

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-02814	22-02814	22-02814	22-02814	22-02814	22-02814	22-02814	22-02814	22-02814
Quotation No.: Q21-22809	Chemtest Sample ID.:				1359723	1359724	1359725	1359726	1359727	1359728	1359729	1359730	1359731
Order No.: L2695	Client Sample Ref.:				12	20	30	43	51	56	62	66	10
	Sample Location:				BH108	BH108	BH108	BH108	BH108	BH108	BH108	BH108	BH109
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				4.0	10.0	13.0	17.0	19.5	21.0	23.0	24.0	8.5
	Bottom Depth (m):				4.5	10.45	13.45	17.45	19.95	21.45	23.45	24.45	8.95
	Date Sampled:				26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022
Determinand	Accred.	SOP	Units	LOD									
Moisture	N	2030	%	0.020	4.7	20	21	41	20	17	22	18	21
pH (2.5:1)	N	2010		4.0	8.5	8.4	8.3	7.0	7.0	7.1	6.9	8.4	8.2
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010								
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	< 0.010								
Sulphate (2:1 Extract)	U	2120	mg/kg	20		110	110	120	150	140	64	180	240
Total Sulphur	U	2175	%	0.010		0.38	0.55	0.39	0.43	0.47	< 0.010	0.64	0.58
Chloride (Water Soluble)	U	2220	g/l	0.010	0.16								
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010								
Sulphate (Acid Soluble)	U	2430	%	0.010		0.024	0.027	0.016	0.040	0.021	0.022	0.017	0.043

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:					22-02814	22-02814	22-02814	22-02814	22-02814
Quotation No.: Q21-22809	Chemtest Sample ID.:					1359732	1359733	1359734	1359735	1359736
Order No.: L2695	Client Sample Ref.:					19	30	40	51	60
	Sample Location:					BH109	BH109	BH109	BH109	BH109
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					11.0	14.5	17.0	20.5	23.0
	Bottom Depth (m):					11.45	14.95	17.45	20.95	23.45
	Date Sampled:					26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022	26-Jan-2022
Determinand	Accred.	SOP	Units	LOD						
Moisture	N	2030	%	0.020	20	24	19	18	18	
pH (2.5:1)	N	2010		4.0	8.7	8.3	8.7	8.6	8.7	
Magnesium (Water Soluble)	N	2120	g/l	0.010						
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010						
Sulphate (2:1 Extract)	U	2120	mg/kg	20	120	340	92	440	620	
Total Sulphur	U	2175	%	0.010	0.51	0.50	0.53	1.1	0.34	
Chloride (Water Soluble)	U	2220	g/l	0.010						
Nitrate (Water Soluble)	N	2220	g/l	0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010	0.022	0.028	0.028	0.068	0.065	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°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
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.

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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

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 TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°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

Sample Deviation Codes

- 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 - Insufficient Sample (Applies to LOI in Trommel Fines Only)

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

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



2183

Final Report

Report No.:	22-03038-1		
Initial Date of Issue:	03-Feb-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	28-Jan-2022
Order No.:	L2697	Date Instructed:	28-Jan-2022
No. of Samples:	3		
Turnaround (Wkdays):	5	Results Due:	03-Feb-2022
Date Approved:	03-Feb-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-03038	22-03038	22-03038
Quotation No.: Q21-22809	Chemtest Sample ID.:				1360914	1360915	1360916
Order No.: L2697	Client Sample Ref.:				5	10	15
	Sample Location:				BH109	WS207C	WS207C
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				6.0	2.0	4.0
	Bottom Depth (m):				6.5	3.0	5.0
	Date Sampled:				27-Jan-2022	27-Jan-2022	27-Jan-2022
Determinand	Accred.	SOP	Units	LOD			
Moisture	N	2030	%	0.020	7.6	27	21
pH (2.5:1)	N	2010		4.0	8.3	8.4	8.3
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010		
Sulphate (2:1 Water Soluble) as SO4	U	2120	g/l	0.010	< 0.010		
Sulphate (2:1 Extract)	U	2120	mg/kg	20		58	820
Total Sulphur	U	2175	%	0.010		0.031	0.37
Chloride (Water Soluble)	U	2220	g/l	0.010	< 0.010		
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010		
Sulphate (Acid Soluble)	U	2430	%	0.010		0.055	0.11
Organic Matter	U	2625	%	0.40		0.67	

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°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
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.

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The results relate only to the items tested

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Sample Deviation Codes

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- D - Broken Container
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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

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



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Final Report

Report No.:	22-04097-1		
Initial Date of Issue:	09-Feb-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	04-Feb-2022
Order No.:	L2713	Date Instructed:	04-Feb-2022
No. of Samples:	2		
Turnaround (Wkdays):	4	Results Due:	09-Feb-2022
Date Approved:	09-Feb-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:				22-04097	22-04097
Quotation No.: Q21-22809	Chemtest Sample ID.:				1365699	1365700
Order No.: L2713	Client Sample Ref.:				9	13
	Sample Location:				BH102B	WS206
	Sample Type:				SOIL	SOIL
	Top Depth (m):				2.00	3.00
	Date Sampled:				02-Feb-2022	02-Feb-2022
Determinand	Accred.	SOP	Units	LOD		
Moisture	N	2030	%	0.020	8.0	26
pH (2.5:1)	N	2010		4.0	10.9	8.0
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	1.0	
Sulphate (2:1 Extract)	U	2120	mg/kg	20		620
Total Sulphur	U	2175	%	0.010		0.40
Chloride (Water Soluble)	U	2220	g/l	0.010	0.033	
Nitrate (Water Soluble)	N	2220	g/l	0.010	0.031	
Sulphate (Acid Soluble)	U	2430	%	0.010		0.26

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°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
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
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Sample Retention and Disposal

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

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2183

Final Report

Report No.:	22-04256-1		
Initial Date of Issue:	09-Feb-2022		
Client	Concept Consultants		
Client Address:	Unit D, Herald Way Binley Industrial Estate Coventry CV3 2RQ		
Contact(s):	Kasia Mazerant Lab Lynn Griffin		
Project	21/3600 L4 Colt DCS Data Centre		
Quotation No.:	Q21-22809	Date Received:	07-Feb-2022
Order No.:	L2716	Date Instructed:	07-Feb-2022
No. of Samples:	1		
Turnaround (Wkdays):	3	Results Due:	09-Feb-2022
Date Approved:	09-Feb-2022		
Approved By:			
Details:	Stuart Henderson, Technical Manager		

Results - Soil

Project: 21/3600 L4 Colt DCS Data Centre

Client: Concept Consultants	Chemtest Job No.:		22-04256		
Quotation No.: Q21-22809	Chemtest Sample ID.:		1366402		
Order No.: L2716	Client Sample Ref.:		4		
	Sample Location:		BH108		
	Sample Type:		SOIL		
	Top Depth (m):		0.60		
	Date Sampled:		31-Jan-2022		
Determinand	Accred.	SOP	Units	LOD	
Moisture	N	2030	%	0.020	6.6
pH (2.5:1)	N	2010		4.0	9.5
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010
Sulphate (2:1 Water Soluble) as SO ₄	U	2120	g/l	0.010	1.4
Chloride (Water Soluble)	U	2220	g/l	0.010	0.018
Nitrate (Water Soluble)	N	2220	g/l	0.010	0.044

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	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 <37°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
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.

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**Magdalena**

Concept Site Investigations
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London
W3 0RF

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e: Concept Group

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 22-31431

Project / Site name:	L4 Colt DCS Data Centre	Samples received on:	06/01/2022
Your job number:	21 3600	Samples instructed on/ Analysis started on:	06/01/2022
Your order number:	L2674	Analysis completed by:	11/01/2022
Report Issue Number:	1	Report issued on:	11/01/2022
Samples Analysed:	3 soil samples		

Signed: *Karolina Marek*

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 22-31431
 Project / Site name: L4 Colt DCS Data Centre
 Your Order No: L2674

Lab Sample Number				2129662	2129663	2129664
Sample Reference				BH104A	TP307	TP309A
Sample Number				6	4	1
Depth (m)				1.00-1.20	0.50	0.25-0.40
Date Sampled				06/01/2022	06/01/2022	06/01/2022
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	DSA	DSA	DSA

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 22-31431

Project / Site name: L4 Colt DCS Data Centre

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

**Magdalena**

Concept Site Investigations
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Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

Analytical Report Number : 21-22215

Replaces Analytical Report Number: 21-22215, issue no. 1
Client sampling date amended.

Project / Site name:	L4 Colt DCS Data Centre	Samples received on:	11/11/2021
Your job number:	21 3600	Samples instructed on/ Analysis started on:	11/11/2021
Your order number:	L2640	Analysis completed by:	09/02/2022
Report Issue Number:	2	Report issued on:	09/02/2022
Samples Analysed:	1 bulk sample		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

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asbestos - 6 months from reporting

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Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 21-22215
 Project / Site name: L4 Colt DCS Data Centre
 Your Order No: L2640

Lab Sample Number				2079080
Sample Reference				BH105
Sample Number				6
Depth (m)				1.00
Date Sampled				11/11/2021
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected
Asbestos Analyst ID	N/A	N/A	N/A	JSW

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number : 21-22215

Project / Site name: L4 Colt DCS Data Centre

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025

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Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

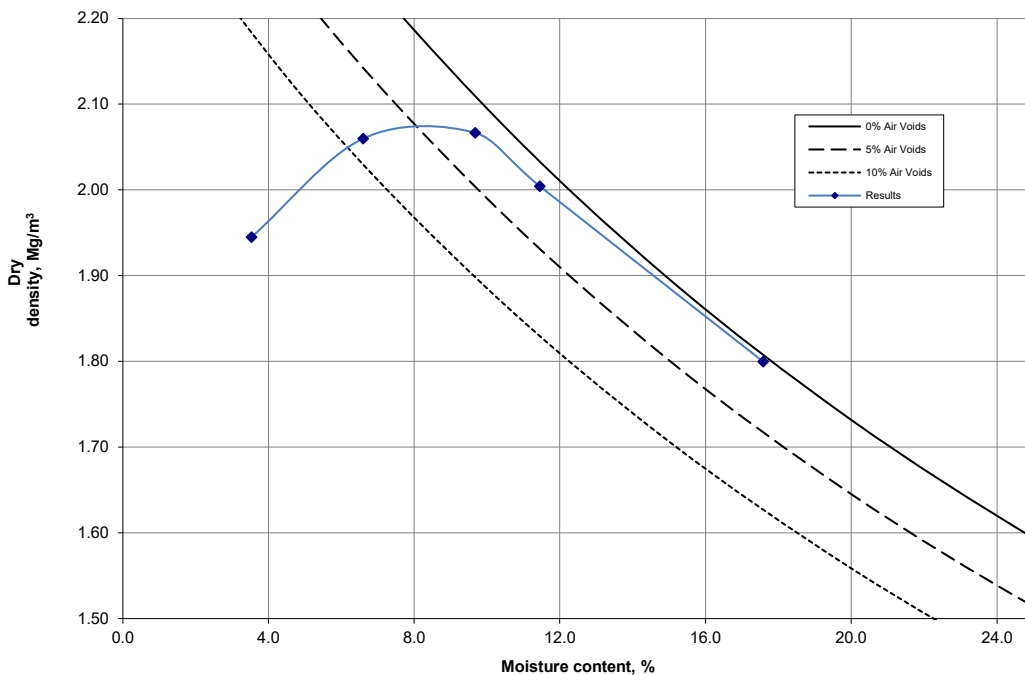
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	13/01/2022

Test Report - Compaction

BH/TP No	BH103A	Description: Brown very sandy fine to coarse flint GRAVEL with occasional pockets of clay
Sample Type	B	
Sample No	3	
Depth (m)	1.20	



Preparation / Test Method	BS 1377: Part 4: CL: 3.2.5.2	Maximum Dry Density	2.08	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	8	%
Mould Type	CBR	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	1	%
Remarks		Retained on 20mm test sieve	12	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

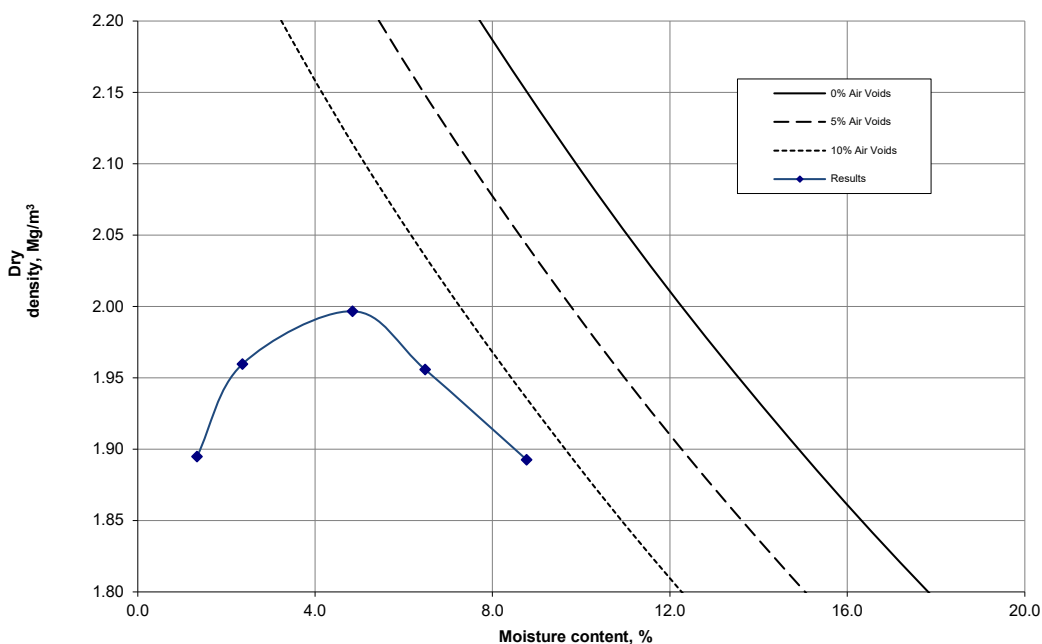
Date - samples received:	16/08/2022	CONCEPT Unit D, Herald way, Coventry CV3 2RQ Tel: 02477087673 Email: coventrylab@conceptconsultants.co.uk
Date - sample testing commenced :	22/12/2021	
Date - sample testing completed :	04/01/2022	
Checked / Approved by: KM Date Approved: 13/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	28/01/2022

Test Report - Compaction

BH/TP No	BH103A	Description: Light brown sandy fine to medium flint GRAVEL with rare pockets of clay
Sample Type	B	
Sample No	12	
Depth (m)	4.50	



Test Results

Preparation / Test Method	BS 1377: Part 4: CL: 3.2.5.3	Maximum Dry Density	2.00	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	5	%
Mould Type	CBR	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	6	%
Remarks		Retained on 20mm test sieve	34	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

Date - samples received:	16/08/2022		
Date - sample testing commenced :	20/01/2022	Checked / Approved by:	KM
Date - sample testing completed :	21/01/2022	Date Approved:	28/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

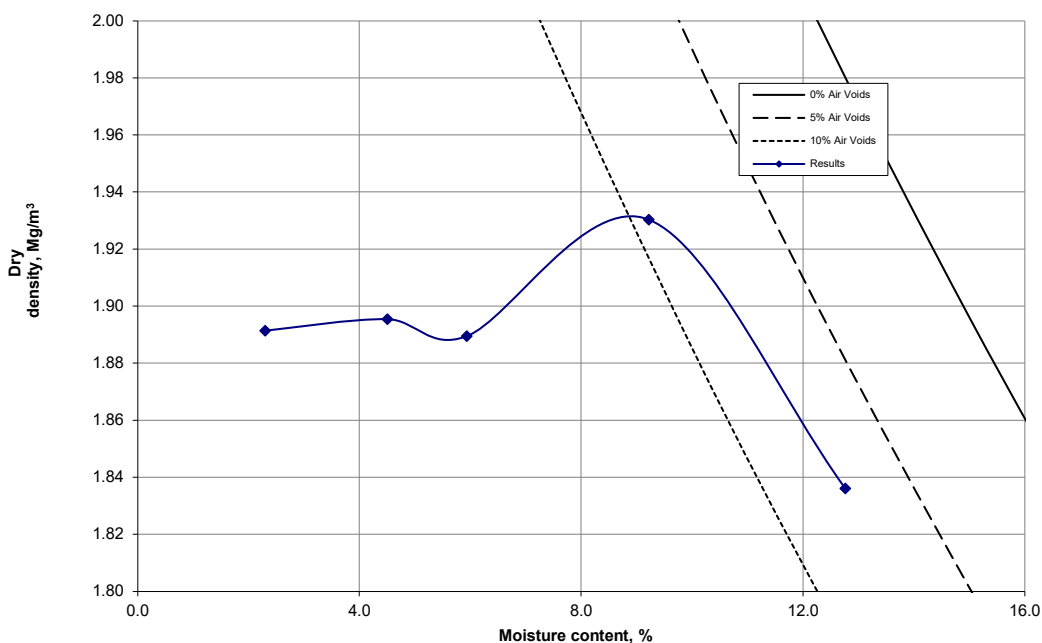
CONCEPT
Unit D, Herald way, Coventry CV3 2RQ
Tel: 02477087673
Email: coventrylab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	13/01/2022

Test Report - Compaction

BH/TP No	BH103A	Description: Light brown sandy fine to medium flint GRAVEL with rare pockets of clay
Sample Type	B	
Sample No	21	
Depth (m)	8.50	



Test Results

Preparation / Test Method	BS 1377: Part 4: CL: 3.2.4.2	Maximum Dry Density	1.93	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	9	%
Mould Type	1 Litre	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	0	%
Remarks		Retained on 20mm test sieve	3	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

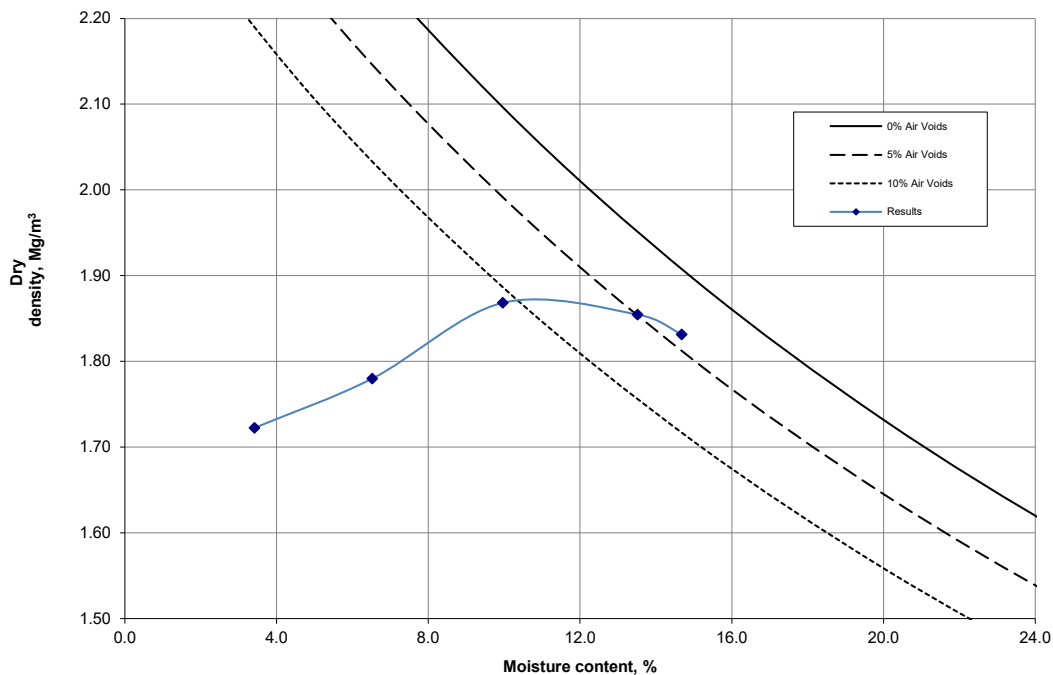
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Date - sample testing commenced :	22/12/2021	Checked / Approved by:	KM
Date - sample testing completed :	04/01/2022	Date Approved:	13/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	28/01/2022

Test Report - Compaction

BH/TP No	BH104A	Description: Brownish grey slightly silty very sandy GRAVEL with medium cobble content. Gravel comprises of fine to coarse brick and concrete fragments
Sample Type	B	
Sample No	6	
Depth (m)	1.00	



Preparation / Test Method	BS 1377: Part 4: CL: 3.2.5.3	Maximum Dry Density	1.87	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	10	%
Mould Type	CBR	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	25	%
Remarks		Retained on 20mm test sieve	9	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

Date - samples received:	01/10/2021		
Date - sample testing commenced :	20/01/2022	Checked / Approved by: KM	
Date - sample testing completed :	24/01/2022	Date Approved:	28/01/2022
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

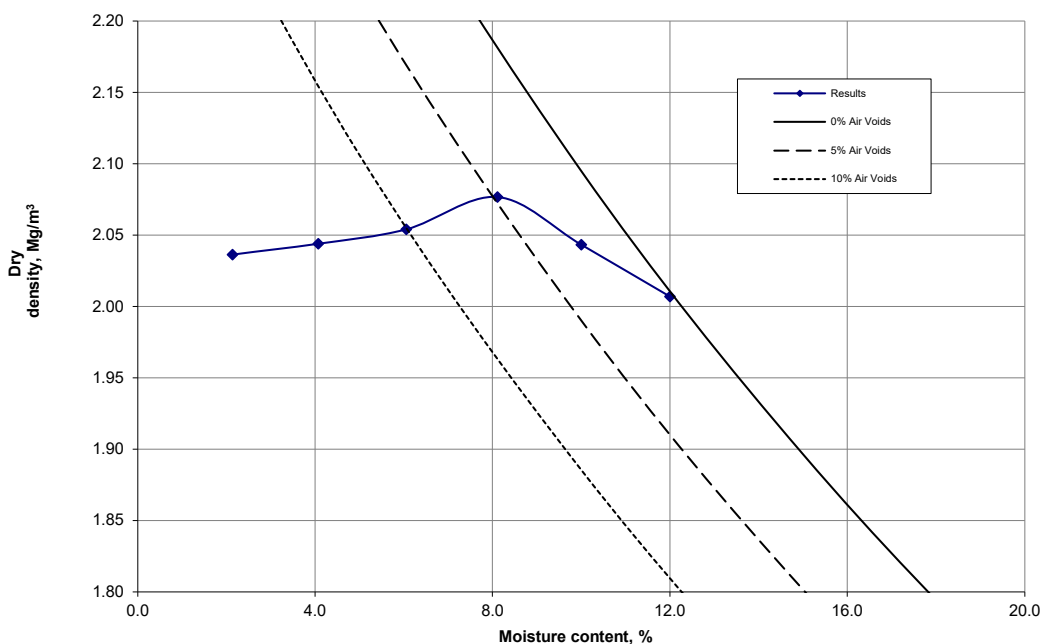
CONCEPT
Unit D, Herald way, Coventry CV3 2RQ
Tel: 02477087673
Email: coventrylab@conceptconsultants.co.uk

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	28/01/2022

Test Report - Compaction

BH/TP No	BH104C	Description: Light brown very sandy fine to coarse flint GRAVEL
Sample Type	B	
Sample No	5	
Depth (m)	3.50	



Test Results

Preparation / Test Method	BS 1377: Part 4: CL: 3.2.5.2	Maximum Dry Density	2.08	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	8	%
Mould Type	CBR	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	2	%
Remarks		Retained on 20mm test sieve	25	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

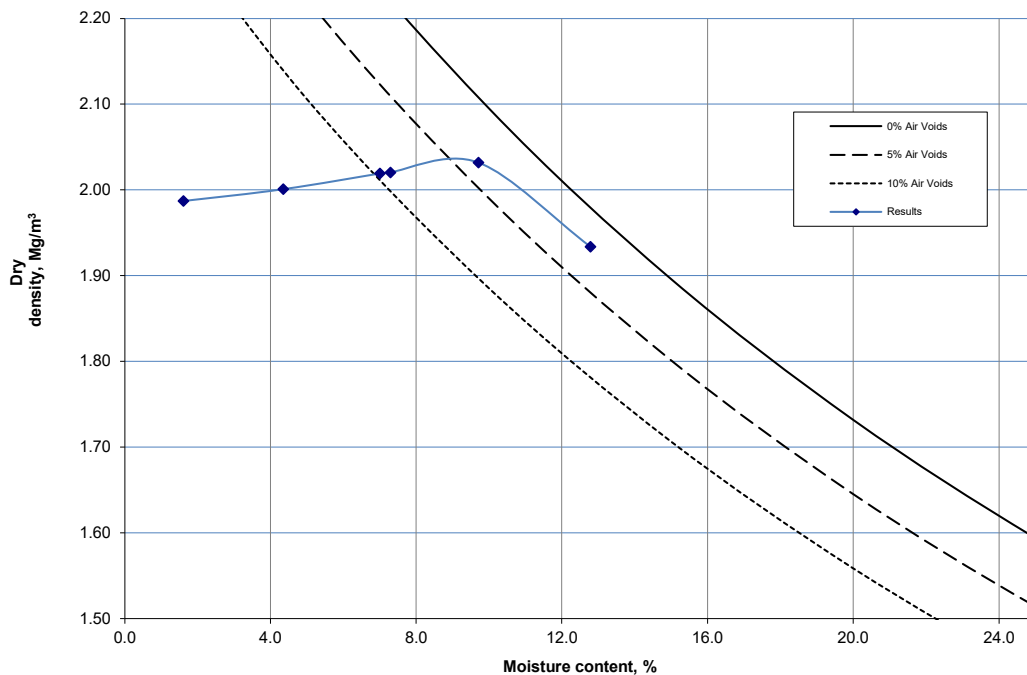
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Date - sample testing commenced :	20/01/2022	
Date - sample testing completed :	28/01/2022	
Checked / Approved by: KM Date Approved: 28/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

CONCEPT SITE INVESTIGATIONS

Site Name:	L4 Colt DCS Data Centre	Job No.	21/3600
Carried out for:	HDCI Hayes London Limited	Date Reported:	28/01/2022

Test Report - Compaction

BH/TP No	TP302	Description: Orangish brown silty very sandy fine to coarse flint GRAVEL
Sample Type	B	
Sample No	8	
Depth (m)	1.50	



Preparation / Test Method	BS 1377: Part 4: CL: 3.2.5.3	Maximum Dry Density	2.03	Mg/m ³
Method of Compaction	2.5kg	Optimum Moisture Content	10	%
Mould Type	CBR	Particle Density (assumed)	2.65	Mg/m ³
Samples Used	Single	Retained on 37mm test sieve	2	%
Remarks		Retained on 20mm test sieve	7	%



The results reported relate only to the items tested or sampled.

BS 1377: Part 4 :Clause 3: 1990. Determination of dry density/moisture content relationship

Date - samples received:	17/09/2022	CONCEPT Unit D, Herald way, Coventry CV3 2RQ Tel: 02477087673 Email: coventrylab@conceptconsultants.co.uk
Date - sample testing commenced :	19/01/2022	
Date - sample testing completed :	21/01/2022	
Checked / Approved by: KM Date Approved: 28/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)		

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

PSL
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L4 Colt DCS Data Centre

Contract No:

PSL21/8226

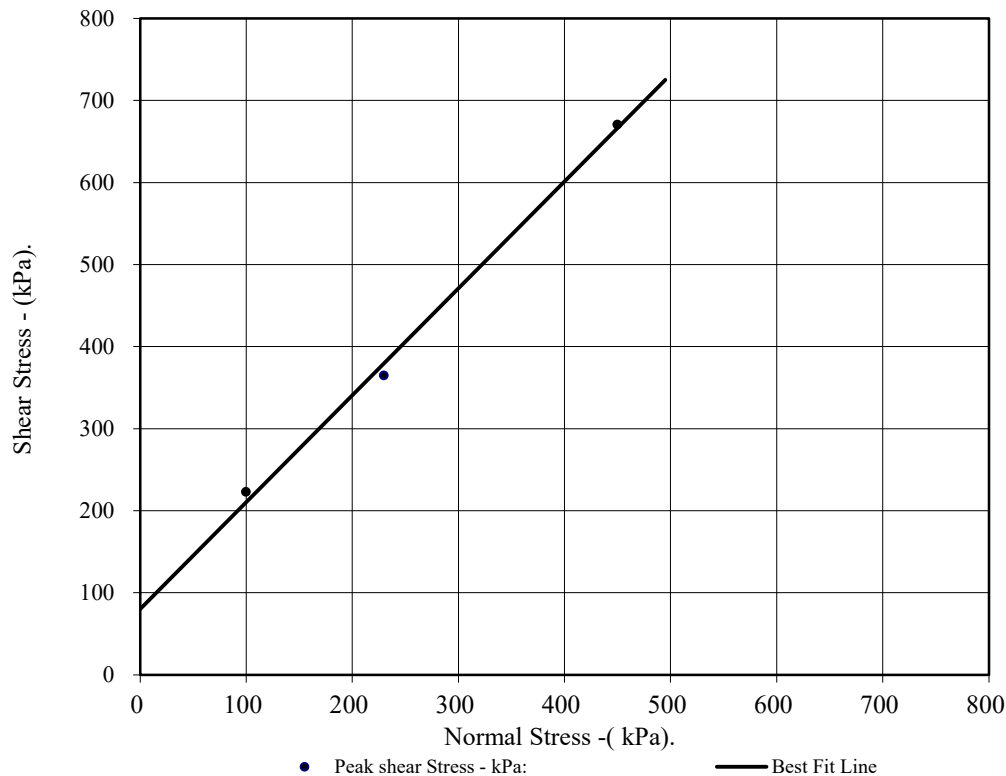
Client Ref:

21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH101		Top Depth:	11.50	
Sample Number:	AMAL		Base Depth:	13.00	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions.				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			2.5	2.5	2.5
Bulk Density - Mg/m3:			1.80	1.80	1.80
Dry Density - Mg/m3:			1.75	1.75	1.75
Voids Ratio:			0.510	0.510	0.510
Normal Pressure- kPa			100	230	450
Consolidation Stage					
Consolidated Height - mm:			148.59	147.37	147.16
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			36.00	49.50	47.00
Peak shear Stress - kPa:			223	365	670
Final Consolidated Conditions					
Moisture Content - %:			2.4	2.4	2.3
Bulk Density - Mg/m3:			1.81	1.83	1.83
Dry Density - Mg/m3:			1.77	1.79	1.79
Peak					
Angle of Shearing Resistance:(θ)			53		
Effective Cohesion - kPa:			80		



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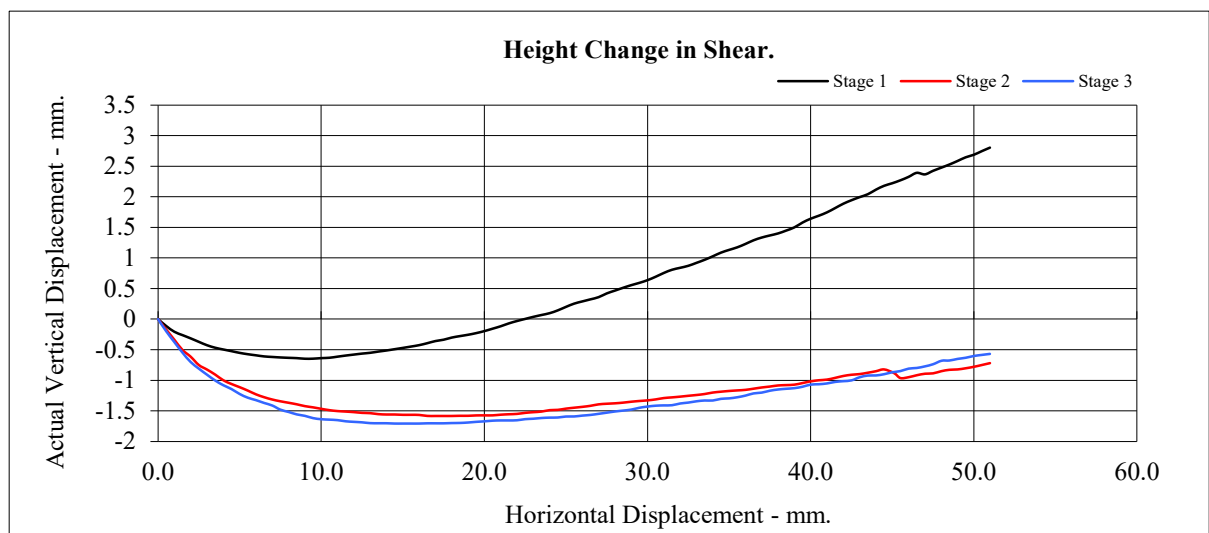
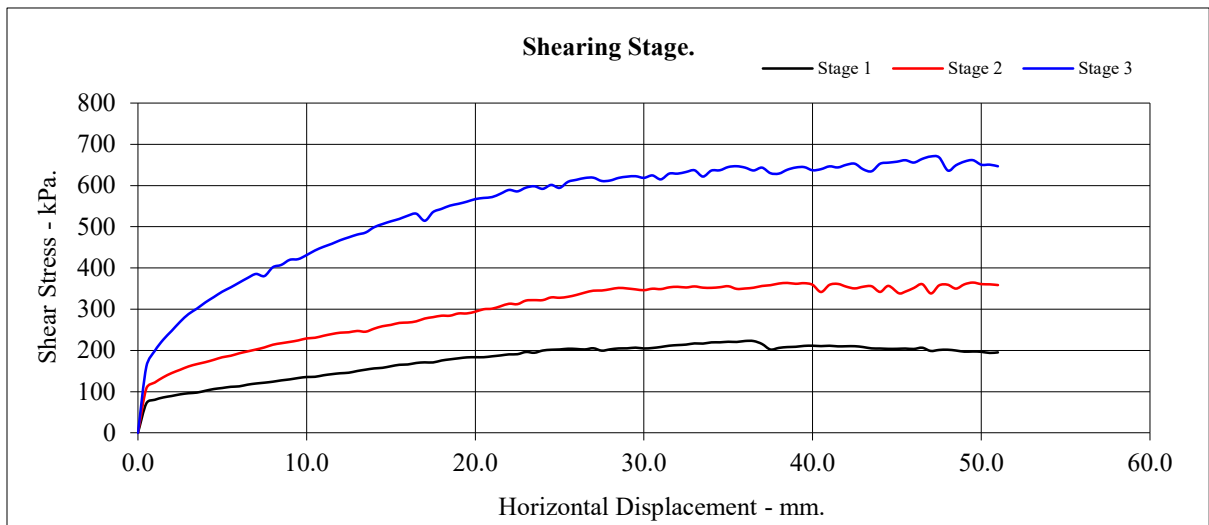
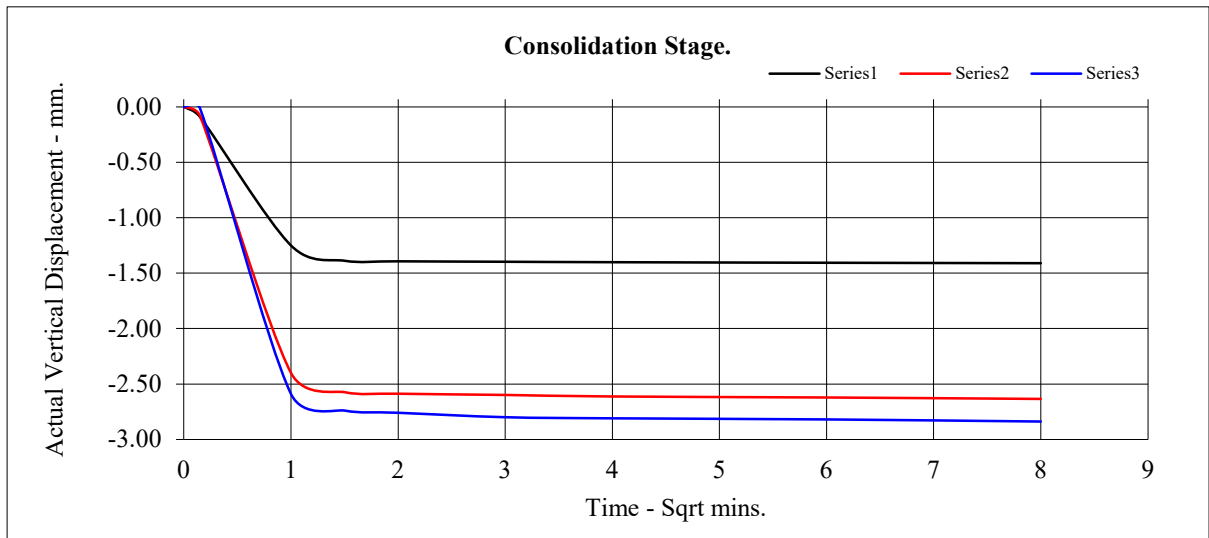
L4 Colt DCS Data Centre

Contract No:
PSL21/8226
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH101	Top Depth:	11.50
Sample Number:	AMAL	Base Depth:	13.00



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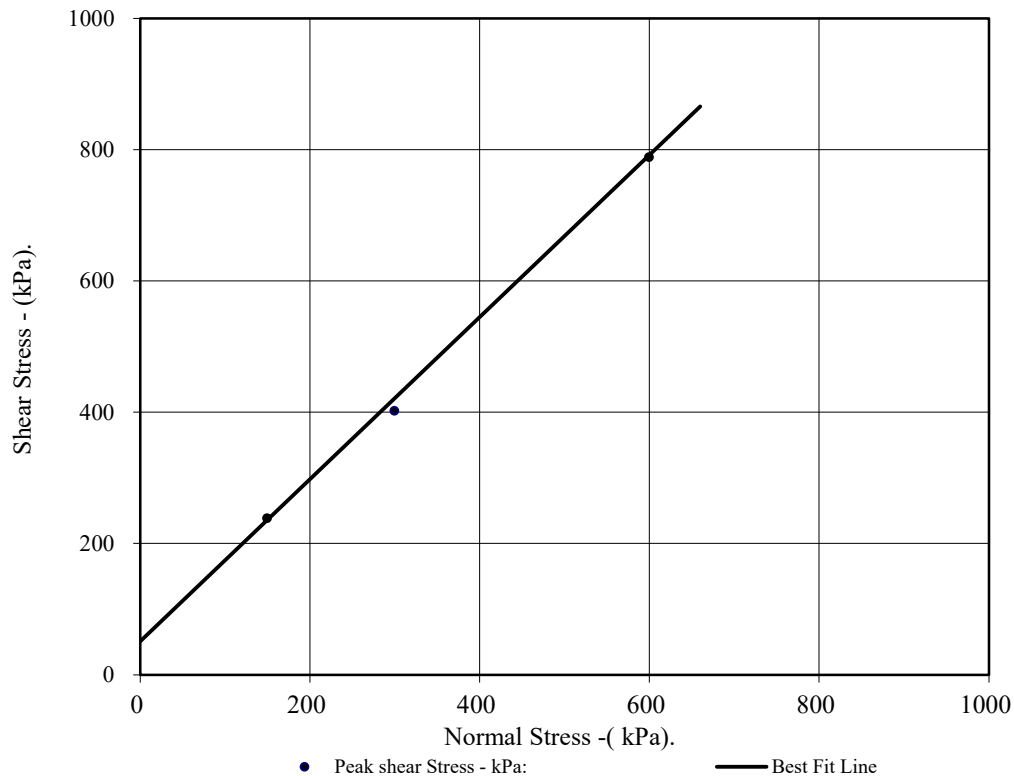
L4 Colt DCS Data Centre

Contract No:
PSL21/8226
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH101		Top Depth:	15.00	
Sample Number:	AMAL		Base Depth:	16.00	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions.				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			6.0	6.0	6.0
Bulk Density - Mg/m3:			1.90	1.90	1.90
Dry Density - Mg/m3:			1.80	1.80	1.80
Voids Ratio:			0.475	0.475	0.475
Normal Pressure- kPa			150	300	600
Consolidation Stage					
Consolidated Height - mm:			147.90	145.61	144.35
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			47.00	43.50	44.50
Peak shear Stress - kPa:			238	402	789
Final Consolidated Conditions					
Moisture Content - %:			5.9	5.8	5.6
Bulk Density - Mg/m3:			1.93	1.96	1.98
Dry Density - Mg/m3:			1.82	1.85	1.87
Peak					
Angle of Shearing Resistance:(θ)			51		
Effective Cohesion - kPa:			51		



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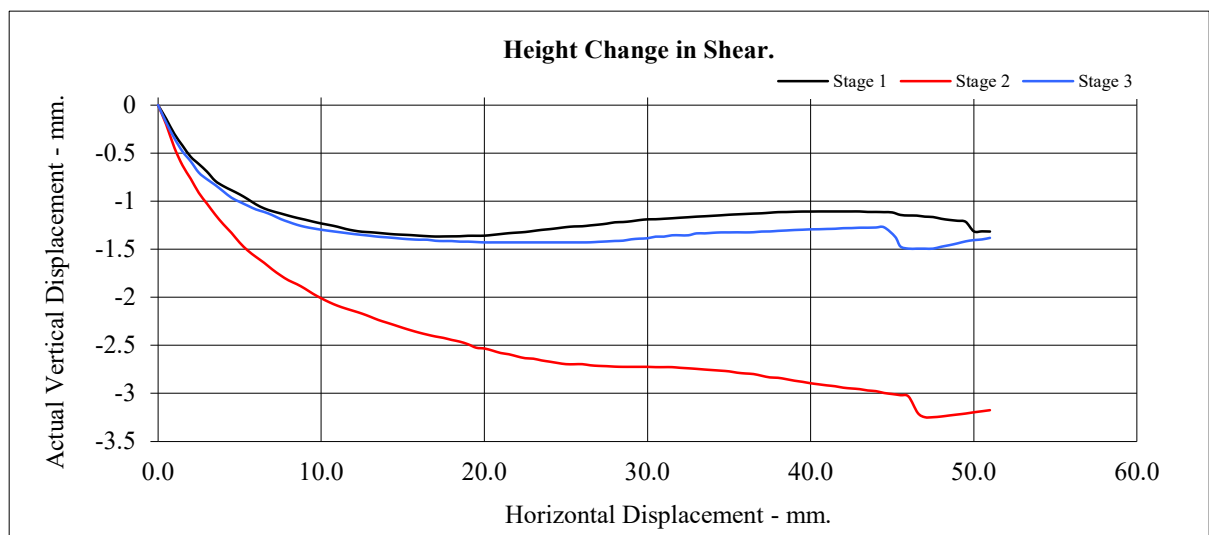
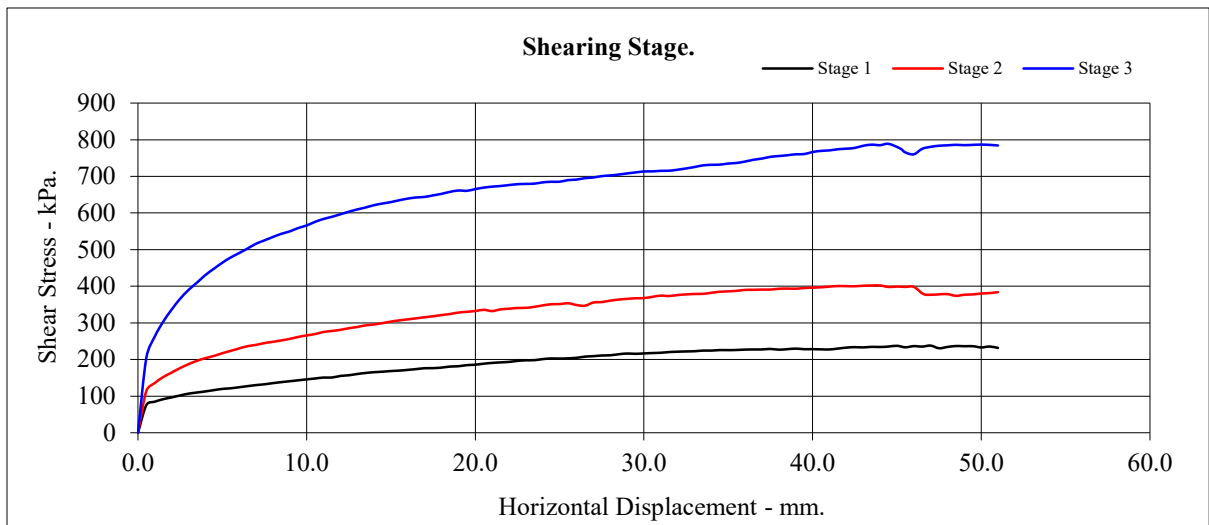
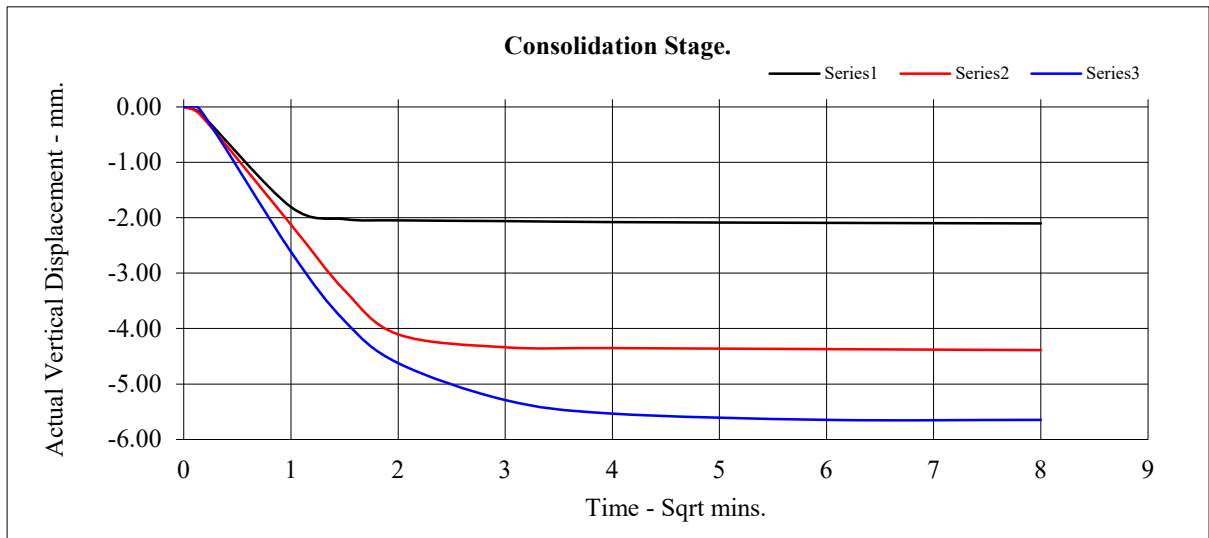
L4 Colt DCS Data Centre

Contract No:
PSL21/8226
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH101	Top Depth:	15.00
Sample Number:	AMAL	Base Depth:	16.00



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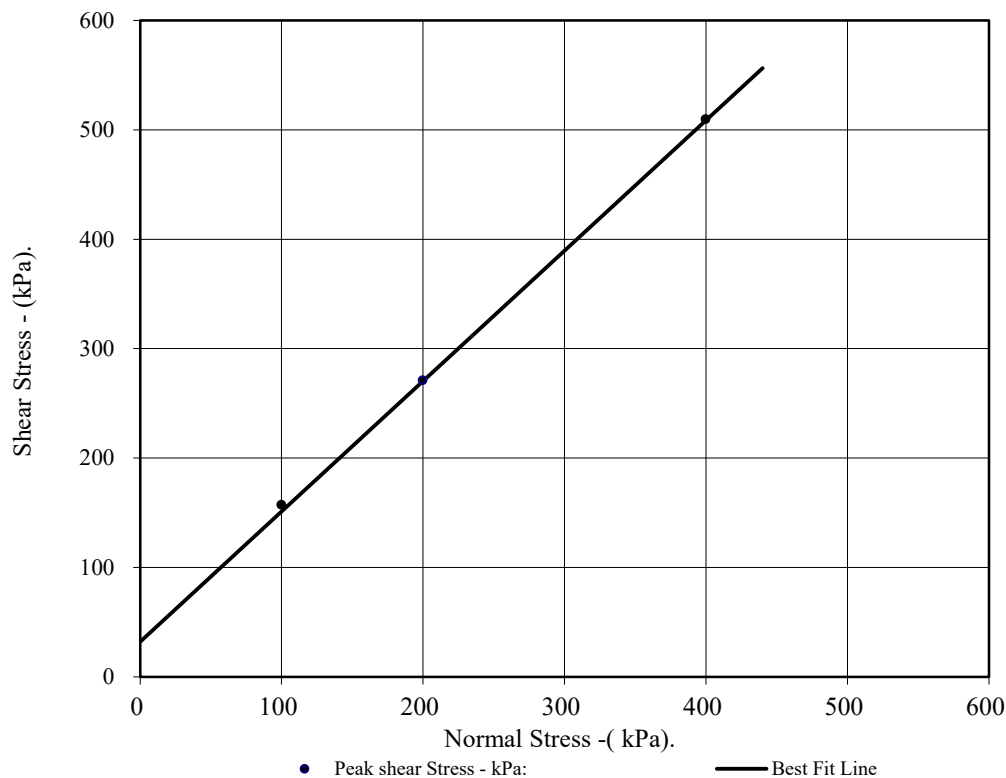
L4 Colt DCS Data Centre

Contract No:
PSL21/8226
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH103A		Top Depth:	8.50	
Sample Number:	AMAL		Base Depth:	10.00	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			3.0	3.0	3.0
Bulk Density - Mg/m3:			2.20	2.20	2.20
Dry Density - Mg/m3:			2.14	2.14	2.14
Voids Ratio:			0.240	0.240	0.240
Normal Pressure- kPa			100	200	400
Consolidation Stage					
Consolidated Height - mm:			149.37	148.73	148.28
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			7.50	51.00	50.50
Peak shear Stress - kPa:			157	271	510
Final Consolidated Conditions					
Moisture Content - %:			2.8	2.5	2.7
Bulk Density - Mg/m3:			2.21	2.22	2.23
Dry Density - Mg/m3:			2.15	2.17	2.17
Peak					
Angle of Shearing Resistance:(θ)			50		
Effective Cohesion - kPa:			32		



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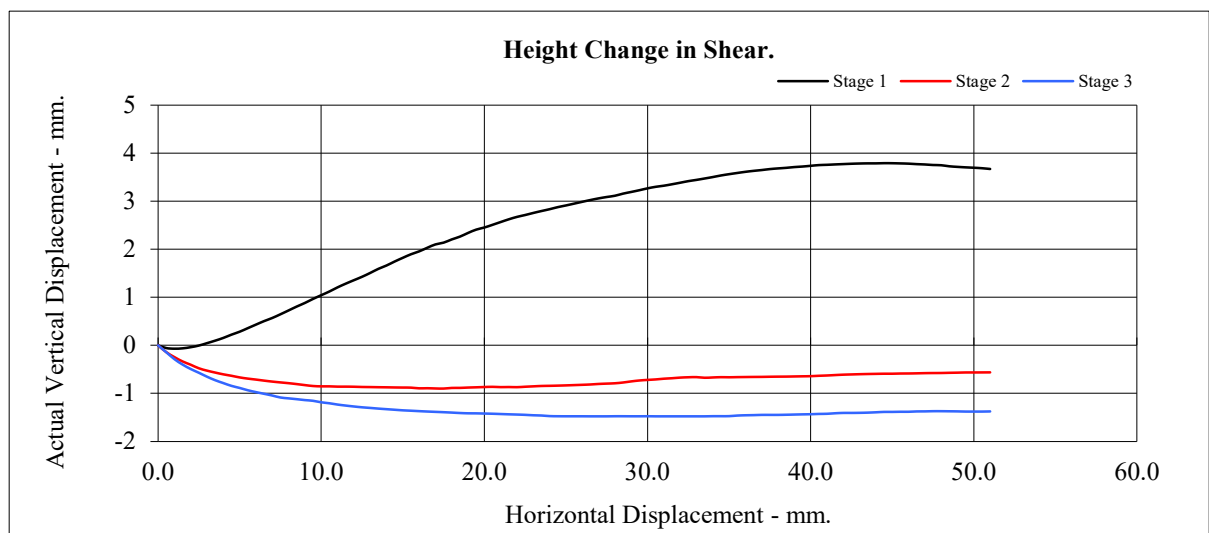
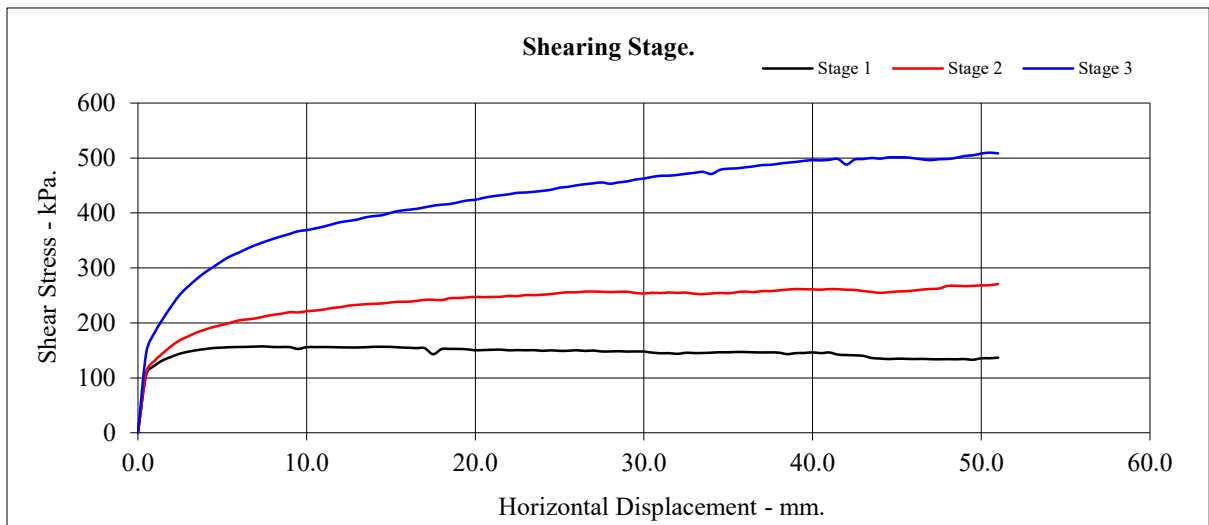
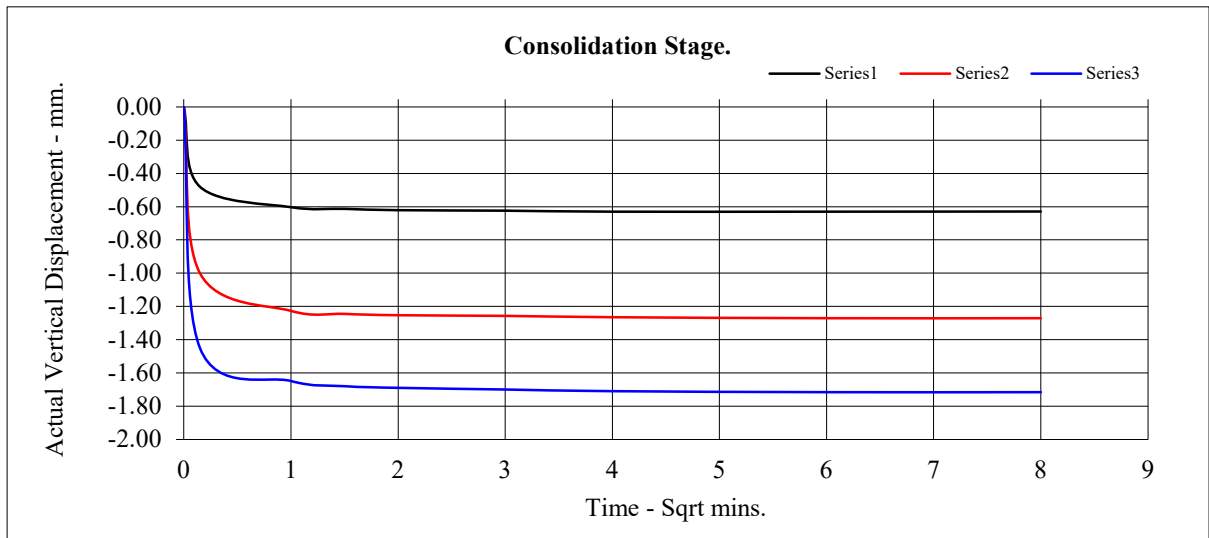
L4 Colt DCS Data Centre

Contract No:
PSL22/0003
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH103A	Top Depth:	8.50
Sample Number:	AMAL	Base Depth:	10.00



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L4 Colt DCS Data Centre

Contract No:
PSL22/0003
Client Ref:
21/3600

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

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L4 Colt DCS Data Centre

Contract No:

PSL21/8784

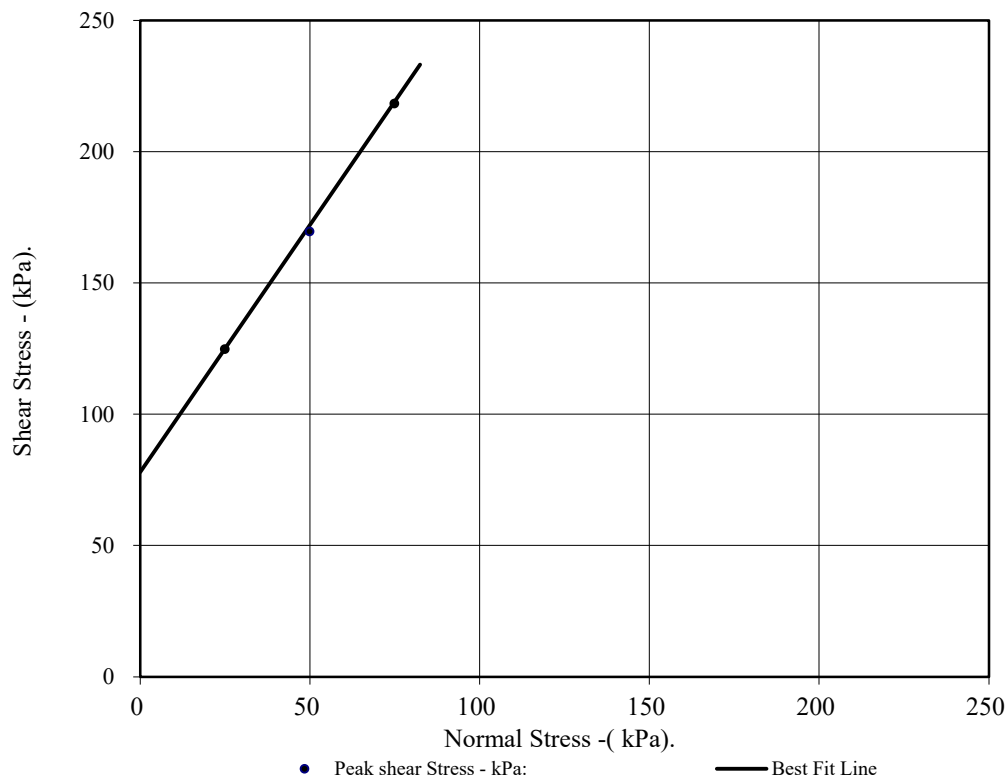
Client Ref:

21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH106		Top Depth:	2.50	
Sample Number:	AMAL		Base Depth:	5.00	
Sample Conditions:	Dry		Sample Type	B	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			3.6	3.6	3.6
Bulk Density - Mg/m3:			2.08	2.08	2.08
Dry Density - Mg/m3:			2.01	2.01	2.01
Voids Ratio:			0.319	0.319	0.319
Normal Pressure- kPa			25	50	75
Consolidation Stage					
Consolidated Height - mm:			149.86	149.54	149.39
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			12.00	23.00	50.00
Peak shear Stress - kPa:			125	170	218
Final Consolidated Conditions					
Moisture Content - %:			3.6	3.3	2.9
Bulk Density - Mg/m3:			2.08	2.09	2.09
Dry Density - Mg/m3:			2.01	2.02	2.03
Peak					
Angle of Shearing Resistance:(θ)			62		
Effective Cohesion - kPa:			78		



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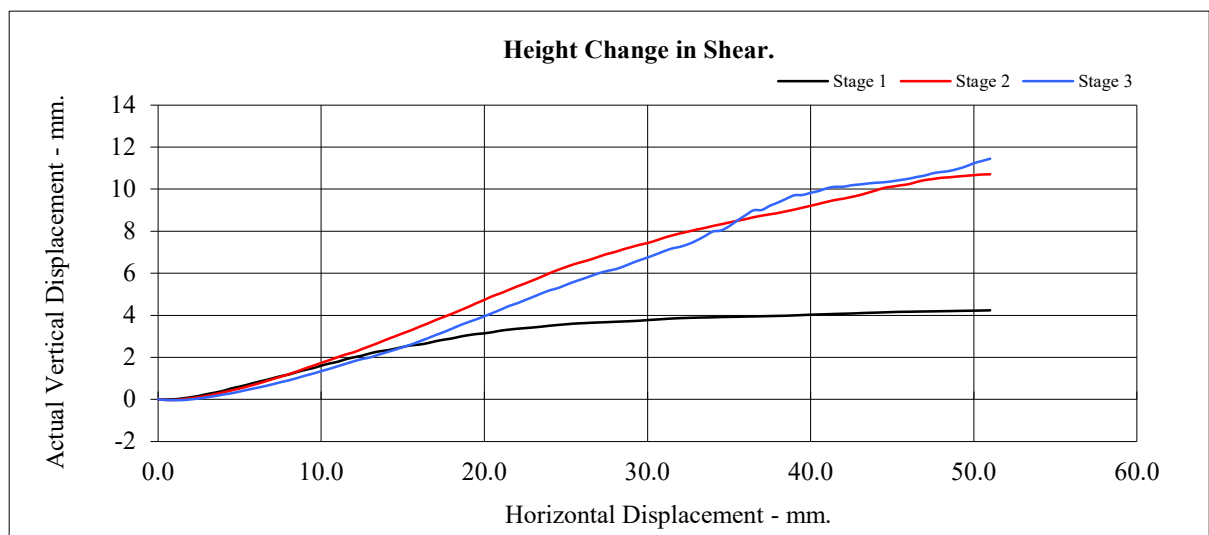
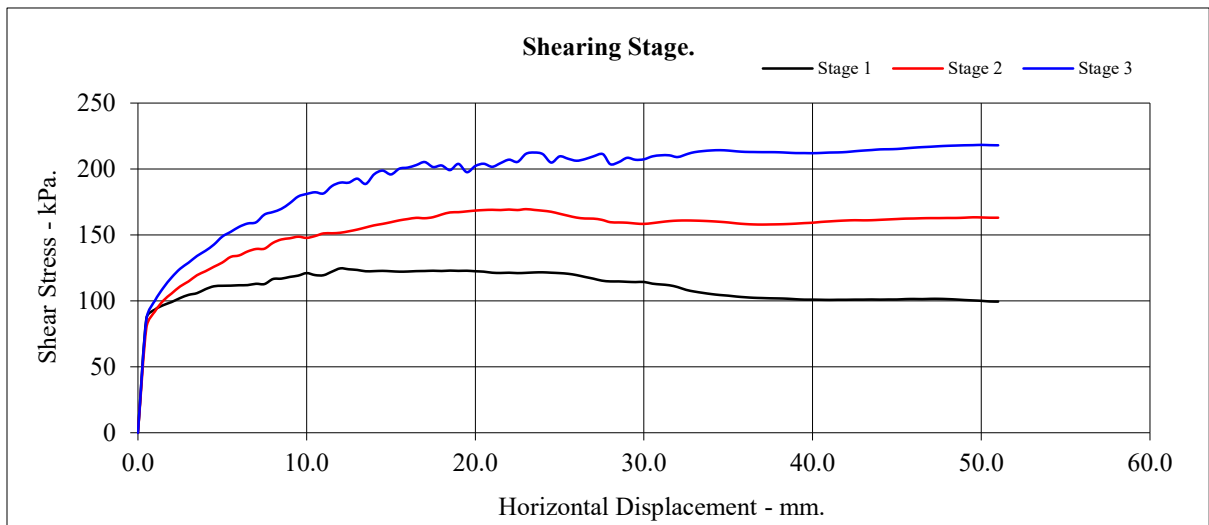
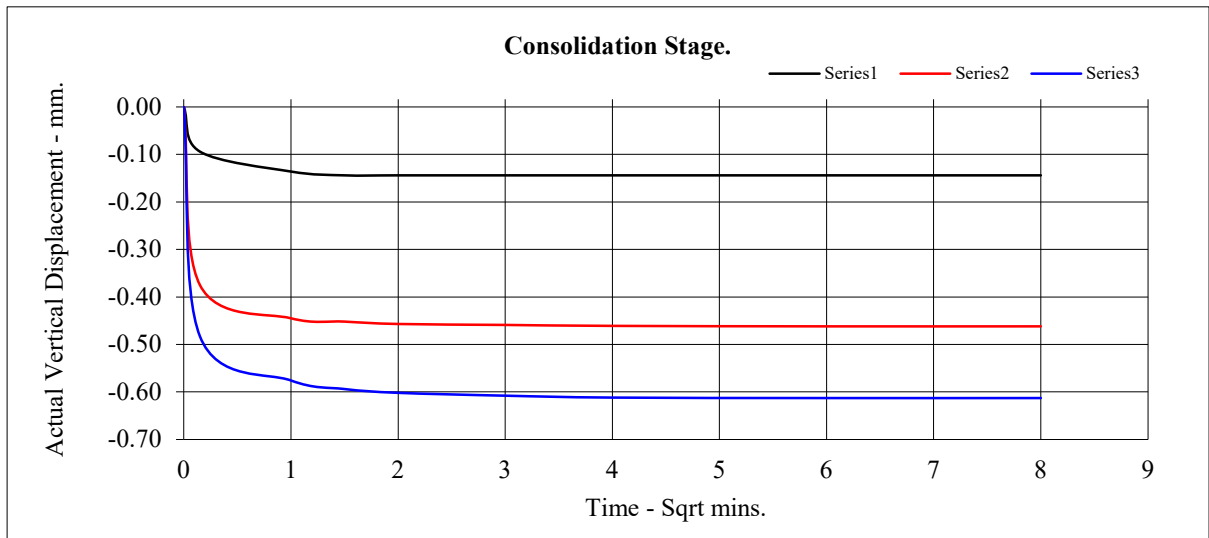
L4 Colt DCS Data Centre

Contract No:
PSL21/8784
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5 2

Hole Number:	BH106	Top Depth:	2.50
Sample Number:	AMAL	Base Depth:	5.00



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L4 Colt DCS Data Centre

Contract No:
PSL21/8784
Client Ref:
21/3600

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

PSL
Professional Soils Laboratory

L4 Colt DCS Data Centre

Contract No:

PSL22/0490

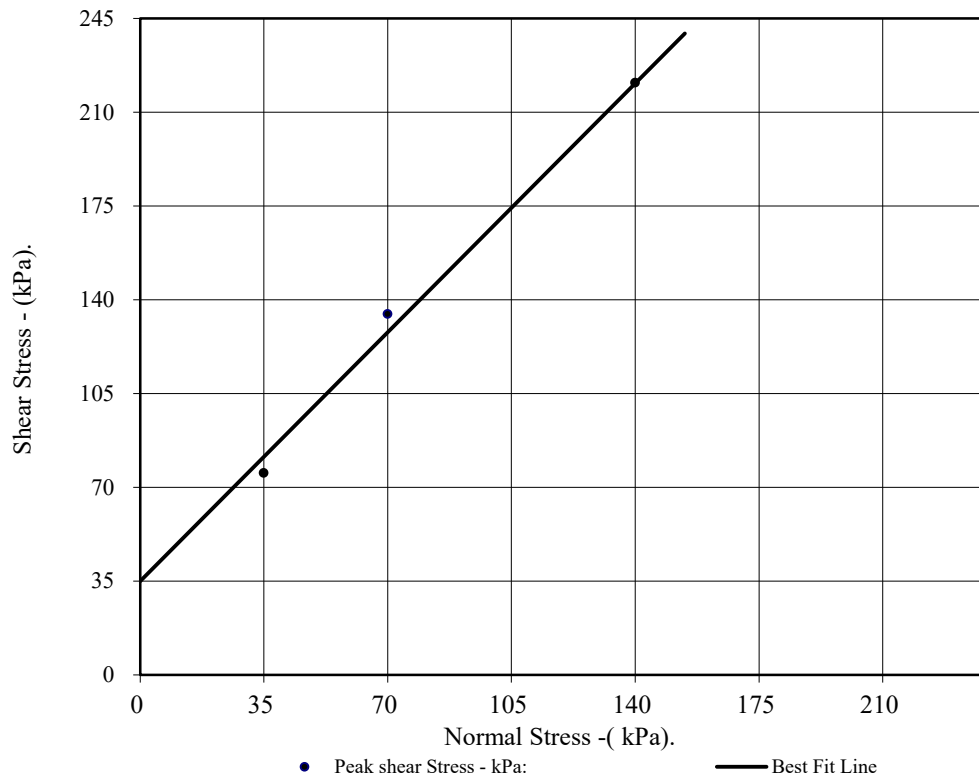
Client Ref:

21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH107		Top Depth:	1.50	
Sample Number:	AMAL		Base Depth:	3.50	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			3.2	3.2	3.2
Bulk Density - Mg/m3:			2.08	2.08	2.08
Dry Density - Mg/m3:			2.02	2.02	2.02
Voids Ratio:			0.315	0.315	0.315
Normal Pressure- kPa			35	70	140
Consolidation Stage					
Consolidated Height - mm:			149.60	148.97	147.20
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			46.00	39.50	49.00
Peak shear Stress - kPa:			75	135	221
Final Consolidated Conditions					
Moisture Content - %:			3.0	3.1	3.0
Bulk Density - Mg/m3:			2.09	2.09	2.12
Dry Density - Mg/m3:			2.02	2.03	2.06
Peak					
Angle of Shearing Resistance:(θ)			53		
Effective Cohesion - kPa:			35		



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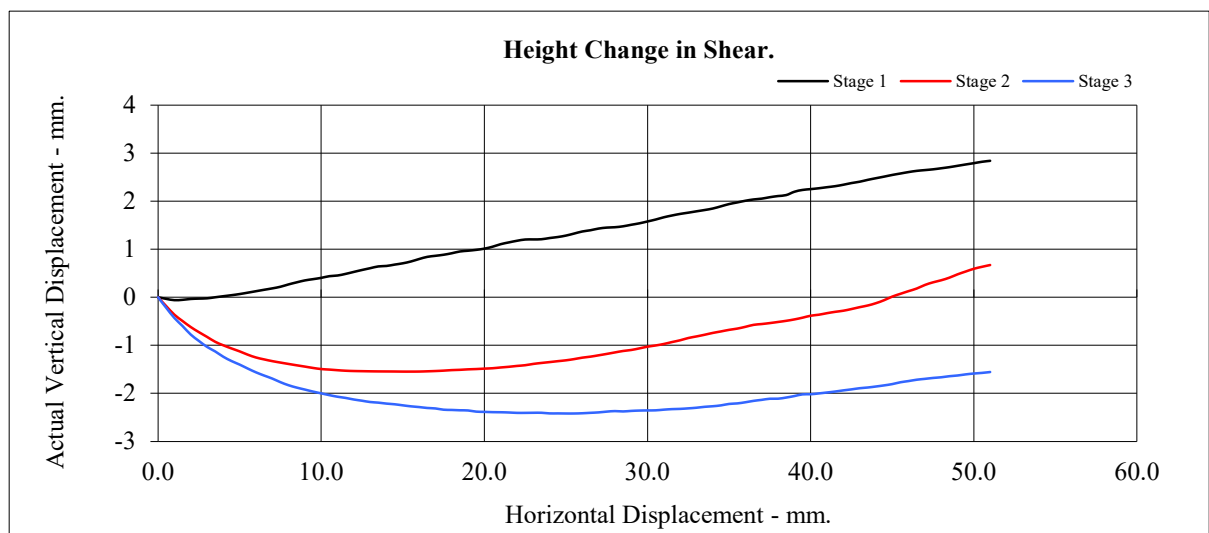
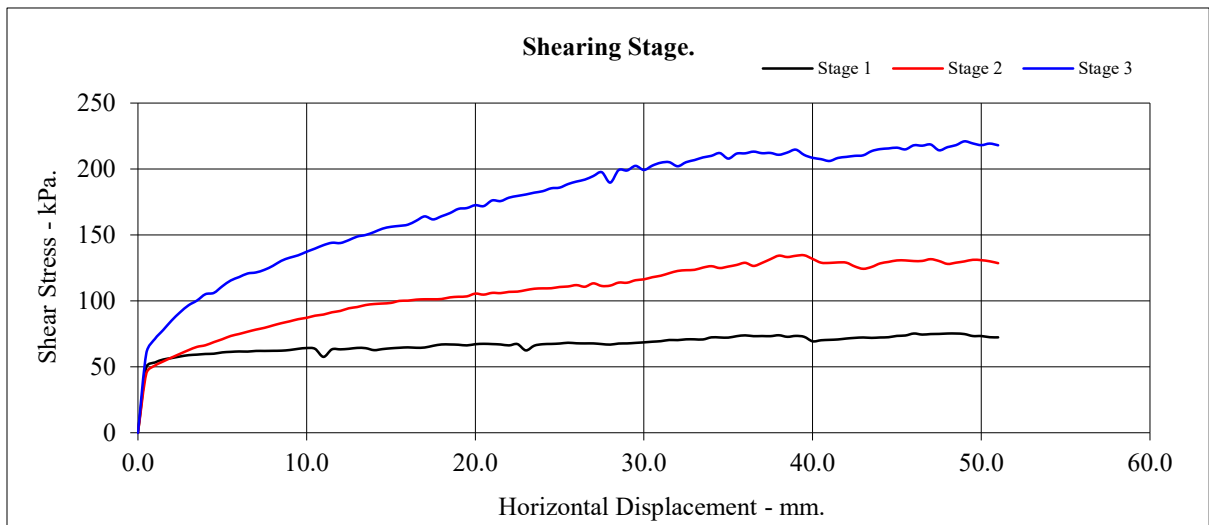
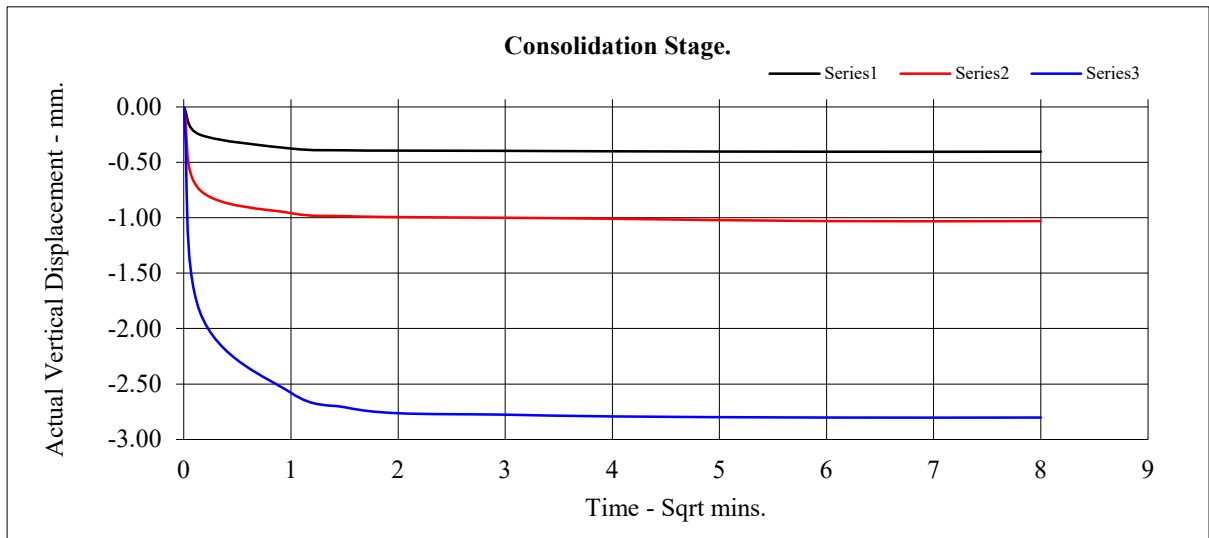
L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH107	Top Depth:	1.50
Sample Number:	AMAL	Base Depth:	3.50



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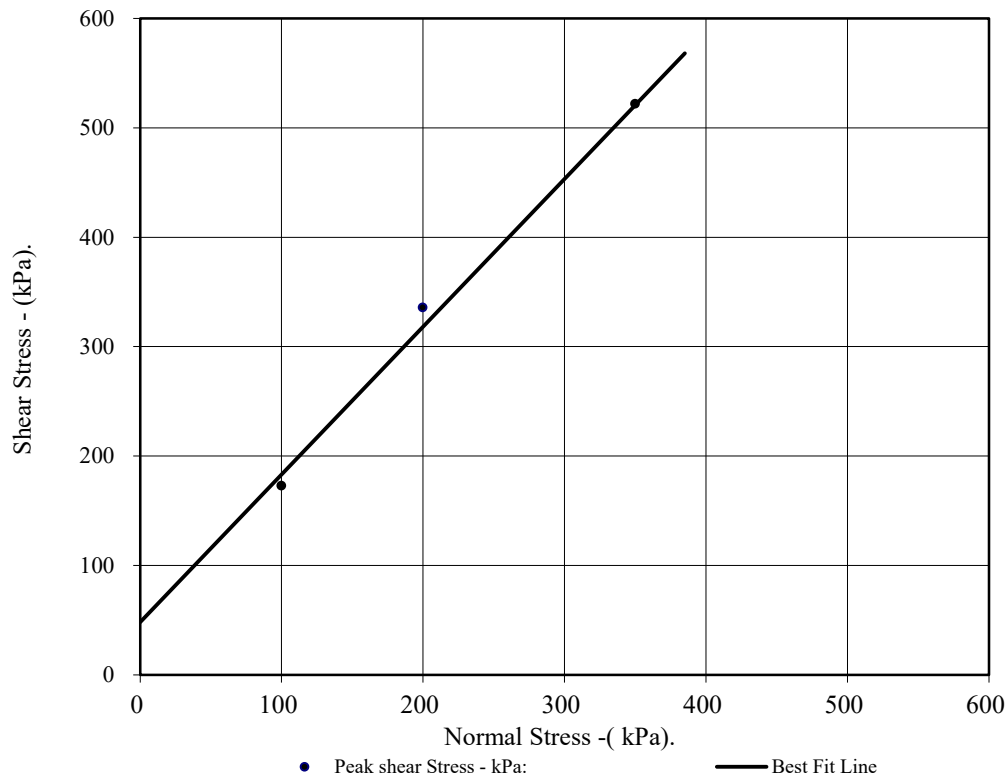
L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH107		Top Depth:	8.00	
Sample Number:	AMAL		Base Depth:	11.00	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			3.1	3.1	3.1
Bulk Density - Mg/m3:			2.04	2.04	2.04
Dry Density - Mg/m3:			1.98	1.98	1.98
Voids Ratio:			0.337	0.337	0.337
Normal Pressure- kPa			100	200	350
Consolidation Stage					
Consolidated Height - mm:			146.18	145.31	142.94
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			50.00	51.00	50.50
Peak shear Stress - kPa:			173	336	522
Final Consolidated Conditions					
Moisture Content - %:			2.8	3.0	2.9
Bulk Density - Mg/m3:			2.10	2.11	2.14
Dry Density - Mg/m3:			2.04	2.05	2.08
Peak					
Angle of Shearing Resistance:(θ)			54		
Effective Cohesion - kPa:			48		



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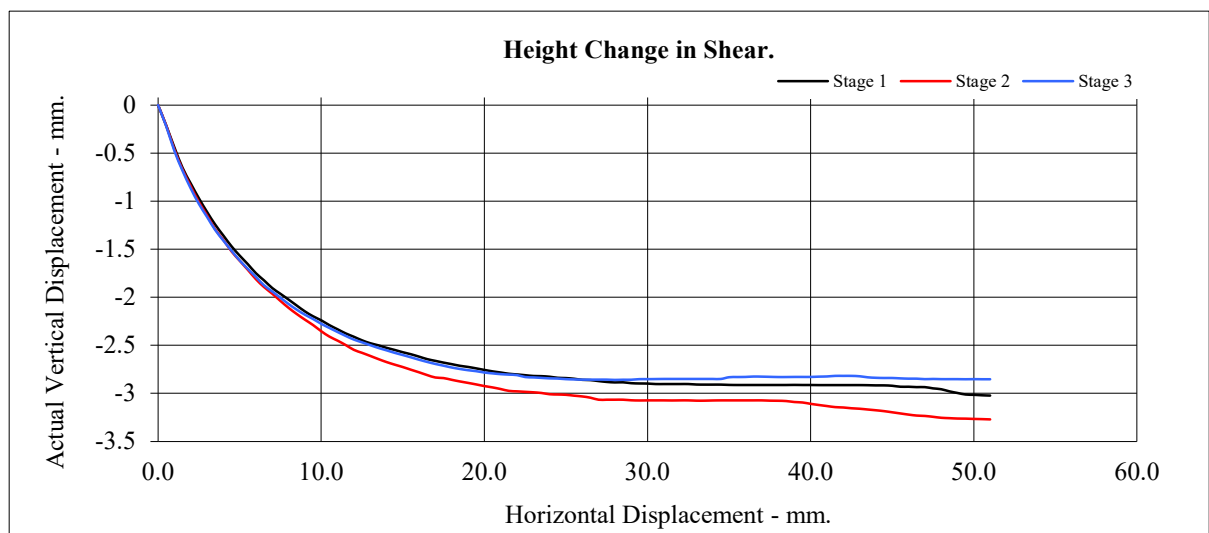
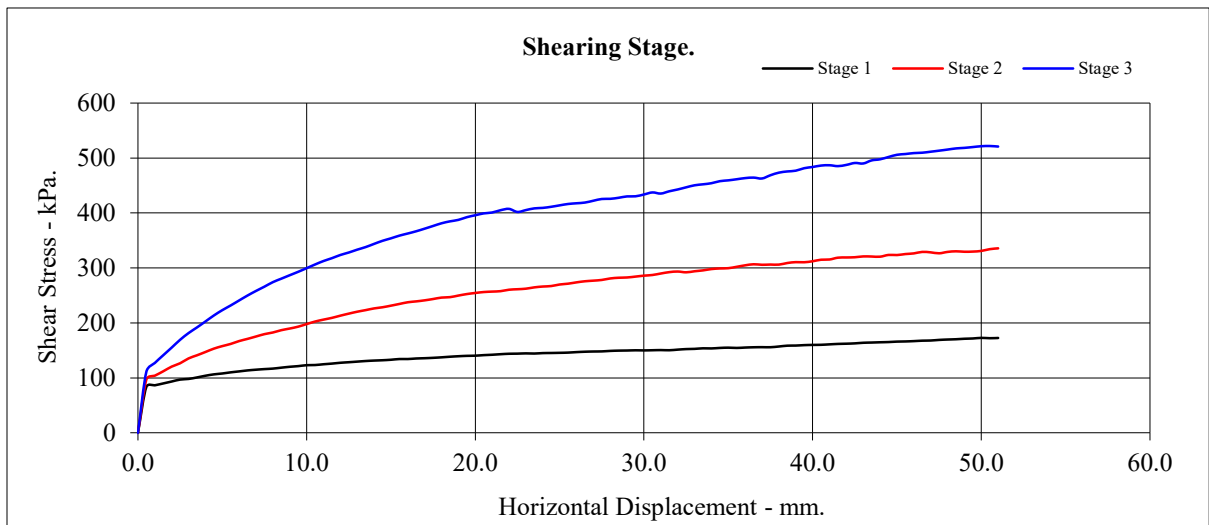
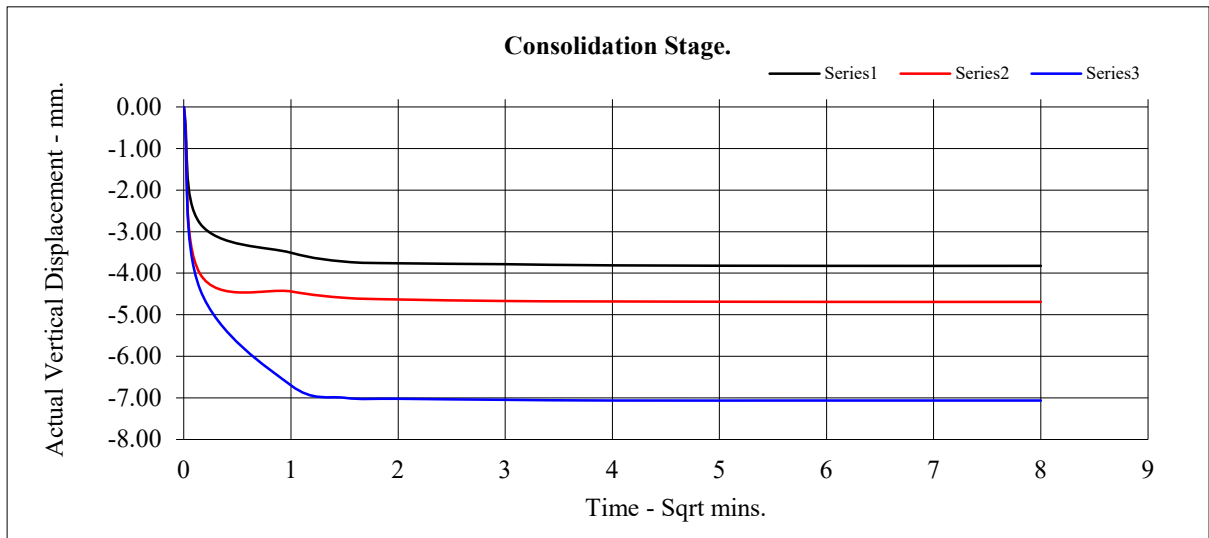
L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH107	Top Depth:	8.00
Sample Number:	AMAL	Base Depth:	11.00



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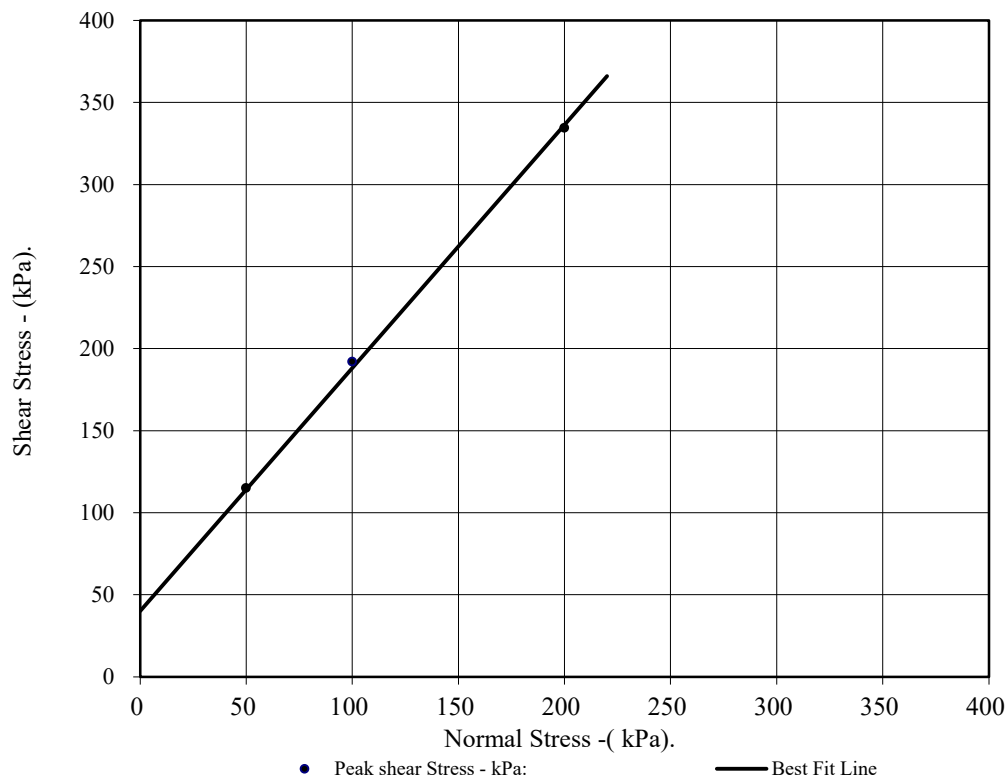
L4 Colt DCS Data Centre

Contract No:
PSL22/0490
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH108		Top Depth:	3.00	
Sample Number:	AMAL		Base Depth:	4.50	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	Brown very sandy GRAVEL.				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			4.8	4.8	4.8
Bulk Density - Mg/m3:			2.05	2.05	2.05
Dry Density - Mg/m3:			1.96	1.96	1.96
Voids Ratio:			0.351	0.351	0.351
Normal Pressure- kPa			50	100	200
Consolidation Stage					
Consolidated Height - mm:			149.46	148.23	147.64
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			31.50	35.50	39.00
Peak shear Stress - kPa:			115	192	334
Final Consolidated Conditions					
Moisture Content - %:			4.4	4.8	4.7
Bulk Density - Mg/m3:			2.06	2.08	2.09
Dry Density - Mg/m3:			1.97	1.98	1.99
Peak					
Angle of Shearing Resistance:(θ)			56		
Effective Cohesion - kPa:			40		



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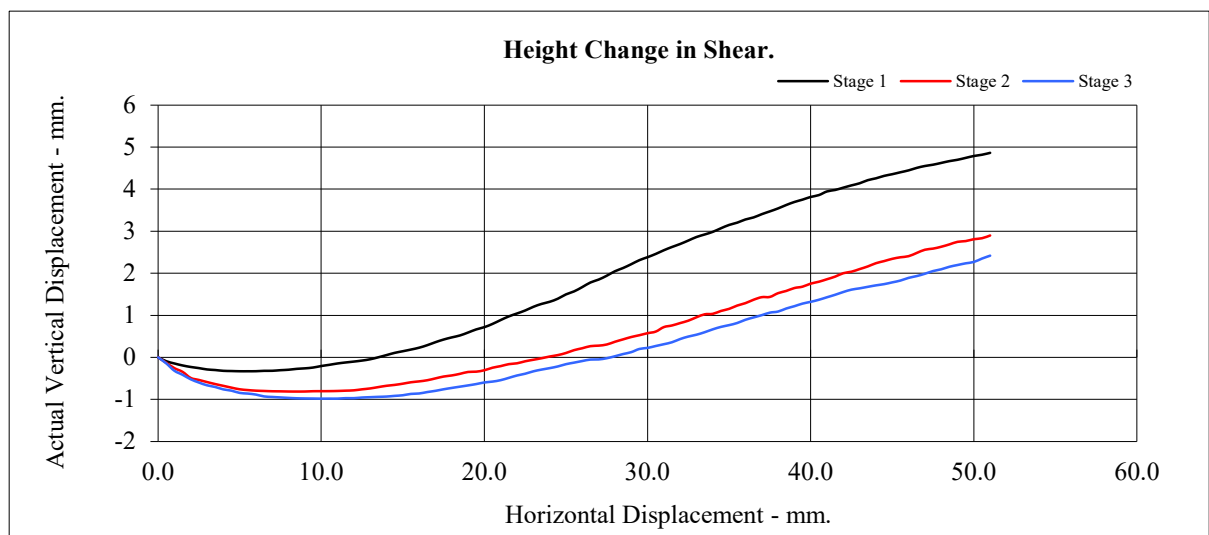
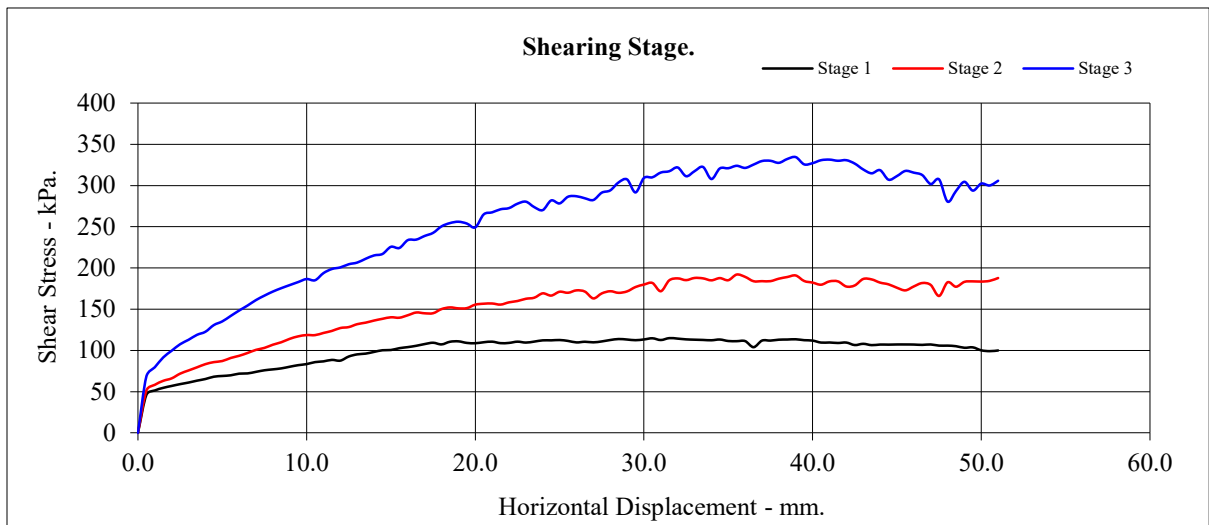
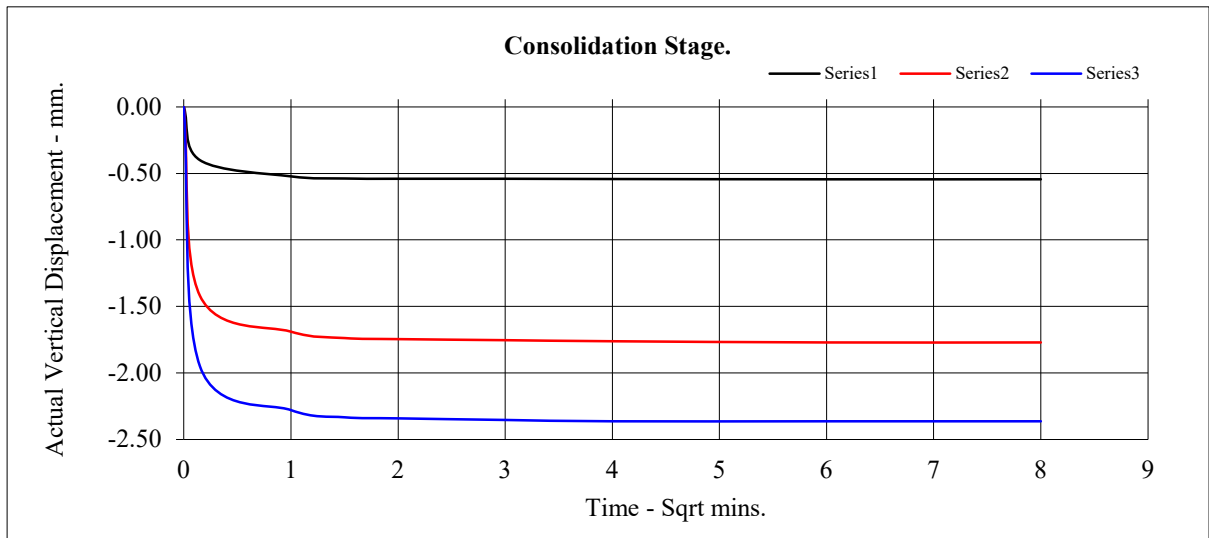
L4 Colt DCS Data Centre

Contract No:
PSL22/0487
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH108	Top Depth:	3.00
Sample Number:	AMAL	Base Depth:	4.50



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L4 Colt DCS Data Centre

Contract No:
PSL22/0487
Client Ref:
21/3600

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

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L4 Colt DCS Data Centre

Contract No:

PSL22/0750

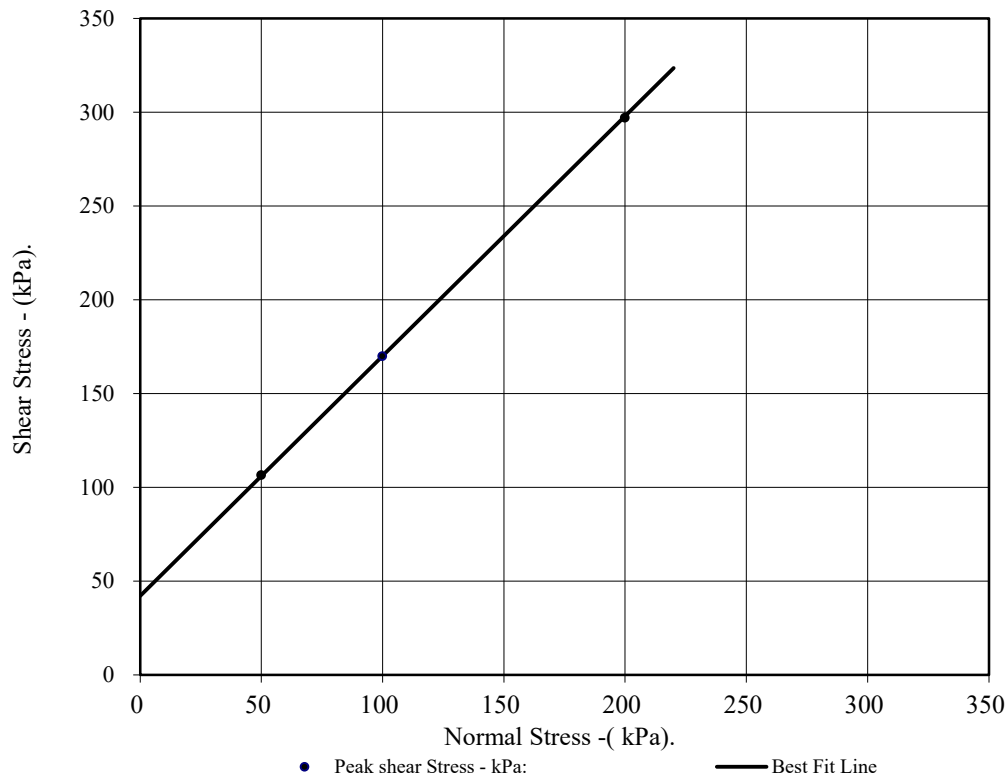
Client Ref:

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CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH109		Top Depth:	6.00	
Sample Number:	AMAL		Base Depth:	7.50	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			5.7	5.7	5.7
Bulk Density - Mg/m3:			2.11	2.11	2.11
Dry Density - Mg/m3:			1.99	1.99	1.99
Voids Ratio:			0.329	0.329	0.329
Normal Pressure- kPa			50	100	200
Consolidation Stage					
Consolidated Height - mm:			149.73	149.54	148.87
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			17.50	43.00	37.50
Peak shear Stress - kPa:			106	170	297
Final Consolidated Conditions					
Moisture Content - %:			5.2	5.5	5.2
Bulk Density - Mg/m3:			2.11	2.11	2.12
Dry Density - Mg/m3:			2.01	2.00	2.02
Peak					
Angle of Shearing Resistance:(θ)			52		
Effective Cohesion - kPa:			42		



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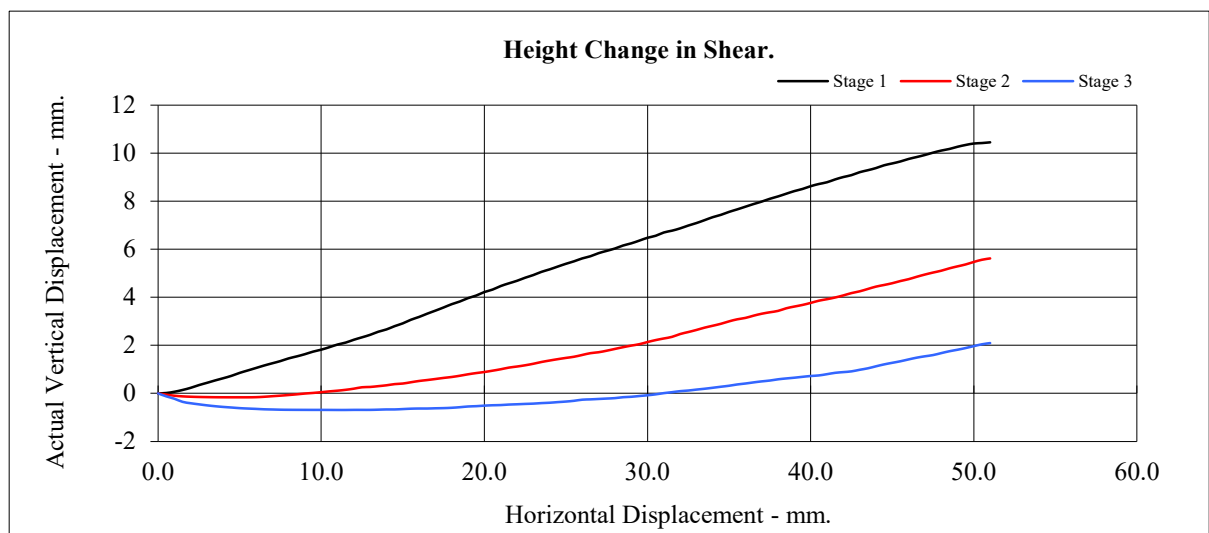
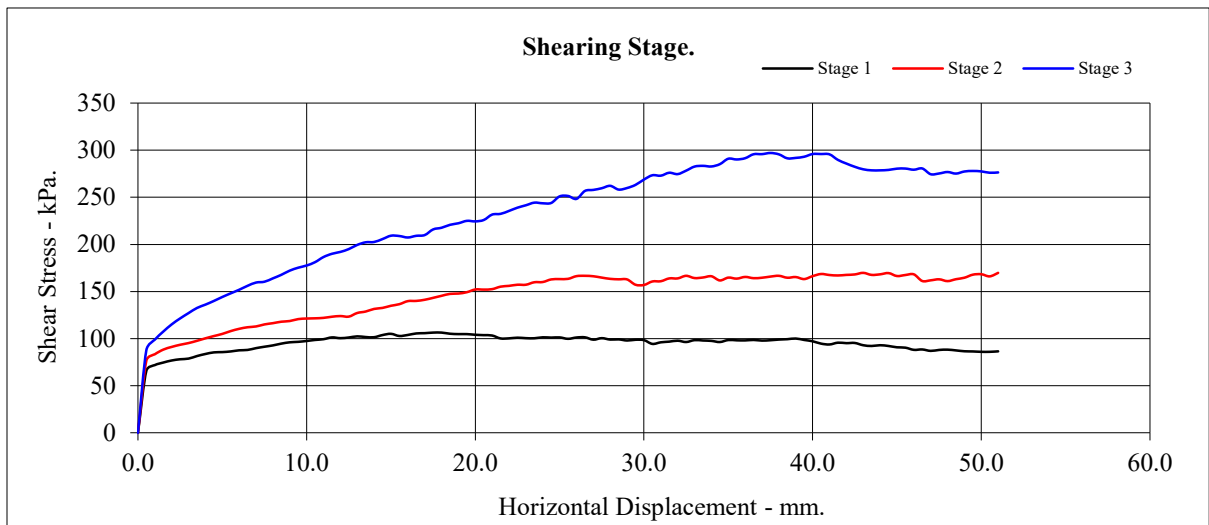
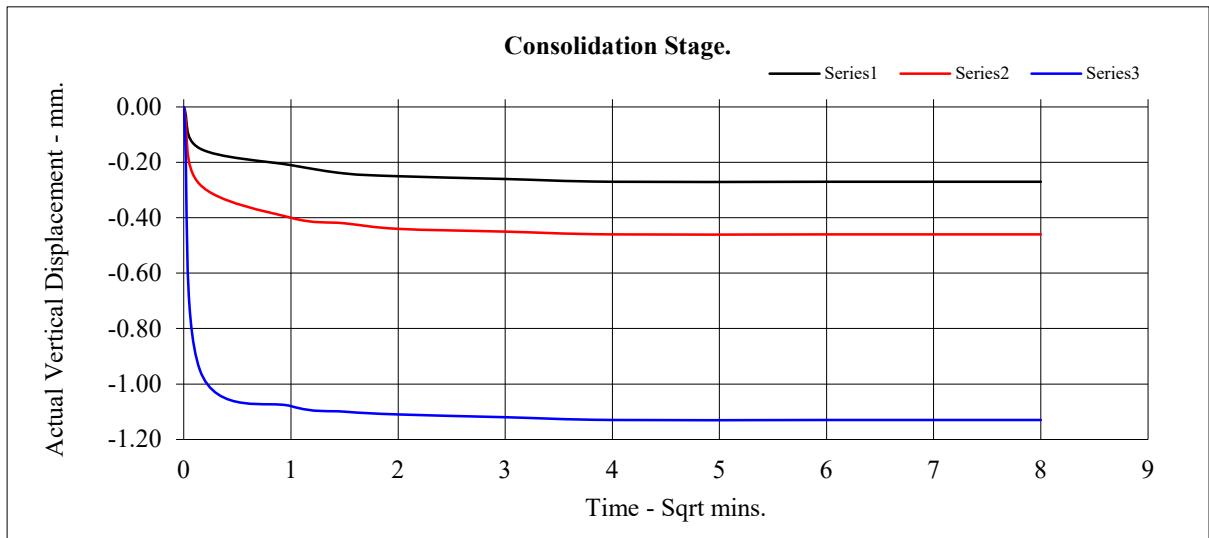
L4 Colt DCS Data Centre

Contract No:
PSL22/0750
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH109	Top Depth:	6.00
Sample Number:	AMAL	Base Depth:	7.50



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L4 Colt DCS Data Centre

Contract No:
PSL22/0750
Client Ref:
21/3600

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

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L4 Colt DCS Data Centre

Contract No:

PSL22/0488

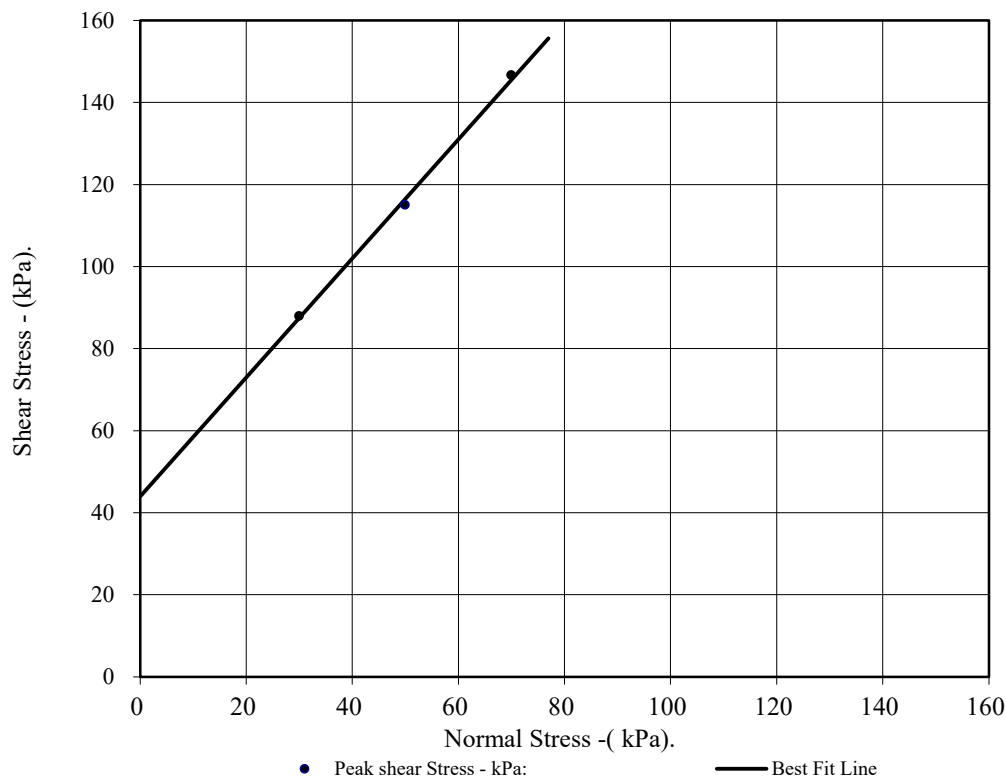
Client Ref:

21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH110		Top Depth:	1.50	
Sample Number:	AMAL		Base Depth:	2.50	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			3.2	3.2	3.2
Bulk Density - Mg/m3:			2.06	2.06	2.06
Dry Density - Mg/m3:			2.00	2.00	2.00
Voids Ratio:			0.327	0.327	0.327
Normal Pressure- kPa			30	50	70
Consolidation Stage					
Consolidated Height - mm:			149.03	148.91	148.72
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			43.50	47.50	47.00
Peak shear Stress - kPa:			88	115	147
Final Consolidated Conditions					
Moisture Content - %:			3.1	2.8	2.9
Bulk Density - Mg/m3:			2.07	2.08	2.08
Dry Density - Mg/m3:			2.01	2.02	2.02
Peak					
Angle of Shearing Resistance:(θ)			55		
Effective Cohesion - kPa:			44		



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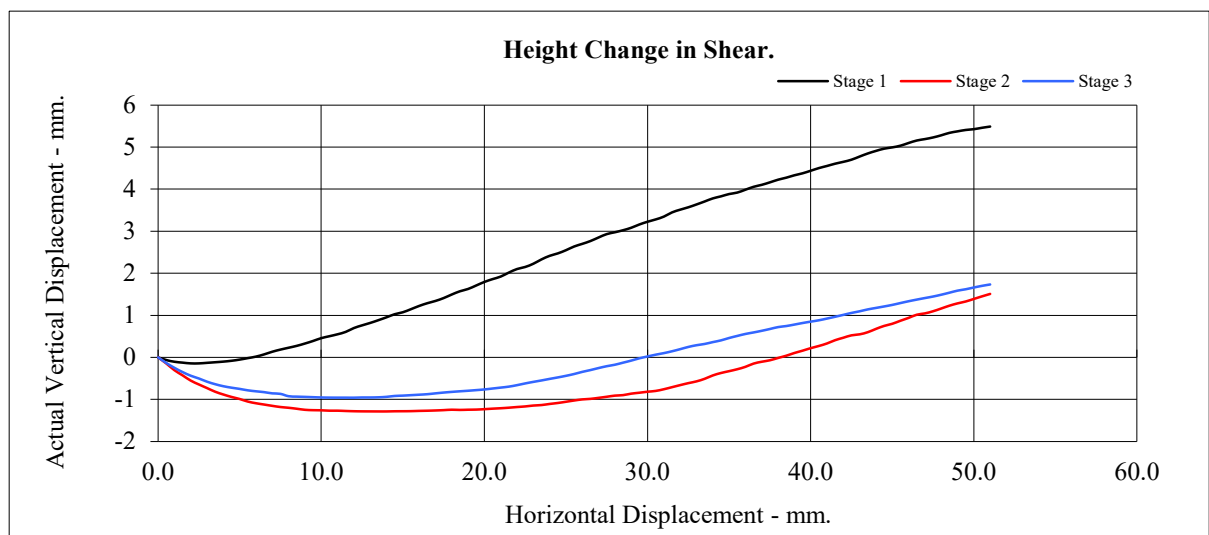
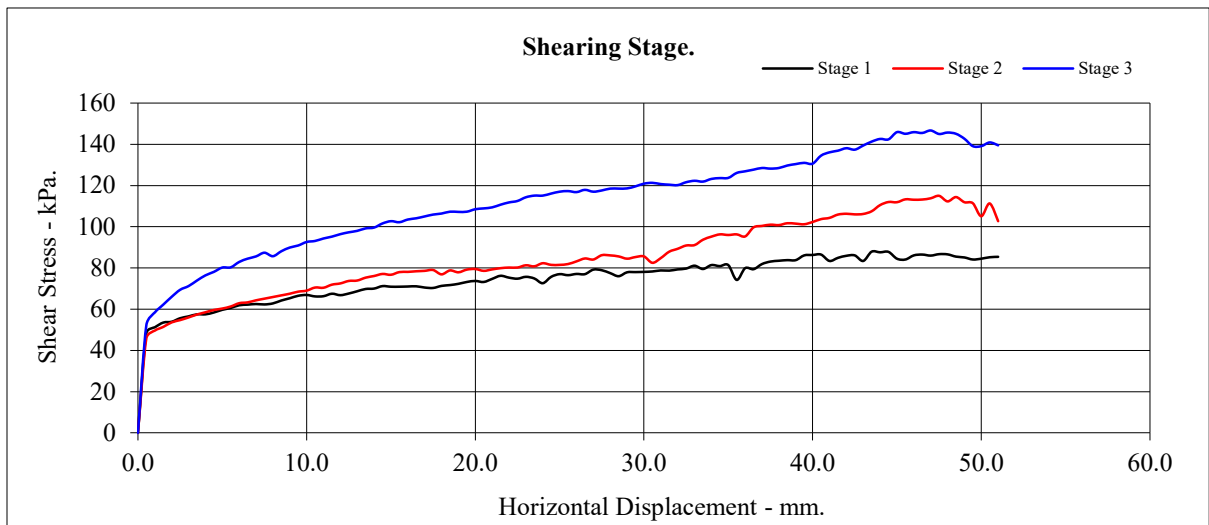
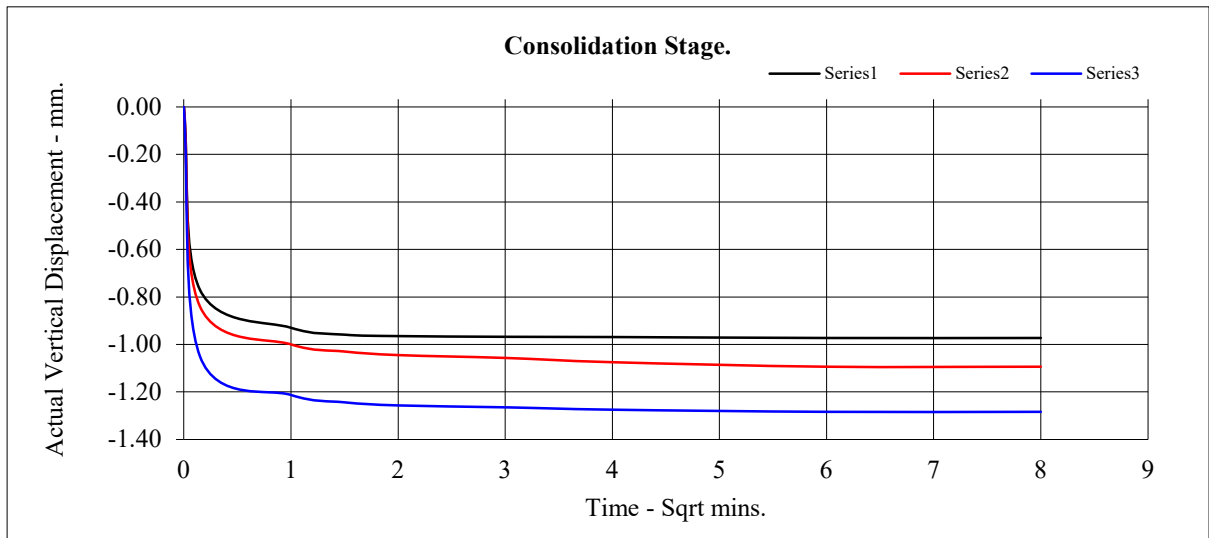
L4 Colt DCS Data Centre

Contract No:
PSL22/0488
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	BH110	Top Depth:	1.50
Sample Number:	AMAL	Base Depth:	2.50



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L4 Colt DCS Data Centre

Contract No:
PSL22/0488
Client Ref:
21/3600

SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

4043

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L4 Colt DCS Data Centre

Contract No:

PSL22/0489

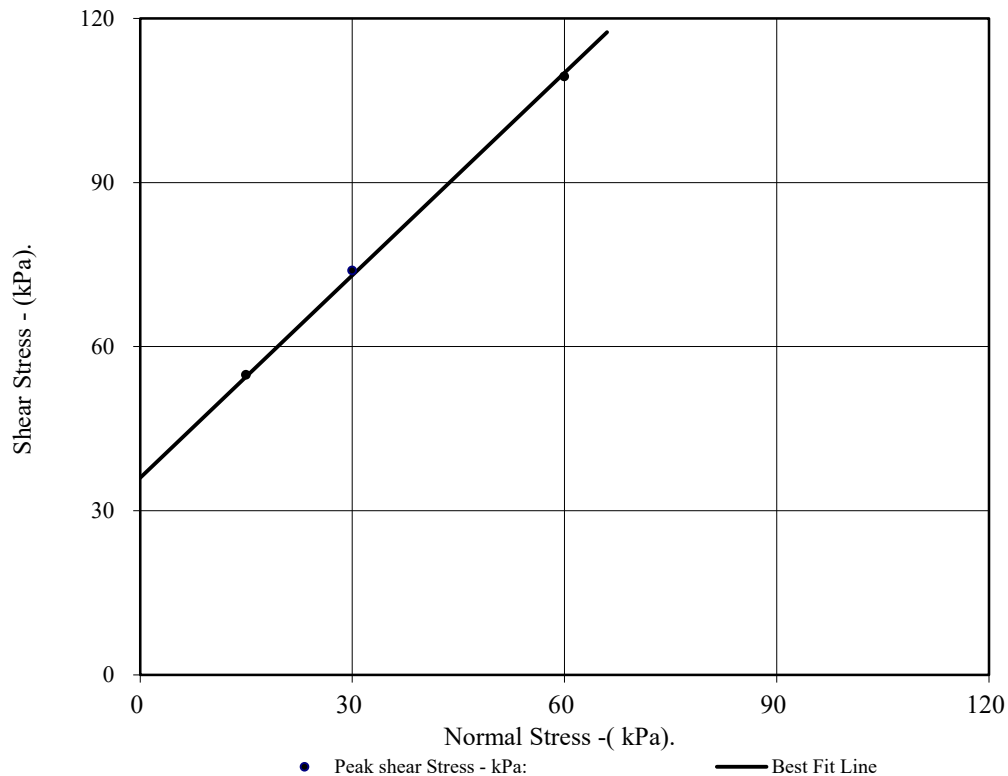
Client Ref:

21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	TP302		Top Depth:	1.50	
Sample Number:	AMAL		Base Depth:	2.00	
Sample Conditions:	Dry		Sample Type	AMAL	
Particle Density - Mg/m3:	2.65	Assumed	Remarks:		
Sample Preparation:	Material tested passing 20mm sieve Remoulded using 2.5kg effort.				
Sample Description:	See summary of soil descriptions				
STAGE			1	2	3
Initial Conditions					
Height - mm:			150	150	150
Length - mm:			300	300	300
Moisture Content - %:			6.8	6.8	6.8
Bulk Density - Mg/m3:			1.96	1.96	1.96
Dry Density - Mg/m3:			1.84	1.84	1.84
Voids Ratio:			0.443	0.443	0.443
Normal Pressure- kPa			15	30	60
Consolidation Stage					
Consolidated Height - mm:			149.77	149.28	148.41
Shearing Stage					
Rate of Strain (mm/min)			1.00	1.00	1.00
Displacement at peak shear stress (mm)			2.50	50.50	51.00
Peak shear Stress - kPa:			55	74	109
Final Consolidated Conditions					
Moisture Content - %:			6.4	6.7	6.5
Bulk Density - Mg/m3:			1.96	1.97	1.98
Dry Density - Mg/m3:			1.85	1.85	1.86
Peak					
Angle of Shearing Resistance:(θ)			51		
Effective Cohesion - kPa:			36		



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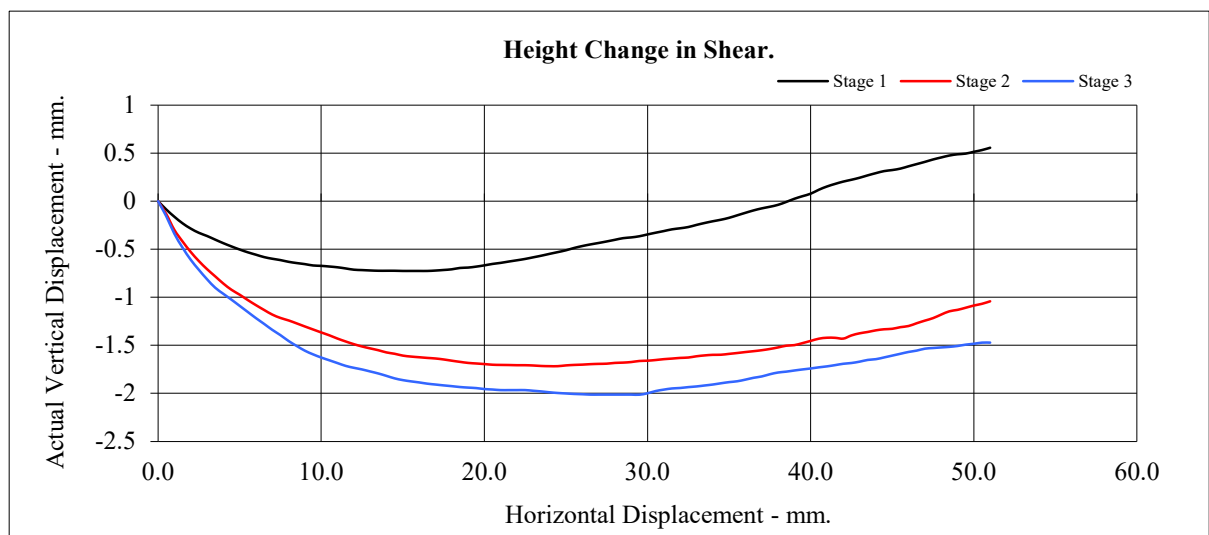
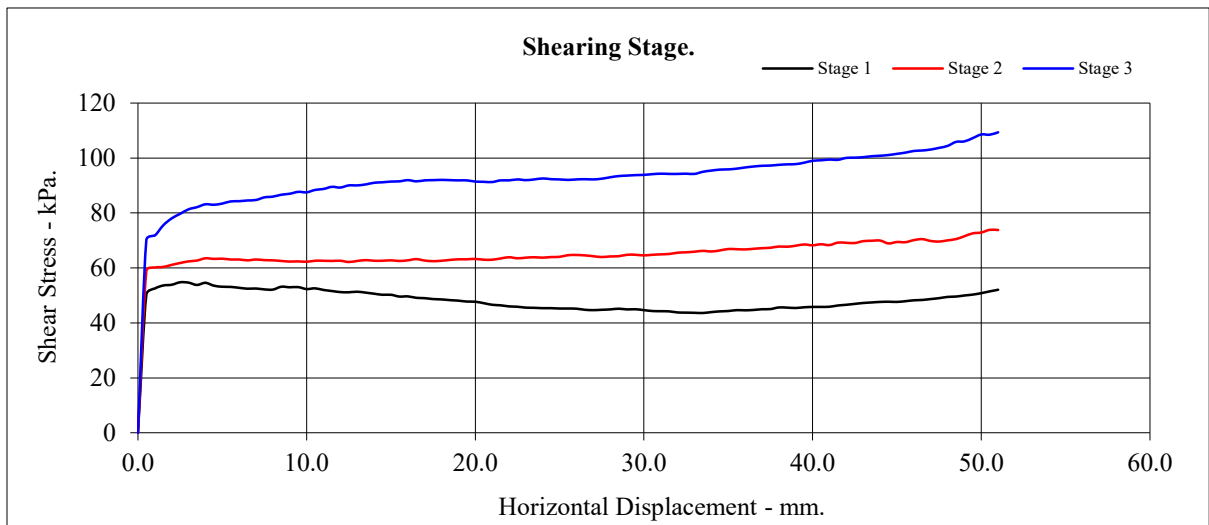
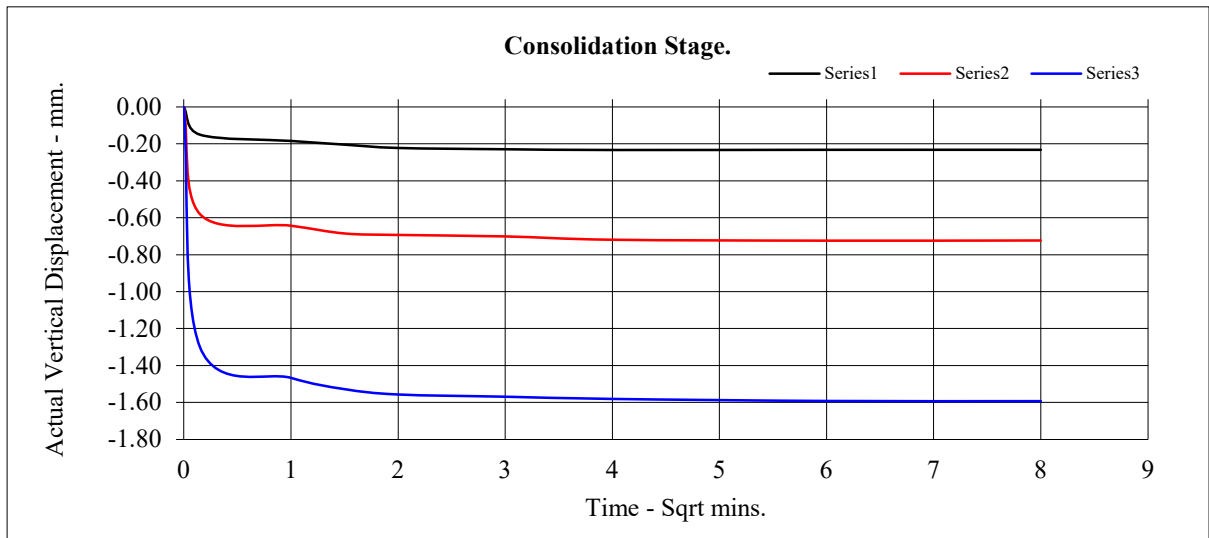
L4 Colt DCS Data Centre

Contract No:
PSL22/0489
Client Ref:
21/3600

CONSOLIDATED DRAINED SHEARBOX TEST

BS1377:Part 7:1990 Clause 5

Hole Number:	TP302	Top Depth:	1.50
Sample Number:	AMAL	Base Depth:	2.00



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L4 Colt DCS Data Centre

Contract No:
PSL22/0489
Client Ref:
21/3600

CONCEPT SITE INVESTIGATIONS					Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8					Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre					Client: HDCI Hayes London Limited								
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH101	U	12	6.90	Soft, light grey slightly sandy slightly micaceous silty CLAY with dark grey flecks	130	17.2	1.97	1.52	29	112	56	Brittle with plastic deformation	
BH101	UT	14	7.50	Firm, dark grey mottled light grey slightly sandy slightly micaceous silty CLAY with occasional dark grey flecks, rare shell fragments (<2mm) and 1No coarse flint gravel at 7.81m	140	10.1	2.02	1.62	25	184	92	Brittle with slight plastic deformation	
BH101	U	17	8.50	Firm to stiff, extremely closely fissured brownish dark grey slightly micaceous silty CLAY with occasional partings of silty sand (<1mm)	160	6.0	2.04	1.62	26	185	93	Brittle	
BH101	UT	19	9.00	Firm, grey mottled bluish grey slightly sandy silty CLAY with frequent dark grey flecks, a pocket of fine to coarse flint gravel at 9.35m, becoming soft at 9.34m	170	15.3	2.02	1.63	24	141	71	Brittle with plastic deformation	
BH101	U	35	18.50	Stiff, extremely closely fissured greyish brown slightly micaceous silty CLAY with rare pyrite nodules (<20mm)	350	3.9	2.00	1.57	28	138	69	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 13/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 14/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH101	UT	37	19.00	Stiff, extremely closely fissured greyish brown slightly micaceous silty CLAY	360	2.3	2.00	1.55	29	154	77	Brittle		
BH101	U	40	20.00	Soft, extremely closely fissured greyish brown slightly sandy slightly micaceous silty CLAY becoming stiff at 20.28m	380	6.1	2.03	1.61	25	227	114	Brittle		
BH101	UT	42	20.50	Stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY	390	9.6	2.05	1.65	24	251	126	Brittle		
BH101	U	45	21.50	Very stiff, extremely closely fissured dark grey slightly micaceous slightly sandy silty CLAY with a band of claystone between 21.80 and 21.81m	410	4.7	2.01	1.58	27	140	70	Brittle		
BH101	UT	47	22.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand, rare shell fragments (<2mm) and rare pyrite nodules (<20mm)	420	4.0	2.08	1.68	24	243	122	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 13/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 14/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported: 09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited							Job No.: 21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments
BH101	U	50	23.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	440	8.7	2.06	1.66	24	227	114	Brittle
BH101	UT	52	23.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm)	450	5.6	2.04	1.64	24	284	142	Brittle
BH101	U	55	24.50	Very stiff, extremely closely fissured slightly sandy slightly micaceous silty CLAY with 1No 40mm pocket of pyrite nodules (<10mm) at 24.91m	470	6.2	2.07	1.68	24	309	155	Brittle
BH101	UT	57	25.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<2mm)	480	3.4	2.06	1.66	24	298	149	Brittle
BH101	U	60	26.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm)	500	6.0	2.01	1.60	25	203	102	Brittle

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 13/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 14/10/20212	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH101	UT	62	26.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	510	3.1	2.05	1.64	25	263	132	Brittle		
BH101	U	65	27.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with 1No 40mm pocket of claystone fragments (<25mm)	530	4.1	2.07	1.67	24	349	175	Brittle		
BH101	UT	67	28.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	540	3.7	2.04	1.64	24	295	148	Brittle		
BH101	U	70	29.00	Very stiff, extremely closely fissured slightly micaceous silty CLAY with rare partings of silty sand (<2mm)	560	1.6	2.04	1.62	25	187	94	Brittle		
BH101	UT	72	29.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pockets of sand (<30mm) and 1No 45mm pocket of claystone fragments (<25mm)	570	4.8	2.07	1.65	25	389	195	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 13/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 15/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH101	U	75	30.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	590	5.2	2.04	1.63	25	303	152	Brittle		
BH101	UT	77	31.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	600	4.3	2.01	1.60	25	398	199	Brittle		
BH101	U	80	32.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	620	6.9	2.03	1.61	26	324	162	Brittle		
BH101	UT	82	32.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	630	3.7	2.03	1.61	26	362	181	Brittle		
BH101	U	86	33.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of sand (<1mm)	650	3.5	2.02	1.61	26	423	212	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 13/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 18/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH101	UT	88	34.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<10mm)	660	5.4	2.02	1.61	26	353	177	Brittle	
BH101	U	91	35.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional partings of sand (<1mm) and occasional pyrite nodules (<10mm)	680	6.3	2.04	1.65	24	436	218	Brittle	
BH101	UT	93	35.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pockets of sand (<40mm)	690	5.0	2.04	1.66	23	518	259	Brittle	
BH101	U	96	36.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with 1No 40 pocket of pyrite nodules (<20mm) and rare pockets of silty sand (<30mm)	710	7.3	2.08	1.68	24	516	258	Brittle	
BH101	UT	98	37.00	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pockets of silty sand (<30mm)	720	5.8	2.10	1.71	23	454	227	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 15/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 18/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH101	U	101	38.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of sand (<1mm)	740	6.9	2.05	1.66	24	395	198	Brittle	
BH101	UT	103	38.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pockets of sand (<30mm)	750	5.4	2.01	1.61	25	418	209	Brittle	
BH101	U	106	39.50	Stiff, dark grey slightly sandy slightly micaceous silty CLAY	770	14.6	2.08	1.73	20	386	193	Brittle with plastic deformation	
BH101	UT	108	40.00	Stiff, very closely fissured dark grey sandy slightly micaceous silty CLAY with occasional partings of sand, becoming firm at 40.29m	780	17.7	2.10	1.75	20	501	251	Brittle	
BH101	U	111	41.00	Firm, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of sand (<30mm), becoming stiff at 41.12m	800	7.2	2.01	1.62	24	243	122	Brittle with slight plastic deformation of the top half of the sample	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 15/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 18/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		09/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH101	UT	113	41.50	Very stiff, extremely closely fissured dark grey mottled orange slightly micaceous silty CLAY with occasional pyrite nodules (<20mm) and occasional pockets of sand (<30mm)	810	5.1	2.05	1.66	23	509	255	Brittle	
BH101	U	116	42.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pockets of sand (<30mm) and rare pyrite nodules (<6mm)	830	9.4	2.04	1.67	23	479	240	Brittle with slight plastic deformation	
BH101	UT	118	43.00	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pockets of sand (<30mm) and occasional pyrite nodules (<15mm)	840	9.9	2.05	1.68	22	420	210	Brittle with slight plastic deformation	
BH101	U	121	44.00	Very stiff, dark grey slightly sandy slightly micaceous silty CLAY with occasional shell fragments (<20mm)	860	15.9	2.12	1.78	19	664	332	Brittle with plastic deformation	
BH101	UT	123	44.50	Very stiff, extremely closely fissured dark grey sandy slightly micaceous silty CLAY with occasional partings of sand and occasional pockets of shell fragments (<40mm)	870	12.7	2.11	1.78	19	572	286	Brittle with slight plastic deformation	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 24/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 15/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 19/10/2021	Date Approved: 02/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH102B	UT	21	7.00	Firm very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<20mm) becoming stiff at 7.10m	140	7.2	1.95	1.49	31	158	79	Brittle		
BH102B	U	29	9.50	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<3mm)	190	7.0	2.00	1.57	27	238	119	Brittle		
BH102B	UT	40	13.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) becoming very stiff at 13.06m	260	4.1	2.00	1.57	27	110	55	Brittle		
BH102B	UT	45	14.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	290	6.7	2.00	1.58	26	249	125	Brittle		
BH102B	U	51	16.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<20mm)	320	9.0	2.05	1.65	24	289	145	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 11/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 18/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 19/01/2022	Date Approved: 28/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH102B	U	61	19.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<2mm)	380	5.8	1.99	1.57	27	282	141	Brittle		
BH102B	UT	67	21.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<20mm)	420	4.7	2.02	1.63	24	438	219	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 11/10/2021				CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 18/01/2022		Checked/Approved by: KM			
Date - sample testing completed: 19/01/2022		Date Approved: 28/01/2022			
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)					

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		13/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH103A	U	31	12.30	Stiff, extremely closely fissured dark brown slightly micaceous slightly sandy silty CLAY with rare shell fragments (<1mm)	240	8.4	2.03	1.63	25	255	128	Brittle		
BH103A	UT	38	14.30	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<2mm) and a pocket of claystone fragments (<30mm) at 14.37m	280	2.8	2.02	1.61	25	197	99	Brittle		
BH103A	U	46	16.80	Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), bioturbation, a pocket of shell fragments (<45mm) at 17.00m and a pocket of pyrite nodules (<50mm) at 16.92m; becoming very stiff at 16.91m	330	10.3	2.07	1.67	24	381	191	Brittle with slight plastic deformation on the top of the sample		
BH103A	UT	53	18.90	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<1mm) and 1No pocket of pyrite nodules (<30mm) at 18.96m	372	6.3	2.00	1.58	27	243	122	Brittle		
BH103A	UT	59	21.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<1mm)	414	5.9	2.00	1.56	28	288	144	Brittle		
BH103A	U	67	23.50	Firm, dark grey slightly micaceous silty CLAY with rare shell fragments (<1mm), occasional bioturbation; becoming very stiff at 23.60m	464	10.4	1.99	1.56	27	252	126	Brittle with slight plastic deformation		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 22/12/2021	Checked/Approved by: KM		
Date - sample testing completed: 23/12/2021	Date Approved: 12/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		13/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH103A	UT	78	27.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of light grey silty sand (<20mm) and occasional shell fragments (<2mm)	534	8.7	2.02	1.65	23	437	219	Brittle		
BH103A	U	86	29.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<1mm) and pockets of light grey silt (<15mm)	584	7.3	2.02	1.61	25	352	176	Brittle		
BH103A	UT	93	31.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<2mm) and pockets of light grey silt (<20mm)	624	3.1	2.05	1.64	25	224	112	Brittle		
BH103A	U	102	34.50	Stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<1mm) and pockets of light grey silt (<10mm); becoming very stiff at 34.59m	684	10.7	2.02	1.61	26	346	173	Brittle		
BH103A	UT	115	38.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<2mm), pyrite nodules (<3mm) and pockets of light grey silt (<30mm)	764	5.3	2.01	1.61	25	631	316	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/08/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 22/12/2021	Checked/Approved by: KM		
Date - sample testing completed: 23/12/2021	Date Approved: 13/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported: 21/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited							Job No.: 21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments
BH104C	U	14	7.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<20mm)	120	11.7	2.01	1.59	26	210	105	Brittle
BH104C	UT	20	9.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pockets of silty sand (<12mm)	160	4.8	1.99	1.57	27	222	111	Brittle
BH104C	U	29	11.50	Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<2mm), pyrite nodules (<5mm) and claystone fragments (<3mm), becoming stiff at 11.63m	220	5.0	1.97	1.55	28	254	127	Brittle
BH104C	UT	40	15.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and occasional pockets of light brown silt (<35mm)	280	6.5	2.04	1.65	24	449	225	Brittle
BH104C	U	49	17.50	Very stiff, extremely closely fissured, dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	340	4.9	2.03	1.63	24	409	205	Brittle

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 01/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 04/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 05/01/2022	Date Approved: 13/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported: 21/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited							Job No.: 21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments
BH104C	UT	60	21.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pyrite nodules (<6mm) and shell fragments (<5mm)	400	3.8	2.03	1.62	25	338	169	Brittle
BH104C	U	69	23.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<4mm)	460	4.4	1.99	1.59	26	364	182	Brittle
BH104C	UT	80	27.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and occasional partings of light brown silt (<2mm)	520	5.1	2.07	1.67	24	503	252	Brittle
BH104C	U	89	29.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	580	7.8	2.05	1.66	24	626	313	Brittle
BH104C	UT	95	31.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and occasional pockets of light brown silty sand (<60mm)	610	4.1	2.02	1.62	25	443	222	Brittle

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 01/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 04/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 05/01/2022	Date Approved: 13/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported: 21/01/2022		Job No.: 21/3600	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH104C	U	104	34.00	Very stiff, dark brown slightly micaceous silty CLAY with occasional shell fragments (<2mm) and a band of claystone between 34.25m and 34.28m	670							Insufficient testable sample due to claystone band	
BH104C	UT	116	38.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<5mm)	740	7.5	1.99	1.56	27	240	120	Brittle	
BH104C	U	125	40.50	Very stiff, extremely closely fissured dark brown slightly micaceous slightly sandy silty CLAY with occasional shell fragments (<1mm) and rare pockets of light grey silt (<45mm)	800	7.3	2.05	1.67	23	1023	512	Brittle	
BH104C	UT	133	43.50	Very stiff, dark brown slightly micaceous silty CLAY with occasional pyrite nodules (6mm), rare shell fragments (<1mm) and pockets of silty sand (<60mm)	850							Untested: Sample broken on extrusion	
BH104C	U	141	46.50	Very stiff, extremely closely fissured dark brown slightly micaceous slightly sandy silty CLAY with pockets of light brown silt (<40mm) and occasional shell fragments (<1mm)	909	8.8	1.95	1.60	21	829	415	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 01/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 04/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 05/01/2022	Date Approved: 16/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021				
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										Job No.:		21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments					
BH105	U	9	1.50	Stiff, bluish grey mottled orange slightly gravelly slightly sandy clayey SILT, becoming firm at 1.67m. Gravel is fine to medium flint	30	13.4	2.05	1.69	21	154	77	Brittle with plastic deformation					
BH105	UT	10	2.00	Stiff, orangish brown mottled grey slightly sandy gravelly silty CLAY. Gravel is fine to coarse flint; becoming orangish brown mottled bluish grey with no flint gravel at 2.16m	40	5.7	1.97	1.54	28	131	66	Brittle					
BH105	U	19	3.50	Stiff, extremely closely fissured greyish brown mottled bluish grey slightly micaceous silty CLAY with a pocket of shell fragments (<5mm) at 3.73m	74	8.5	1.95	1.50	30	134	67	Brittle					
BH105	UT	20	4.00	Stiff, very closely fissured greyish brown mottled bluish grey slightly micaceous silty CLAY with occasional shell fragments (<5mm)	84	7.9	1.96	1.51	30	205	103	Brittle					
BH105	U	24	5.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pyrite nodules (<15mm)	104	6.2	1.97	1.55	28	210	105	Brittle					

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 26/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 02/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH105	UT	30	7.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY	144	4.2	1.97	1.52	30	134	67	Brittle		
BH105	U	34	8.00	Stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<5mm)	164	6.9	1.94	1.50	29	142	71	Brittle		
BH105	U	39	9.50	Stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<10mm)	194	5.2	1.99	1.56	28	190	95	Brittle		
BH105	UT	40	10.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	204	4.8	1.98	1.56	27	231	116	Brittle		
BH105	U	44	11.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY	224	3.8	1.97	1.54	28	199	100	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 26/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 02/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH105	UT	50	13.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<15mm)	264	6.2	2.03	1.60	26	323	162	Brittle		
BH105	U	54	14.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<10mm)	254	4.8	2.00	1.57	27	345	173	Brittle		
BH105	U	64	17.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<5mm) and rare shell fragments (<5mm)	344	7.2	2.04	1.65	24	406	203	Brittle		
BH105	UT	65	17.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<20mm)	354	1.9	2.04	1.64	24	228	114	Brittle		
BH105	U	74	20.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and rare shell fragments (<5mm)	404	5.3	2.01	1.60	26	462	231	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 27/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 02/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH105	U	79	21.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pyrite nodules (<15mm) and rare shell fragments (<5mm)	434	3.9	2.00	1.58	27	311	156	Brittle		
BH105	UT	80	22.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<15mm)	444	4.2	1.98	1.56	27	325	163	Brittle		
BH105	U	89	24.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<5mm)	494	3.2	2.02	1.64	23	345	173	Brittle		
BH105	U	94	26.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<50mm)	524	4.0	2.07	1.69	22	407	204	Brittle		
BH105	UT	96	26.50	Very stiff, extremely closely fissured dark grey mottled reddish orange slightly micaceous silty CLAY with occasional pockets of silty sand (<30mm)	534	4.8	2.07	1.68	23	489	245	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 27/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 29/10/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH105	U	104	29.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional partings (<1mm) of silty sand	584	6.6	2.04	1.64	25	584	292	Brittle		
BH105	UT	111	31.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm)	624	1.8	2.03	1.62	25	275	138	Brittle		
BH105	UT	116	32.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional partings of silty sand (<1mm) and rare shell fragments (<5mm)	654	5.4	2.03	1.63	25	594	297	Brittle		
BH105	U	124	35.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with a band of claystone between 35.16 and 35.18m	704	5.4	2.02	1.58	28	376	188	Brittle		
BH105	UT	126	35.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and 1No 20mm pocket of pyrite nodules (<5mm) at 35.59m	714	5.4	2.01	1.59	27	710	355	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 27/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 02/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH105	UT	131	37.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<5mm)	744	5.0	2.01	1.59	27	692	346	Brittle	
BH105	U	139	39.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional shell fragments (<5mm) and rare partings of silty sand (<1mm)	794	8.1	2.01	1.61	25	570	285	Brittle	
BH105	U	144	41.00	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY	824	9.8	2.06	1.69	22	835	418	Brittle	
BH105	UT	146	41.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and occasional pockets of silty sand (<40mm)	834	3.2	2.04	1.64	25	561	281	Brittle	
BH105	U	149	42.50	Very stiff, dark grey slightly micaceous sandy silty CLAY with rare pyrite nodules (<5mm)	854	10.9	2.35	2.00	18	786	393	Brittle with slight plastic deformation	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 27/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 02/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH105	UT	156	44.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<10mm), occasional pockets of silty sand (<40mm) and rare shell fragments (<5mm)	694	4.0	2.08	1.71	22	846	423	Brittle		
BH105	U	159	45.50	Very stiff, dark grey slightly micaceous sandy silty CLAY with occasional pockets of silty sand (<40mm)	914	11.8	2.11	1.77	19	1043	522	Brittle with slight plastic deformation		
BH105	UT	161	46.00	Very stiff, dark grey slightly sandy slightly micaceous silty CLAY with occasional shell fragments (<5mm)	924	4.8	2.12	1.78	19	1044	522	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 16/09/2021				CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk				 	
Date - sample testing commenced: 27/10/2021		Checked/Approved by: KM							
Date - sample testing completed: 02/11/2021		Date Approved: 10/11/2021							
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)									

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	U	18	7.00	Stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with 1No pocket (<40mm) of claystone fragments at 7.25m and rare shell fragments (<10mm)	140	10.8	2.01	1.59	27	205	103	Brittle with plastic deformation		
BH106	UT	20	7.50	Stiff, very closely fissure dark greyish brown slightly micaceous silty CLAY with occasional pyrite nodules (<10mm), rare shell fragments (<5mm) and 1No pocket of claystone fragments (<50mm) at 7.67m	150	5.4	2.03	1.59	27	208	104	Brittle		
BH106	UT	25	9.00	Stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with rare pyrite nodule (<15mm)	180	5.8	2.02	1.59	27	282	141	Brittle		
BH106	UT	30	10.50	Stiff, extremely closely fissured dark greyish brown slightly micaceous silty CLAY with occasional pyrite nodules (<20mm) and rare shell fragments (<5mm)	210	5.8	2.02	1.58	28	274	137	Brittle		
BH106	UT	35	11.90	Very stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with rare shell fragments (<5mm)	238	4.6	2.02	1.66	22	342	171	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 25/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 05/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	UT	40	13.50	Very stiff, extremely closely fissured dark greyish brown slightly sandy slightly micaceous silty CLAY with occasional pyrite nodules (<10mm)	270	3.3	2.01	1.58	27	255	128	Brittle		
BH106	U	43	14.50	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and occasional pyrite nodules (<25mm)	290	5.8	2.07	1.68	23	396	198	Brittle		
BH106	UT	45	15.00	Very stiff, extremely closely fissured dark greyish brown slightly micaceous silty CLAY with rare pockets of sand (<30mm)	300	3.7	2.02	1.62	25	336	168	Brittle		
BH106	UT	50	16.50	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY	330	5.3	2.01	1.59	26	501	251	Brittle		
BH106	UT	56	18.00	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY	360	5.4	2.02	1.60	26	456	228	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 03/11/2021	Checked/Approved by: KM		
Date - sample testing completed: 05/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported: 10/11/2021		Job No.: 21/3600	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m ²	Strain at failure %	Bulk Density Mg/m ³	Dry Density Mg/m ³	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH106	U	60	19.10	Very stiff, extremely closely fissured dark brownish grey slightly sandy slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<5mm)	382	2.8	2.04	1.64	24	358	179	Brittle	
BH106	U	61A	19.60	Very stiff, extremely closely fissured dark brownish grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<15mm) and rare shell fragments (<5mm)	392	4.8	2.07	1.67	24	466	233	Brittle	
BH106	U	64	20.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<5mm)	410	5.0	2.05	1.64	25	378	189	Brittle	
BH106	UT	66	21.00	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare pyrite nodules (<10mm) and rare shell fragments (<3mm)	420	4.1	2.02	1.60	26	387	194	Brittle	
BH106	U	70	22.50	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with occasional pyrite nodules (<35mm) and rare shell fragments (<3mm)	450	3.4	2.01	1.59	26	292	146	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 25/10/2021	Checked/Approved by: KM		
Date - sample testing completed: 05/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		10/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	U	75	24.00	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with occasional pyrite nodules (<10mm) and rare pockets of silty sand (<30mm)	480	5.8	2.05	1.63	26	452	226	Brittle		
BH106	UT	77	24.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pyrite nodules (<3mm), rare partings of silty sand (<1mm) and rare pockets of silty sand (<60mm)	490	5.0	2.01	1.60	25	443	222	Brittle		
BH106	U	80	25.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and rare pockets of silty sand (<60mm)	510	3.2	2.07	1.68	23	430	215	Brittle		
BH106	UT	82	25.90	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare partings of silty sand (<1mm) and occasional pockets of silty sand (<30mm)	518	3.6	2.07	1.68	23	305	153	Brittle		
BH106	U	85	27.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm) and a band of claystone between 27.12m and 27.13m	540	5.1	2.07	1.68	23	432	216	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 04/11/2021	Checked/Approved by: KM		
Date - sample testing completed: 08/11/2021	Date Approved: 10/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		17/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	UT	87	27.40	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm)	548	4.9	2.06	1.68	23	547	274	Brittle		
BH106	U	90	28.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare partings of silty sand (<1mm)	570	5.2	2.07	1.68	23	612	306	Brittle		
BH106	UT	92	29.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<60mm), rare pyrite nodules (<20mm) and rare shell fragments (<5mm)	580	4.8	2.08	1.68	23	658	329	Brittle		
BH106	U	95	30.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<50mm)	600	7.2	2.02	1.63	24	616	308	Brittle		
BH106	UT	97	30.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pockets of silty sand (<60mm)	610	5.1	2.04	1.66	23	571	286	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 04/11/2021	Checked/Approved by: KM		
Date - sample testing completed: 09/11/2021	Date Approved: 17/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		17/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	U	100	31.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and occasional pockets of silty sand (<50mm)	630	5.8	2.04	1.64	24	745	373	Brittle		
BH106	UT	102	32.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<40mm)	640	3.7	2.05	1.66	24	582	291	Brittle		
BH106	U	106	33.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<30mm) and a pocket of claystone fragments at 33.62m	670	4.6	2.04	1.63	25	471	236	Brittle		
BH106	UT	108	33.90	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<30mm)	678	4.0	2.03	1.63	25	542	271	Brittle		
BH106	U	111	35.00	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<6mm) and rare pockets of silty sand (<50mm)	700	3.0	2.02	1.62	25	392	196	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 ASSOCIATION OF GEOTECHNICAL & GEO-ENVIRONMENTAL SPECIALISTS	 UKAS TESTING 4503
Date - sample testing commenced: 04/11/2021	Checked/Approved by: KM			
Date - sample testing completed: 10/11/2021	Date Approved: 17/11/2021			
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)				

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		17/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	UT	113	35.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<5mm)	710	3.4	2.02	1.60	27	403	202	Brittle		
BH106	U	117	36.70	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare shell fragments (<3mm)	734	1.7	2.00	1.60	25	296	148	Brittle		
BH106	UT	119	37.20	Very stiff, extremely closely fissured dark brownish grey slightly micaceous silty CLAY with rare shell fragments (<15mm) and rare pockets of silty sand (<50mm)	744	3.7	2.03	1.65	23	811	406	Brittle		
BH106	U	122	38.30	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with 1No pocket of shell fragments (30mm) and 1No pyrite nodule (<12mm)	766	6.7	2.04	1.65	24	855	428	Brittle		
BH106	UT	124	38.80	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with occasional pockets of silty sand (<40mm)	776	4.3	2.05	1.66	23	672	336	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021				CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk				 	
Date - sample testing commenced: 09/11/2021		Checked/Approved by: KM							
Date - sample testing completed: 10/11/2021		Date Approved: 17/11/2021							
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)									

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		17/11/2021	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH106	U	127	40.00	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with frequent shell fragments (<3mm), occasional pockets of silty sand (<30mm) and rare pyrite nodules (<10mm)	800	7.2	2.04	1.67	22	911	456	Brittle		
BH106	U	131	41.50	Very stiff, extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY with rare pyrite nodules (<6mm)	830	6.7	1.86	1.53	21	992	496	Brittle		
BH106	U	135	43.00	Very stiff , extremely closely fissured dark grey slightly sandy slightly micaceous silty CLAY becoming soft and sandy at 43.24m	860	6.7	2.07	1.71	21	448	224	Brittle		
BH106	U	139	44.50	Very stiff, extremely closely fissured dark grey slightly micaceous silty CLAY with rare pockets of silty sand (<25mm) and rare pyrite nodules (<10mm)	890	4.1	2.07	1.70	22	592	296	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 03/09/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 10/11/2021	Checked/Approved by: KM		
Date - sample testing completed: 12/11/2021	Date Approved: 17/11/2021		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		21/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH107	U	17	6.50	Soft to firm, grey mottled black sandy silty CLAY with rare shell fragments (<1mm)	120	19.4	1.99	1.53	30	72	36	Plastic	
BH107	U	35	15.50	Firm to stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<20mm)	300	9.1	2.04	1.64	25	240	120	Brittle	
BH107	UT	45	18.50	Stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<2mm) and pyrite nodules (<2mm)	360	11.6	2.01	1.58	27	217	109	Brittle	
BH107	UT	56	21.50	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	420	3.5	2.01	1.59	26	212	106	Brittle	
BH107	U	64	24.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), pockets of silt (<15mm) and 1No pocket of pyrite nodules (<30mm) at 24.14m	470	5.1	2.05	1.66	23	311	156	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 10/11/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 11/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 12/01/2022	Date Approved: 20/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported: 21/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited							Job No.: 21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments
BH107	UT	70	26.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), partings of silt (<2mm) and 1No pocket of pyrite nodules (20mm) at 26.13m	510	6.7	2.06	1.67	23	331	166	Brittle
BH107	U	79	28.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	560	7.3	2.03	1.63	25	352	176	Brittle
BH107	U	84	30.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare partings of silt (<3mm) and pockets of silt (<50mm)	590	6.3	2.03	1.63	25	312	156	Brittle
BH107	UT	90	32.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pockets of silt (<15mm)	630	5.2	2.02	1.62	25	273	137	Brittle
BH107	U	95	33.00	Stiff, very closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	650	12.4	1.97	1.54	29	145	73	Brittle with slight plastic deformation

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 10/11/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 11/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 12/01/2022	Date Approved: 20/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported: 21/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited							Job No.: 21/3600	
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments
BH107	U	100	35.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<40mm)	690	7.0	2.02	1.61	25	232	116	Brittle
BH107	U	106	38.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and pyrite nodules (<15mm), becoming soft between 38.25m and 38.26m	750	4.7	1.98	1.55	28	113	57	Brittle
BH107	UT	112	41.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	810	6.5	2.04	1.64	24	371	186	Brittle
BH107	UT	115	42.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<5mm), pyrite nodules (<4mm) and occasional pockets of brown silt (<25mm)	840	4.3	2.06	1.67	23	563	282	Brittle
BH107	UT	121	45.50	Very stiff, extremely closely fissured dark brown slightly sandy slightly micaceous silty CLAY with frequent shell fragments (<22mm) and occasional pockets of light brown silty sand (<30mm)	900	6.7	2.10	1.75	20	598	299	Brittle

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 10/11/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 11/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 13/01/2022	Date Approved: 20/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH108	UT	20	10.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and occasional pyrite nodules (<13mm)	190	7.3	2.00	1.57	27	183	92	Brittle		
BH108	U	30	13.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pockets of silt (30mm)	250	5.0	1.99	1.57	27	265	133	Brittle		
BH108	UT	43	17.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	330	2.1	2.02	1.60	27	141	71	Brittle		
BH108	U	51	19.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<5mm)	380	9.3	2.03	1.63	25	298	149	Brittle		
BH108	U	56	21.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<10mm)	410	6.0	2.02	1.60	26	296	148	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 22/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 24/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 25/01/2022	Date Approved: 31/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8						Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited									
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments	
BH108	UT	62	23.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), rare pyrite nodules (<10mm) and 1No pocket of claystone fragments (<60mm) at 23.17m; becoming very stiff at 23.09m	450	7.3	2.00	1.57	27	259	130	Brittle	
BH108	U	66	24.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of light grey silt (<28mm), shell fragments (<1mm) and pyrite nodules (<8mm)	470	5.1	2.04	1.64	24	493	247	Brittle	

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 22/10/2021				CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk				 	
Date - sample testing commenced: 24/01/2022		Checked/Approved by: KM							
Date - sample testing completed: 25/01/2022		Date Approved: 31/01/2022							
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)									

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH109	UT	10	8.50	Stiff to very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	160	4.3	1.99	1.56	28	186	93	Brittle		
BH109	U	19	11.00	Stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) becoming very stiff at 11.07m	210	6.6	2.01	1.60	26	222	111	Brittle		
BH109	UT	30	14.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	280	8.2	1.99	1.61	24	292	146	Brittle		
BH109	U	40	17.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and rare pyrite nodules (<5mm)	330	7.4	2.03	1.60	27	361	181	Brittle		
BH109	UT	51	20.50	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of silt (<15mm) and shell fragments (<1mm)	400	5.6	2.01	1.62	24	420	210	Brittle		
BH109	U	60	23.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with occasional pockets of light brown silt (<60mm) and 1No pocket of pyrite nodules (<50mm) at 23.11m	450	6.2	2.06	1.68	23	559	280	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 24/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 25/01/2022	Date Approved: 31/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH110	UT	32	13.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare pockets of silt (<60mm), shell fragments (<1mm) and pyrite nodules (<15mm)	250	5.0	2.05	1.64	25	275	138	Brittle		
BH110	UT	42	16.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm)	310	7.6	2.03	1.62	25	286	143	Brittle		
BH110	UT	49	18.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<4mm)	350	7.9	2.05	1.64	25	307	154	Brittle		
BH110	U	54	20.00	Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<3mm) and rare pyrite nodules (<30mm) becoming very stiff at 20.14m	390	12.7	1.97	1.55	27	128	64	Brittle with plastic deformation of the top of the sample		
BH110	UT	68	24.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with occasional pockets of brown silt (<55mm), rare pyrite nodules (<35mm) and shell fragments (<2mm)	470	6.6	2.02	1.64	23	350	175	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 19/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 21/01/2022	Date Approved: 31/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH110	UT	78	27.00	Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with rare partings of silt (<3mm), rare shell fragments (<1mm) and pyrite nodules (<15mm) becoming very stiff at 27.11m	530	16.6	2.03	1.62	25	271	136	Brittle with plastic deformation on top of the sample		
BH110	U	84	29.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), rare pockets of light brown silt (<35mm) and 1No pocket of claystone fragments (<15mm) at 29.10m	570	7.1	1.99	1.61	24	255	128	Brittle		
BH110	UT	99	33.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm), occasional pockets of light brown silt (<20mm) and 1No pocket of claystone fragments (<60mm) at 33.14m	650	3.0	2.03	1.61	26	395	198	Brittle		
BH110	U	113	38.00	Very stiff, extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) and 1No pocket of pyrite nodules (<30mm) at 38.17m	750	5.3	2.00	1.59	25	430	215	Brittle		
BH110	U	122	41.00	Firm, extremely closely fissured dark brown slightly micaceous silty CLAY with occasional pockets of light brown silt (<50mm), rare shell fragments (<5mm) and pyrite nodules (<10mm) becoming very stiff at 41.27m	810	12.1	1.93	1.51	27	67	34	Brittle with plastic deformation		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021		CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 19/01/2022	Checked/Approved by: KM		
Date - sample testing completed: 21/01/2022	Date Approved: 31/01/2022		
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)			

CONCEPT SITE INVESTIGATIONS				Summary Test Report - Undrained Triaxial Compression (Single-Stage) BS 1377 : Part 7: 1990 Clause 8							Date Reported:		31/01/2022	
Site Location: L4 Colt DCS Data Centre				Client: HDCI Hayes London Limited										
BH No.	Sample Type	Sample No	Depth top (m)	Description	Cell pressure kN/m2	Strain at failure %	Bulk Density Mg/m3	Dry Density Mg/m3	NMC %	Max Dev. Stress kPa	Shear Strength kPa	Mode of failure/Comments		
BH110	UT	129	43.50	Stiff , extremely closely fissured dark brown slightly micaceous silty CLAY with rare shell fragments (<1mm) becoming very stiff at 43.59m	860	11.6	2.05	1.68	22	403	202	Brittle with slight plastic deformation on top of the sample		
BH110	UT	133	45.00	Very stiff, extremely closely fissured dark brown slightly sandy slightly micaceous silty CLAY with occasional pockets of light brown silt (<25mm), shell fragments (<7mm) and rare pyritised lignite fragments (<20mm)	890	9.6	2.10	1.75	20	618	309	Brittle		

Remarks: The results reported relate only to the items tested or sampled.

Date - samples received: 15/10/2021				CONCEPT 47-49 Brunel Road, London W3 7XR Tel: 02087401553 Email: Lab@conceptconsultants.co.uk	 
Date - sample testing commenced: 19/01/2022		Checked/Approved by: KM			
Date - sample testing completed: 21/01/2022		Date Approved: 31/01/2022			
Approved Signatories: L Griffin LG (QA Technical & Lab Mngr) – K Mazerant KM (Lab Mngr)					

14. CHEMICAL LABORATORY TEST RESULTS



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Final Report

Report No.:	21-28203-1		
Initial Date of Issue:	27-Aug-2021		
Client	Concept Consultants		
Client Address:	47 - 49 Brunel Road London W3 7XR		
Contact(s):	Ana Gonzalez Kasia Mazerant		
Project	21/3600 - GI at Colt DCS Data Centre, Hayes		
Quotation No.:	Q21-25109	Date Received:	11-Aug-2021
Order No.:	CL3033	Date Instructed:	23-Aug-2021
No. of Samples:	4		
Turnaround (Wkdays):	5	Results Due:	27-Aug-2021
Date Approved:	27-Aug-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Client: Concept Consultants	Chemtest Job No.:					21-28203	21-28203	21-28203	21-28203
Quotation No.: Q21-25109	Chemtest Sample ID.:					1260741	1260742	1260746	1260751
Order No.: CL3033	Client Sample Ref.:					1	2	6	15
	Sample Location:					BH103	BH103	BH103	TP309
	Sample Type:					SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.30	1.00	4.50	0.30
	Bottom Depth (m):					0.30	1.00	4.50	0.30
	Date Sampled:					09-Aug-2021	09-Aug-2021	09-Aug-2021	09-Aug-2021
	Asbestos Lab:					COVENTRY	COVENTRY		COVENTRY
Determinand	Accred.	SOP	Units	LOD					
ACM Type	U	2192		N/A	Fibres/Clumps	-			-
Asbestos Identification	U	2192		N/A	Chrysotile	No Asbestos Detected			No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	0.008				
Total Asbestos	U	2192	%	0.001	0.008				
Moisture	N	2030	%	0.020	12	13	6.0	7.1	
pH	U	2010		4.0	10.2	8.7	9.2	11.4	
Boron (Hot Water Soluble)	U	2120	mg/kg	0.40	0.83	1.6	< 0.40	0.91	
Cyanide (Total)	U	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Arsenic	U	2450	mg/kg	1.0	14	14	4.0	42	
Beryllium	U	2450	mg/kg	1.0	< 1.0	1.0	< 1.0	1.2	
Cadmium	U	2450	mg/kg	0.10	0.74	< 0.10	< 0.10	0.62	
Chromium	U	2450	mg/kg	1.0	20	27	8.4	16	
Antimony	N	2450	mg/kg	2.0	21	< 2.0	< 2.0	3.7	
Copper	U	2450	mg/kg	0.50	88	49	3.6	47	
Mercury	U	2450	mg/kg	0.10	1.0	< 0.10	< 0.10	0.27	
Nickel	U	2450	mg/kg	0.50	19	30	11	23	
Lead	U	2450	mg/kg	0.50	990	22	5.0	680	
Selenium	U	2450	mg/kg	0.20	< 0.20	0.60	< 0.20	< 0.20	
Vanadium	U	2450	mg/kg	5.0	30	42	5.7	28	
Zinc	U	2450	mg/kg	0.50	1000	55	15	150	
Total Organic Carbon	U	2625	%	0.20	1.9	0.36	< 0.20	4.7	
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C21-C35	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C8-C10	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	

Results - Soil

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Client: Concept Consultants	Chemtest Job No.:				21-28203	21-28203	21-28203	21-28203
Quotation No.: Q21-25109	Chemtest Sample ID.:				1260741	1260742	1260746	1260751
Order No.: CL3033	Client Sample Ref.:				1	2	6	15
	Sample Location:				BH103	BH103	BH103	TP309
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.30	1.00	4.50	0.30
	Bottom Depth (m):				0.30	1.00	4.50	0.30
	Date Sampled:				09-Aug-2021	09-Aug-2021	09-Aug-2021	09-Aug-2021
	Asbestos Lab:				COVENTRY	COVENTRY		COVENTRY
Determinand	Accred.	SOP	Units	LOD				
Aromatic TPH >C21-C35	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	< 10
Benzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
m & p-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	U	2760	mg/kg	0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	0.36	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	0.12	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	0.75	< 0.10	< 0.10	0.44
Pyrene	U	2800	mg/kg	0.10	0.74	< 0.10	< 0.10	0.44
Benzo[a]anthracene	U	2800	mg/kg	0.10	0.44	< 0.10	< 0.10	0.35
Chrysene	U	2800	mg/kg	0.10	0.56	< 0.10	< 0.10	0.42
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	0.86	< 0.10	< 0.10	0.68
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	0.31	< 0.10	< 0.10	0.25
Benzo[a]pyrene	U	2800	mg/kg	0.10	0.65	< 0.10	< 0.10	0.55
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	0.62	< 0.10	< 0.10	0.52
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.15	< 0.10	< 0.10	0.15
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	0.58	< 0.10	< 0.10	0.53
Total Of 16 PAH's	N	2800	mg/kg	2.0	6.1	< 2.0	< 2.0	4.3
PCB 81	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 77	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 105	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 114	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 118	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 123	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 126	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 156	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 157	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 167	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010
PCB 169	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010		< 0.0010

Results - Soil

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Client: Concept Consultants	Chemtest Job No.:		21-28203	21-28203	21-28203	21-28203
Quotation No.: Q21-25109	Chemtest Sample ID.:		1260741	1260742	1260746	1260751
Order No.: CL3033	Client Sample Ref.:		1	2	6	15
	Sample Location:		BH103	BH103	BH103	TP309
	Sample Type:		SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.30	1.00	4.50	0.30
	Bottom Depth (m):		0.30	1.00	4.50	0.30
	Date Sampled:		09-Aug-2021	09-Aug-2021	09-Aug-2021	09-Aug-2021
	Asbestos Lab:		COVENTRY	COVENTRY		COVENTRY
Determinand	Accred.	SOP	Units	LOD		
PCB 189	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010
Total PCBs (12 Congeners)	N	2815	mg/kg	0.0010	< 0.0010	< 0.0010
Total Phenols	U	2920	mg/kg	0.10	< 0.10	< 0.10

Results - Single Stage WAC

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Chemtest Job No: 21-28203					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1260741					Limits		
Sample Ref: 1					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: BH103							
Top Depth(m): 0.30							
Bottom Depth(m): 0.30							
Sampling Date: 09-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0034	0.034	0.5	2	25
Barium	1455	U	0.033	0.33	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.016	0.16	0.5	10	70
Copper	1455	U	0.012	0.12	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0023	0.023	0.5	10	30
Nickel	1455	U	0.0006	0.0059	0.4	10	40
Lead	1455	U	0.0021	0.021	0.5	10	50
Antimony	1455	U	0.044	0.44	0.06	0.7	5
Selenium	1455	U	0.0006	0.0061	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.4	14	800	15000	25000
Fluoride	1220	U	0.23	2.3	10	150	500
Sulphate	1220	U	13	130	1000	20000	50000
Total Dissolved Solids	1020	N	250	2500	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	3.9	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Chemtest Job No: 21-28203					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1260742					Limits		
Sample Ref: 2					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: BH103							
Top Depth(m): 1.00							
Bottom Depth(m): 1.00							
Sampling Date: 09-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0008	0.0076	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	0.0018	0.018	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0027	0.027	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.8	18	800	15000	25000
Fluoride	1220	U	0.53	5.3	10	150	500
Sulphate	1220	U	3.0	30	1000	20000	50000
Total Dissolved Solids	1020	N	54	540	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	11	110	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Chemtest Job No: 21-28203					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1260746					Limits		
Sample Ref: 6					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: BH103							
Top Depth(m): 4.50							
Bottom Depth(m): 4.50							
Sampling Date: 09-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0009	0.0085	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0006	0.0059	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.12	1.2	10	150	500
Sulphate	1220	U	< 1.0	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	14	140	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	3.2	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 - GI at Colt DCS Data Centre, Hayes

Chemtest Job No: 21-28203					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1260751					Limits		
Sample Ref: 15					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP309							
Top Depth(m): 0.30							
Bottom Depth(m): 0.30							
Sampling Date: 09-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0011	0.011	0.5	2	25
Barium	1455	U	0.051	0.51	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.022	0.22	0.5	10	70
Copper	1455	U	0.014	0.14	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0024	0.024	0.5	10	30
Nickel	1455	U	0.0025	0.025	0.4	10	40
Lead	1455	U	0.0091	0.091	0.5	10	50
Antimony	1455	U	0.0041	0.041	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.20	2.0	10	150	500
Sulphate	1220	U	14	140	1000	20000	50000
Total Dissolved Solids	1020	N	720	7100	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	3.1	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity 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.
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).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
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	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 <37°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
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
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.
2450	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.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane 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.
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
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane 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
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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

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 TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°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

Sample Deviation Codes

- 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 - Insufficient Sample (Applies to LOI in Trommel Fines Only)

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

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.:	21-30922-1		
Initial Date of Issue:	22-Sep-2021		
Client	Concept Consultants		
Client Address:	Unit 8 Warple Mews Warple Way London W3 0RF		
Contact(s):	Ana Gonzalez Kasia Mazerant		
Project	21/3600 Colt DCS		
Quotation No.:	Q21-25109	Date Received:	16-Aug-2021
Order No.:	CL3035	Date Instructed:	16-Sep-2021
No. of Samples:	11		
Turnaround (Wkdays):	5	Results Due:	22-Sep-2021
Date Approved:	22-Sep-2021		
Approved By:			
Details:	Glynn Harvey, Technical Manager		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:				TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:				11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-		-	-	-			-	
Asbestos Identification	U	2192		N/A	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected			No Asbestos Detected	
Moisture	N	2030	%	0.020	13	10	16	18	11	14	5.2	11	9.0
Soil Colour	N	2040		N/A				Brown					
Other Material	N	2040		N/A				Stones					
Soil Texture	N	2040		N/A				Clay					
pH	M	2010		4.0	[B] 8.6	[B] 9.5	[B] 9.6	[B] 7.9	[B] 10.3	[B] 8.2	[B] 8.3	[B] 8.0	[B] 8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	[B] 0.77	[B] 0.49	[B] 0.51	[B] 0.72	[B] 1.2	[B] 1.6	[B] 0.44	[B] 1.8	[B] 0.59
Cyanide (Total)	M	2300	mg/kg	0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50
Arsenic	M	2450	mg/kg	1.0	33	21	18	11	31	18	11	17	11
Beryllium	U	2450	mg/kg	1.0	1.7	1.1	< 1.0	< 1.0	< 1.0	1.2	< 1.0	1.1	< 1.0
Cadmium	M	2450	mg/kg	0.10	0.45	0.16	< 0.10	0.17	0.38	< 0.10	< 0.10	0.33	< 0.10
Chromium	M	2450	mg/kg	1.0	53	40	23	25	31	40	18	37	26
Antimony	N	2450	mg/kg	2.0	3.3	< 2.0	2.8	< 2.0	8.1	< 2.0	< 2.0	< 2.0	< 2.0
Copper	M	2450	mg/kg	0.50	120	110	41	25	40	33	27	97	41
Mercury	M	2450	mg/kg	0.10	1.0	0.22	0.45	0.16	1.7	0.15	< 0.10	0.47	< 0.10
Nickel	M	2450	mg/kg	0.50	48	33	21	21	26	36	20	28	19
Lead	M	2450	mg/kg	0.50	190	45	210	39	870	46	6.9	81	17
Selenium	M	2450	mg/kg	0.20	0.23	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	78	53	38	43	45	59	26	56	36
Zinc	M	2450	mg/kg	0.50	170	79	110	74	320	80	26	110	42
Total Organic Carbon	M	2625	%	0.20	[B] 1.4	[B] 0.36	[B] 1.5	[B] 0.48	[B] 2.5	[B] 0.34	[B] < 0.20	[B] 0.68	[B] < 0.20
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] 38	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] 320	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] 310	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[BC] < 5.0	[BC] < 5.0	[BC] < 5.0	[BC] 670	[B] < 5.0	[B] < 5.0	[BC] < 5.0	[BC] < 5.0	[BC] < 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] 28	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0	[B] < 1.0	[B] < 1.0	[BC] < 1.0	[BC] < 1.0	[BC] < 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[BC] < 5.0	[BC] < 5.0	[BC] < 5.0	[BC] 28	[B] < 5.0	[B] < 5.0	[BC] < 5.0	[BC] < 5.0	[BC] < 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[BC] < 10	[BC] < 10	[BC] < 10	[BC] 690	[B] < 10	[B] < 10	[BC] < 10	[BC] < 10	[BC] < 10
Dichlorodifluoromethane	U	2760	mg/kg	0.0010				[BC] < 0.0010					
Chloromethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Vinyl Chloride	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Bromomethane	M	2760	mg/kg	0.020				[BC] < 0.020					
Chloroethane	U	2760	mg/kg	0.0020				[BC] < 0.0020					
Trichlorofluoromethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,1-Dichloroethene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Trans 1,2-Dichloroethene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,1-Dichloroethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
cis 1,2-Dichloroethene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Bromochloromethane	U	2760	mg/kg	0.0050				[BC] < 0.0050					
Trichloromethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,1,1-Trichloroethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Tetrachloromethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,1-Dichloropropene	U	2760	mg/kg	0.0010				[BC] < 0.0010					
Benzene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[B] < 0.0010	[B] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010
1,2-Dichloroethane	M	2760	mg/kg	0.0020				[BC] < 0.0020					
Trichloroethene	N	2760	mg/kg	0.0010				[BC] < 0.0010					
1,2-Dichloropropane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Dibromomethane	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Bromodichloromethane	M	2760	mg/kg	0.0050				[BC] < 0.0050					
cis-1,3-Dichloropropene	N	2760	mg/kg	0.010				[BC] < 0.010					
Toluene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[B] < 0.0010	[B] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010
Trans-1,3-Dichloropropene	N	2760	mg/kg	0.010				[BC] < 0.010					
1,1,2-Trichloroethane	M	2760	mg/kg	0.010				[BC] < 0.010					
Tetrachloroethene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,3-Dichloropropane	U	2760	mg/kg	0.0020				[BC] < 0.0020					
Dibromochloromethane	U	2760	mg/kg	0.010				[BC] < 0.010					
1,2-Dibromoethane	M	2760	mg/kg	0.0050				[BC] < 0.0050					
Chlorobenzene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
1,1,1,2-Tetrachloroethane	M	2760	mg/kg	0.0020				[BC] < 0.0020					
Ethylbenzene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[B] < 0.0010	[B] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010
m & p-Xylene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[B] 0.0017	[B] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010
o-Xylene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[B] < 0.0010	[B] < 0.0010	[BC] < 0.0010	[BC] < 0.0010	[BC] < 0.0010
Styrene	M	2760	mg/kg	0.0010				[BC] < 0.0010					
Tribromomethane	U	2760	mg/kg	0.0010				[BC] < 0.0010					

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Isopropylbenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
Bromobenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
1,2,3-Trichloropropane	N	2760	mg/kg	0.050					[BC] < 0.050				
N-Propylbenzene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
2-Chlorotoluene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
1,3,5-Trimethylbenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
4-Chlorotoluene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
Tert-Butylbenzene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
1,2,4-Trimethylbenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
Sec-Butylbenzene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
1,3-Dichlorobenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
4-Isopropyltoluene	N	2760	mg/kg	0.0010					[BC] < 0.0010				
1,4-Dichlorobenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
N-Butylbenzene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
1,2-Dichlorobenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
1,2-Dibromo-3-Chloropropane	U	2760	mg/kg	0.050					[BC] < 0.050				
1,2,4-Trichlorobenzene	M	2760	mg/kg	0.0010					[BC] < 0.0010				
Hexachlorobutadiene	U	2760	mg/kg	0.0010					[BC] < 0.0010				
1,2,3-Trichlorobenzene	U	2760	mg/kg	0.0020					[BC] < 0.0020				
Methyl Tert-Butyl Ether	M	2760	mg/kg	0.0010					[BC] < 0.0010				
N-Nitrosodimethylamine	N	2790	mg/kg	0.050					[BC] < 0.050				
Phenol	N	2790	mg/kg	0.050					[BC] < 0.050				
2-Chlorophenol	N	2790	mg/kg	0.050					[BC] < 0.050				
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050					[BC] < 0.050				
1,3-Dichlorobenzene	N	2790	mg/kg	0.050					[BC] < 0.050				
1,4-Dichlorobenzene	N	2790	mg/kg	0.050					[BC] < 0.050				
1,2-Dichlorobenzene	N	2790	mg/kg	0.050					[BC] < 0.050				
2-Methylphenol	N	2790	mg/kg	0.050					[BC] < 0.050				
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050					[BC] < 0.050				
Hexachloroethane	N	2790	mg/kg	0.050					[BC] < 0.050				
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050					[BC] < 0.050				
4-Methylphenol	N	2790	mg/kg	0.050					[BC] < 0.050				
Nitrobenzene	N	2790	mg/kg	0.050					[BC] < 0.050				
Isophorone	N	2790	mg/kg	0.050					[BC] < 0.050				
2-Nitrophenol	N	2790	mg/kg	0.050					[BC] < 0.050				
2,4-Dimethylphenol	N	2790	mg/kg	0.050					[BC] < 0.050				
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050					[BC] < 0.050				
2,4-Dichlorophenol	N	2790	mg/kg	0.050					[BC] < 0.050				
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050					[BC] < 0.050				

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Naphthalene	N	2790	mg/kg	0.050				[BC] < 0.050					
4-Chloroaniline	N	2790	mg/kg	0.050				[BC] < 0.050					
Hexachlorobutadiene	N	2790	mg/kg	0.050				[BC] < 0.050					
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050				[BC] < 0.050					
2-Methylnaphthalene	N	2790	mg/kg	0.050				[BC] < 0.050					
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050				[BC] < 0.050					
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050				[BC] < 0.050					
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050				[BC] < 0.050					
2-Chloronaphthalene	N	2790	mg/kg	0.050				[BC] < 0.050					
2-Nitroaniline	N	2790	mg/kg	0.050				[BC] < 0.050					
Acenaphthylene	N	2790	mg/kg	0.050				[BC] < 0.050					
Dimethylphthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
2,6-Dinitrotoluene	N	2790	mg/kg	0.050				[BC] < 0.050					
Acenaphthene	N	2790	mg/kg	0.050				[BC] < 0.050					
3-Nitroaniline	N	2790	mg/kg	0.050				[BC] < 0.050					
Dibenzofuran	N	2790	mg/kg	0.050				[BC] < 0.050					
4-Chlorophenylphenylether	N	2790	mg/kg	0.050				[BC] < 0.050					
2,4-Dinitrotoluene	N	2790	mg/kg	0.050				[BC] < 0.050					
Fluorene	N	2790	mg/kg	0.050				[BC] < 0.050					
Diethyl Phthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
4-Nitroaniline	N	2790	mg/kg	0.050				[BC] < 0.050					
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050				[BC] < 0.050					
Azobenzene	N	2790	mg/kg	0.050				[BC] < 0.050					
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050				[BC] < 0.050					
Hexachlorobenzene	N	2790	mg/kg	0.050				[BC] < 0.050					
Pentachlorophenol	N	2790	mg/kg	0.050				[BC] < 0.050					
Phenanthrene	N	2790	mg/kg	0.050				[BC] < 0.050					
Anthracene	N	2790	mg/kg	0.050				[BC] < 0.050					
Carbazole	N	2790	mg/kg	0.050				[BC] < 0.050					
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
Fluoranthene	N	2790	mg/kg	0.050				[BC] < 0.050					
Pyrene	N	2790	mg/kg	0.050				[BC] < 0.050					
Butylbenzyl Phthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
Benzo[a]anthracene	N	2790	mg/kg	0.050				[BC] < 0.050					
Chrysene	N	2790	mg/kg	0.050				[BC] < 0.050					
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050				[BC] < 0.050					
Benzo[b]fluoranthene	N	2790	mg/kg	0.050				[BC] < 0.050					
Benzo[k]fluoranthene	N	2790	mg/kg	0.050				[BC] < 0.050					

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274031
	Sample Location:				TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:				11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD								
Benzo[a]pyrene	N	2790	mg/kg	0.050				[BC] < 0.050				
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050				[BC] < 0.050				
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050				[BC] < 0.050				
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050				[BC] < 0.050				
4-Nitrophenol	N	2790	mg/kg	0.050				[BC] < 0.050				
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	< 0.10	1.1	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	0.15	< 0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	1.6	0.34	0.20	< 0.10	2.4	< 0.10	< 0.10	0.32
Pyrene	M	2800	mg/kg	0.10	1.5	0.33	0.19	< 0.10	3.4	< 0.10	< 0.10	0.26
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.85	0.12	0.15	< 0.10	1.6	< 0.10	< 0.10	0.12
Chrysene	M	2800	mg/kg	0.10	1.1	0.21	0.16	< 0.10	1.9	< 0.10	< 0.10	0.23
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	1.7	0.31	0.14	< 0.10	1.5	< 0.10	< 0.10	0.31
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.74	0.15	0.12	< 0.10	0.58	< 0.10	< 0.10	0.15
Benzo[a]pyrene	M	2800	mg/kg	0.10	1.7	0.23	0.13	< 0.10	1.4	< 0.10	< 0.10	0.30
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	1.2	< 0.10	< 0.10	< 0.10	0.62	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.19	< 0.10	< 0.10	< 0.10	0.16	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	1.1	< 0.10	< 0.10	< 0.10	0.70	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	12	< 2.0	< 2.0	< 2.0	16	< 2.0	< 2.0	< 2.0
PCB 81	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 77	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 105	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 114	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 118	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 123	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 126	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 156	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 157	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 167	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 169	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
PCB 189	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
Total PCBs (12 Congeners)	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010
Resorcinol	M	2920	mg/kg	0.020				< 0.020				< 0.020
Phenol	M	2920	mg/kg	0.020				< 0.020				< 0.020
Cresols	M	2920	mg/kg	0.020				< 0.020				< 0.020
Xylenols	M	2920	mg/kg	0.020				< 0.020				< 0.020

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:				TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:				11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD									
1-Naphthol	N	2920	mg/kg	0.020				< 0.020				< 0.020	
Trimethylphenols	M	2920	mg/kg	0.020				< 0.020				< 0.020	
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
ACM Type	U	2192		N/A	-	
Asbestos Identification	U	2192		N/A	No Asbestos Detected	
Moisture	N	2030	%	0.020	9.2	11
Soil Colour	N	2040		N/A		
Other Material	N	2040		N/A		
Soil Texture	N	2040		N/A		
pH	M	2010		4.0	[B] 9.8	[B] 8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	[B] 2.0	[B] 0.97
Cyanide (Total)	M	2300	mg/kg	0.50	[B] < 0.50	[B] < 0.50
Arsenic	M	2450	mg/kg	1.0	29	37
Beryllium	U	2450	mg/kg	1.0	1.2	1.9
Cadmium	M	2450	mg/kg	0.10	21	0.66
Chromium	M	2450	mg/kg	1.0	35	50
Antimony	N	2450	mg/kg	2.0	6.1	< 2.0
Copper	M	2450	mg/kg	0.50	210	48
Mercury	M	2450	mg/kg	0.10	0.83	< 0.10
Nickel	M	2450	mg/kg	0.50	59	59
Lead	M	2450	mg/kg	0.50	190	26
Selenium	M	2450	mg/kg	0.20	< 0.20	0.33
Vanadium	U	2450	mg/kg	5.0	43	78
Zinc	M	2450	mg/kg	0.50	360	74
Total Organic Carbon	M	2625	%	0.20	[B] 10	[B] 1.2
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[BC] 6500	[BC] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[BC] 6500	[BC] < 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[BC] 1200	[BC] < 1.0

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[BC] < 1.0	[BC] < 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[BC] 1200	[BC] < 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[BC] 7800	[BC] < 10
Dichlorodifluoromethane	U	2760	mg/kg	0.0010		
Chloromethane	M	2760	mg/kg	0.0010		
Vinyl Chloride	M	2760	mg/kg	0.0010		
Bromomethane	M	2760	mg/kg	0.020		
Chloroethane	U	2760	mg/kg	0.0020		
Trichlorofluoromethane	M	2760	mg/kg	0.0010		
1,1-Dichloroethene	M	2760	mg/kg	0.0010		
Trans 1,2-Dichloroethene	M	2760	mg/kg	0.0010		
1,1-Dichloroethane	M	2760	mg/kg	0.0010		
cis 1,2-Dichloroethene	M	2760	mg/kg	0.0010		
Bromochloromethane	U	2760	mg/kg	0.0050		
Trichloromethane	M	2760	mg/kg	0.0010		
1,1,1-Trichloroethane	M	2760	mg/kg	0.0010		
Tetrachloromethane	M	2760	mg/kg	0.0010		
1,1-Dichloropropene	U	2760	mg/kg	0.0010		
Benzene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010
1,2-Dichloroethane	M	2760	mg/kg	0.0020		
Trichloroethene	N	2760	mg/kg	0.0010		
1,2-Dichloropropane	M	2760	mg/kg	0.0010		
Dibromomethane	M	2760	mg/kg	0.0010		
Bromodichloromethane	M	2760	mg/kg	0.0050		
cis-1,3-Dichloropropene	N	2760	mg/kg	0.010		
Toluene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010
Trans-1,3-Dichloropropene	N	2760	mg/kg	0.010		
1,1,2-Trichloroethane	M	2760	mg/kg	0.010		
Tetrachloroethene	M	2760	mg/kg	0.0010		
1,3-Dichloropropane	U	2760	mg/kg	0.0020		
Dibromochloromethane	U	2760	mg/kg	0.010		
1,2-Dibromoethane	M	2760	mg/kg	0.0050		
Chlorobenzene	M	2760	mg/kg	0.0010		
1,1,1,2-Tetrachloroethane	M	2760	mg/kg	0.0020		
Ethylbenzene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010
m & p-Xylene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010
o-Xylene	M	2760	mg/kg	0.0010	[BC] < 0.0010	[BC] < 0.0010
Styrene	M	2760	mg/kg	0.0010		
Tribromomethane	U	2760	mg/kg	0.0010		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Isopropylbenzene	M	2760	mg/kg	0.0010		
Bromobenzene	M	2760	mg/kg	0.0010		
1,2,3-Trichloropropane	N	2760	mg/kg	0.050		
N-Propylbenzene	U	2760	mg/kg	0.0010		
2-Chlorotoluene	M	2760	mg/kg	0.0010		
1,3,5-Trimethylbenzene	M	2760	mg/kg	0.0010		
4-Chlorotoluene	U	2760	mg/kg	0.0010		
Tert-Butylbenzene	U	2760	mg/kg	0.0010		
1,2,4-Trimethylbenzene	M	2760	mg/kg	0.0010		
Sec-Butylbenzene	U	2760	mg/kg	0.0010		
1,3-Dichlorobenzene	M	2760	mg/kg	0.0010		
4-Isopropyltoluene	N	2760	mg/kg	0.0010		
1,4-Dichlorobenzene	M	2760	mg/kg	0.0010		
N-Butylbenzene	U	2760	mg/kg	0.0010		
1,2-Dichlorobenzene	M	2760	mg/kg	0.0010		
1,2-Dibromo-3-Chloropropane	U	2760	mg/kg	0.050		
1,2,4-Trichlorobenzene	M	2760	mg/kg	0.0010		
Hexachlorobutadiene	U	2760	mg/kg	0.0010		
1,2,3-Trichlorobenzene	U	2760	mg/kg	0.0020		
Methyl Tert-Butyl Ether	M	2760	mg/kg	0.0010		
N-Nitrosodimethylamine	N	2790	mg/kg	0.050		
Phenol	N	2790	mg/kg	0.050		
2-Chlorophenol	N	2790	mg/kg	0.050		
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050		
1,3-Dichlorobenzene	N	2790	mg/kg	0.050		
1,4-Dichlorobenzene	N	2790	mg/kg	0.050		
1,2-Dichlorobenzene	N	2790	mg/kg	0.050		
2-Methylphenol	N	2790	mg/kg	0.050		
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050		
Hexachloroethane	N	2790	mg/kg	0.050		
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050		
4-Methylphenol	N	2790	mg/kg	0.050		
Nitrobenzene	N	2790	mg/kg	0.050		
Isophorone	N	2790	mg/kg	0.050		
2-Nitrophenol	N	2790	mg/kg	0.050		
2,4-Dimethylphenol	N	2790	mg/kg	0.050		
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050		
2,4-Dichlorophenol	N	2790	mg/kg	0.050		
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Naphthalene	N	2790	mg/kg	0.050		
4-Chloroaniline	N	2790	mg/kg	0.050		
Hexachlorobutadiene	N	2790	mg/kg	0.050		
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050		
2-Methylnaphthalene	N	2790	mg/kg	0.050		
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050		
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050		
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050		
2-Chloronaphthalene	N	2790	mg/kg	0.050		
2-Nitroaniline	N	2790	mg/kg	0.050		
Acenaphthylene	N	2790	mg/kg	0.050		
Dimethylphthalate	N	2790	mg/kg	0.050		
2,6-Dinitrotoluene	N	2790	mg/kg	0.050		
Acenaphthene	N	2790	mg/kg	0.050		
3-Nitroaniline	N	2790	mg/kg	0.050		
Dibenzofuran	N	2790	mg/kg	0.050		
4-Chlorophenylphenylether	N	2790	mg/kg	0.050		
2,4-Dinitrotoluene	N	2790	mg/kg	0.050		
Fluorene	N	2790	mg/kg	0.050		
Diethyl Phthalate	N	2790	mg/kg	0.050		
4-Nitroaniline	N	2790	mg/kg	0.050		
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050		
Azobenzene	N	2790	mg/kg	0.050		
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050		
Hexachlorobenzene	N	2790	mg/kg	0.050		
Pentachlorophenol	N	2790	mg/kg	0.050		
Phenanthrene	N	2790	mg/kg	0.050		
Anthracene	N	2790	mg/kg	0.050		
Carbazole	N	2790	mg/kg	0.050		
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050		
Fluoranthene	N	2790	mg/kg	0.050		
Pyrene	N	2790	mg/kg	0.050		
Butylbenzyl Phthalate	N	2790	mg/kg	0.050		
Benzo[a]anthracene	N	2790	mg/kg	0.050		
Chrysene	N	2790	mg/kg	0.050		
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050		
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050		
Benzo[b]fluoranthene	N	2790	mg/kg	0.050		
Benzo[k]fluoranthene	N	2790	mg/kg	0.050		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Benzo[a]pyrene	N	2790	mg/kg	0.050		
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050		
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050		
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050		
4-Nitrophenol	N	2790	mg/kg	0.050		
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	0.52	< 0.10
Pyrene	M	2800	mg/kg	0.10	0.53	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.33	< 0.10
Chrysene	M	2800	mg/kg	0.10	0.32	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	0.44	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.18	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	0.44	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	2.8	< 2.0
PCB 81	N	2815	mg/kg	0.0010		
PCB 77	N	2815	mg/kg	0.0010		
PCB 105	N	2815	mg/kg	0.0010		
PCB 114	N	2815	mg/kg	0.0010		
PCB 118	N	2815	mg/kg	0.0010		
PCB 123	N	2815	mg/kg	0.0010		
PCB 126	N	2815	mg/kg	0.0010		
PCB 156	N	2815	mg/kg	0.0010		
PCB 157	N	2815	mg/kg	0.0010		
PCB 167	N	2815	mg/kg	0.0010		
PCB 169	N	2815	mg/kg	0.0010		
PCB 189	N	2815	mg/kg	0.0010		
Total PCBs (12 Congeners)	N	2815	mg/kg	0.0010		
Resorcinol	M	2920	mg/kg	0.020		
Phenol	M	2920	mg/kg	0.020		
Cresols	M	2920	mg/kg	0.020		
Xylenols	M	2920	mg/kg	0.020		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:			21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:			1274032	1274033
	Sample Location:			WS211	WS211
	Sample Type:			SOIL	SOIL
	Top Depth (m):			0.3	1.0
	Date Sampled:			10-Aug-2021	10-Aug-2021
	Asbestos Lab:			COVENTRY	
Determinand	Accred.	SOP	Units	LOD	
1-Naphthol	N	2920	mg/kg	0.020	
Trimethylphenols	M	2920	mg/kg	0.020	
Total Phenols	M	2920	mg/kg	0.10	< 0.10

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274020					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP301							
Top Depth(m): 0.5							
Bottom Depth(m):							
Sampling Date: 11-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0078	0.078	0.5	2	25
Barium	1455	U	0.009	0.088	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0014	0.014	0.5	10	70
Copper	1455	U	0.0033	0.033	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.015	0.15	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0033	0.033	0.06	0.7	5
Selenium	1455	U	0.0008	0.0078	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.74	7.4	10	150	500
Sulphate	1220	U	7.9	79	1000	20000	50000
Total Dissolved Solids	1020	N	91	910	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	27	270	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274026					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: BH101							
Top Depth(m): 0.7							
Bottom Depth(m):							
Sampling Date: 11-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0028	0.028	0.5	2	25
Barium	1455	U	0.038	0.38	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0065	0.065	0.5	10	30
Nickel	1455	U	0.0010	0.0098	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0006	0.0055	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.32	3.2	10	150	500
Sulphate	1220	U	48	480	1000	20000	50000
Total Dissolved Solids	1020	N	140	1400	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	8.2	82	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274027					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS201							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0052	0.052	0.5	2	25
Barium	1455	U	0.021	0.21	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.024	0.24	0.5	10	70
Copper	1455	U	0.0062	0.062	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.011	0.11	0.5	10	30
Nickel	1455	U	0.0008	0.0082	0.4	10	40
Lead	1455	U	0.0034	0.034	0.5	10	50
Antimony	1455	U	0.0067	0.067	0.06	0.7	5
Selenium	1455	U	0.0014	0.014	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	5.5	55	800	15000	25000
Fluoride	1220	U	0.19	1.9	10	150	500
Sulphate	1220	U	330	3300	1000	20000	50000
Total Dissolved Solids	1020	N	550	5500	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	4.3	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274028					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS201							
Top Depth(m): 1.0							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	< 0.0002	< 0.0002	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0006	0.0058	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0004	0.0039	0.5	10	30
Nickel	1455	U	0.0030	0.030	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.3	13	800	15000	25000
Fluoride	1220	U	0.099	< 1.0	10	150	500
Sulphate	1220	U	20	200	1000	20000	50000
Total Dissolved Solids	1020	N	61	600	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	2.6	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922				Landfill Waste Acceptance Criteria			
Chemtest Sample ID: 1274030				Limits			
Sample Ref:				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Sample ID:							
Sample Location: WS209							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0052	0.052	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0016	0.016	0.5	10	70
Copper	1455	U	0.0013	0.013	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0098	0.098	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0009	0.0093	0.06	0.7	5
Selenium	1455	U	0.0010	0.010	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.28	2.8	10	150	500
Sulphate	1220	U	52	520	1000	20000	50000
Total Dissolved Solids	1020	N	150	1500	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	5.2	52	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274032					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS211							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0086	0.086	0.5	2	25
Barium	1455	U	0.018	0.18	20	100	300
Cadmium	1455	U	0.00043	0.0043	0.04	1	5
Chromium	1455	U	0.0035	0.035	0.5	10	70
Copper	1455	U	0.018	0.18	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.027	0.27	0.5	10	30
Nickel	1455	U	0.0044	0.044	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0033	0.033	0.06	0.7	5
Selenium	1455	U	0.0015	0.015	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	3.7	37	800	15000	25000
Fluoride	1220	U	0.39	3.9	10	150	500
Sulphate	1220	U	82	820	1000	20000	50000
Total Dissolved Solids	1020	N	200	2000	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	31	310	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274033					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS211							
Top Depth(m): 1.0							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	< 0.0002	< 0.0002	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0004	0.0040	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.6	16	800	15000	25000
Fluoride	1220	U	0.33	3.3	10	150	500
Sulphate	1220	U	27	270	1000	20000	50000
Total Dissolved Solids	1020	N	85	840	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	7.3	73	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1274020			TP301	11-Aug-2021	BC	Plastic Tub 500g
1274022			TP301	11-Aug-2021	BC	Plastic Tub 500g
1274025			BH101	11-Aug-2021	BC	Plastic Tub 500g
1274026			BH101	11-Aug-2021	BC	Plastic Tub 500g
1274027			WS201	10-Aug-2021	B	Amber Glass 250ml
1274027			WS201	10-Aug-2021	B	Amber Glass 60ml
1274027			WS201	10-Aug-2021	B	Plastic Tub 500g
1274028			WS201	10-Aug-2021	B	Amber Glass 250ml
1274028			WS201	10-Aug-2021	B	Plastic Tub 500g
1274029			WS201	12-Aug-2021	BC	Plastic Tub 500g
1274030			WS209	10-Aug-2021	BC	Plastic Tub 500g
1274031			WS209	10-Aug-2021	BC	Plastic Tub 500g
1274032			WS211	10-Aug-2021	BC	Plastic Tub 500g
1274033			WS211	10-Aug-2021	BC	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity 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.
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).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
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	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 <37°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
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
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.
2450	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.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane 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.
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*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS

Test Methods

SOP	Title	Parameters included	Method summary
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.
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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

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 TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°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

Sample Deviation Codes

- 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 - Insufficient Sample (Applies to LOI in Trommel Fines Only)

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

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com



Final Report

Report No.: 21-30922-1

Initial Date of Issue: 22-Sep-2021

Client Concept Consultants

Client Address: Unit 8
Warple Mews
Warple Way
London
W3 0RF

Contact(s): Ana Gonzalez
Kasia Mazerant

Project 21/3600 Colt DCS

Quotation No.: Q21-25109 **Date Received:** 16-Aug-2021

Order No.: CL3035 **Date Instructed:** 16-Sep-2021

No. of Samples: 11

Turnaround (Wkdays): 5 **Results Due:** 22-Sep-2021

Date Approved: 22-Sep-2021

Approved By:


Details: Glynn Harvey, Technical Manager

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-			-	-	-			-
Asbestos Identification	U	2192		N/A	No Asbestos Detected			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected			No Asbestos Detected
Moisture	N	2030	%	0.020	13	10	16	18	11	14	5.2	11	9.0
Soil Colour	N	2040		N/A				Brown					
Other Material	N	2040		N/A				Stones					
Soil Texture	N	2040		N/A				Clay					
pH	M	2010		4.0	[B] 8.6	[B] 9.5	[B] 9.6	[B] 7.9	[B] 10.3	[B] 8.2	[B] 8.3	[B] 8.0	[B] 8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	[B] 0.77	[B] 0.49	[B] 0.51	[B] 0.72	[B] 1.2	[B] 1.6	[B] 0.44	[B] 1.8	[B] 0.59
Cyanide (Total)	M	2300	mg/kg	0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50	[B] < 0.50
Arsenic	M	2450	mg/kg	1.0	33	21	18	11	31	18	11	17	11
Beryllium	U	2450	mg/kg	1.0	1.7	1.1	< 1.0	< 1.0	< 1.0	1.2	< 1.0	1.1	< 1.0
Cadmium	M	2450	mg/kg	0.10	0.45	0.16	< 0.10	0.17	0.38	< 0.10	< 0.10	0.33	< 0.10
Chromium	M	2450	mg/kg	1.0	53	40	23	25	31	40	18	37	26
Antimony	N	2450	mg/kg	2.0	3.3	< 2.0	2.8	< 2.0	8.1	< 2.0	< 2.0	< 2.0	< 2.0
Copper	M	2450	mg/kg	0.50	120	110	41	25	40	33	27	97	41
Mercury	M	2450	mg/kg	0.10	1.0	0.22	0.45	0.16	1.7	0.15	< 0.10	0.47	< 0.10
Nickel	M	2450	mg/kg	0.50	48	33	21	21	26	36	20	28	19
Lead	M	2450	mg/kg	0.50	190	45	210	39	870	46	6.9	81	17
Selenium	M	2450	mg/kg	0.20	0.23	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Vanadium	U	2450	mg/kg	5.0	78	53	38	43	45	59	26	56	36
Zinc	M	2450	mg/kg	0.50	170	79	110	74	320	80	26	110	42
Total Organic Carbon	M	2625	%	0.20	[B] 1.4	[B] 0.36	[B] 1.5	[B] 0.48	[B] 2.5	[B] 0.34	[B] < 0.20	[B] 0.68	[B] < 0.20
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 38	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 320	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 310	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	670	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] 28	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0	[B] < 1.0

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY
Determinand	Accred.	SOP	Units	LOD									
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0	28	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	< 10	< 10	< 10	690	< 10	< 10	< 10	< 10	< 10
Dichlorodifluoromethane	U	2760	mg/kg	0.0010				[B] < 0.0010					
Chloromethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
Vinyl Chloride	M	2760	mg/kg	0.0010				[B] < 0.0010					
Bromomethane	M	2760	mg/kg	0.020				[B] < 0.020					
Chloroethane	U	2760	mg/kg	0.0020				[B] < 0.0020					
Trichlorofluoromethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,1-Dichloroethene	M	2760	mg/kg	0.0010				[B] < 0.0010					
Trans 1,2-Dichloroethene	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,1-Dichloroethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
cis 1,2-Dichloroethene	M	2760	mg/kg	0.0010				[B] < 0.0010					
Bromochloromethane	U	2760	mg/kg	0.0050				[B] < 0.0050					
Trichloromethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,1,1-Trichloroethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
Tetrachloromethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,1-Dichloropropene	U	2760	mg/kg	0.0010				[B] < 0.0010					
Benzene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010
1,2-Dichloroethane	M	2760	mg/kg	0.0020				[B] < 0.0020					
Trichloroethene	N	2760	mg/kg	0.0010				< 0.0010					
1,2-Dichloropropane	M	2760	mg/kg	0.0010				[B] < 0.0010					
Dibromomethane	M	2760	mg/kg	0.0010				[B] < 0.0010					
Bromodichloromethane	M	2760	mg/kg	0.0050				[B] < 0.0050					
cis-1,3-Dichloropropene	N	2760	mg/kg	0.010				< 0.010					
Toluene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010
Trans-1,3-Dichloropropene	N	2760	mg/kg	0.010				< 0.010					
1,1,2-Trichloroethane	M	2760	mg/kg	0.010				[B] < 0.010					
Tetrachloroethene	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,3-Dichloropropane	U	2760	mg/kg	0.0020				[B] < 0.0020					
Dibromochloromethane	U	2760	mg/kg	0.010				[B] < 0.010					
1,2-Dibromoethane	M	2760	mg/kg	0.0050				[B] < 0.0050					
Chlorobenzene	M	2760	mg/kg	0.0010				[B] < 0.0010					
1,1,1,2-Tetrachloroethane	M	2760	mg/kg	0.0020				[B] < 0.0020					
Ethylbenzene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010
m & p-Xylene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] 0.0017	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010
o-Xylene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010	[B] < 0.0010
Styrene	M	2760	mg/kg	0.0010				[B] < 0.0010					
Tribromomethane	U	2760	mg/kg	0.0010				[B] < 0.0010					

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD										
Isopropylbenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
Bromobenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
1,2,3-Trichloropropane	N	2760	mg/kg	0.050					< 0.050					
N-Propylbenzene	U	2760	mg/kg	0.0010					[B] < 0.0010					
2-Chlorotoluene	M	2760	mg/kg	0.0010					[B] < 0.0010					
1,3,5-Trimethylbenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
4-Chlorotoluene	U	2760	mg/kg	0.0010					[B] < 0.0010					
Tert-Butylbenzene	U	2760	mg/kg	0.0010					[B] < 0.0010					
1,2,4-Trimethylbenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
Sec-Butylbenzene	U	2760	mg/kg	0.0010					[B] < 0.0010					
1,3-Dichlorobenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
4-Isopropyltoluene	N	2760	mg/kg	0.0010					< 0.0010					
1,4-Dichlorobenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
N-Butylbenzene	U	2760	mg/kg	0.0010					[B] < 0.0010					
1,2-Dichlorobenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
1,2-Dibromo-3-Chloropropane	U	2760	mg/kg	0.050					[B] < 0.050					
1,2,4-Trichlorobenzene	M	2760	mg/kg	0.0010					[B] < 0.0010					
Hexachlorobutadiene	U	2760	mg/kg	0.0010					[B] < 0.0010					
1,2,3-Trichlorobenzene	U	2760	mg/kg	0.0020					[B] < 0.0020					
Methyl Tert-Butyl Ether	M	2760	mg/kg	0.0010					[B] < 0.0010					
N-Nitrosodimethylamine	N	2790	mg/kg	0.050					< 0.050					
Phenol	N	2790	mg/kg	0.050					< 0.050					
2-Chlorophenol	N	2790	mg/kg	0.050					< 0.050					
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050					< 0.050					
1,3-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050					
1,4-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050					
1,2-Dichlorobenzene	N	2790	mg/kg	0.050					< 0.050					
2-Methylphenol	N	2790	mg/kg	0.050					< 0.050					
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050					< 0.050					
Hexachloroethane	N	2790	mg/kg	0.050					< 0.050					
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050					< 0.050					
4-Methylphenol	N	2790	mg/kg	0.050					< 0.050					
Nitrobenzene	N	2790	mg/kg	0.050					< 0.050					
Isophorone	N	2790	mg/kg	0.050					< 0.050					
2-Nitrophenol	N	2790	mg/kg	0.050					< 0.050					
2,4-Dimethylphenol	N	2790	mg/kg	0.050					< 0.050					
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050					< 0.050					
2,4-Dichlorophenol	N	2790	mg/kg	0.050					< 0.050					
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050					< 0.050					

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD										
Naphthalene	N	2790	mg/kg	0.050				< 0.050						
4-Chloroaniline	N	2790	mg/kg	0.050				< 0.050						
Hexachlorobutadiene	N	2790	mg/kg	0.050				< 0.050						
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050				< 0.050						
2-Methylnaphthalene	N	2790	mg/kg	0.050				< 0.050						
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050				< 0.050						
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050				< 0.050						
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050				< 0.050						
2-Chloronaphthalene	N	2790	mg/kg	0.050				< 0.050						
2-Nitroaniline	N	2790	mg/kg	0.050				< 0.050						
Acenaphthylene	N	2790	mg/kg	0.050				< 0.050						
Dimethylphthalate	N	2790	mg/kg	0.050				< 0.050						
2,6-Dinitrotoluene	N	2790	mg/kg	0.050				< 0.050						
Acenaphthene	N	2790	mg/kg	0.050				< 0.050						
3-Nitroaniline	N	2790	mg/kg	0.050				< 0.050						
Dibenzofuran	N	2790	mg/kg	0.050				< 0.050						
4-Chlorophenylphenylether	N	2790	mg/kg	0.050				< 0.050						
2,4-Dinitrotoluene	N	2790	mg/kg	0.050				< 0.050						
Fluorene	N	2790	mg/kg	0.050				< 0.050						
Diethyl Phthalate	N	2790	mg/kg	0.050				< 0.050						
4-Nitroaniline	N	2790	mg/kg	0.050				< 0.050						
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050				< 0.050						
Azobenzene	N	2790	mg/kg	0.050				< 0.050						
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050				< 0.050						
Hexachlorobenzene	N	2790	mg/kg	0.050				< 0.050						
Pentachlorophenol	N	2790	mg/kg	0.050				< 0.050						
Phenanthrene	N	2790	mg/kg	0.050				< 0.050						
Anthracene	N	2790	mg/kg	0.050				< 0.050						
Carbazole	N	2790	mg/kg	0.050				< 0.050						
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050				< 0.050						
Fluoranthene	N	2790	mg/kg	0.050				< 0.050						
Pyrene	N	2790	mg/kg	0.050				< 0.050						
Butylbenzyl Phthalate	N	2790	mg/kg	0.050				< 0.050						
Benzo[a]anthracene	N	2790	mg/kg	0.050				< 0.050						
Chrysene	N	2790	mg/kg	0.050				< 0.050						
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050				< 0.050						
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050				< 0.050						
Benzo[b]fluoranthene	N	2790	mg/kg	0.050				< 0.050						
Benzo[k]fluoranthene	N	2790	mg/kg	0.050				< 0.050						

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:				TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:				11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD									
Benzo[a]pyrene	N	2790	mg/kg	0.050				< 0.050					
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050				< 0.050					
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050				< 0.050					
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050				< 0.050					
4-Nitrophenol	N	2790	mg/kg	0.050				< 0.050					
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	< 0.10	1.1	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	0.15	< 0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	1.6	0.34	0.20	< 0.10	2.4	< 0.10	< 0.10	0.32	< 0.10
Pyrene	M	2800	mg/kg	0.10	1.5	0.33	0.19	< 0.10	3.4	< 0.10	< 0.10	0.26	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.85	0.12	0.15	< 0.10	1.6	< 0.10	< 0.10	0.12	< 0.10
Chrysene	M	2800	mg/kg	0.10	1.1	0.21	0.16	< 0.10	1.9	< 0.10	< 0.10	0.23	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	1.7	0.31	0.14	< 0.10	1.5	< 0.10	< 0.10	0.31	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.74	0.15	0.12	< 0.10	0.58	< 0.10	< 0.10	0.15	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	1.7	0.23	0.13	< 0.10	1.4	< 0.10	< 0.10	0.30	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	1.2	< 0.10	< 0.10	< 0.10	0.62	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.19	< 0.10	< 0.10	< 0.10	0.16	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	1.1	< 0.10	< 0.10	< 0.10	0.70	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	12	< 2.0	< 2.0	< 2.0	16	< 2.0	< 2.0	< 2.0	< 2.0
PCB 81	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 77	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 105	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 114	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 118	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 123	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 126	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 156	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 157	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 167	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 169	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
PCB 189	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
Total PCBs (12 Congeners)	N	2815	mg/kg	0.0010				< 0.0010	< 0.0010			< 0.0010	
Resorcinol	M	2920	mg/kg	0.020				< 0.020				< 0.020	
Phenol	M	2920	mg/kg	0.020				< 0.020				< 0.020	
Cresols	M	2920	mg/kg	0.020				< 0.020				< 0.020	
Xylenols	M	2920	mg/kg	0.020				< 0.020				< 0.020	

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:					21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:					1274020	1274022	1274025	1274026	1274027	1274028	1274029	1274030	1274031
	Sample Location:					TP301	TP301	BH101	BH101	WS201	WS201	WS201	WS209	WS209
	Sample Type:					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):					0.5	0.9	0.3	0.7	0.3	1.0	2.0	0.3	1.0
	Date Sampled:					11-Aug-2021	11-Aug-2021	11-Aug-2021	11-Aug-2021	10-Aug-2021	10-Aug-2021	12-Aug-2021	10-Aug-2021	10-Aug-2021
	Asbestos Lab:					COVENTRY		COVENTRY	COVENTRY	COVENTRY			COVENTRY	
Determinand	Accred.	SOP	Units	LOD										
1-Naphthol	N	2920	mg/kg	0.020				< 0.020					< 0.020	
Trimethylphenols	M	2920	mg/kg	0.020				< 0.020					< 0.020	
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
ACM Type	U	2192		N/A	-	
Asbestos Identification	U	2192		N/A	No Asbestos Detected	
Moisture	N	2030	%	0.020	9.2	11
Soil Colour	N	2040		N/A		
Other Material	N	2040		N/A		
Soil Texture	N	2040		N/A		
pH	M	2010		4.0	[B] 9.8	[B] 8.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	[B] 2.0	[B] 0.97
Cyanide (Total)	M	2300	mg/kg	0.50	[B] < 0.50	[B] < 0.50
Arsenic	M	2450	mg/kg	1.0	29	37
Beryllium	U	2450	mg/kg	1.0	1.2	1.9
Cadmium	M	2450	mg/kg	0.10	21	0.66
Chromium	M	2450	mg/kg	1.0	35	50
Antimony	N	2450	mg/kg	2.0	6.1	< 2.0
Copper	M	2450	mg/kg	0.50	210	48
Mercury	M	2450	mg/kg	0.10	0.83	< 0.10
Nickel	M	2450	mg/kg	0.50	59	59
Lead	M	2450	mg/kg	0.50	190	26
Selenium	M	2450	mg/kg	0.20	< 0.20	0.33
Vanadium	U	2450	mg/kg	5.0	43	78
Zinc	M	2450	mg/kg	0.50	360	74
Total Organic Carbon	M	2625	%	0.20	[B] 10	[B] 1.2
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[B] 6500	[B] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	6500	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[B] < 1.0	[B] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[B] 1200	[B] < 1.0

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	1200	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	7800	< 10
Dichlorodifluoromethane	U	2760	mg/kg	0.0010		
Chloromethane	M	2760	mg/kg	0.0010		
Vinyl Chloride	M	2760	mg/kg	0.0010		
Bromomethane	M	2760	mg/kg	0.020		
Chloroethane	U	2760	mg/kg	0.0020		
Trichlorofluoromethane	M	2760	mg/kg	0.0010		
1,1-Dichloroethene	M	2760	mg/kg	0.0010		
Trans 1,2-Dichloroethene	M	2760	mg/kg	0.0010		
1,1-Dichloroethane	M	2760	mg/kg	0.0010		
cis 1,2-Dichloroethene	M	2760	mg/kg	0.0010		
Bromochloromethane	U	2760	mg/kg	0.0050		
Trichloromethane	M	2760	mg/kg	0.0010		
1,1,1-Trichloroethane	M	2760	mg/kg	0.0010		
Tetrachloromethane	M	2760	mg/kg	0.0010		
1,1-Dichloropropene	U	2760	mg/kg	0.0010		
Benzene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010
1,2-Dichloroethane	M	2760	mg/kg	0.0020		
Trichloroethene	N	2760	mg/kg	0.0010		
1,2-Dichloropropane	M	2760	mg/kg	0.0010		
Dibromomethane	M	2760	mg/kg	0.0010		
Bromodichloromethane	M	2760	mg/kg	0.0050		
cis-1,3-Dichloropropene	N	2760	mg/kg	0.010		
Toluene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010
Trans-1,3-Dichloropropene	N	2760	mg/kg	0.010		
1,1,2-Trichloroethane	M	2760	mg/kg	0.010		
Tetrachloroethene	M	2760	mg/kg	0.0010		
1,3-Dichloropropane	U	2760	mg/kg	0.0020		
Dibromochloromethane	U	2760	mg/kg	0.010		
1,2-Dibromoethane	M	2760	mg/kg	0.0050		
Chlorobenzene	M	2760	mg/kg	0.0010		
1,1,1,2-Tetrachloroethane	M	2760	mg/kg	0.0020		
Ethylbenzene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010
m & p-Xylene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010
o-Xylene	M	2760	mg/kg	0.0010	[B] < 0.0010	[B] < 0.0010
Styrene	M	2760	mg/kg	0.0010		
Tribromomethane	U	2760	mg/kg	0.0010		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Isopropylbenzene	M	2760	mg/kg	0.0010		
Bromobenzene	M	2760	mg/kg	0.0010		
1,2,3-Trichloropropane	N	2760	mg/kg	0.050		
N-Propylbenzene	U	2760	mg/kg	0.0010		
2-Chlorotoluene	M	2760	mg/kg	0.0010		
1,3,5-Trimethylbenzene	M	2760	mg/kg	0.0010		
4-Chlorotoluene	U	2760	mg/kg	0.0010		
Tert-Butylbenzene	U	2760	mg/kg	0.0010		
1,2,4-Trimethylbenzene	M	2760	mg/kg	0.0010		
Sec-Butylbenzene	U	2760	mg/kg	0.0010		
1,3-Dichlorobenzene	M	2760	mg/kg	0.0010		
4-Isopropyltoluene	N	2760	mg/kg	0.0010		
1,4-Dichlorobenzene	M	2760	mg/kg	0.0010		
N-Butylbenzene	U	2760	mg/kg	0.0010		
1,2-Dichlorobenzene	M	2760	mg/kg	0.0010		
1,2-Dibromo-3-Chloropropane	U	2760	mg/kg	0.050		
1,2,4-Trichlorobenzene	M	2760	mg/kg	0.0010		
Hexachlorobutadiene	U	2760	mg/kg	0.0010		
1,2,3-Trichlorobenzene	U	2760	mg/kg	0.0020		
Methyl Tert-Butyl Ether	M	2760	mg/kg	0.0010		
N-Nitrosodimethylamine	N	2790	mg/kg	0.050		
Phenol	N	2790	mg/kg	0.050		
2-Chlorophenol	N	2790	mg/kg	0.050		
Bis-(2-Chloroethyl)Ether	N	2790	mg/kg	0.050		
1,3-Dichlorobenzene	N	2790	mg/kg	0.050		
1,4-Dichlorobenzene	N	2790	mg/kg	0.050		
1,2-Dichlorobenzene	N	2790	mg/kg	0.050		
2-Methylphenol	N	2790	mg/kg	0.050		
Bis(2-Chloroisopropyl)Ether	N	2790	mg/kg	0.050		
Hexachloroethane	N	2790	mg/kg	0.050		
N-Nitrosodi-n-propylamine	N	2790	mg/kg	0.050		
4-Methylphenol	N	2790	mg/kg	0.050		
Nitrobenzene	N	2790	mg/kg	0.050		
Isophorone	N	2790	mg/kg	0.050		
2-Nitrophenol	N	2790	mg/kg	0.050		
2,4-Dimethylphenol	N	2790	mg/kg	0.050		
Bis(2-Chloroethoxy)Methane	N	2790	mg/kg	0.050		
2,4-Dichlorophenol	N	2790	mg/kg	0.050		
1,2,4-Trichlorobenzene	N	2790	mg/kg	0.050		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Naphthalene	N	2790	mg/kg	0.050		
4-Chloroaniline	N	2790	mg/kg	0.050		
Hexachlorobutadiene	N	2790	mg/kg	0.050		
4-Chloro-3-Methylphenol	N	2790	mg/kg	0.050		
2-Methylnaphthalene	N	2790	mg/kg	0.050		
Hexachlorocyclopentadiene	N	2790	mg/kg	0.050		
2,4,6-Trichlorophenol	N	2790	mg/kg	0.050		
2,4,5-Trichlorophenol	N	2790	mg/kg	0.050		
2-Chloronaphthalene	N	2790	mg/kg	0.050		
2-Nitroaniline	N	2790	mg/kg	0.050		
Acenaphthylene	N	2790	mg/kg	0.050		
Dimethylphthalate	N	2790	mg/kg	0.050		
2,6-Dinitrotoluene	N	2790	mg/kg	0.050		
Acenaphthene	N	2790	mg/kg	0.050		
3-Nitroaniline	N	2790	mg/kg	0.050		
Dibenzofuran	N	2790	mg/kg	0.050		
4-Chlorophenylphenylether	N	2790	mg/kg	0.050		
2,4-Dinitrotoluene	N	2790	mg/kg	0.050		
Fluorene	N	2790	mg/kg	0.050		
Diethyl Phthalate	N	2790	mg/kg	0.050		
4-Nitroaniline	N	2790	mg/kg	0.050		
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.050		
Azobenzene	N	2790	mg/kg	0.050		
4-Bromophenylphenyl Ether	N	2790	mg/kg	0.050		
Hexachlorobenzene	N	2790	mg/kg	0.050		
Pentachlorophenol	N	2790	mg/kg	0.050		
Phenanthrene	N	2790	mg/kg	0.050		
Anthracene	N	2790	mg/kg	0.050		
Carbazole	N	2790	mg/kg	0.050		
Di-N-Butyl Phthalate	N	2790	mg/kg	0.050		
Fluoranthene	N	2790	mg/kg	0.050		
Pyrene	N	2790	mg/kg	0.050		
Butylbenzyl Phthalate	N	2790	mg/kg	0.050		
Benzo[a]anthracene	N	2790	mg/kg	0.050		
Chrysene	N	2790	mg/kg	0.050		
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.050		
Di-N-Octyl Phthalate	N	2790	mg/kg	0.050		
Benzo[b]fluoranthene	N	2790	mg/kg	0.050		
Benzo[k]fluoranthene	N	2790	mg/kg	0.050		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:				21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:				1274032	1274033
	Sample Location:				WS211	WS211
	Sample Type:				SOIL	SOIL
	Top Depth (m):				0.3	1.0
	Date Sampled:				10-Aug-2021	10-Aug-2021
	Asbestos Lab:				COVENTRY	
Determinand	Accred.	SOP	Units	LOD		
Benzo[a]pyrene	N	2790	mg/kg	0.050		
Indeno(1,2,3-c,d)Pyrene	N	2790	mg/kg	0.050		
Dibenz(a,h)Anthracene	N	2790	mg/kg	0.050		
Benzo[g,h,i]perylene	N	2790	mg/kg	0.050		
4-Nitrophenol	N	2790	mg/kg	0.050		
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	0.52	< 0.10
Pyrene	M	2800	mg/kg	0.10	0.53	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.33	< 0.10
Chrysene	M	2800	mg/kg	0.10	0.32	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	0.44	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.18	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	0.44	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	2.8	< 2.0
PCB 81	N	2815	mg/kg	0.0010		
PCB 77	N	2815	mg/kg	0.0010		
PCB 105	N	2815	mg/kg	0.0010		
PCB 114	N	2815	mg/kg	0.0010		
PCB 118	N	2815	mg/kg	0.0010		
PCB 123	N	2815	mg/kg	0.0010		
PCB 126	N	2815	mg/kg	0.0010		
PCB 156	N	2815	mg/kg	0.0010		
PCB 157	N	2815	mg/kg	0.0010		
PCB 167	N	2815	mg/kg	0.0010		
PCB 169	N	2815	mg/kg	0.0010		
PCB 189	N	2815	mg/kg	0.0010		
Total PCBs (12 Congeners)	N	2815	mg/kg	0.0010		
Resorcinol	M	2920	mg/kg	0.020		
Phenol	M	2920	mg/kg	0.020		
Cresols	M	2920	mg/kg	0.020		
Xylenols	M	2920	mg/kg	0.020		

Results - Soil

Project: 21/3600 Colt DCS

Client: Concept Consultants	Chemtest Job No.:			21-30922	21-30922
Quotation No.: Q21-25109	Chemtest Sample ID.:			1274032	1274033
	Sample Location:			WS211	WS211
	Sample Type:			SOIL	SOIL
	Top Depth (m):			0.3	1.0
	Date Sampled:			10-Aug-2021	10-Aug-2021
	Asbestos Lab:			COVENTRY	
Determinand	Accred.	SOP	Units	LOD	
1-Naphthol	N	2920	mg/kg	0.020	
Trimethylphenols	M	2920	mg/kg	0.020	
Total Phenols	M	2920	mg/kg	0.10	< 0.10

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274020					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: TP301							
Top Depth(m): 0.5							
Bottom Depth(m):							
Sampling Date: 11-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0078	0.078	0.5	2	25
Barium	1455	U	0.009	0.088	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0014	0.014	0.5	10	70
Copper	1455	U	0.0033	0.033	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.015	0.15	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0033	0.033	0.06	0.7	5
Selenium	1455	U	0.0008	0.0078	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.74	7.4	10	150	500
Sulphate	1220	U	7.9	79	1000	20000	50000
Total Dissolved Solids	1020	N	91	910	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	27	270	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274026					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: BH101							
Top Depth(m): 0.7							
Bottom Depth(m):							
Sampling Date: 11-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0028	0.028	0.5	2	25
Barium	1455	U	0.038	0.38	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0065	0.065	0.5	10	30
Nickel	1455	U	0.0010	0.0098	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0006	0.0055	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.32	3.2	10	150	500
Sulphate	1220	U	48	480	1000	20000	50000
Total Dissolved Solids	1020	N	140	1400	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	8.2	82	500	800	1000

Solid Information

Dry mass of test portion/kg	
Moisture (%)	

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274027					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS201							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0052	0.052	0.5	2	25
Barium	1455	U	0.021	0.21	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.024	0.24	0.5	10	70
Copper	1455	U	0.0062	0.062	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.011	0.11	0.5	10	30
Nickel	1455	U	0.0008	0.0082	0.4	10	40
Lead	1455	U	0.0034	0.034	0.5	10	50
Antimony	1455	U	0.0067	0.067	0.06	0.7	5
Selenium	1455	U	0.0014	0.014	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	5.5	55	800	15000	25000
Fluoride	1220	U	0.19	1.9	10	150	500
Sulphate	1220	U	330	3300	1000	20000	50000
Total Dissolved Solids	1020	N	550	5500	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	4.3	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg	
Moisture (%)	

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274028					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS201							
Top Depth(m): 1.0							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	< 0.0002	< 0.0002	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0006	0.0058	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0004	0.0039	0.5	10	30
Nickel	1455	U	0.0030	0.030	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.3	13	800	15000	25000
Fluoride	1220	U	0.099	< 1.0	10	150	500
Sulphate	1220	U	20	200	1000	20000	50000
Total Dissolved Solids	1020	N	61	600	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	2.6	< 50	500	800	1000

Solid Information

Dry mass of test portion/kg

Moisture (%)

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274030					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS209							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0052	0.052	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0016	0.016	0.5	10	70
Copper	1455	U	0.0013	0.013	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0098	0.098	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0009	0.0093	0.06	0.7	5
Selenium	1455	U	0.0010	0.010	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.28	2.8	10	150	500
Sulphate	1220	U	52	520	1000	20000	50000
Total Dissolved Solids	1020	N	150	1500	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	5.2	52	500	800	1000

Solid Information

Dry mass of test portion/kg	
Moisture (%)	

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274032					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS211							
Top Depth(m): 0.3							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0086	0.086	0.5	2	25
Barium	1455	U	0.018	0.18	20	100	300
Cadmium	1455	U	0.00043	0.0043	0.04	1	5
Chromium	1455	U	0.0035	0.035	0.5	10	70
Copper	1455	U	0.018	0.18	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.027	0.27	0.5	10	30
Nickel	1455	U	0.0044	0.044	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0033	0.033	0.06	0.7	5
Selenium	1455	U	0.0015	0.015	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	3.7	37	800	15000	25000
Fluoride	1220	U	0.39	3.9	10	150	500
Sulphate	1220	U	82	820	1000	20000	50000
Total Dissolved Solids	1020	N	200	2000	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	31	310	500	800	1000

Solid Information

Dry mass of test portion/kg	
Moisture (%)	

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - Single Stage WAC

Project: 21/3600 Colt DCS

Chemtest Job No: 21-30922					Landfill Waste Acceptance Criteria		
Chemtest Sample ID: 1274033					Limits		
Sample Ref:					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:							
Sample Location: WS211							
Top Depth(m): 1.0							
Bottom Depth(m):							
Sampling Date: 10-Aug-2021							
Determinand	SOP	Accred.	Units				
Total Organic Carbon					3	5	6
Loss on Ignition					--	--	10
Total BTEX					6	--	--
Total PCBs (7 congeners)					1	--	--
TPH Total WAC (Mineral Oil)					500	--	--
Total (of 17) PAHs					100	--	--
pH					--	>6	--
Acid Neutralisation Capacity					--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	< 0.0002	< 0.0002	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	< 0.0005	< 0.0005	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0004	0.0040	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.6	16	800	15000	25000
Fluoride	1220	U	0.33	3.3	10	150	500
Sulphate	1220	U	27	270	1000	20000	50000
Total Dissolved Solids	1020	N	85	840	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	7.3	73	500	800	1000

Solid Information

Dry mass of test portion/kg	
Moisture (%)	

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

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.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1274020			TP301	11-Aug-2021	B	Amber Glass 250ml
1274020			TP301	11-Aug-2021	B	Amber Glass 60ml
1274020			TP301	11-Aug-2021	B	Plastic Tub 500g
1274022			TP301	11-Aug-2021	B	Amber Glass 250ml
1274022			TP301	11-Aug-2021	B	Amber Glass 60ml
1274022			TP301	11-Aug-2021	B	Plastic Tub 500g
1274025			BH101	11-Aug-2021	B	Amber Glass 250ml
1274025			BH101	11-Aug-2021	B	Amber Glass 60ml
1274025			BH101	11-Aug-2021	B	Plastic Tub 500g
1274026			BH101	11-Aug-2021	B	Amber Glass 250ml
1274026			BH101	11-Aug-2021	B	Amber Glass 60ml
1274026			BH101	11-Aug-2021	B	Plastic Tub 500g
1274027			WS201	10-Aug-2021	B	Amber Glass 250ml
1274027			WS201	10-Aug-2021	B	Amber Glass 60ml
1274027			WS201	10-Aug-2021	B	Plastic Tub 500g
1274028			WS201	10-Aug-2021	B	Amber Glass 250ml
1274028			WS201	10-Aug-2021	B	Amber Glass 60ml
1274028			WS201	10-Aug-2021	B	Plastic Tub 500g
1274029			WS201	12-Aug-2021	B	Amber Glass 250ml
1274029			WS201	12-Aug-2021	B	Amber Glass 60ml
1274029			WS201	12-Aug-2021	B	Plastic Tub 500g
1274030			WS209	10-Aug-2021	B	Amber Glass 250ml
1274030			WS209	10-Aug-2021	B	Amber Glass 60ml
1274030			WS209	10-Aug-2021	B	Plastic Tub 500g

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.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1274031			WS209	10-Aug-2021	B	Amber Glass 250ml
1274031			WS209	10-Aug-2021	B	Amber Glass 60ml
1274031			WS209	10-Aug-2021	B	Plastic Tub 500g
1274032			WS211	10-Aug-2021	B	Amber Glass 250ml
1274032			WS211	10-Aug-2021	B	Amber Glass 60ml
1274032			WS211	10-Aug-2021	B	Plastic Tub 500g
1274033			WS211	10-Aug-2021	B	Amber Glass 250ml
1274033			WS211	10-Aug-2021	B	Amber Glass 60ml
1274033			WS211	10-Aug-2021	B	Plastic Tub 500g

Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity 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.
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).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
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	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 <37°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
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
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.
2450	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.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane 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.
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*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS

Test Methods

SOP	Title	Parameters included	Method summary
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.
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

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

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 TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°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

Sample Deviation Codes

- 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 - Insufficient Sample (Applies to LOI in Trommel Fines Only)

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

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

Ana Gonzalez

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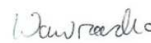
e: reception@i2analytical.com

Analytical Report Number : 21-93390

Replaces Analytical Report Number: 21-93390, issue no. 1
Client references/information amended.

Project / Site name:	Colt DCS Data Centre, Hayes	Samples received on:	16/08/2021
Your job number:	21-3600	Samples instructed on/ Analysis started on:	17/08/2021
Your order number:	CL3036	Analysis completed by:	25/08/2021
Report Issue Number:	2	Report issued on:	25/08/2021
Samples Analysed:	7 soil samples		

Signed:



Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975538	1975539	1975540	1975541	1975542
Sample Reference				WS210	WS210	WS210	WS212	WS212
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	2.00	0.30	1.00
Date Sampled				13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.5	4.3	4.8	8.1	15
Total mass of sample received	kg	0.001	NONE	1.3	1.0	1.4	1.0	1.1

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	-
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.2	9.2	8.0	9.7	7.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.6	0.1	0.1	0.6	0.4

Phenols by HPLC

Catechol	mg/kg	0.1	ISO 17025	-	< 0.10	-	-	-
Resorcinol	mg/kg	0.1	ISO 17025	-	< 0.10	-	-	-
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-	< 0.30	-	-	-
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-	< 0.20	-	-	-
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-	< 0.10	-	-	-
Phenol	mg/kg	0.1	ISO 17025	-	< 0.10	-	-	-
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-	< 0.10	-	-	-
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-	< 0.30	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-	< 1.3	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.47	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.56	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.51	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.56	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.41	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.51	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.23	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.36	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	3.61	< 0.80
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Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975538	1975539	1975540	1975541	1975542
Sample Reference				WS210	WS210	WS210	WS212	WS212
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	2.00	0.30	1.00
Date Sampled				13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	8.4	11	14	21
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.63	0.46	0.65	0.98	1.6
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	1.1	0.6	2.3	1.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	14	20	27	50
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	9.8	8.1	28	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	24	8.5	13	550	22
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	11	17	23	39
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	1.8	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	35	23	29	45	86
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	28	32	160	72

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	6.4	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	11	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	34	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	51	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10	< 10	51	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number	1975538	1975539	1975540	1975541	1975542
Sample Reference	WS210	WS210	WS210	WS212	WS212
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.30	1.00	2.00	0.30	1.00
Date Sampled	13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

VOCs

Chloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Chloroethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Vinyl Chloride	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Tetrachloroethene	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Styrene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Tribromomethane	µg/kg	1	NONE	< 1.0	< 1.0	< 1.0	-	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Butylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-

Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975538	1975539	1975540	1975541	1975542
Sample Reference				WS210	WS210	WS210	WS212	WS212
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	2.00	0.30	1.00
Date Sampled				13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	< 1.0	< 1.0	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-

Analytical Report Number: 21-93390
 Project / Site name: Colt DCS Data Centre, Hayes
 Your Order No: CL3036

Lab Sample Number				1975538	1975539	1975540	1975541	1975542
Sample Reference				WS210	WS210	WS210	WS212	WS212
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	1.00	2.00	0.30	1.00
Date Sampled				13/08/2021	13/08/2021	13/08/2021	13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	-	-

PCBs

PCB Congener 077	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 081	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 105	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 114	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 118	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 123	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 126	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 156	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 157	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 167	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 169	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PCB Congener 189	mg/kg	0.001	NONE	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

Total PCBs – WHO12

Total PCBs	mg/kg	0.012	NONE	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-93390
 Project / Site name: Colt DCS Data Centre, Hayes
 Your Order No: CL3036

Lab Sample Number				1975543	1975544
Sample Reference				TP309A	TP309A
Sample Number				None Supplied	None Supplied
Depth (m)				0.30	0.80
Date Sampled				13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	15
Total mass of sample received	kg	0.001	NONE	1.0	1.0

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-
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General Inorganics

pH - Automated	pH Units	N/A	MCERTS	10.2	8.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0
Total Organic Carbon (TOC)	%	0.1	MCERTS	3.6	0.4

Phenols by HPLC

Catechol	mg/kg	0.1	ISO 17025	-	-
Resorcinol	mg/kg	0.1	ISO 17025	-	-
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-	-
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-	-
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-	-
Phenol	mg/kg	0.1	ISO 17025	-	-
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-	-
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.49
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.59
Phenanthrene	mg/kg	0.05	MCERTS	2.4	3.6
Anthracene	mg/kg	0.05	MCERTS	0.27	0.71
Fluoranthene	mg/kg	0.05	MCERTS	3.1	3.0
Pyrene	mg/kg	0.05	MCERTS	2.6	2.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.0	1.4
Chrysene	mg/kg	0.05	MCERTS	1.8	1.1
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.6	0.92
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1.0	0.51
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.8	0.87
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.0	0.32
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.34	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.1	0.39

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	20.0	16.3
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Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975543	1975544
Sample Reference				TP309A	TP309A
Sample Number				None Supplied	None Supplied
Depth (m)				0.30	0.80
Date Sampled				13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Heavy Metals / Metalloids					
Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	9.1	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22	18
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.5	1.4
Boron (water soluble)	mg/kg	0.2	MCERTS	1.7	0.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	26	48
Copper (aqua regia extractable)	mg/kg	1	MCERTS	100	23
Lead (aqua regia extractable)	mg/kg	1	MCERTS	530	32
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	31
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	40	76
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	150	72

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	5.4
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	11
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	20
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	21	24
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	31	60
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	31	60

Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975543	1975544
Sample Reference				TP309A	TP309A
Sample Number				None Supplied	None Supplied
Depth (m)				0.30	0.80
Date Sampled				13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
VOCs					
Chloromethane	µg/kg	1	ISO 17025	-	-
Chloroethane	µg/kg	1	NONE	-	-
Bromomethane	µg/kg	1	ISO 17025	-	-
Vinyl Chloride	µg/kg	1	NONE	-	-
Trichlorofluoromethane	µg/kg	1	NONE	-	-
1,1-Dichloroethene	µg/kg	1	NONE	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	-
Trichloromethane	µg/kg	1	MCERTS	-	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	-
Benzene	µg/kg	1	MCERTS	-	-
Tetrachloromethane	µg/kg	1	MCERTS	-	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	-
Trichloroethene	µg/kg	1	MCERTS	-	-
Dibromomethane	µg/kg	1	MCERTS	-	-
Bromodichloromethane	µg/kg	1	MCERTS	-	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	-
Toluene	µg/kg	1	MCERTS	-	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	-
Tetrachloroethene	µg/kg	1	NONE	-	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	-
Chlorobenzene	µg/kg	1	MCERTS	-	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-
Ethylbenzene	µg/kg	1	MCERTS	-	-
p & m-Xylene	µg/kg	1	MCERTS	-	-
Styrene	µg/kg	1	MCERTS	-	-
Tribromomethane	µg/kg	1	NONE	-	-
o-Xylene	µg/kg	1	MCERTS	-	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	-
Isopropylbenzene	µg/kg	1	MCERTS	-	-
Bromobenzene	µg/kg	1	MCERTS	-	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	-
Butylbenzene	µg/kg	1	MCERTS	-	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	-

Analytical Report Number: 21-93390
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3036

Lab Sample Number				1975543	1975544
Sample Reference				TP309A	TP309A
Sample Number				None Supplied	None Supplied
Depth (m)				0.30	0.80
Date Sampled				13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-

Analytical Report Number: 21-93390

Project / Site name: Colt DCS Data Centre, Hayes

Your Order No: CL3036

Lab Sample Number				1975543	1975544
Sample Reference				TP309A	TP309A
Sample Number				None Supplied	None Supplied
Depth (m)				0.30	0.80
Date Sampled				13/08/2021	13/08/2021
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-

PCBs

PCB Congener 077	mg/kg	0.001	NONE	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-

Total PCBs – WHO12

Total PCBs	mg/kg	0.012	NONE	-	-
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U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-93390

Project / Site name: Colt DCS Data Centre, Hayes

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1975538	WS210	None Supplied	0.3	Brown loam and sand with gravel.
1975539	WS210	None Supplied	1	Brown loam and sand with gravel.
1975540	WS210	None Supplied	2	Brown sand with gravel.
1975541	WS212	None Supplied	0.3	Brown loam and sand with gravel.
1975542	WS212	None Supplied	1	Brown clay and sand with gravel.
1975543	TP309A	None Supplied	0.3	Brown sand with gravel.
1975544	TP309A	None Supplied	0.8	Brown clay and loam with gravel.

Analytical Report Number : 21-93390
Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Phenols, speciated, in soil, by HPLC	Determination of speciated phenols by HPLC.	In house method based on Blue Book Method.	L030-PL	W	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
PCBs WHO 12 in soil	Determination of PCBs (WHO-12 Congeners) by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE

Analytical Report Number : 21-93390
Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

**Ana Gonzalez**

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Analytical Report Number : 21-93391

Project / Site name:	Colt DSC Data Centre, Hayes	Samples received on:	16/08/2021
Your job number:	21-3600	Samples instructed on/ Analysis started on:	17/08/2021
Your order number:	CL3036	Analysis completed by:	23/08/2021
Report Issue Number:	1	Report issued on:	23/08/2021
Samples Analysed:	5 10:1 WAC samples		

Signed:

Joanna Wawrzeczek
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93391						
					Client: CONCEPT		
Location	Colt DSC Data Centre, Hayes						
Lab Reference (Sample Number)	1975545				Landfill Waste Acceptance Criteria		
Sampling Date	13/08/2021				Limits		
Sample ID	WS210				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.30						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0108			0.102	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0009			0.0083	0.5	10	70
Copper *	0.0063			0.059	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0008			0.0074	0.5	10	30
Nickel *	0.0024			0.023	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0098			0.093	4	50	200
Chloride *	1.6			15	800	15000	25000
Fluoride	0.24			2.3	10	150	500
Sulphate *	13			120	1000	20000	50000
TDS*	70			660	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	8.56			80.5	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93391						
					Client: CONCEPT		
Location	Colt DSC Data Centre, Hayes						
Lab Reference (Sample Number)	1975546				Landfill Waste Acceptance Criteria		
Sampling Date	13/08/2021				Limits		
Sample ID	WS210				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	1.00						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0084			0.0812	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0045			0.044	0.5	10	70
Copper *	0.0053			0.051	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0009			0.0088	0.5	10	30
Nickel *	0.0023			0.023	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0023			0.022	4	50	200
Chloride *	1.6			16	800	15000	25000
Fluoride	0.29			2.8	10	150	500
Sulphate *	9.3			90	1000	20000	50000
TDS*	64			620	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	9.19			89.0	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93391						
					Client: CONCEPT		
Location	Colt DSC Data Centre, Hayes						
Lab Reference (Sample Number)	1975547				Landfill Waste Acceptance Criteria		
Sampling Date	13/08/2021				Limits		
Sample ID	WS210				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	2.00						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0092			0.0856	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	< 0.0004			< 0.0040	0.5	10	70
Copper *	0.0019			0.018	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	< 0.0004			< 0.0040	0.5	10	30
Nickel *	0.0023			0.022	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0030			0.028	4	50	200
Chloride *	1.7			16	800	15000	25000
Fluoride	0.075			0.70	10	150	500
Sulphate *	2.5			23	1000	20000	50000
TDS*	17			160	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	7.36			68.8	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)							
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation ** = MCERTS accredited							
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.							
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Waste Acceptance Criteria Analytical Results							
Report No:	21-93391						
					Client: CONCEPT		
Location	Colt DSC Data Centre, Hayes						
Lab Reference (Sample Number)	1975548				Landfill Waste Acceptance Criteria		
Sampling Date	13/08/2021				Limits		
Sample ID	WS212				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.30						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	0.0040			0.0368	0.5	2	25
Barium *	0.0214			0.197	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0019			0.018	0.5	10	70
Copper *	0.011			0.10	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0006			0.0052	0.5	10	30
Nickel *	0.0020			0.019	0.4	10	40
Lead *	0.0011			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0026			0.024	4	50	200
Chloride *	6.2			57	800	15000	25000
Fluoride	0.41			3.8	10	150	500
Sulphate *	670			6200	1000	20000	50000
TDS*	620			5700	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	4.62			42.4	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable. * = UKAS accredited (liquid eluate analysis only)							
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation ** = MCERTS accredited							
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Waste Acceptance Criteria Analytical Results							
Report No:	21-93391						
					Client: CONCEPT		
Location	Colt DSC Data Centre, Hayes						
Lab Reference (Sample Number)	1975549				Landfill Waste Acceptance Criteria		
Sampling Date	13/08/2021				Limits		
Sample ID	TP309A				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.30						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	0.0113			0.0987	0.5	2	25
Barium *	0.0141			0.123	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.093			0.81	0.5	10	70
Copper *	0.011			0.093	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0196			0.170	0.5	10	30
Nickel *	0.0026			0.023	0.4	10	40
Lead *	0.0071			0.061	0.5	10	50
Antimony *	0.013			0.11	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0030			0.026	4	50	200
Chloride *	1.5			13	800	15000	25000
Fluoride	0.17			1.5	10	150	500
Sulphate *	11			97	1000	20000	50000
TDS*	96			840	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	5.67			49.3	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



Analytical Report Number : 21-93391
Project / Site name: Colt DSC Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004-PL	W	ISO 17025
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Ana Gonzalez

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Analytical Report Number : 21-93974

Project / Site name:	Colt DCS Data Centre, Hayes	Samples received on:	18/08/2021
Your job number:	21 3600	Samples instructed on/ Analysis started on:	19/08/2021
Your order number:	CL3041	Analysis completed by:	26/08/2021
Report Issue Number:	1	Report issued on:	26/08/2021
Samples Analysed:	5 soil samples		

Signed:

Izabela Wójcik

Izabela Wójcik
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-93974
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3041

Lab Sample Number				1979014	1979015	1979016	1979017	1979018
Sample Reference				BH101	BH101	BH101	BH101	BH101
Sample Number				ES	ES	ES	ES	ES
Depth (m)				1.30	2.50	6.60	9.80	18.00
Date Sampled				16/08/2021	16/08/2021	16/08/2021	16/08/2021	16/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	0.99	22	4.3	13
Total mass of sample received	kg	0.001	NONE	1.0	1.0	1.0	1.0	1.0

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	8.0	7.8	8.4	8.0
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.2	0.1	0.1	< 0.1	< 0.1

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
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Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	4.7	1.8	< 1.0	2.4	< 1.0
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	22	6.4	69	8.5	16
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.7	0.15	0.96	0.24	1.3
Boron (water soluble)	mg/kg	0.2	MCERTS	1.4	0.2	0.3	< 0.2	1.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	46	9.9	29	12	44
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	11	28	14	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	19	2.9	13	4.9	17
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	40	9.4	41	13	38
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	80	7.8	54	14	88
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	58	13	68	15	74

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Analytical Report Number: 21-93974
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3041

Lab Sample Number				1979014	1979015	1979016	1979017	1979018
Sample Reference				BH101	BH101	BH101	BH101	BH101
Sample Number				ES	ES	ES	ES	ES
Depth (m)				1.30	2.50	6.60	9.80	18.00
Date Sampled				16/08/2021	16/08/2021	16/08/2021	16/08/2021	16/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10

VOCs

Chloromethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Chloroethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Vinyl Chloride	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
Trichlorofluoromethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
1,1-Dichloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
2,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1-Dichloropropene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
Benzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Bromodichloromethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Toluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
Tetrachloroethene	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-

Analytical Report Number: 21-93974
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3041

Lab Sample Number				1979014	1979015	1979016	1979017	1979018
Sample Reference				BH101	BH101	BH101	BH101	BH101
Sample Number				ES	ES	ES	ES	ES
Depth (m)				1.30	2.50	6.60	9.80	18.00
Date Sampled				16/08/2021	16/08/2021	16/08/2021	16/08/2021	16/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Chlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Styrene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Tribromomethane	µg/kg	1	NONE	-	< 1.0	< 1.0	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Isopropylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
2-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
4-Chlorotoluene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
tert-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
sec-Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Butylbenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
Hexachlorobutadiene	µg/kg	1	MCERTS	-	< 1.0	< 1.0	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	-	< 1.0	< 1.0	< 1.0	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-

Analytical Report Number: 21-93974

Project / Site name: Colt DCS Data Centre, Hayes

Your Order No: CL3041

Lab Sample Number				1979014	1979015	1979016	1979017	1979018
Sample Reference				BH101	BH101	BH101	BH101	BH101
Sample Number				ES	ES	ES	ES	ES
Depth (m)				1.30	2.50	6.60	9.80	18.00
Date Sampled				16/08/2021	16/08/2021	16/08/2021	16/08/2021	16/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 21-93974

Project / Site name: Colt DCS Data Centre, Hayes

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1979014	BH101	ES	1.3	Brown clay.
1979015	BH101	ES	2.5	Non Soil**
1979016	BH101	ES	6.6	Brown clay and sand.
1979017	BH101	ES	9.8	Brown sand with gravel.
1979018	BH101	ES	18	Brown clay with gravel.

**Non MCERTS Matrix.

Analytical Report Number : 21-93974

Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

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Analytical Report Number : 21-93975

Project / Site name:	Colt DCS Data Centre, Hayes	Samples received on:	18/08/2021
Your job number:	21 3600	Samples instructed on/ Analysis started on:	19/08/2021
Your order number:	CL3041	Analysis completed by:	26/08/2021
Report Issue Number:	1	Report issued on:	26/08/2021
Samples Analysed:	3 10:1 WAC samples		

Signed: *A. Czerwińska*

Agnieszka Czerwińska
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93975						
					Client: CONCEPT		
Location	Colt DCS Data Centre, Hayes						
Lab Reference (Sample Number)	1979019				Landfill Waste Acceptance Criteria		
Sampling Date	16/08/2021				Limits		
Sample ID	BH101 ES				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	1.30						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0154			0.124	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0005			< 0.0040	0.5	10	70
Copper *	0.0040			0.032	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	< 0.0004			< 0.0040	0.5	10	30
Nickel *	0.0027			0.022	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0044			0.035	4	50	200
Chloride *	1.9			15	800	15000	25000
Fluoride	0.45			3.7	10	150	500
Sulphate *	8.7			70	1000	20000	50000
TDS*	46			370	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	10.3			82.7	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93975						
					Client: CONCEPT		
Location	Colt DCS Data Centre, Hayes						
Lab Reference (Sample Number)	1979020				Landfill Waste Acceptance Criteria		
Sampling Date	16/08/2021				Limits		
Sample ID	BH101 ES				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	2.50						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0109			0.106	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0030			0.030	0.5	10	70
Copper *	0.0012			0.011	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	< 0.0004			< 0.0040	0.5	10	30
Nickel *	0.0040			0.039	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0088			0.086	4	50	200
Chloride *	1.0			9.9	800	15000	25000
Fluoride	0.066			0.64	10	150	500
Sulphate *	1.4			14	1000	20000	50000
TDS*	9.9			97	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	4.38			42.8	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



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Waste Acceptance Criteria Analytical Results							
Report No:	21-93975						
					Client: CONCEPT		
Location	Colt DCS Data Centre, Hayes						
Lab Reference (Sample Number)	1979021				Landfill Waste Acceptance Criteria		
Sampling Date	16/08/2021				Limits		
Sample ID	BH101 ES				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	6.60						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis					Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	10:1			10:1	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
	mg/l			mg/kg			
Arsenic *	< 0.0010			< 0.0100	0.5	2	25
Barium *	0.0053			0.0393	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0004			< 0.0040	0.5	10	70
Copper *	< 0.0007			< 0.0070	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	< 0.0004			< 0.0040	0.5	10	30
Nickel *	0.0024			0.018	0.4	10	40
Lead *	< 0.0010			< 0.010	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.0009			0.0063	4	50	200
Chloride *	2.1			16	800	15000	25000
Fluoride	0.40			2.9	10	150	500
Sulphate *	1.3			9.6	1000	20000	50000
TDS*	48			360	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.50			48.3	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		
Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3. This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.							



Analytical Report Number : 21-93975

Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004-PL	W	ISO 17025
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

**Ana Gonzalez**

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Analytical Report Number : 21-94977

Replaces Analytical Report Number: 21-94977, issue no. 1
Additional analysis undertaken.

Project / Site name:	Colt DCS Data Centre, Hayes	Samples received on:	23/08/2021
Your job number:	21-3600	Samples instructed on/ Analysis started on:	24/08/2021
Your order number:	CL3055	Analysis completed by:	27/09/2021
Report Issue Number:	2	Report issued on:	27/09/2021
Samples Analysed:	4 soil samples		

Signed: *Karolina Marek*

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-94977
 Project / Site name: Colt DCS Data Centre, Hayes
 Your Order No: CL3055

Lab Sample Number	1984613	1984614	1984615	1984616
Sample Reference	BH102	BH102	TP305	TP305
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.50	0.20	1.10
Date Sampled	20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	15
Total mass of sample received	kg	0.001	NONE	1.2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	Amosite	Chrysotile & Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	< 0.001	< 0.001	< 0.001	-
Asbestos Quantification Total	%	0.001	ISO 17025	< 0.001	< 0.001	< 0.001	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.6	10.1	10.2	9.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Total Organic Carbon (TOC)	%	0.1	MCERTS	1.5	0.4	0.6	0.6

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.51	1.7	0.18	0.32
Anthracene	mg/kg	0.05	MCERTS	0.16	0.60	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.1	2.5	0.37	0.64
Pyrene	mg/kg	0.05	MCERTS	1.0	2.0	0.32	0.57
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.71	2.0	0.24	0.34
Chrysene	mg/kg	0.05	MCERTS	0.44	1.2	0.15	0.34
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.84	2.5	0.27	0.56
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.30	0.83	0.13	0.16
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.72	2.3	0.24	0.40
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.42	1.3	< 0.05	0.29
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.35	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.54	1.4	< 0.05	0.38

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	6.74	18.7	1.90	4.00
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Analytical Report Number: 21-94977

Project / Site name: Colt DCS Data Centre, Hayes

Your Order No: CL3055

Lab Sample Number				1984613	1984614	1984615	1984616
Sample Reference				BH102	BH102	TP305	TP305
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.20	1.10
Date Sampled				20/08/2021	20/08/2021	20/08/2021	20/08/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				

Heavy Metals / Metalloids

Antimony (aqua regia extractable)	mg/kg	1	ISO 17025	4.4	< 1.0	< 1.0	5.9
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	17	11	11	15
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.87	0.84	0.87	0.82
Boron (water soluble)	mg/kg	0.2	MCERTS	0.4	1.0	1.7	0.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.5	0.6
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	25	34	23
Copper (aqua regia extractable)	mg/kg	1	MCERTS	73	40	55	78
Lead (aqua regia extractable)	mg/kg	1	MCERTS	160	62	65	140
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	20	33	23
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	41	38	35	34
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	140	94	200	240

Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	11	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	28	< 8.0
TPH-CWG - Aliphatic > EC35 - EC44	mg/kg	8.4	NONE	< 8.4	< 8.4	13	< 8.4
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	39	< 10
TPH-CWG - Aliphatic (EC5 - EC44)	mg/kg	10	NONE	< 10	< 10	52	< 10

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	13	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	31	22	< 10	< 10
TPH-CWG - Aromatic > EC35 - EC44	mg/kg	8.4	NONE	30	8.7	< 8.4	< 8.4
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	37	35	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC44)	mg/kg	10	NONE	67	43	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 21-94977
Project / Site name: Colt DCS Data Centre, Hayes
Your Order No: CL3055

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1984613	BH102	0.20	160	Loose Fibrous Debris	Chrysotile	< 0.001	< 0.001
1984614	BH102	0.50	160	Loose Fibres	Amosite	< 0.001	< 0.001
1984615	TP305	0.20	129	Loose Fibres	Chrysotile & Amosite	< 0.001	< 0.001

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



Analytical Report Number : 21-94977
Project / Site name: Colt DCS Data Centre, Hayes

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1984613	BH102	None Supplied	0.2	Brown loam and clay with gravel.
1984614	BH102	None Supplied	0.5	Brown loam and clay with gravel.
1984615	TP305	None Supplied	0.2	Brown loam and clay with gravel.
1984616	TP305	None Supplied	1.1	Brown loam and clay with gravel.

Analytical Report Number : 21-94977

Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.



Analytical Report Number : 21-94977
Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

**Ana Gonzalez**

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Analytical Report Number : 21-94986

Project / Site name:	Colt DCS Data Centre, Hayes	Samples received on:	23/08/2021
Your job number:		Samples instructed on/ Analysis started on:	24/08/2021
Your order number:	CL3055	Analysis completed by:	01/09/2021
Report Issue Number:	1	Report issued on:	01/09/2021
Samples Analysed:	2 10:1 WAC samples		

Signed: *A. Czerwińska*

Agnieszka Czerwińska
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.



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Waste Acceptance Criteria Analytical Results

Report No:	21-94986						
					Client: CONCEPT		
Location	Colt DCS Data Centre, Hayes						
Lab Reference (Sample Number)	1984659				Landfill Waste Acceptance Criteria		
Sampling Date	20/08/2021				Limits		
Sample ID	BH102				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Depth (m)	0.50						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0075			0.0642	0.5	2	25
Barium *	0.0250			0.214	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0047			0.041	0.5	10	70
Copper *	0.0057			0.049	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0021			0.0184	0.5	10	30
Nickel *	0.0040			0.034	0.4	10	40
Lead *	0.0077			0.066	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.022			0.19	4	50	200
Chloride *	1.0			8.5	800	15000	25000
Fluoride	0.21			1.8	10	150	500
Sulphate *	17			140	1000	20000	50000
TDS*	54			470	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	6.82			58.5	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



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Waste Acceptance Criteria Analytical Results

Report No:	21-94986						
					Client: CONCEPT		
Location	Colt DCS Data Centre, Hayes						
Lab Reference (Sample Number)	1984661				Landfill Waste Acceptance Criteria		
					Limits		
Sampling Date	20/08/2021				Inert Waste Landfill	Stable Non-reactive HAZARDOUS waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID	TP305						
Depth (m)	1.10						
Solid Waste Analysis							
TOC (%)**	-				3%	5%	6%
Loss on Ignition (%) **	-				--	--	10%
BTEX (µg/kg) **	-				6000	--	--
Sum of PCBs (mg/kg) **	-				1	--	--
Mineral Oil (mg/kg)	-				500	--	--
Total PAH (WAC-17) (mg/kg)	-				100	--	--
pH (units)**	-				--	>6	--
Acid Neutralisation Capacity (mol / kg)	-				--	To be evaluated	To be evaluated
Eluate Analysis	10:1			10:1	Limit values for compliance leaching test		
(BS EN 12457 - 2 preparation utilising end over end leaching procedure)	mg/l			mg/kg	using BS EN 12457-2 at L/S 10 l/kg (mg/kg)		
Arsenic *	0.0115			0.101	0.5	2	25
Barium *	0.0224			0.196	20	100	300
Cadmium *	< 0.0001			< 0.0008	0.04	1	5
Chromium *	0.0045			0.040	0.5	10	70
Copper *	0.011			0.097	2	50	100
Mercury *	< 0.0005			< 0.0050	0.01	0.2	2
Molybdenum *	0.0035			0.0306	0.5	10	30
Nickel *	0.0051			0.044	0.4	10	40
Lead *	0.0039			0.034	0.5	10	50
Antimony *	< 0.0017			< 0.017	0.06	0.7	5
Selenium *	< 0.0040			< 0.040	0.1	0.5	7
Zinc *	0.031			0.27	4	50	200
Chloride *	1.4			12	800	15000	25000
Fluoride	0.31			2.7	10	150	500
Sulphate *	12			110	1000	20000	50000
TDS*	49			430	4000	60000	100000
Phenol Index (Monohydric Phenols) *	< 0.010			< 0.10	1	-	-
DOC	9.50			83.1	500	800	1000
Leach Test Information							
Stone Content (%)	-						
Sample Mass (kg)	-						
Dry Matter (%)	-						
Moisture (%)	-						
Results are expressed on a dry weight basis, after correction for moisture content where applicable.					* = UKAS accredited (liquid eluate analysis only)		
Stated limits are for guidance only and i2 cannot be held responsible for any discrepancies with current legislation					** = MCERTS accredited		

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes as defined by the Waste (England and Wales) Regulations 2011 (as amended) and EA Guidance WM3.
This analysis is only applicable for landfill acceptance criteria (The Environmental Permitting (England and Wales) Regulations) and does not give any indication as to whether a waste may be hazardous or non-hazardous.



Analytical Report Number : 21-94986

Project / Site name: Colt DCS Data Centre, Hayes

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-2 (10:1) Leachate Prep	10:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-2.	L043-PL	W	NONE
Metals in leachate by ICP-OES	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Chloride 10:1 WAC	Determination of Chloride colorimetrically by discrete analyser.	In house based on MEWAM Method ISBN 0117516260.	L082-PL	W	ISO 17025
Fluoride 10:1 WAC	Determination of fluoride in leachate by 1:1ratio with a buffer solution followed by Ion Selective Electrode.	In-house method based on Use of Total Ionic Strength Adjustment Buffer for Electrode Determination"	L033B-PL	W	ISO 17025
Sulphate 10:1 WAC	Determination of sulphate in leachate by ICP-OES	In-house method based on MEWAM 1986 Methods for the Determination of Metals in Soil""	L039-PL	W	ISO 17025
Total dissolved solids 10:1 WAC	Determination of total dissolved solids in water by EC probe using a factor of 0.6.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L004-PL	W	ISO 17025
Monohydric phenols 10:1 WAC	Determination of phenols in leachate by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	ISO 17025
Dissolved organic carbon 10:1 WAC	Determination of dissolved inorganic carbon in leachate by TOC/DOC NDIR Analyser.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L037-PL	W	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

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Analytical Report Number : 21-95464

Replaces Analytical Report Number: 21-95464, issue no. 1
Additional analysis undertaken.

Project / Site name:	Colt DCS Data Centre Hayes	Samples received on:	25/08/2021
Your job number:	21 3600	Samples instructed on/ Analysis started on:	27/08/2021
Your order number:	CL3065	Analysis completed by:	27/09/2021
Report Issue Number:	2	Report issued on:	27/09/2021
Samples Analysed:	1 bulk sample - 14 soil samples		

Signed: *Karolina Marek*

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 21-95464
Project / Site name: Colt DCS Data Centre Hayes
Your Order No: CL3065

Lab Sample Number	1987732	1987733	1987734	1987735	1987736
Sample Reference	WS202	WS202	WS202	WS204	WS204
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.30	0.60	1.80	0.30	0.60
Date Sampled	23/08/2021	23/08/2021	24/08/2021	23/08/2021	23/08/2021
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	11
Total mass of sample received	kg	0.001	NONE	1.0	1.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	9.5	8.4	8.0	8.8	9.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Organic Carbon (TOC)	%	0.1	MCERTS	0.5	1.6	< 0.1	0.6	0.6

Phenols by HPLC

Catechol	mg/kg	0.1	ISO 17025	-	< 0.10	-	< 0.10	-
Resorcinol	mg/kg	0.1	ISO 17025	-	< 0.10	-	< 0.10	-
Cresols (o-, m-, p-)	mg/kg	0.3	ISO 17025	-	< 0.30	-	< 0.30	-
Total Naphthols (sum of 1- and 2- Naphthol)	mg/kg	0.2	ISO 17025	-	< 0.20	-	< 0.20	-
2-Isopropylphenol	mg/kg	0.1	ISO 17025	-	< 0.10	-	< 0.10	-
Phenol	mg/kg	0.1	ISO 17025	-	< 0.10	-	< 0.10	-
Trimethylphenol (2,3,5-)	mg/kg	0.1	ISO 17025	-	< 0.10	-	< 0.10	-
Total Xylenols and Ethylphenols	mg/kg	0.3	ISO 17025	-	< 0.30	-	< 0.30	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total Phenols (HPLC)	mg/kg	1.3	ISO 17025	-	< 1.3	-	< 1.3	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	0.35	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.24	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.84	4.1	< 0.05	< 0.05	0.91
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.89	< 0.05	< 0.05	0.31
Fluoranthene	mg/kg	0.05	MCERTS	1.8	9.8	< 0.05	0.37	1.9
Pyrene	mg/kg	0.05	MCERTS	1.7	9.9	< 0.05	0.35	1.5
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	6.3	< 0.05	0.19	0.84
Chrysene	mg/kg	0.05	MCERTS	1.2	4.5	< 0.05	0.24	0.81
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.3	6.8	< 0.05	0.25	0.72
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.71	3.6	< 0.05	0.18	0.42
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.2	7.3	< 0.05	0.24	0.66
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.64	3.9	< 0.05	< 0.05	0.33
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.26	1.1	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.78	4.5	< 0.05	< 0.05	0.36

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	11.6	63.2	< 0.80	1.82	8.77
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