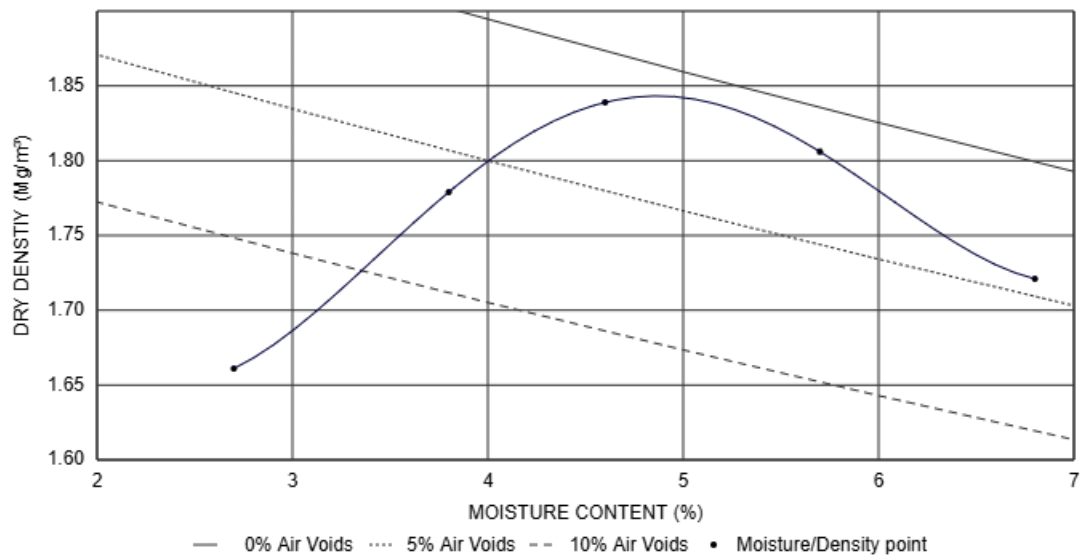
BS EN 13286-4: 2021 - Vibrating Hammer

REPORT NUMBER:	C5001518 / 355950.5.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	561340	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	355950.1.1.1	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	01/07/2025	SUPPLIER/SOURCE:	Site won, Site won
SAMPLED BY:	Kyle Ager	MATERIAL:	Grey sandy gravel 1a
DATE RECEIVED:	02/07/2025	LOCATION:	Near to surface
DATE COMPLETED:	04/08/2025	COMPACTION SAMPLE:	Separate samples
TESTED BY:	Husain Mohammad	SAMPLING PLAN:	CTS procedure TP22
TYPE OF SAMPLE:	Disturbed	SAMPLING METHOD:	C1 Sampling from large conical stockpiles
HAMMER MAKE/MODEL:	Hikoki		
ENVIRONMENTAL CONDITIONS:	Sunny		

RESULT Test Location: CTS Heathrow

MAXIMUM DRY DENSITY: 1.84 Mg/m³
OPTIMUM WATER CONTENT: 5.0 %
AMOUNT (By Dry Mass) RETAINED >40.0mm: 61 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS: 2.05 Mg/m³

MOISTURE CONTENT / DRY DENSITY RELATIONSHIP



Non-standard test as material classified as unsuitable, sample tested at clients request, test results may not be indicative of the material being used on site.

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Report Format: BSENM CVib/TP34/Rep Issue 1 Rev 1 09/23

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END OF REPORT

For and on behalf of CTS
Shah Alam - Acting Laboratory Manager

Approved Signatory
Report date 05-Aug-25

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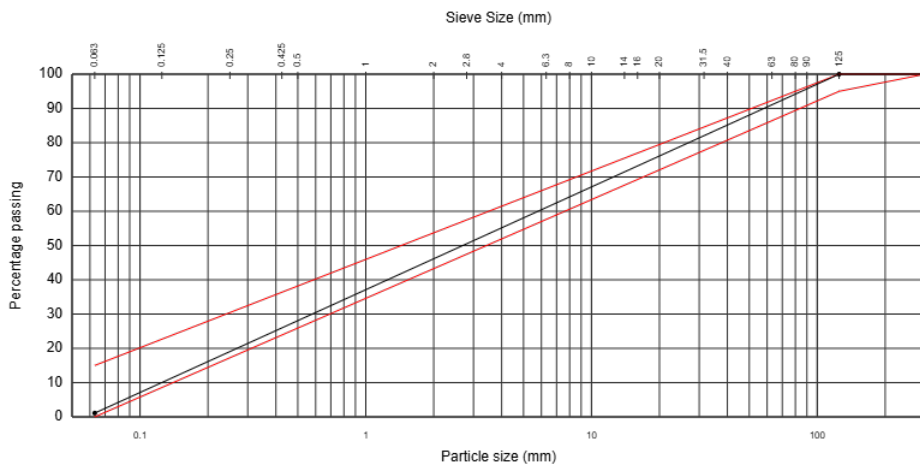
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 Washing & Dry Sieving

REPORT NUMBER: C5001518 / 355950.6.1.1
SAMPLE NUMBER: 561340
CLIENT REF: 1a stockpile 009
DATE SAMPLED: 01/07/2025
SAMPLED BY: Kyle Ager
DATE RECEIVED: 02/07/2025
DATE COMPLETED: 17/07/2025
TESTED BY: Husain Mohammad
ENVIRONMENTAL CONDITIONS: Sunny

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Site won, Site won
MATERIAL: Grey sandy gravel
PROPOSED CLASSIFICATION: Class 1A
LOCATION: 1a stockpile 009
SAMPLING PLAN: CTS procedure TP22
METHOD OF SAMPLING: C1 Sampling from large conical stockpiles

RESULT Test Location: CTS Heathrow



Applied Specification: Class 1A - Specification for Highway Works (2016) Table 6/2 Earthworks Materials - Class 1A
Specification stated as requested, no indication of conformity applied

Uniformity Coefficient (D60/D10) 8 * (Lower limit 10)
BS EN ISO 14688-2: 2018.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	100 - 100
125	100	95 - 100
90	98	
80	95	
63	72	
40	39	
31.5	33	
20	22	
16	19	
14	18	
10	13	
8	11	
6.3	9	
4	7	
2.8	5	
2	4	
1	3	
0.5	2	
0.425	2	
0.25	1	
0.125	1	
0.063	1.1	0 - 15

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Report Format: PSDagg/TP17/Rep Issue 1 Rev 1 08/23

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END OF REPORT

DETERMINATION OF WATER CONTENT OF AGGREGATE

BS EN 1097-5: 2008 - Drying in a ventilated oven

REPORT NUMBER:	C5001518 / 355950.4.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	See Below	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	See Below	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	01/07/2025	SUPPLIER:	Site won, Site won
SAMPLED BY:	Kyle Ager	MATERIAL:	See Below
DATE RECEIVED:	02/07/2025	LOCATION:	See Below
DATE COMPLETED:	17/07/2025	PREPARATION METHOD:	BS EN 932-2
TESTED BY:	Husain Mohammad	SAMPLING PLAN:	CTS procedure TP22
TYPE OF SAMPLE:	Disturbed	METHOD OF SAMPLING:	C1 Sampling from large conical stockpiles
ENVIRONMENTAL CONDITIONS:	Sunny		

RESULT Test Location: CTS Heathrow

SAMPLE NO.	CLIENT REF.	LOCATION	MATERIAL DESCRIPTION	NOMINAL SIZE	WATER CONTENT (%)	LOWER LIMIT	UPPER LIMIT
561340	1a stockpile 009	Near to surface	Grey sandy gravel	90	3.1	NA	NA
561344	1a stockpile 010	Near to surface	Grey slightly silty GRAVEL with COBBLES	90	4.0	NA	NA

No specification requirements.

Remarks:

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Shah Alam - Acting Laboratory Manager



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DETERMINATION OF REFERENCE DENSITY AND WATER CONTENT

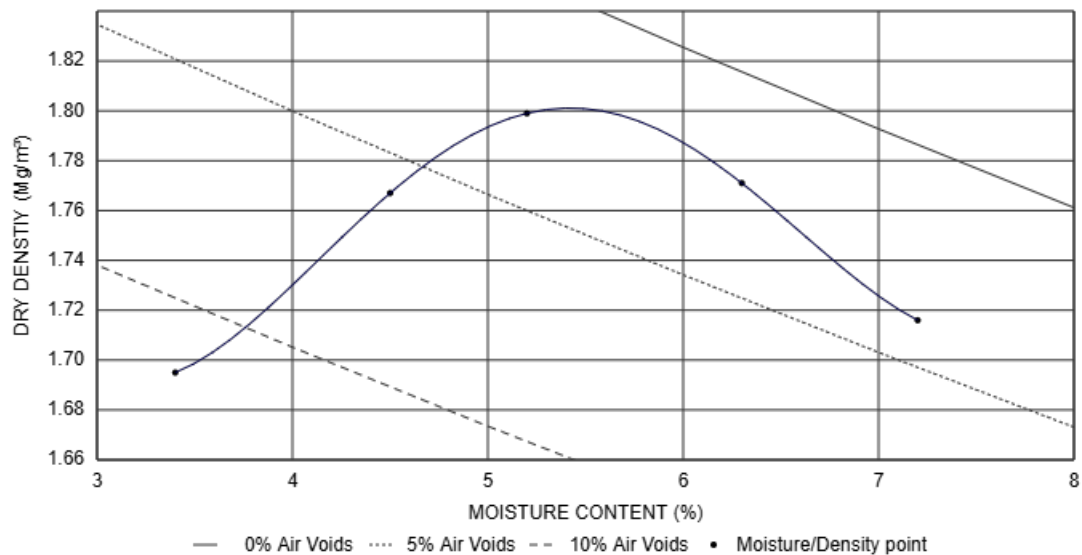
BS EN 13286-4: 2021 - Vibrating Hammer

REPORT NUMBER:	C5001518 / 355950.5.1.2	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	561344	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	355950.1.1.2	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	01/07/2025	SUPPLIER/SOURCE:	Site won, Site won
SAMPLED BY:	Kyle Ager	MATERIAL:	Grey slightly silty GRAVEL with COBBLES 1a
DATE RECEIVED:	02/07/2025	LOCATION:	Near to surface
DATE COMPLETED:	04/08/2025	COMPACTION SAMPLE:	Separate samples
TESTED BY:	HM, BV, PE	SAMPLING PLAN:	CTS procedure TP22
TYPE OF SAMPLE:	Disturbed	SAMPLING METHOD:	C1 Sampling from large conical stockpiles
HAMMER MAKE/MODEL:	Hikoki		
ENVIRONMENTAL CONDITIONS:	Sunny		

RESULT Test Location: CTS Heathrow

MAXIMUM DRY DENSITY: 1.80 Mg/m³
OPTIMUM WATER CONTENT: 5.5 %
AMOUNT (By Dry Mass) RETAINED >40.0mm: 61 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS: 2.05 Mg/m³

MOISTURE CONTENT / DRY DENSITY RELATIONSHIP



Non-standard test as material classified as unsuitable, sample tested at clients request, test results may not be indicative of the material being used on site.

Remarks:
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For and on behalf of CTS
Shah Alam - Acting Laboratory Manager

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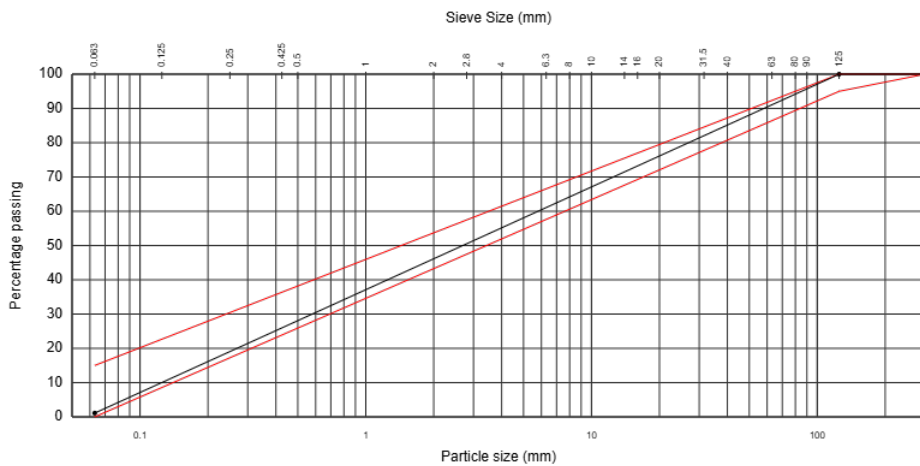
Page 1 of 1

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 Washing & Dry Sieving

REPORT NUMBER:	C5001518 / 355950.6.1.2	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	561344	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	1a stockpile 010	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	01/07/2025	SOURCE / SUPPLIER:	Site won, Site won
SAMPLED BY:	Kyle Ager	MATERIAL:	Grey slightly silty GRAVEL with COBBLES
DATE RECEIVED:	02/07/2025	PROPOSED CLASSIFICATION:	Class 1A
DATE COMPLETED:	16/07/2025	LOCATION:	1a stockpile 010
TESTED BY:	RK, BV	SAMPLING PLAN:	CTS procedure TP22
ENVIRONMENTAL CONDITIONS:	Sunny	METHOD OF SAMPLING:	C1 Sampling from large conical stockpiles

RESULT Test Location: CTS Heathrow



Applied Specification: Class 1A - Specification for Highway Works (2016) Table 6/2 Earthworks Materials - Class 1A
Specification stated as requested, no indication of conformity applied

Uniformity Coefficient (D₆₀/D₁₀) 8 * (Lower limit 10)
BS EN ISO 14688-2: 2018.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	100 - 100
125	100	95 - 100
90	98	
80	95	
63	72	
40	39	
31.5	32	
20	22	
16	19	
14	17	
10	13	
8	11	
6.3	9	
4	6	
2.8	5	
2	4	
1	3	
0.5	2	
0.425	2	
0.25	1	
0.125	1	
0.063	1.1	0 - 15

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END OF REPORT

DETERMINATION OF WATER CONTENT OF AGGREGATE

BS EN 1097-5: 2008 - Drying in a ventilated oven

REPORT NUMBER: C5001518 / 355950.4.1.2
SAMPLE NUMBER: See Below
CLIENT: ERITH CONTRACTORS LTD
CLIENT REF: See Below
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
DATE SAMPLED: 01/07/2025
SITE: Leaside Road, Tottenham
SAMPLED BY: Kyle Ager
SUPPLIER: Site won, Site won
DATE RECEIVED: 02/07/2025
MATERIAL: See Below
DATE COMPLETED: 11/07/2025
LOCATION: See Below
TESTED BY: RK, BV
PREPARATION METHOD: BS EN 932-2
TYPE OF SAMPLE: Disturbed
SAMPLING PLAN: CTS procedure TP22
ENVIRONMENTAL CONDITIONS: Sunny
METHOD OF SAMPLING: C1 Sampling from large conical stockpiles

RESULT Test Location: CTS Heathrow

SAMPLE NO.	CLIENT REF.	LOCATION	MATERIAL DESCRIPTION	NOMINAL SIZE	WATER CONTENT (%)	LOWER LIMIT	UPPER LIMIT
561344	1a stockpile 010	Near to surface	Grey slightly silty GRAVEL with COBBLES	90	4.0	NA	NA

No specification requirements.

Remarks:

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For and on behalf of CTS
Shah Alam - Acting Laboratory Manager



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Report date 11-Jul-25

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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

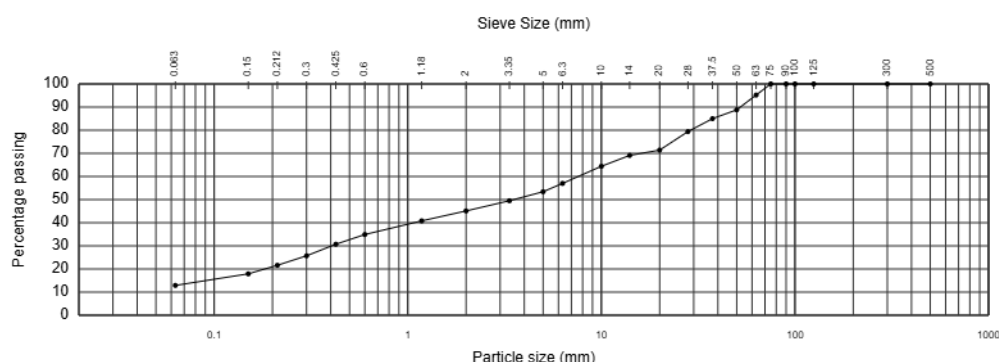
BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330527.11.1.1
SAMPLE NUMBER: 522331
CLIENT REF: 5001518
DATE SAMPLED: 24/01/2025
SAMPLED BY: Daniel O'Reilly
DATE RECEIVED: 27/01/2025
DATE COMPLETED: 04/02/2025
TESTED BY: RK, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Rms recycled materials supplied , Silvertown
MATERIAL DESCRIPTION: Brown slightly sandy clayey GRAVEL
PROPOSED CLASSIFICATION:
LOCATION: 6a stockpile
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow

SIEVE ANALYSIS



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 5%
Percentage GRAVEL: 50%
Percentage SAND: 32%
Percentage SILT/CLAY: 13%

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	95	
50	89	
37.5	85	
28	79	
20	71	
14	69	
10	64	
6.3	57	
5	53	
3.35	50	
2	45	
1.18	41	
0.6	35	
0.425	31	
0.3	26	
0.212	22	
0.15	18	
0.063	13	

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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25



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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330527.15.1.1

SAMPLE NUMBER: 522379

CLIENT REF: 5001518

DATE SAMPLED: 24/01/2025

SAMPLED BY: Daniel O'Reilly

DATE RECEIVED: 27/01/2025

DATE COMPLETED: 04/02/2025

TESTED BY: RK, BV

TYPE OF SAMPLE: Disturbed

VARIATIONS: No variations

METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles

ENVIRONMENTAL CONDITIONS: Overcast

CLIENT:

ERITH CONTRACTORS LTD

ADDRESS:

Erith House, 7 Queen Street, Erith, Kent, DA8 1RP

SITE:

Leeside Road, Tottenham

SOURCE / SUPPLIER:

Rms recycled materials supplied , Silvertown

MATERIAL DESCRIPTION:

Multicoloured slightly silty slightly sandy slightly clayey GRAVEL

PROPOSED CLASSIFICATION:

LOCATION: Material mound

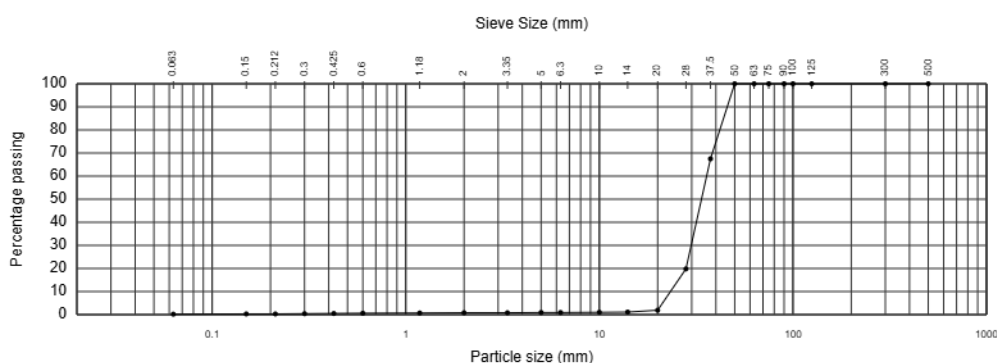
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5

SAMPLING PLAN: Client Specification

LOCATION AND ORIENTATION N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow

SIEVE ANALYSIS



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	63	200
0.020	0.063	0.20	0.63	2.0	6.3	20		
SILT/CLAY	SAND			GRAVEL				

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	68	
28	20	
20	2	
14	1	
10	1	
6.3	1	
5	1	
3.35	1	
2	1	
1.18	1	
0.6	1	
0.425	1	
0.3	0	
0.212	0	
0.15	0	
0.063	0	

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 99%
Percentage SAND: 1%
Percentage SILT/CLAY: 0%

Remarks:

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For and on behalf of CTS

Sasha Mahon - Laboratory Manager



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Report date 04-Feb-25

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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

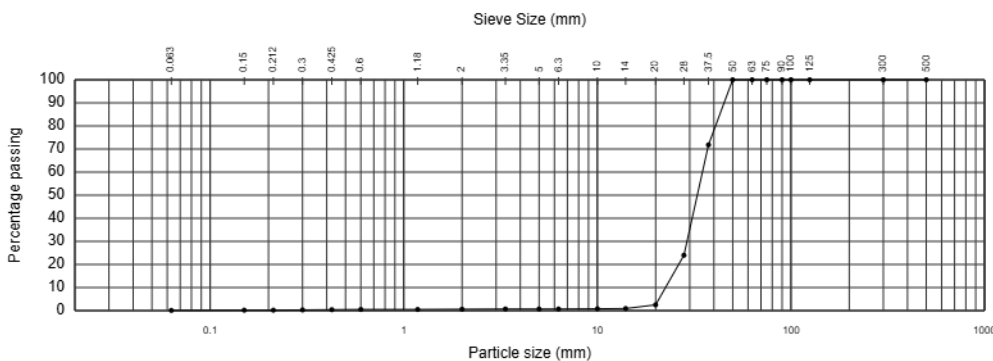
REPORT NUMBER: C5001518 / 330527.17.1.1
SAMPLE NUMBER: 522380
CLIENT REF: 5001518
DATE SAMPLED: 24/01/2025
SAMPLED BY: Daniel O'Reilly
DATE RECEIVED: 27/01/2025

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Rms recycled materials supplied , Silvertown
MATERIAL DESCRIPTION: Multicoloured slightly silty slightly sandy slightly clayey GRAVEL

DATE COMPLETED: 04/02/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Overcast

PROPOSED CLASSIFICATION:
LOCATION: Material mound
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE: N/A

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 99%
Percentage SAND: 1%
Percentage SILT/CLAY: 0%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	72	
28	24	
20	3	
14	1	
10	1	
6.3	1	
5	1	
3.35	1	
2	1	
1.18	1	
0.6	1	
0.425	0	
0.3	0	
0.212	0	
0.15	0	
0.063	0	

Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25



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DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 330527.16.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	522379	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	5001518	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	24/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Daniel O'Reily	MATERIAL:	Multicoloured slightly silty slightly sandy slightly clayey GRAVEL
DATE RECEIVED:	27/01/2025	SUPPLIER:	Rms recycled materials supplied , Silvertown
DATE COMPLETED:	04/02/2025	SOURCE:	Silvertown
TESTED BY:	Husain Mohammad	SAMPLE LOCATION:	Material mound
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 0.984

Penetration A 20.5mm, Water content A: 37.6%

Penetration B 20.8mm, Water content B: 37.1%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	37%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	Non plastic	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	Not available		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	1%	Taken from PSD	
Initial water content determined :	6.8%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

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For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25

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DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 330527.18.1.1		
SAMPLE NUMBER:	522380	CLIENT:	ERITH CONTRACTORS LTD
CLIENT REF:	5001518	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
DATE SAMPLED:	24/01/2025	SITE:	Leeside Road, Tottenham
SAMPLED BY:	Daniel O'Reily	SITE ADDRESS:	Leeside Road, Tottenham,
DATE RECEIVED:	27/01/2025	MATERIAL:	Multicoloured slightly silty slightly sandy slightly clayey GRAVEL 6A
DATE COMPLETED:	04/02/2025	SUPPLIER:	Rms recycled materials supplied , Silvertown
TESTED BY:	Husain Mohammad	SOURCE:	Silvertown
TYPE OF SAMPLE:	Disturbed sample	SAMPLE LOCATION:	Material mound
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A	SAMPLING PLAN:	Client Specification
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 1.03

Penetration A 18.0mm, Water content A: 34.4%

Penetration B 17.9mm, Water content B: 34.7%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	36%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	Non plastic	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	Not available		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	0%	Taken from PSD	
Initial water content determined :	5.7%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

Test results reported relate only to the items tested.

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Report Format: PI/TP04/Rep Issue 1 Rev 2 04/24

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END OF REPORT

For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 04-Feb-25

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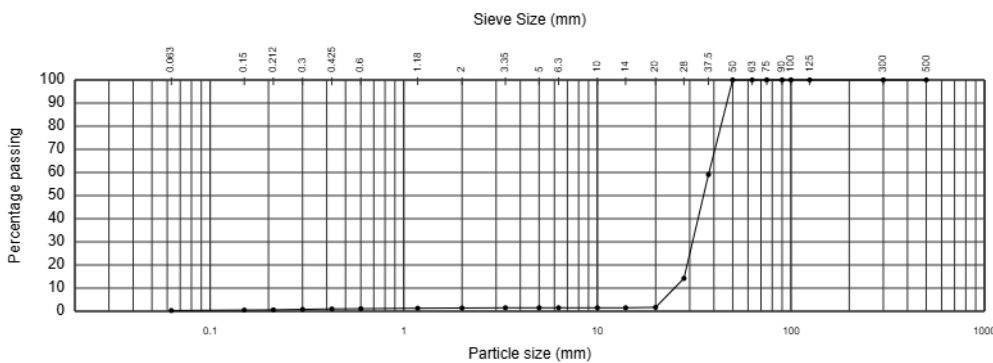
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 334682.19.1.1
SAMPLE NUMBER: 528217
CLIENT REF: 528217
DATE SAMPLED: 20/02/2025
SAMPLED BY: Aaron Henson
DATE RECEIVED: 21/02/2025
DATE COMPLETED: 07/03/2025
TESTED BY: JG, EB, CP
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Raining

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: RMS, Silvertown.
MATERIAL DESCRIPTION: Stone and Brick
PROPOSED CLASSIFICATION:
LOCATION: 6A Stockpile - 4th Round
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: Client Specification
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: MT Billericay



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 99%
Percentage SAND: 1%
Percentage SILT/CLAY: 0%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	59	
28	14	
20	2	
14	2	
10	2	
6.3	2	
5	2	
3.35	2	
2	1	
1.18	1	
0.6	1	
0.425	1	
0.3	1	
0.212	1	
0.15	1	
0.063	0	

Remarks:
Test results reported relate only to the items tested.
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 12-Mar-25



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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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END OF REPORT

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Page 1 of 1

DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 334682.11.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	528217	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	528217	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/02/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Aaron Henson	MATERIAL:	Stone and Brick 6A
DATE RECEIVED:	21/02/2025	SUPPLIER:	RMS, Silvertown.
DATE COMPLETED:	11/03/2025	SOURCE:	Silvertown.
TESTED BY:	Emma Bowyer	SAMPLE LOCATION:	6A Stockpile - 4th Round
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	Client Specification
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Raining

RESULTS: Test Location: MT Billericay

Type of cone used: 80g/30°

Factor for one point test: 0.968

Penetration A 22.5mm, Water content A: 40.1%

Penetration B 22.4mm, Water content B: 40.2%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	39%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	Non plastic	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	Not available		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	1%	Taken from PSD	
Initial water content determined :	6.7%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory

Report date 12-Mar-25

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Report Format: PI/TP04/Rep Issue 1 Rev 2 04/24

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END OF REPORT

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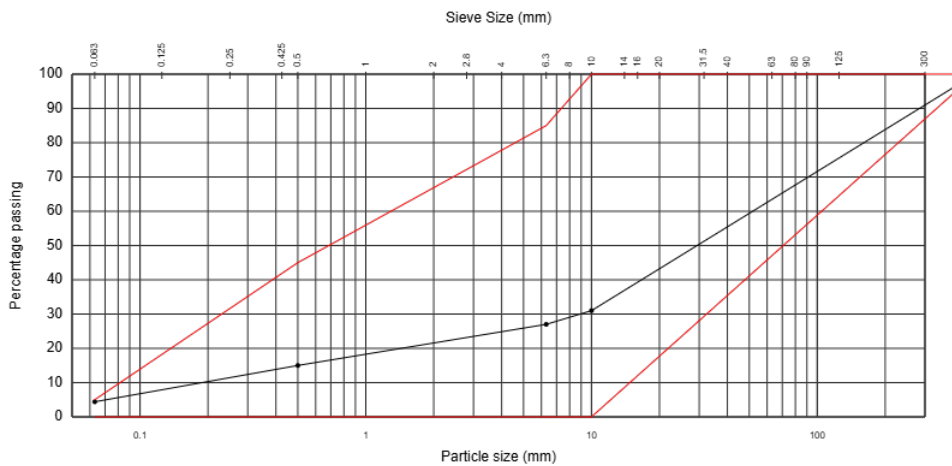
Page 1 of 1

TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 Washing & Dry Sieving

REPORT NUMBER:	C5001518 / 338488.1.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532987	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6A	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	12/03/2025	SOURCE / SUPPLIER:	RMC, Silvertown
SAMPLED BY:	Ben Collins	MATERIAL:	6A
DATE RECEIVED:	13/03/2025	PROPOSED CLASSIFICATION:	Class 6A - Off Site
DATE COMPLETED:	17/03/2025	LOCATION:	Site Stockpile
TESTED BY:	RH, CG, jo	SAMPLING PLAN:	CTS procedure TP41
ENVIRONMENTAL CONDITIONS:	Overcast	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles

RESULT Test Location: Harrietsham Lab



Applied Specification: Class 6A - Off Site - Specification for Highway Works (2016) Table 6/5 Earthworks Materials - Class 6A
Specification stated as requested, no indication of conformity applied

Uniformity Coefficient (D60/D10) 163 (Lower limit 10)
BS EN ISO 14688-2: 2018.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	100 - 100
300	100	
125	100	
90	89	
80	75	
63	64	
40	54	
31.5	47	
20	41	
16	38	
14	36	
10	31	0 - 100
8	29	
6.3	27	0 - 85
4	24	
2.8	23	
2	22	
1	19	
0.5	15	0 - 45
0.425	13	
0.25	8	
0.125	5	
0.063	4.4	0 - 5

Remarks:

Test results reported relate only to the items tested.
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Report Format: PSDagg/TP17/Rep Issue 1 Rev 1 08/23

Northdown House, Ashford Road
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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 17-Mar-25

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DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 337922.10.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532987	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6A	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	12/03/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Ben Collins	MATERIAL:	6A
DATE RECEIVED:	13/03/2025	SUPPLIER:	RMC, Silvertown
DATE COMPLETED:	20/03/2025	SOURCE:	Silvertown
TESTED BY:	Angela Pike-Robinson	SAMPLE LOCATION:	Site Stockpile
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Overcast

RESULTS: Test Location: Harrietsham Lab

Type of cone used: 80g/30°

Factor for one point test: 0.968

Penetration A 21.7mm, Water content A: 37.8%

Penetration B 21.7mm, Water content B: 38.1%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	37%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	Non plastic	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	Not available		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	13%	Taken from PSD	
Initial water content determined :	8.7%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CTS

Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 20-Mar-25

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DETERMINATION OF BINDER CONTENT

BS EN 12697-1: 2020 Clauses B.1.4.4 Bottle Rotation and B.2.2 Pressure Filter

REPORT NUMBER:	C5001518 / 337922.19.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532988	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	337922.11.1.1	MATERIAL:	6F5
DATE SAMPLED:	12/03/2025	SITE:	Leeside Road, Tottenham
SAMPLED BY:	Ben Collins	AGGREGATE:	Unknown
DATE RECEIVED:	13/03/2025	SUPPLIER:	Not Specified, Not Specified
DATE COMPLETED:	25/03/2025	TICKET No:	Unknown
TESTED BY:	Casey Bassant	LOCATION:	Site Stockpile
SAMPLING CERTIFICATE:	Yes	DEVIATIONS:	None
SAMPLING PLAN:	CTS procedure TP41		

RESULT: Test Location: Harrietsham Lab

		Specification Limits
SOLUBLE BINDER CONTENT	4.4%	

Remarks:
Test results reported relate only to the items tested.
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Report Format: BitDiff/TP56/Rep Issue 1 Rev 2 02/24

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END OF REPORT

For and on behalf of CTS
Dan Gay - Regional Laboratory Manager



Approved Signatory
Report date 26-Mar-25

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DETERMINATION OF REFERENCE DENSITY AND WATER CONTENT

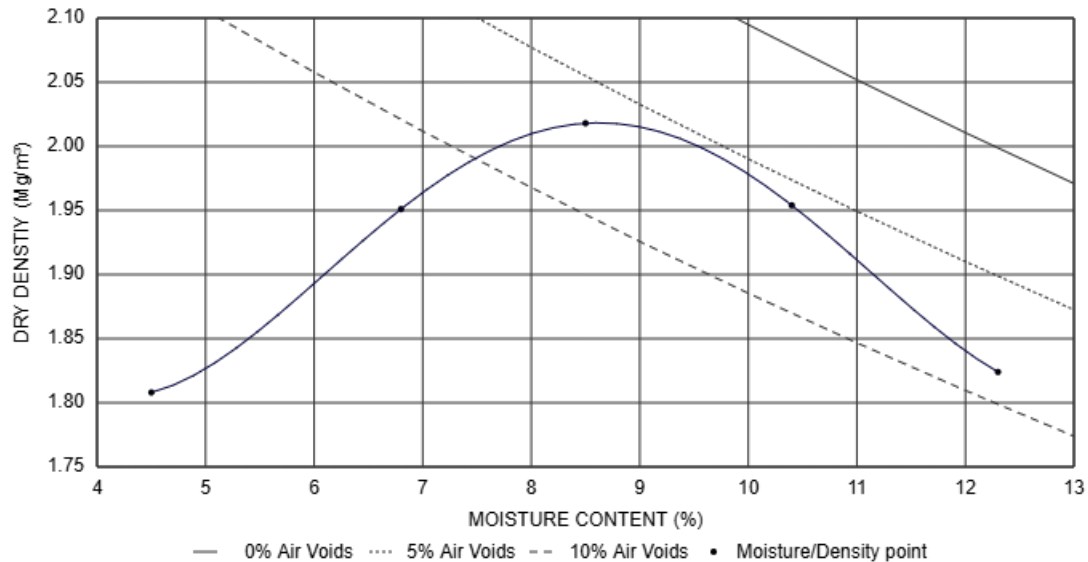
BS EN 13286-4: 2021 - Vibrating Hammer

REPORT NUMBER:	C5001518 / 337922.21.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532988	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	337922.11.1.1	SITE:	Leaside Road, Tottenham
DATE SAMPLED:	12/03/2025	SUPPLIER/SOURCE:	Not Specified, Not Specified
SAMPLED BY:	Ben Collins	MATERIAL:	6F5
DATE RECEIVED:	13/03/2025	LOCATION:	Site Stockpile
DATE COMPLETED:	25/03/2025	COMPACTION SAMPLE:	Separate samples
TESTED BY:	RH, BC	SAMPLING PLAN:	CTS procedure TP41
TYPE OF SAMPLE:	Disturbed	SAMPLING METHOD:	Method 4: Sampling material from heaps / stockpiles
HAMMER MAKE/MODEL:	Makita		
ENVIRONMENTAL CONDITIONS:	Overcast		

RESULT Test Location: Harrietsham Lab

MAXIMUM DRY DENSITY: 2.02 Mg/m³
OPTIMUM WATER CONTENT: 8.5 %
AMOUNT (By Dry Mass) RETAINED >40.0mm: 34 %
ASSUMED PARTICLE DENSITY USED TO PLOT AIR VOIDS: 2.65 Mg/m³

MOISTURE CONTENT / DRY DENSITY RELATIONSHIP



Remarks:
Test results reported relate only to the items tested.
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Report Format: BSENM CVib/TP34/Rep Issue 1 Rev 1 09/23

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END OF REPORT

For and on behalf of CTS
Dan Gay - Regional Laboratory Manager

DG

Approved Signatory
Report date 25-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



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DETERMINATION OF RESISTANCE OF COARSE AGGREGATE TO FRAGMENTATION

Los Angeles Test BS EN 1097-2: 2020

REPORT NUMBER:	C5001518 / 337922.14.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	533857	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6F5	SITE:	Leeside Road, Tottenham
DATE RECEIVED:	19/03/2025	SUPPLIER:	Not Specified
DATE SAMPLED:	12/03/2025	SOURCE:	Not Specified
DATE COMPLETED:	26/03/2025	MATERIAL:	6F5
TESTED BY:	Colin Gourlay	LOCATION:	Site Stockpile
ACCEPTABLE STANDARD:	Contract Specification	SAMPLING CERTIFICATE:	Available
SAMPLING PLAN:	Client Provided	ENVIRONMENTAL CONDITIONS:	Overcast
METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles		

TEST RESULT: Test Location: Harritsham

SPECIFICATION REQUIREMENTS

	LOWER LIMIT	UPPER LIMIT
THE LOS ANGELES COEFFICIENT (LA)::	41	50
SIZE FRACTION FROM WHICH TEST PORTION WAS OBTAINED:	10-14 mm	

Remarks:

Test results reported relate only to the items tested.
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Report Format: LA/TP19/Rep Issue 1 Rev 1 09/23

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For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 26-Mar-25

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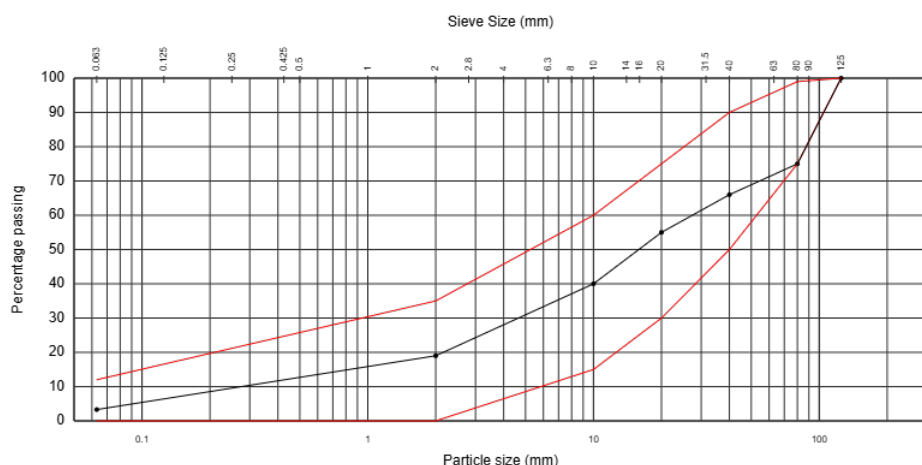
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TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 Washing & Dry Sieving

REPORT NUMBER:	C5001518 / 337922.22.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532988	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6F5	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	12/03/2025	SOURCE / SUPPLIER:	Not Specified, Not Specified
SAMPLED BY:	Ben Collins	MATERIAL:	6F5
DATE RECEIVED:	13/03/2025	PROPOSED CLASSIFICATION:	Class 6F5
DATE COMPLETED:	20/03/2025	LOCATION:	Site Stockpile
TESTED BY:	RH, CG, jo	SAMPLING PLAN:	CTS procedure TP41
ENVIRONMENTAL CONDITIONS:	Overcast	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles

RESULT Test Location: Harrietsham Lab



Applied Specification: Class 6F5 - Specification for Highway Works (2016) Table 6/5 Earthworks Materials - Class 6F5
Specification stated as requested, no indication of conformity applied

Uniformity Coefficient (D60/D10) 47
BS EN ISO 14688-2: 2018.

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	100 - 100
90	83	
80	75	75 - 99
63	69	
40	66	50 - 90
31.5	62	
20	55	30 - 75
16	52	
14	49	
10	40	15 - 60
8	36	
6.3	32	
4	26	
2.8	22	
2	19	0 - 35
1	13	
0.5	9	
0.425	8	
0.25	6	
0.125	4	
0.063	3.3	0 - 12

Remarks:

Test results reported relate only to the items tested.
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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 20-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333



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TEST REPORT :
DETERMINATION OF THE GEOMETRICAL PROPERTIES OF AGGREGATE

BSEN 933-11:2009 Classification Test For The Constituents Of Coarse Recycled Aggregate

REPORT No.:	5001518 / 337922.20.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE No.:	532988	ADDRESS:	Erith House
CLIENT REF:	6F5	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	12/03/2025	SUPPLIER:	Not Specified
SAMPLED BY:	Ben Collins	MATERIAL:	6F5
DATE RECEIVED:	13/03/2025	LOCATION:	Site Stockpile
DATE TEST COMPLETED:	20/03/2025	ACCEPT STD:	Contract Specification
TESTED BY:	AR	SAMPLING CERT.:	Available
DRYING TEMPERATURE:	40 ± 5°C		

TEST RESULT:

	<u>CONSTITUENT</u>	<u>FOUND PROPORTION</u>	<u>SPECIFICATION (%)</u>
Rc -	Concrete, concrete products & concrete masonry units.	68.2 %	Not Specified
Ru -	Unbound aggregate, natural stone & Hydraulically bound aggregate.	19 %	Not Specified
	(% of CHALK found within Ru)	0.0 %	
Rb -	Clay masonry units (ie.bricks & tiles), calcium silicate masonry units & aerated non-floating concrete	12.5 %	Not Specified
Ra -	Bituminous Material	0 %	50
Rg -	Glass	0.2 %	Not Specified
X -	Other: Cohesive (ie clay & soil), gypsum plaster, miscellaneous - metals (ferrous & non ferrous), non-floating wood, plastic & rubber.	0.0 %	1.0
FL -	Floating Particles	0.0 cm ³ /kg	Not Specified

REMARKS:

The material supplied complies with the specification limits stated
 Test results reported relate only to the items tested.
 This report shall not be reproduced except in full without approval of the laboratory.

Remaining sample will be retained for a minimum of 28 days from date of report.

For and on behalf of CTS



Chris Davidson - Regional Laboratories Manager
 Dan Gay - Laboratory Manager
 Matt Butt - Operations Manager
 Mike Gray - Laboratory Supervisor



4161

Page 1 of 1

Report Format: L/Rep A16/rev.1

Approved signatory
 20-Mar-25

DETERMINATION OF RESISTANCE OF COARSE AGGREGATE TO FRAGMENTATION

Los Angeles Test BS EN 1097-2: 2020

REPORT NUMBER:	C5001518 / 337922.14.1.2	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	533862	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6F5	SITE:	Leeside Road, Tottenham
DATE RECEIVED:	19/03/2025	SUPPLIER:	Not Specified
DATE SAMPLED:	12/03/2025	SOURCE:	Not Specified
DATE COMPLETED:	26/03/2025	MATERIAL:	6F5
TESTED BY:	Colin Gourlay	LOCATION:	Site Stockpile
ACCEPTABLE STANDARD:	Contract Specification	SAMPLING CERTIFICATE:	Available
SAMPLING PLAN:	Client Provided	ENVIRONMENTAL CONDITIONS:	Overcast
METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles		

TEST RESULT: Test Location: Harritsham

SPECIFICATION REQUIREMENTS

	LOWER LIMIT	UPPER LIMIT
THE LOS ANGELES COEFFICIENT (LA)::	37	50
SIZE FRACTION FROM WHICH TEST PORTION WAS OBTAINED:	10-14 mm	

Remarks:

Test results reported relate only to the items tested.
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Report Format: LA/TP19/Rep Issue 1 Rev 1 09/23

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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 26-Mar-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

Report version 1



4161

DETERMINATION OF RESISTANCE OF COARSE AGGREGATE TO FRAGMENTATION

Los Angeles Test BS EN 1097-2: 2020

REPORT NUMBER:	C5001518 / 337922.14.1.3	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	532988	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	6F5	SITE:	Leeside Road, Tottenham
DATE RECEIVED:	13/03/2025	SUPPLIER:	Not Specified
DATE SAMPLED:	12/03/2025	SOURCE:	Not Specified
DATE COMPLETED:	26/03/2025	MATERIAL:	6F5
TESTED BY:	Colin Gourlay	LOCATION:	Site Stockpile
ACCEPTABLE STANDARD:	Contract Specification	SAMPLING CERTIFICATE:	Available
SAMPLING PLAN:	Client Provided	ENVIRONMENTAL CONDITIONS:	Overcast
METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles		

TEST RESULT: Test Location: Harritsham

SPECIFICATION REQUIREMENTS

	LOWER LIMIT	UPPER LIMIT
THE LOS ANGELES COEFFICIENT (LA)::	40	50
SIZE FRACTION FROM WHICH TEST PORTION WAS OBTAINED:	10-14 mm	

Remarks:

Test results reported relate only to the items tested.
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Report Format: LA/TP19/Rep Issue 1 Rev 1 09/23

Northdown House, Ashford Road
Harrietsham, Nr Maidstone
Kent ME17 1QW

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END OF REPORT

For and on behalf of CTS
Mike Gray - Laboratory Supervisor



Approved Signatory
Report date 26-Mar-25

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Registered in England No. 05998333

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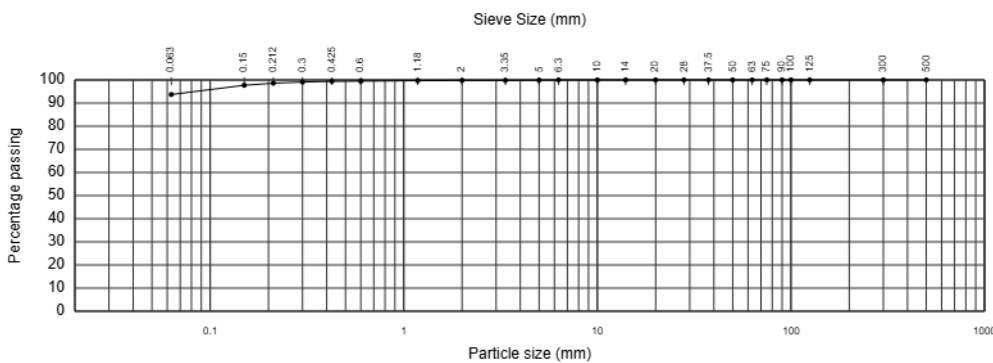
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330657.4.1.1
SAMPLE NUMBER: 521348
CLIENT REF: 5001518
DATE SAMPLED: 20/01/2025
SAMPLED BY: Karanjit Pawaar
DATE RECEIVED: 23/01/2025
DATE COMPLETED: 03/02/2025
TESTED BY: RK, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Clear

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Not Specified, Not Specified
MATERIAL DESCRIPTION: Brown slightly silty slightly sandy CLAY
PROPOSED CLASSIFICATION:
LOCATION: Stockpile
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY			SAND			GRAVEL		
						COBBLE		
						BOULDERS		

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 0%
Percentage SAND: 6%
Percentage SILT/CLAY: 94%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	100	
28	100	
20	100	
14	100	
10	100	
6.3	100	
5	100	
3.35	100	
2	100	
1.18	100	
0.6	100	
0.425	99	
0.3	99	
0.212	99	
0.15	98	
0.063	94	

Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 03-Feb-25



4161

Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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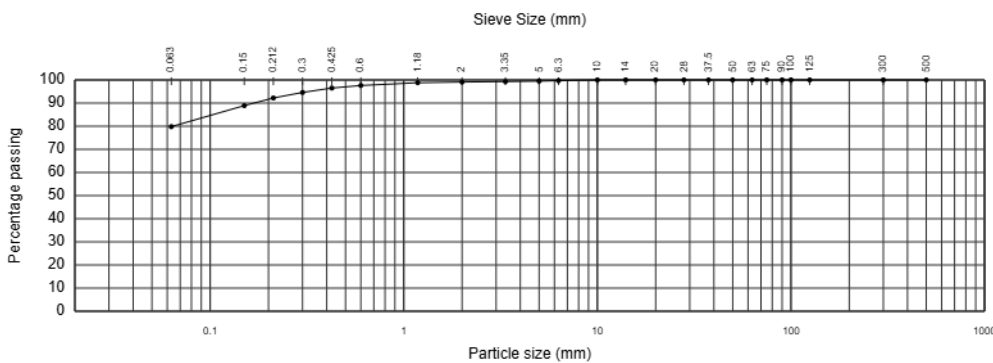
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330657.3.1.1
SAMPLE NUMBER: 521352
CLIENT REF: 5001518
DATE SAMPLED: 20/01/2025
SAMPLED BY: Karanjit Pawaar
DATE RECEIVED: 23/01/2025
DATE COMPLETED: 06/02/2025
TESTED BY: JP, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Clear

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Not Specified, Not Specified
MATERIAL DESCRIPTION: Brown slightly silty slightly sandy CLAY
PROPOSED CLASSIFICATION:
LOCATION: Stockpile
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY	SAND		GRAVEL				COBBLE	BOULDERS

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 1%
Percentage SAND: 19%
Percentage SILT/CLAY: 80%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	100	
28	100	
20	100	
14	100	
10	100	
6.3	100	
5	100	
3.35	99	
2	99	
1.18	99	
0.6	98	
0.425	97	
0.3	95	
0.212	92	
0.15	89	
0.063	80	

Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 06-Feb-25

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Registered in England No. 05998333



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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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Poyle Road
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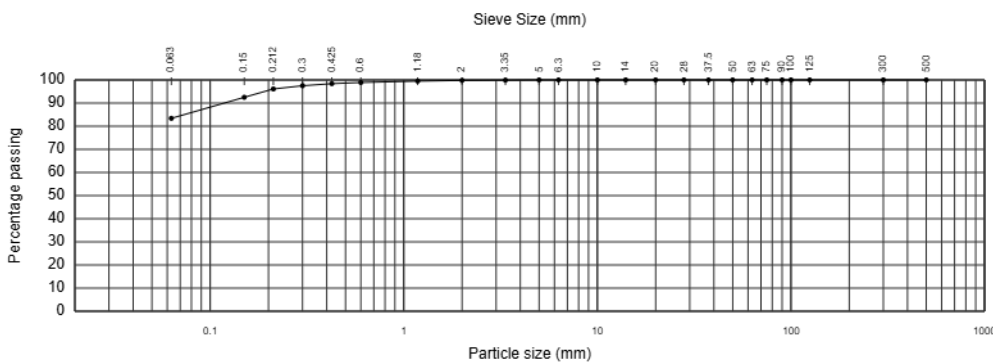
TEST REPORT: DETERMINATION OF PARTICLE SIZE DISTRIBUTION

BS 1377-2: 2022 Clause 10 & BS EN ISO 17892-4: 2016

REPORT NUMBER: C5001518 / 330657.2.1.1
SAMPLE NUMBER: 521350
CLIENT REF: 5001518
DATE SAMPLED: 20/01/2025
SAMPLED BY: Karanjit Pawaar
DATE RECEIVED: 23/01/2025
DATE COMPLETED: 03/02/2025
TESTED BY: RK, BV
TYPE OF SAMPLE: Disturbed
VARIATIONS: No variations
METHOD OF SAMPLING: Method 4: Sampling material from heaps / stockpiles
ENVIRONMENTAL CONDITIONS: Clear

CLIENT: ERITH CONTRACTORS LTD
ADDRESS: Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
SITE: Leaside Road, Tottenham
SOURCE / SUPPLIER: Not Specified, Not Specified
MATERIAL DESCRIPTION: Brown slightly silty slightly sandy CLAY
PROPOSED CLASSIFICATION:
LOCATION: Stockpile
PREPARATION METHOD: BS 1377:Part 1:2016 clause 8.3 & 8.4.5
SAMPLING PLAN: CTS procedure TP41
LOCATION AND ORIENTATION: N/A
WITHIN SAMPLE:

RESULT Test Location: CTS Heathrow



Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
0.020	0.063	0.20	0.63	2.0	6.3	20	63	200
SILT/CLAY			SAND			GRAVEL		
						COBBLE		
						BOULDERS		

Percentage BOULDERS: 0%
Percentage COBBLES: 0%
Percentage GRAVEL: 0%
Percentage SAND: 16%
Percentage SILT/CLAY: 83%

SIEVE ANALYSIS

Particle Diameter mm	Passing %	Specification Limits
500	100	
300	100	
125	100	
100	100	
90	100	
75	100	
63	100	
50	100	
37.5	100	
28	100	
20	100	
14	100	
10	100	
6.3	100	
5	100	
3.35	100	
2	100	
1.18	100	
0.6	99	
0.425	98	
0.3	98	
0.212	96	
0.15	93	
0.063	83	

Remarks:
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For and on behalf of CTS
Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 03-Feb-25



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Report Format: PSDsoil/TPTBA/Rep Issue 1 Rev 2 04/24

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Report version 1

Page 1 of 1

DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 330611.12.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	521348	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	5001518	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Karanjit Pawaar	MATERIAL:	Clay
DATE RECEIVED:	23/01/2025	SUPPLIER:	Not Specified, Not Specified
DATE COMPLETED:	10/02/2025	SOURCE:	Not Specified
TESTED BY:	TT, HM	SAMPLE LOCATION:	Stockpile
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Clear

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 1

Penetration A 20.5mm, Water content A: 72.5%

Penetration B 20.4mm, Water content B: 72.5%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	73%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	32%	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	41%		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	100%	Wet-Sieving	
Initial water content determined :	53.4%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

Test results reported relate only to the items tested.

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END OF REPORT

For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 10-Feb-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333

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DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 330611.4.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	521350	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	5001518	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Karanjit Pawaar	MATERIAL:	Brown slightly silty slightly sandy CLAY
DATE RECEIVED:	23/01/2025	SUPPLIER:	Not Specified, Not Specified
DATE COMPLETED:	10/02/2025	SOURCE:	Not Specified
TESTED BY:	TT, HM	SAMPLE LOCATION:	Stockpile
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Clear

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 1

Penetration A 19.6mm, Water content A: 75.6%

Penetration B 19.7mm, Water content B: 75.5%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	76%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	35%	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	41%		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	100%	Wet-Sieving	
Initial water content determined :	53.2%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

Remarks:

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For and on behalf of CTS

Sasha Mahon - Laboratory Manager



Approved Signatory
Report date 10-Feb-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333



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Report Format: PI/TP04/Rep Issue 1 Rev 2 04/24

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DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:	C5001518 / 330611.8.1.1	CLIENT:	ERITH CONTRACTORS LTD
SAMPLE NUMBER:	521352	ADDRESS:	Erith House, 7 Queen Street, Erith, Kent, DA8 1RP
CLIENT REF:	5001518	SITE:	Leeside Road, Tottenham
DATE SAMPLED:	20/01/2025	SITE ADDRESS:	Leeside Road, Tottenham,
SAMPLED BY:	Karanjit Pawaar	MATERIAL:	Brown slightly silty slightly sandy CLAY
DATE RECEIVED:	23/01/2025	SUPPLIER:	Not Specified, Not Specified
DATE COMPLETED:	06/02/2025	SOURCE:	Not Specified
TESTED BY:	TT, RK	SAMPLE LOCATION:	Stockpile
TYPE OF SAMPLE:	Disturbed sample	SAMPLING PLAN:	CTS procedure TP41
LOCATION AND ORIENTATION WITHIN SAMPLE:	N/A		
VISUAL DESCRIPTION:	Not required	METHOD OF SAMPLING:	Method 4: Sampling material from heaps / stockpiles
		ENVIRONMENTAL CONDITIONS:	Clear

RESULTS: Test Location: CTS Heathrow

Type of cone used: 80g/30°

Factor for one point test: 1

Penetration A 19.4mm, Water content A: 76.9%

Penetration B 19.9mm, Water content B: 77.0%

TEST DETAILS (One point method)	TEST RESULT	SPECIFICATION LIMITS	
		Lower Limit	Upper Limit
THE LIQUID LIMIT OF THE SAMPLE:	77%	N/A	N/A
THE PLASTIC LIMIT OF THE SAMPLE:	27%	N/A	N/A
THE PLASTICITY INDEX OF THE SAMPLE:	50%		
THE PERCENTAGE PASSING 425µm TEST SIEVE:	100%	Wet-Sieving	
Initial water content determined :	50.5%		
Sample History:	The material was tested after washing through a 425µm test sieve		

Remarks:

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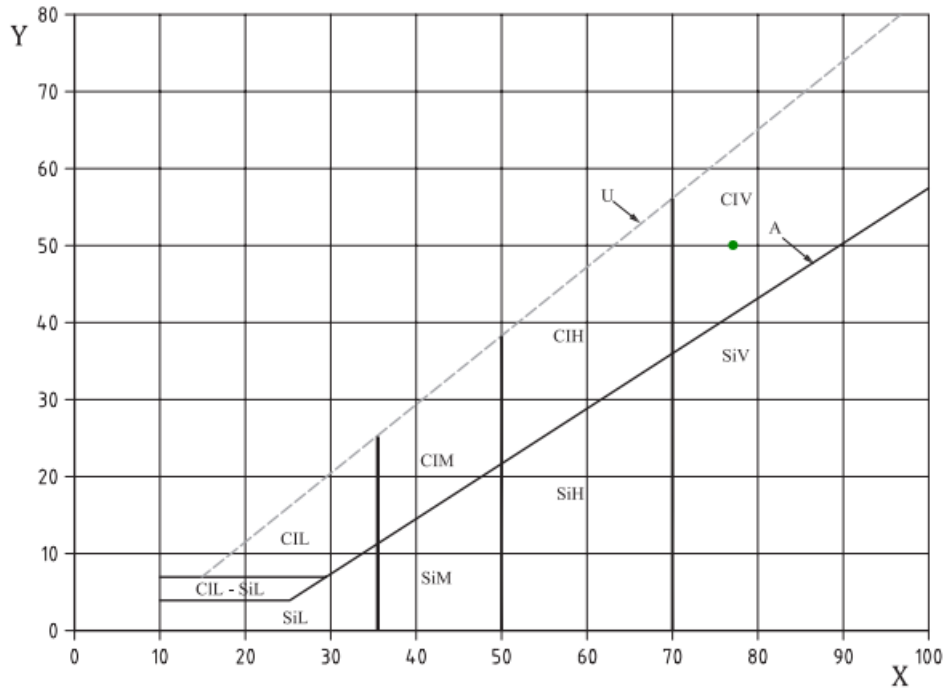
Page 1 of 2

DETERMINATION OF THE PLASTICITY INDEX OF SOIL

BS 1377-2: 2022 Clause 5.3 & 6 & BS EN ISO 17892-12: 2018 + A2: 2022 Fall Cone Method

REPORT NUMBER:

C5001518 / 330611.8.1.1



Key

X liquid limit, w_L				Y plasticity index, I_P
Soil type		Plasticity		
				Liquid limit
Cl	Clay	L	Low	<35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	>70
		O	Organic	append to classification for organic material (e.g. ClHO)
U line	$I_P = 0,9 (w_L - 8)$			A line $I_P = 0,73 (w_L - 20)$

Figure 1 — Plasticity chart

Liquid limit correction value will be taken from BS 1377-2 : 2022, unless otherwise requested.

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For and on behalf of CTS
Sasha Mahon - Laboratory Manager

Sasha Mahon

Approved Signatory
Report date 06-Feb-25

Construction Testing Solutions Ltd.
Registered in England No. 05998333



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Report Format: PI/TP04/Rep Issue 1 Rev 2 04/24

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Report version 1

Page 2 of 2



LABORATORY REPORT



Contract Number: PSL25/0552

Report Date: 06 February 2025
Client's Reference: CTS034343
Client Name: CTS Group - Heathrow
Unit 12
Britannia Ind Est
Poyle Rd
Colnbrook
SL3 0BH

For the attention of: Sasha Mahon

Contract Title: Leaside Road, Tottenham

Date Received: 27/1/2025
Date Commenced: 27/1/2025
Date Completed: 6/2/2025

Notes: Opinions and Interpretations are outside the UKAS Accreditation

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Checked and Approved Signatories:

A Watkins
(Managing Director)

R Berriman
(Associate Director)

S Royle
(Laboratory Manager)

L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)


A Fry
(Section Manager)

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Page 1 of

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Client Reference: 521348

Source: Not Specified

CTS Reference: 521348

Supplier: Not Specified

Sample Type: B

Location: Stockpile

Date Sampled: 24/01/25

Description of Specimen
Brown slightly sandy silty CLAY.
Remarks
Remoulded using 2.5kg effort @ NMC

Initial Specimen Conditions		
Height	mm	101.18
Diameter	mm	101.35
Area	mm ²	8067.47
Volume	cm ³	816.27
Mass	g	1373
Dry Mass	g	900
Bulk Density	Mg/m ³	1.68
Dry Density	Mg/m ³	1.10
Water Content	%	52.6
Voids Ratio	-	1.404
Specific Gravity	Mg/m ³	2.65
(assumed/measured)	-	assumed

Final Specimen Conditions		
Water Content	%	47.3
Bulk Density	Mg/m ³	1.62
Dry Density	Mg/m ³	1.10

Test Setup		
Date Started		29/01/2025
Date Finished		03/02/2025
Top Drain Used		Y
Base Drain Used		Y
Method of Saturation		By back pressure
Direction Of Flow		Vertically Downwards
Saturation Time	Days	1
Consolidation Time	Days	2
Permeability Time	Days	1



Leeside Road, Tottenham

Contract No.

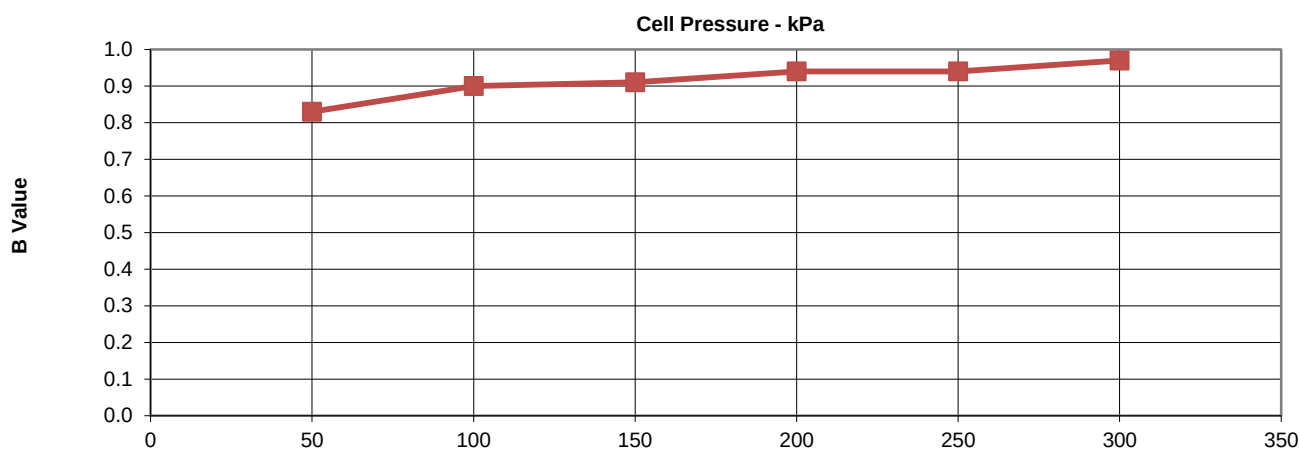
PSL25/0552

Client Ref

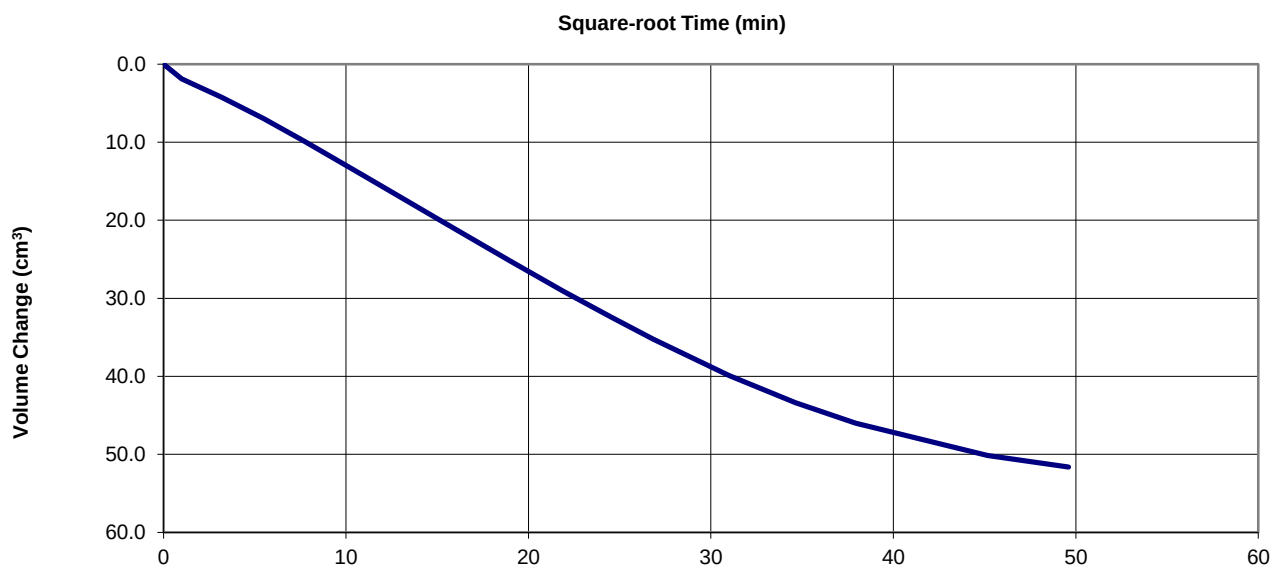
PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521348
Supplier:	m	Not Specified
CTS Reference:		521348
Location:		Stockpile
Saturation		
Cell Pressure Incr.	kPa	50
Back Pressure Incr.	kPa	50
Differential Pressure	kPa	10
Final Cell Pressure	kPa	300
Final B Value	-	0.97



Consolidation		
Effective Pressure	kPa	100
Cell Pressure	kPa	400
Back Pressure	kPa	300
Final PWP	kPa	300
PWP dissipation	%	100



Leeside Road, Tottenham

Contract No.

PSL25/0552

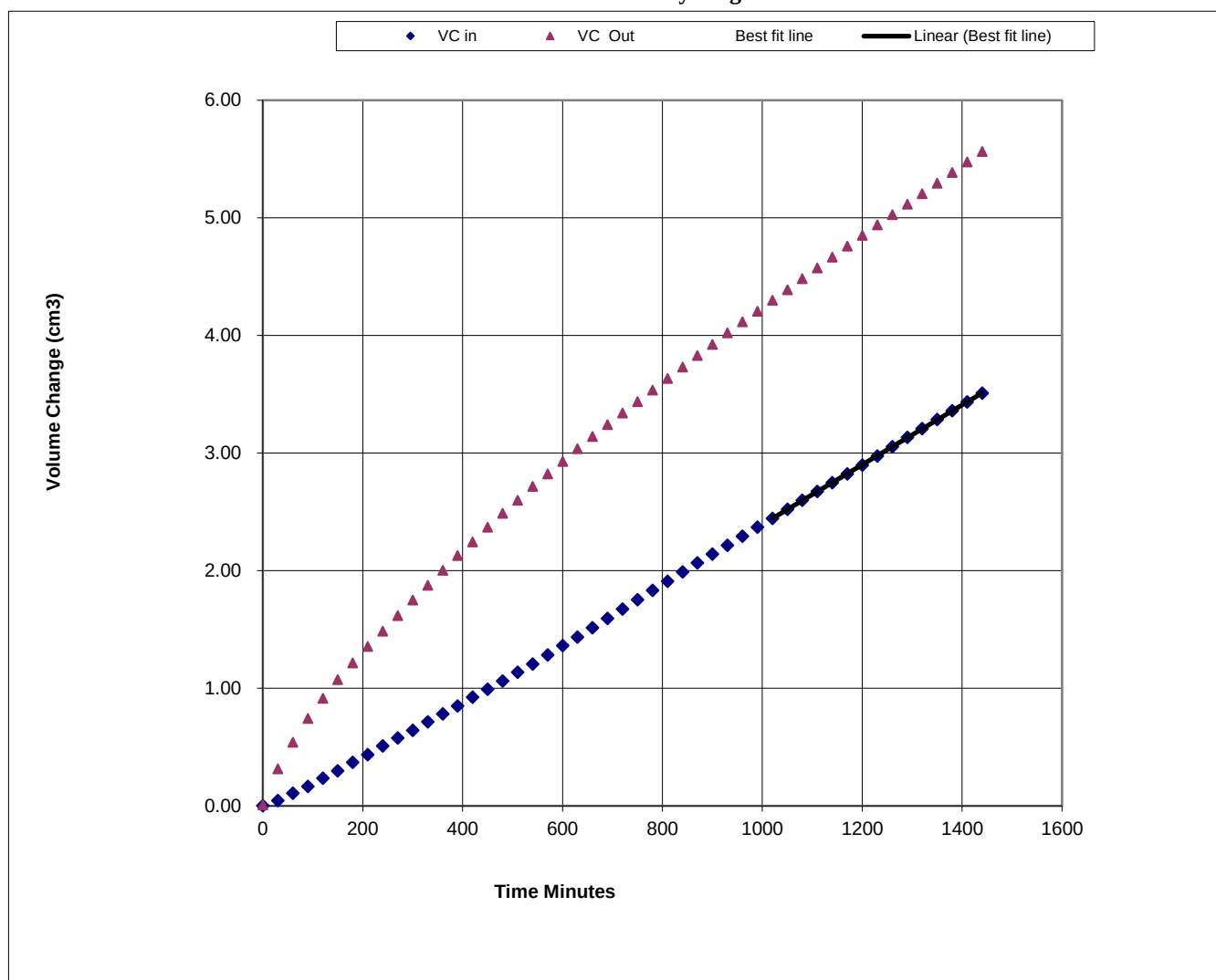
Client Ref

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521348
Supplier:	m	Not Specified
CTS Reference:		521348
Location:		Stockpile

Permeability Stage



Permeability Stage		
Cell Pressure	kPa	400
Mean Effective Stress	kPa	100
Back Pressure Diff.	kPa	20
Mean Rate of Flow	ml/min	0.0025
Average Temperature	'C	20
Vertical Permeability Kv	m/s	2.6E-10



Leeside Road, Tottenham

Contract No.

PSL25/0552

Client Ref



LABORATORY REPORT



Contract Number: PSL25/0552

Report Date: 06 February 2025
Client's Reference: CTS034343
Client Name: CTS Group - Heathrow
Unit 12
Britannia Ind Est
Poyle Rd
Colnbrook
SL3 0BH

For the attention of: Sasha Mahon

Contract Title: Leaside Road, Tottenham

Date Received: 27/1/2025
Date Commenced: 27/1/2025
Date Completed: 6/2/2025

Notes: Opinions and Interpretations are outside the UKAS Accreditation

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Checked and Approved Signatories:

A Watkins
(Managing Director)

R Berriman
(Associate Director)

S Royle
(Laboratory Manager)

L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)


A Fry
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Page 1 of

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Client Reference: 521350

Source: Not Specified

CTS Reference: 521350

Supplier: Not Specified

Sample Type: B

Location: Stockpile

Date Sampled: 24/01/25

Description of Specimen
Brown slightly sandy silty CLAY.
Remarks
Remoulded using 2.5kg effort @ NMC

Initial Specimen Conditions		
Height	mm	101.32
Diameter	mm	101.39
Area	mm ²	8073.84
Volume	cm ³	818.04
Mass	g	1373
Dry Mass	g	893
Bulk Density	Mg/m ³	1.68
Dry Density	Mg/m ³	1.09
Water Content	%	53.8
Voids Ratio	-	1.428
Specific Gravity	Mg/m ³	2.65
(assumed/measured)	-	assumed

Final Specimen Conditions		
Water Content	%	47.7
Bulk Density	Mg/m ³	1.61
Dry Density	Mg/m ³	1.09

Test Setup		
Date Started		29/01/2025
Date Finished		03/02/2025
Top Drain Used		Y
Base Drain Used		Y
Method of Saturation		By back pressure
Direction Of Flow		Vertically Downwards
Saturation Time	Days	1
Consolidation Time	Days	2
Permeability Time	Days	1



Leeside Road, Tottenham

Contract No.

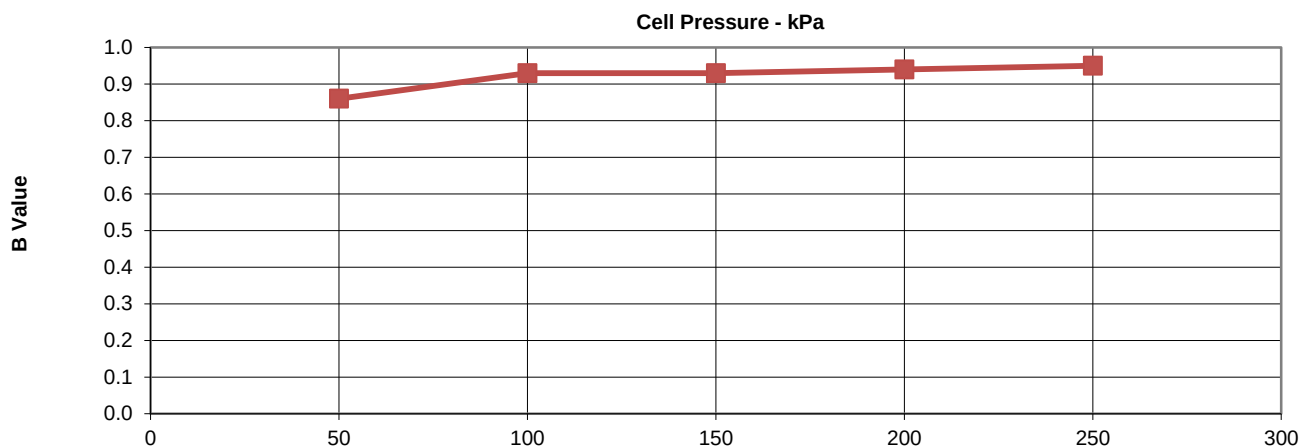
PSL25/0552

Client Ref

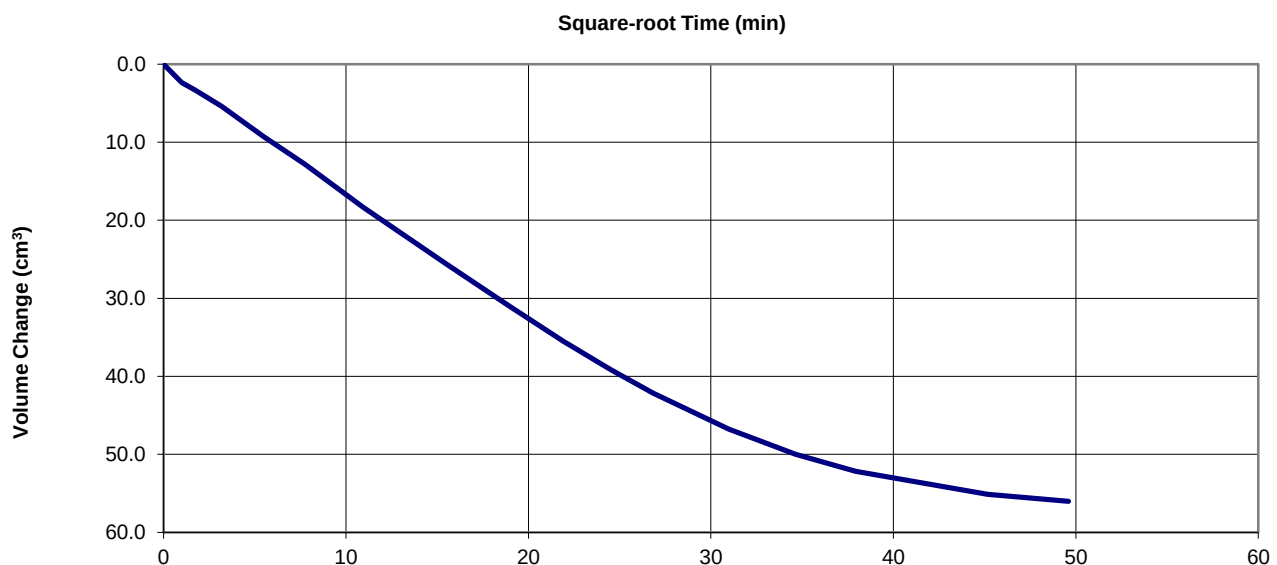
PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521350
Supplier:	m	Not Specified
CTS Reference:		521350
Location:		Stockpile
Saturation		
Cell Pressure Incr.	kPa	50
Back Pressure Incr.	kPa	50
Differential Pressure	kPa	10
Final Cell Pressure	kPa	250
Final B Value	-	0.95



Consolidation		
Effective Pressure	kPa	100
Cell Pressure	kPa	400
Back Pressure	kPa	300
Final PWP	kPa	300
PWP dissipation	%	100



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PSL25/0552

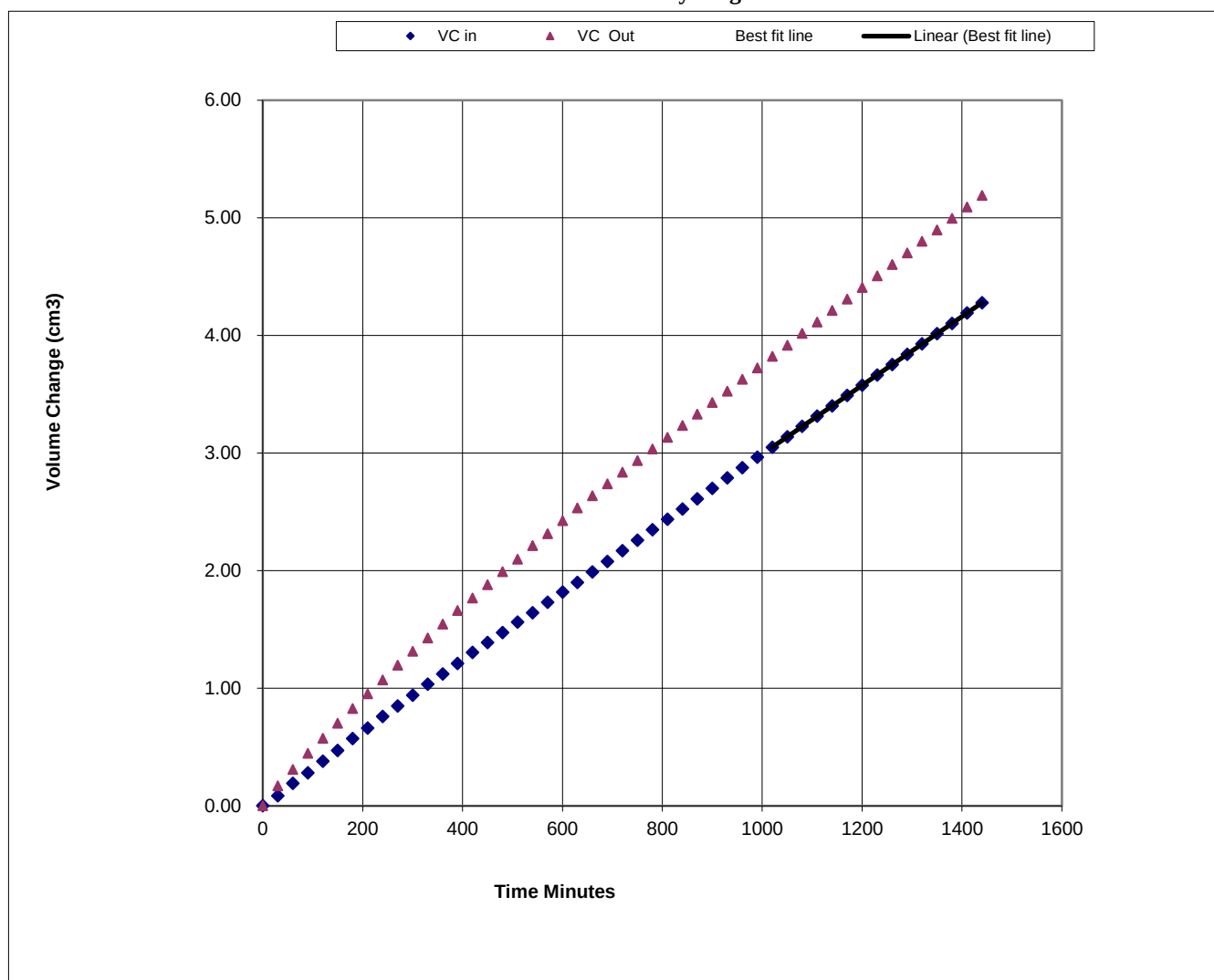
Client Ref

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521350
Supplier:	m	Not Specified
CTS Reference:		521350
Location:		Stockpile

Permeability Stage



Permeability Stage		
Cell Pressure	kPa	400
Mean Effective Stress	kPa	100
Back Pressure Diff.	kPa	20
Mean Rate of Flow	ml/min	0.0029
Average Temperature	'C	20
Vertical Permeability Kv	m/s	3.0E-10



Leeside Road, Tottenham

Contract No.

PSL25/0552

Client Ref



LABORATORY REPORT



Contract Number: PSL25/0552

Report Date: 06 February 2025
Client's Reference: CTS034343
Client Name: CTS Group - Heathrow
Unit 12
Britannia Ind Est
Poyle Rd
Colnbrook
SL3 0BH

For the attention of: Sasha Mahon

Contract Title: Leaside Road, Tottenham

Date Received: 27/1/2025
Date Commenced: 27/1/2025
Date Completed: 6/2/2025

Notes: Opinions and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. 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 other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins
(Managing Director)

R Berriman
(Associate Director)

S Royle
(Laboratory Manager)

L Knight
(Assistant Laboratory Manager)

S Eyre
(Senior Technician)


A Fry
(Section Manager)

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PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Client Reference: 521352

Source: Not Specified

CTS Reference: 521352

Supplier: Not Specified

Sample Type: B

Location: Stockpile

Date Sampled: 24/01/25

Description of Specimen
Brown slightly sandy silty CLAY.
Remarks
Remoulded using 2.5kg effort @ NMC

Initial Specimen Conditions		
Height	mm	101.20
Diameter	mm	101.39
Area	mm ²	8073.84
Volume	cm ³	817.07
Mass	g	1381
Dry Mass	g	914
Bulk Density	Mg/m ³	1.69
Dry Density	Mg/m ³	1.12
Water Content	%	51.0
Voids Ratio	-	1.368
Specific Gravity	Mg/m ³	2.65
(assumed/measured)	-	assumed

Final Specimen Conditions		
Water Content	%	46.4
Bulk Density	Mg/m ³	1.64
Dry Density	Mg/m ³	1.12

Test Setup		
Date Started		29/01/2025
Date Finished		03/02/2025
Top Drain Used		Y
Base Drain Used		Y
Method of Saturation		By back pressure
Direction Of Flow		Vertically Downwards
Saturation Time	Days	1
Consolidation Time	Days	2
Permeability Time	Days	1



Leeside Road, Tottenham

Contract No.

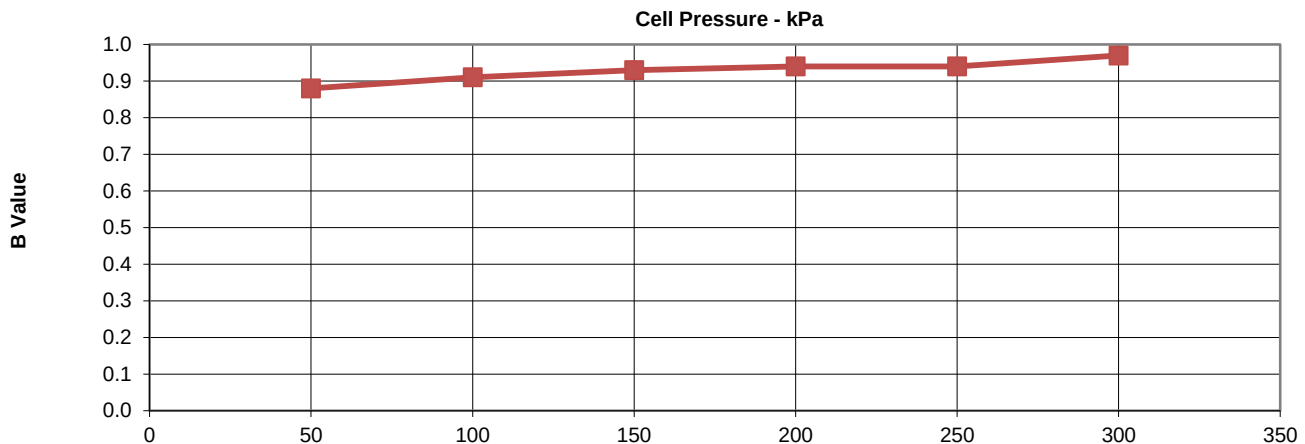
PSL25/0552

Client Ref

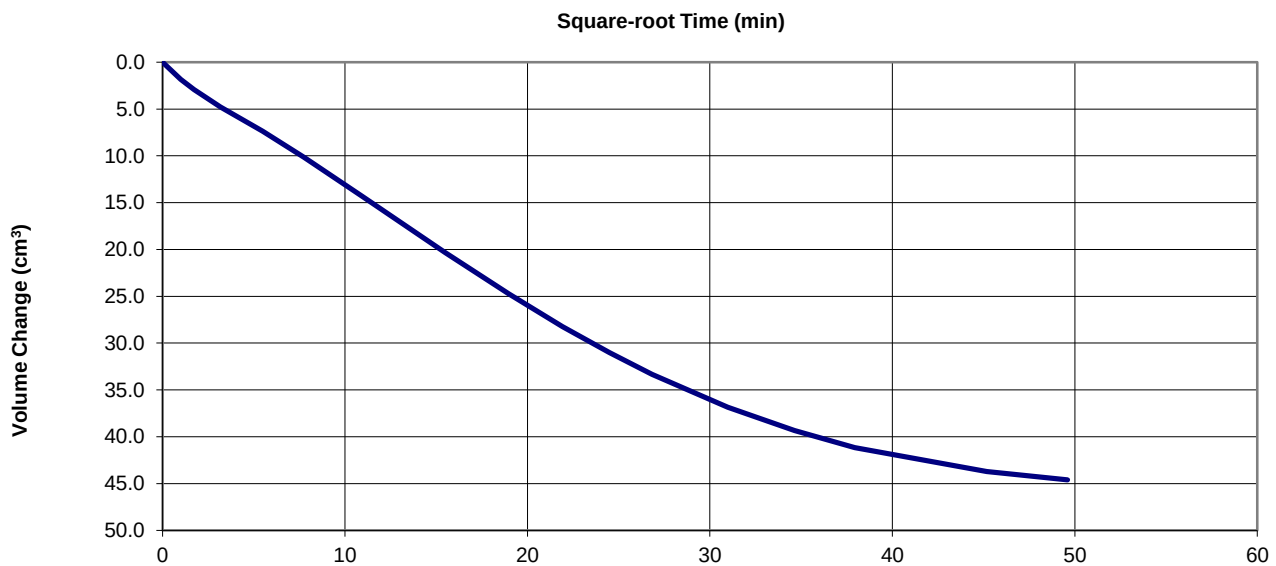
PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521352
Supplier:	m	Not Specified
CTS Reference:		521352
Location:		Stockpile
Saturation		
Cell Pressure Incr.	kPa	50
Back Pressure Incr.	kPa	50
Differential Pressure	kPa	10
Final Cell Pressure	kPa	300
Final B Value	-	0.97



Consolidation		
Effective Pressure	kPa	100
Cell Pressure	kPa	400
Back Pressure	kPa	300
Final PWP	kPa	300
PWP dissipation	%	100



Leeside Road, Tottenham

Contract No.

PSL25/0552

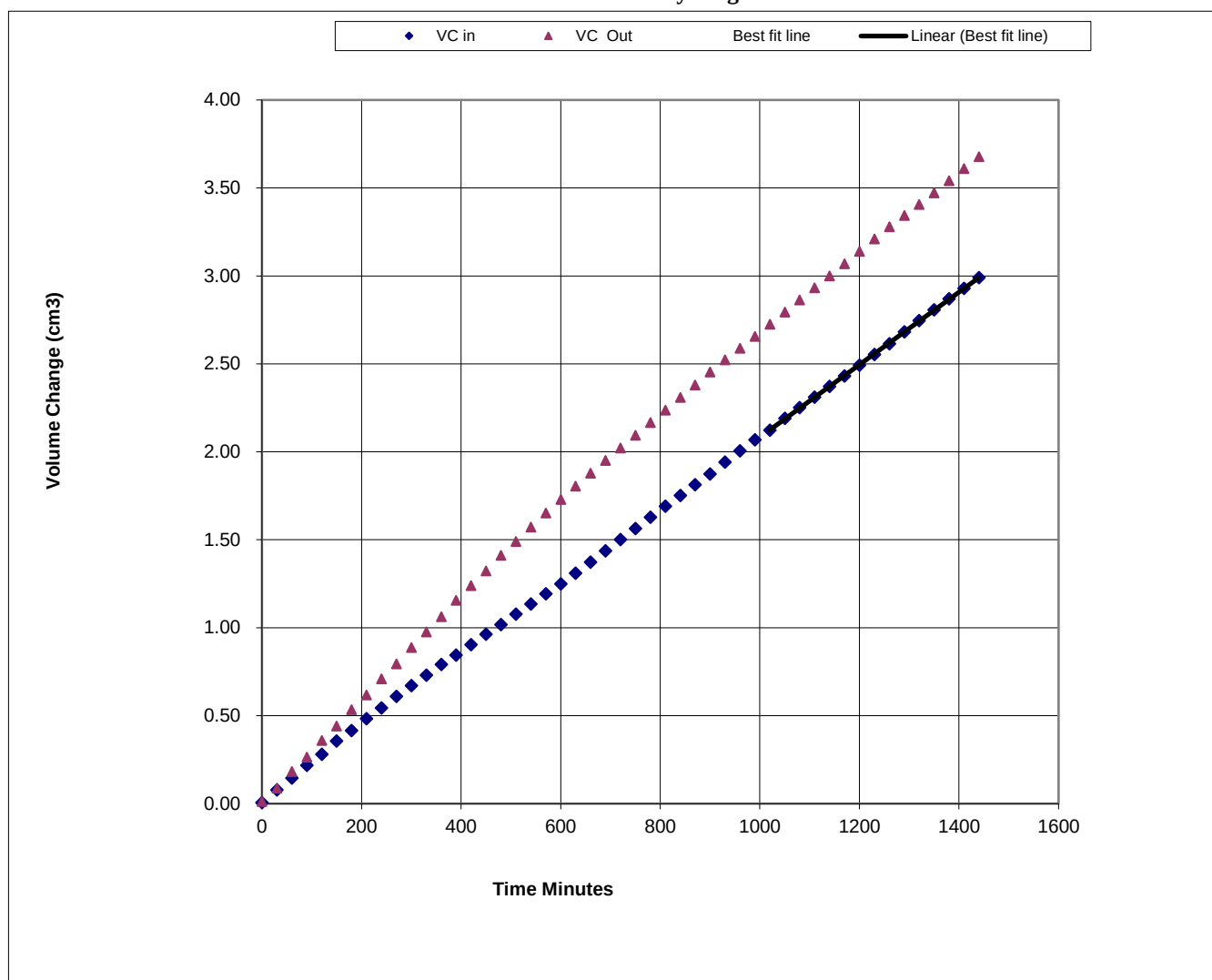
Client Ref

PERMEABILITY IN A TRIAXIAL CELL

BS 1377 - Part 2 : 2022 : Clause 23 in accordance with BS EN ISO 17892 - 11 : 2019

Specimen Details		
Client Reference:		521352
Supplier:	m	Not Specified
CTS Reference:		521352
Location:		Stockpile

Permeability Stage



Permeability Stage		
Cell Pressure	kPa	400
Mean Effective Stress	kPa	100
Back Pressure Diff.	kPa	20
Mean Rate of Flow	ml/min	0.0021
Average Temperature	'C	20
Vertical Permeability Kv	m/s	2.1E-10



Leeside Road, Tottenham

Contract No.
PSL25/0552
Client Ref