SUMMARY OF CHALK TESTS

(BS1377 : PART 2 & 4 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content %	Saturated MC %	Dry Density Mg/m^3	Passing 10mm Sieve %	Chalk Crushing Value CCV	Remarks
WS1		D	4.80		20	24	1.63			
BH4		D	6.50		22	23	1.68			
BH4		D	9.10		22	21	1.72			
BH4		D	11.50		25	25	1.60			
BH4		D	18.90		21	21	1.71			
BH2		D	5.60		24	23	1.65			
BH2		D	8.00		23	25	1.61			
BH3		D	19.00		26	27	1.56			
BH3		D	21.00	21.45	27	24	1.63			

* CCV testing is not UKAS accredited

UKAS TESTING 4043

PSL Professional Soils Laboratory

Langstone Technology Park, Havant

Contract No:

PSL19/4664

Client Ref:

10/1425

SUMMARY OF SOIL DENSITY RELATED TESTS

(BS1377 : PART 2 & 4 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content %	Bulk Density Mg/m^3	Dry Density Mg/m^3	Retained 20mm %	Retained 37.5mm %	Method of compaction kg	Maximum Dry Density Mg/m^3	Minimum Dry Density Mg/m^3	Remarks
BH1		U	10.50	10.95	28	1.93	1.51						
BH2		U	5.00	5.45	26	1.93	1.53						
BH2		U	7.50	7.95	24	1.91	1.54						
BH2		U	17.00	17.45	24	1.99	1.60						
BH3		U	9.00	9.45	24	1.92	1.55						

PARTICLE SIZE DISTRIBUTION TEST

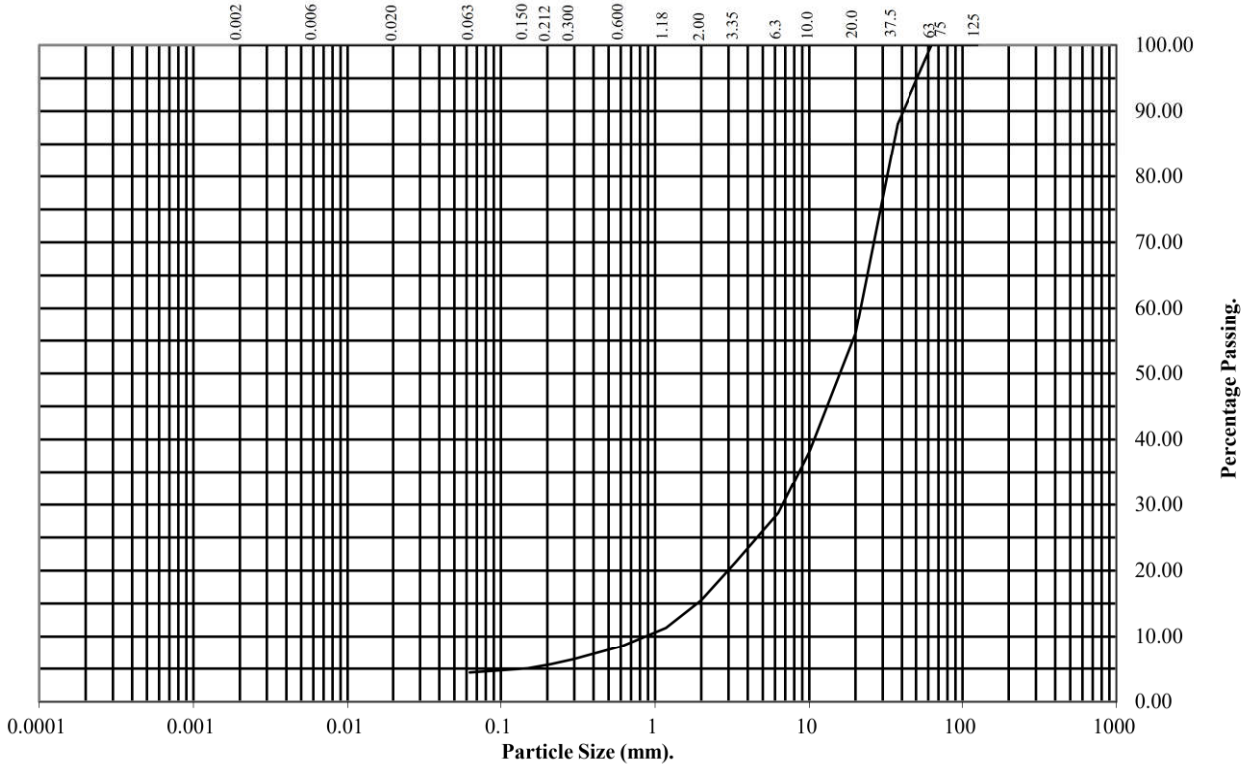
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: HTP3 **Top Depth (m):** 0.15

Sample Number: **Base Depth(m):** 0.20

Sample Type: B



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	88
20	56
10	38
6.3	29
3.35	21
2	16
1.18	11
0.6	8
0.3	6
0.212	6
0.15	5
0.063	4

Soil Fraction	Total Percentage
Cobbles	0
Gravel	84
Sand	12
Silt/Clay	4

Remarks:

See Summary of Soil Descriptions

PARTICLE SIZE DISTRIBUTION TEST

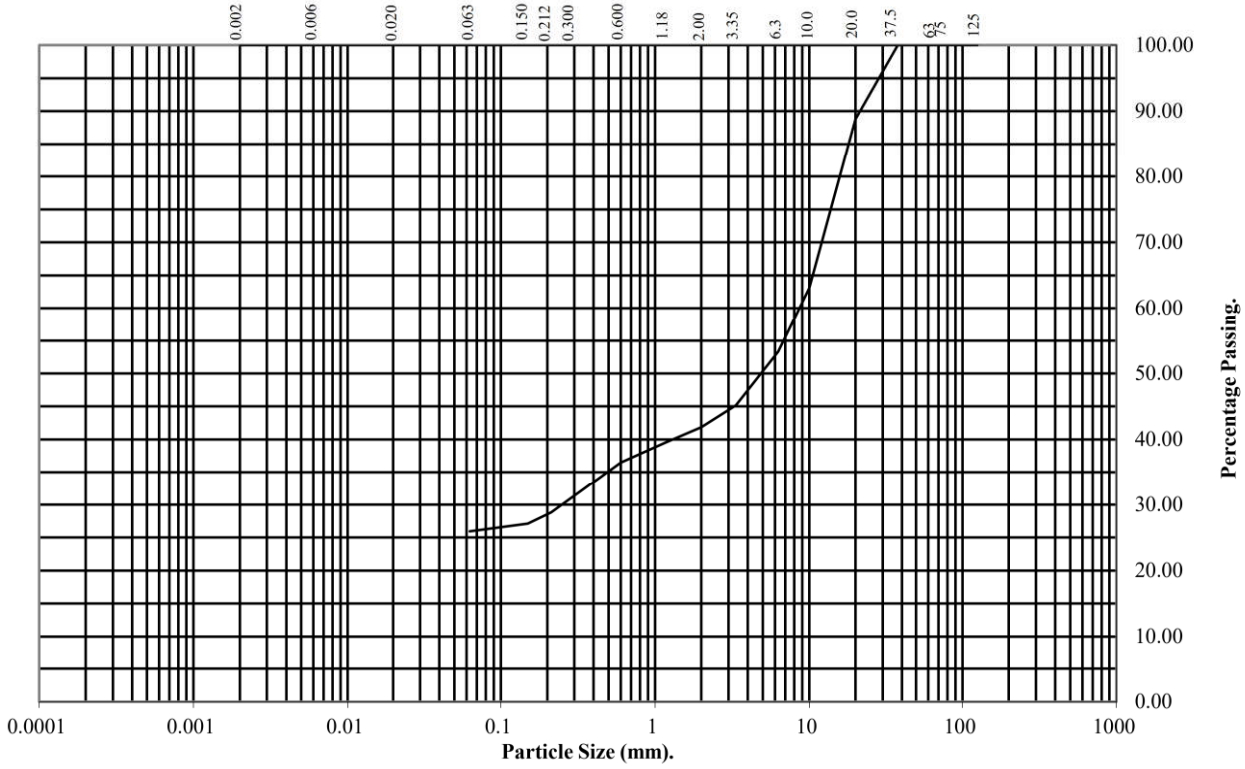
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: WS3 **Top Depth (m):** 1.50

Sample Number: **Base Depth(m):**

Sample Type: D



BS Test Sieve (mm)	Percentage Passing
125	100
75	100
63	100
37.5	100
20	89
10	63
6.3	53
3.35	45
2	42
1.18	40
0.6	36
0.3	31
0.212	29
0.15	27
0.063	26

Soil Fraction	Total Percentage
Cobbles	0
Gravel	58
Sand	16
Silt/Clay	26

Remarks:
See Summary of Soil Descriptions

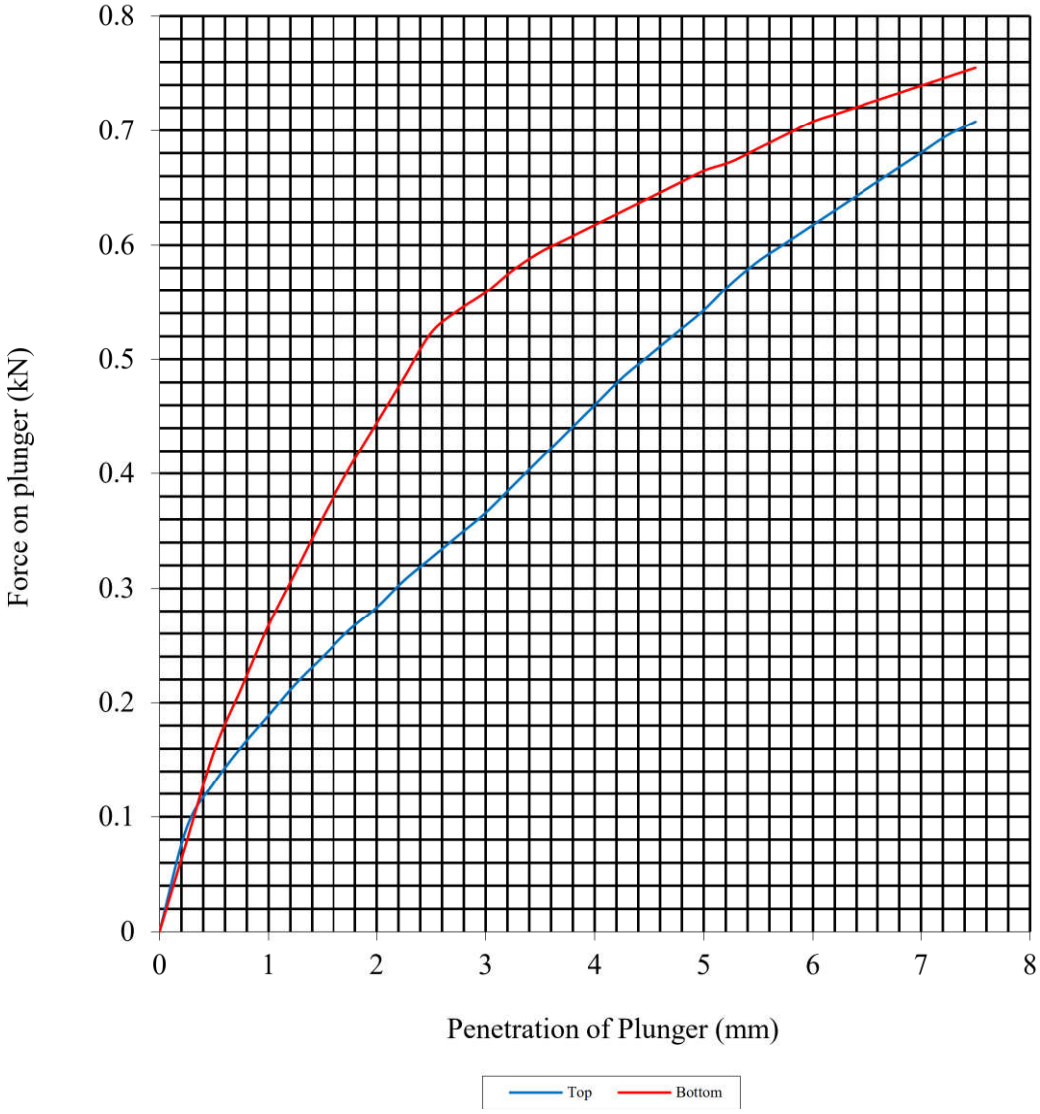
CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

Hole Number: SA1 **Top Depth (m):** 0.70

Sample Number: **Base Depth (m):**

Sample Type: B



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	14	Surcharge Kg:	4.20	Sample Top	15	Sample Top	2.7
Bulk Density Mg/m3:	2.13	Soaking Time hrs	96	Sample Bottom	15	Sample Bottom	4.0
Dry Density Mg/m3:	1.87	Swelling mm:	0.11	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:			47				
Compaction Conditions		4.5kg					

UKAS TESTING 4043

PSL Professional Soils Laboratory

Langstone Technology Park, Havant

Contract No: PSL19/4664

Client Ref: 10/1425

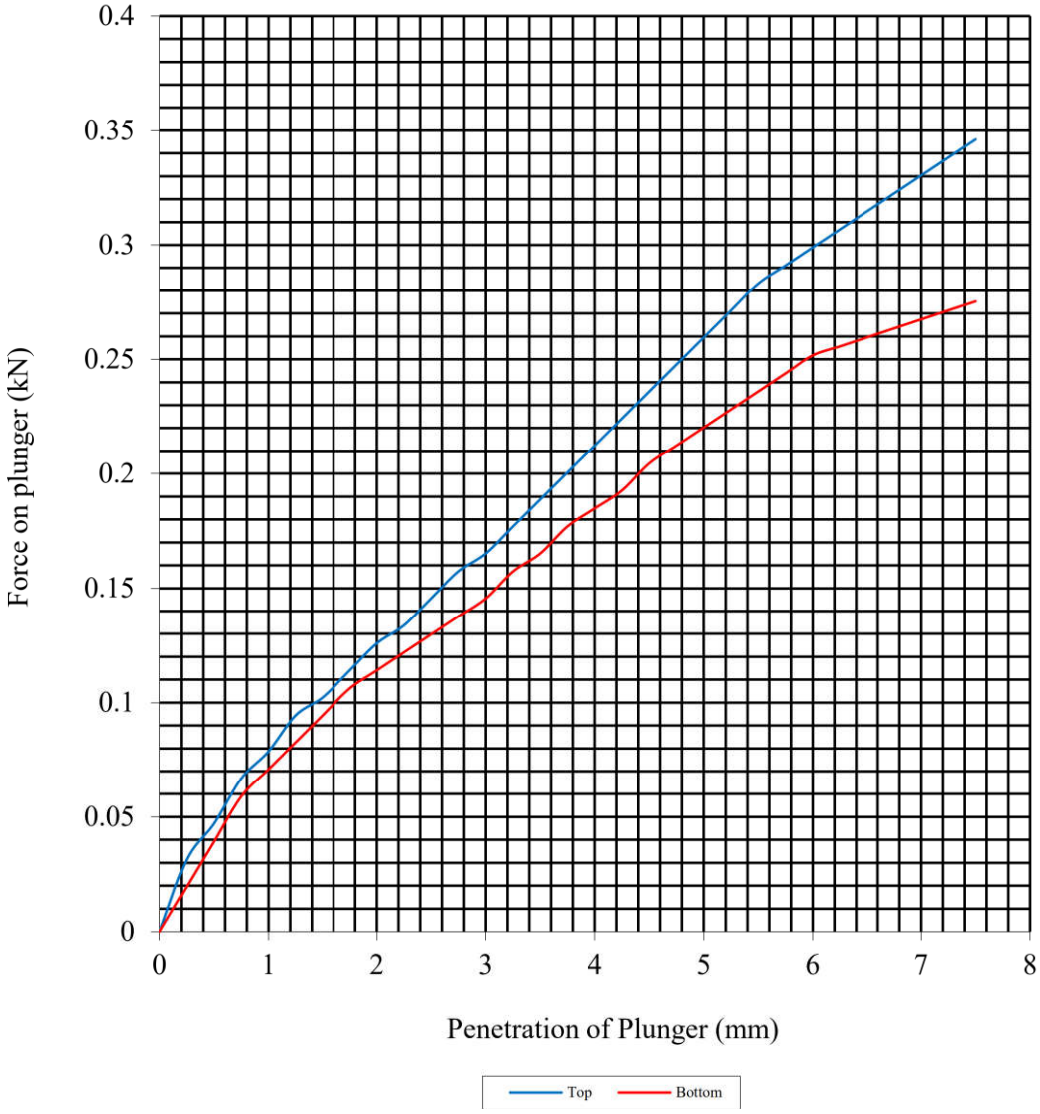
CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

Hole Number: SA2 **Top Depth (m):** 0.60

Sample Number: **Base Depth (m):**

Sample Type: B



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	20	Surcharge Kg:	4.20	Sample Top	22	Sample Top	1.3
Bulk Density Mg/m3:	1.95	Soaking Time hrs	96	Sample Bottom	21	Sample Bottom	1.1
Dry Density Mg/m3:	1.63	Swelling mm:	0.68	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:			43				
Compaction Conditions		4.5kg					

UKAS TESTING 4043

PSL Professional Soils Laboratory

Langstone Technology Park, Havant

Contract No: PSL19/4664

Client Ref: 10/1425

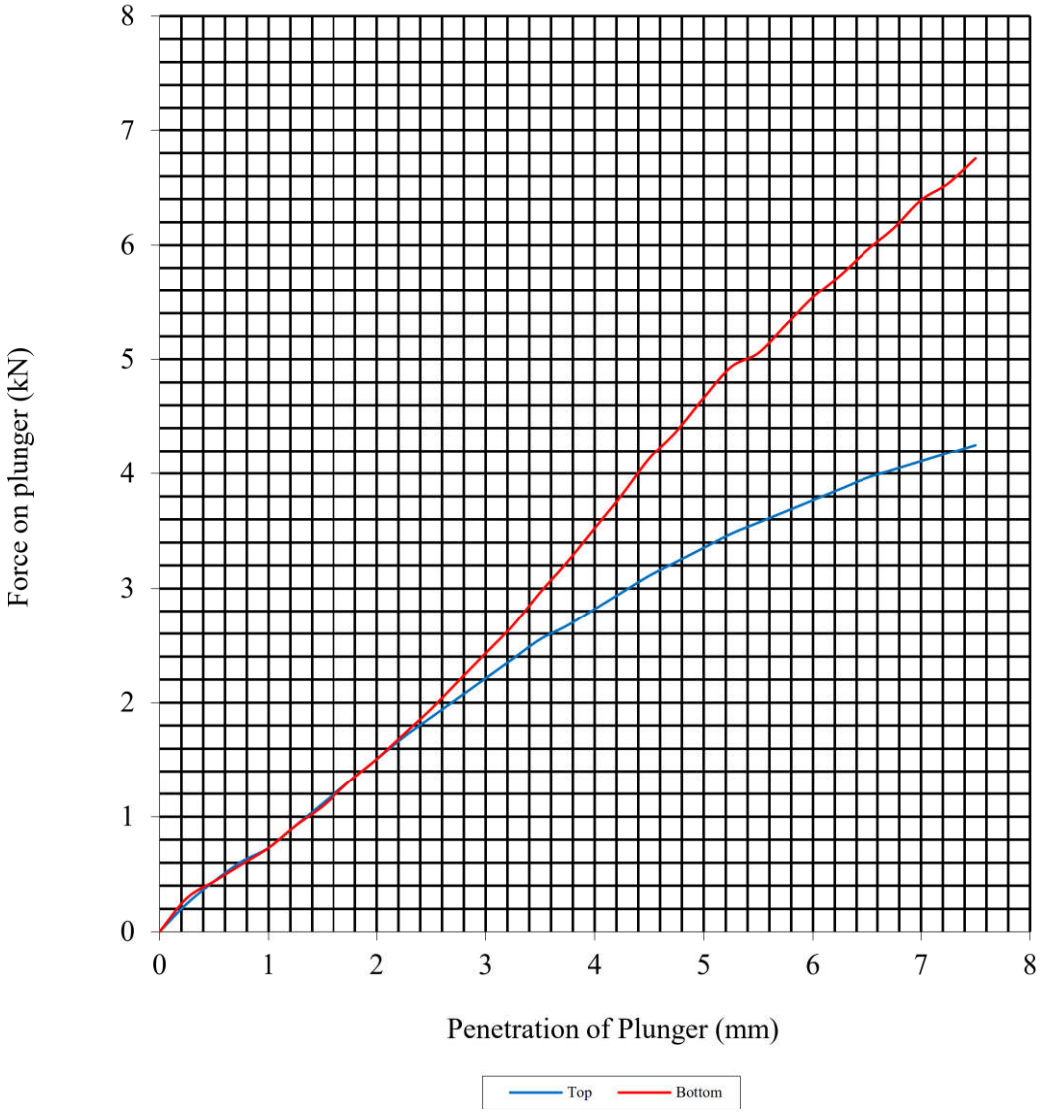
CALIFORNIA BEARING RATIO TEST

Non compliance with BS 1377 : Part 4 : 1990

Hole Number: WS2 **Top Depth (m):** 0.60

Sample Number: **Base Depth (m):** 0.80

Sample Type: B



Initial Sample Conditions		Sample Preparation		Final Moisture Content %		C.B.R. Value %	
Moisture Content:	11	Surcharge Kg:	4.20	Sample Top	14	Sample Top	16.8
Bulk Density Mg/m3:	2.10	Soaking Time hrs	96	Sample Bottom	12	Sample Bottom	23.3
Dry Density Mg/m3:	1.90	Swelling mm:	1.86	Remarks : See Summary of Soil Descriptions.			
Percentage retained on 20mm BS test sieve:			30				
Compaction Conditions		4.5kg					

UKAS TESTING 4043

PSL Professional Soils Laboratory

Langstone Technology Park, Havant

Contract No: PSL19/4664

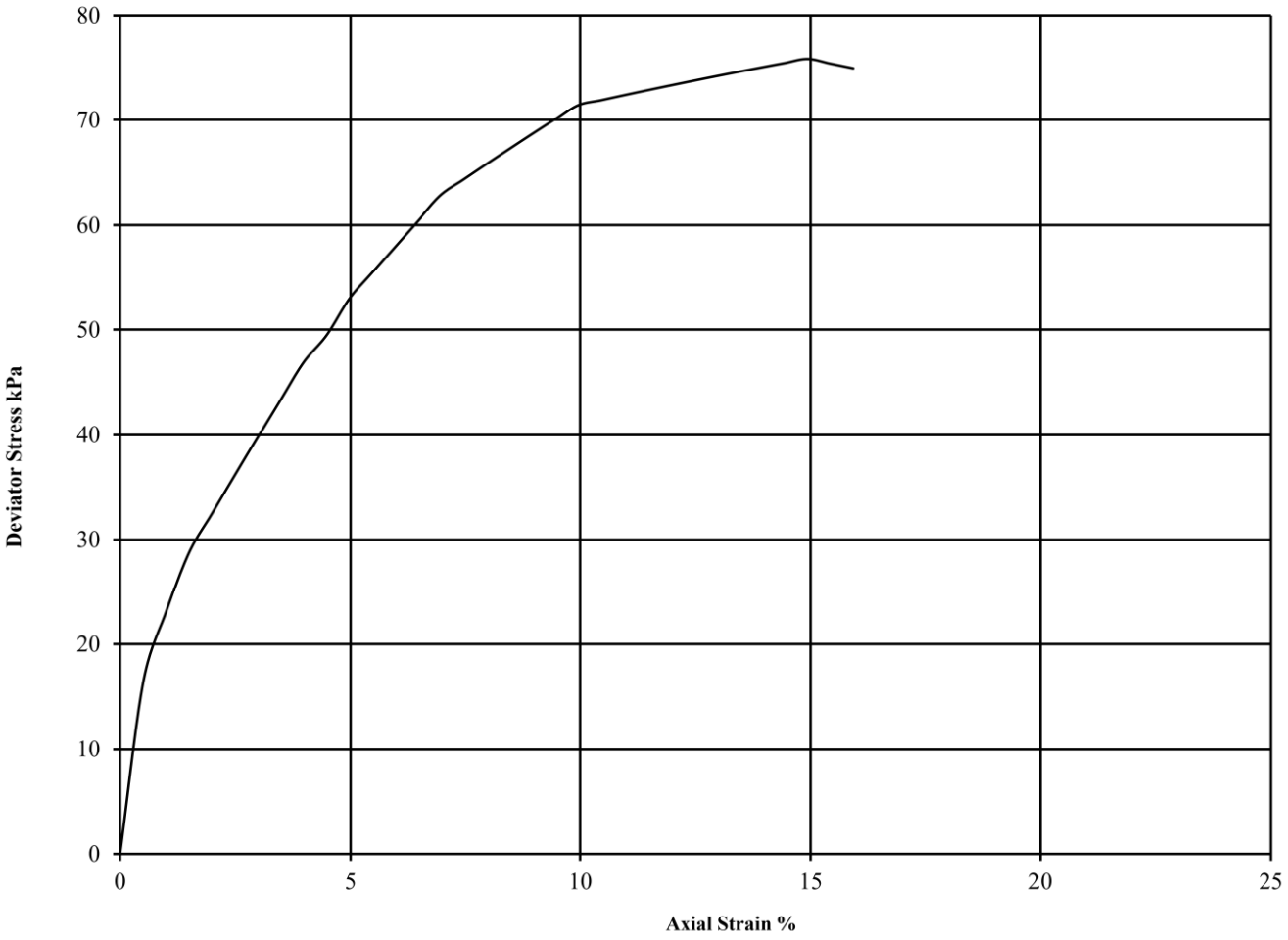
Client Ref: 10/1425

UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION

WITHOUT MEASUREMENT OF PORE PRESSURE

BS1377 : Part7 : 1990: Clause 8

Hole Number:	**BH1**	**Top Depth (m):**	**6.00**
Sample Number:		**Base Depth (m):**	**6.45**
Sample Type	**U**		



Diameter (mm):		103	Height (mm):		207	Test:	UU Single Stage		Remarks:
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa) θ_3	Corr. Max. Deviator Stress (kPa) $(\theta_1-\theta_3)_f$	Shear Strength Cu (kPa) $^1/_2(\theta_1-\theta_3)_f$	Failure Strain (%)	Mode of Failure	Undisturbed Sample Sample taken from top of tube Rate of strain = 2 %/min Latex Membrane used 0.2 mm thick, Correction applied 0.34
1	24	2.03	1.64	120	76	38	14.9	Plastic	See summary of soil descriptions

UKAS TESTING 4043

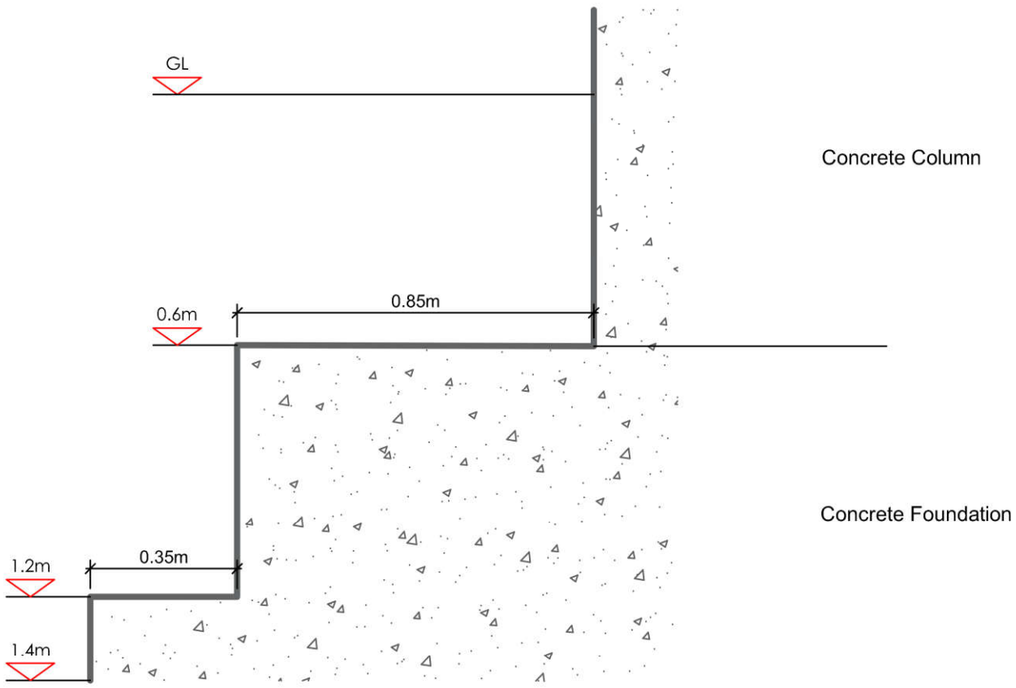
PSL Professional Soils Laboratory

Langstone Technology Park, Havant

Contract No:
PSL19/4664
Client Ref:
10/1425

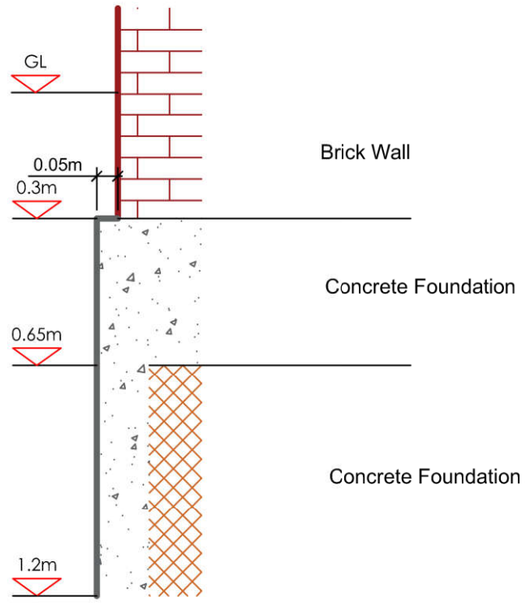
Appendix V

HTP1



Trial pit terminated in Made Ground. Base of foundation not encountered during this investigation.

HTP2



Trial pit terminated in Made Ground. Base of foundation encountered at 0.65m bgl in east of trial pit. Base of foundation not encountered in in west of trial pit.
Trial pit backfilled with arisings.

REV Rev	DATE Date	DESCRIPTION Description	BY By	CHK. Check	APP. App.

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DO NOT THAW LAYERS THAT HAVE BEEN FROZEN.

Client: Malcolm Hollis

Project: Langstone Technology Park
Havant

Office: Altrincham

Discipline: Geo-environmental

Title: Building 6000
Hand Excavated
Trial Pit Sections

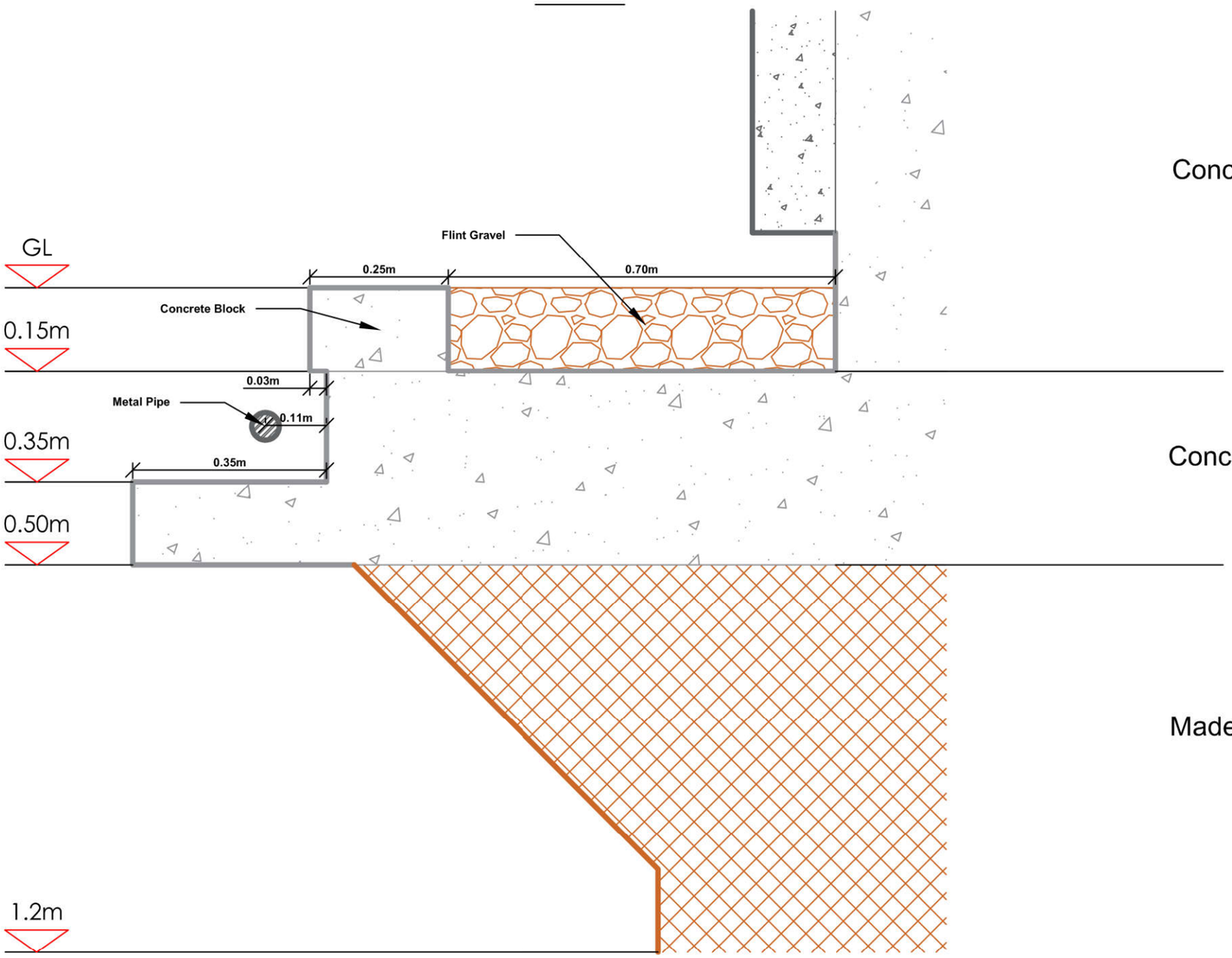
Scale @ A3: NTS

Status:

clancy consulting
www.clancy.co.uk
Birmingham 0121 200 7800 . Glasgow 0141 222 1720 . Liverpool 0151 227 5300 . London 020 3077 0910 . Manchester 0161 613 6000 . Newcastle 0191 221 0702 . Norwich 01603 305190 . Prestwich 01292 475375 . Reading 0118 941 7888

Originator	Job Number	Discipline	Building/Zone
SHP	10/1425	GEO	
Type	**Level**	**Drawing No.**	**Revision**
		004	A

HTP4



Trial pit terminated in Made Ground. Base of foundation encountered at 0.50m bgl in east of trial pit. Trial pit backfilled with arisings.

Rev	Date	Description	By	Check	App.
A	July 2019	Hand Excavated Trial Sections	DWH	SHP	NR

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DO NOT THAW LAYERS THAT HAVE BEEN FROZEN.

Client: Malcolm Hollis

Project: Langstone Technology Park
Havant

Office: Altrincham

Discipline: Geo-Environmental

Title: Building 1000
Hand Excavated
Trial Pit Sections

Scale @ A3: NTS

Status:

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Birmingham 0 21 200 7800 Glasgow 0141 222 1720 Liverpool 0151 227 6300 London 020 3077 0910 Manchester 0161 613 6000 Newcastle 0191 221 0702 Norwich 01603 306190 Prestwich 01292 475375 Reading 01189 841 7888

Originator	Job Number	Discipline	Building/Zone
DWH	10/1425	GEO	1000
Type	**Level**	**Drawing No.**	**Revision**
		005	A

Appendix VI

STRUCTURAL SOILS LTD

INSITU TESTING REPORT

1774

Report No. 749008R.01(00)

Date	24-July-2019	Contract	Langstone Techology Park, Havant

Client Clancy Consulting Ltd
Address Dunham Court
2 Dunham Road
Altrincham
Cheshire
WA14 4NX
For the Attention of Sophie Harper-Pryce

Order received	27-June-2019	Client Reference	None
Testing Started	19-July-2019	Client Order No.	26418/SHP/PPA
Testing Completed	19-July-2019	Instruction Type	Written

Tests marked 'Not UKAS Accredited' in this report are not included in the UKAS Accreditation Schedule for our Laboratory.

UKAS Accredited Tests

Not UKAS Accredited Tests

2no. Soakaway tests carried out at locations specified by client.

The results represent the ground conditions at the specified locations and depths at the time of testing.

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of.
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

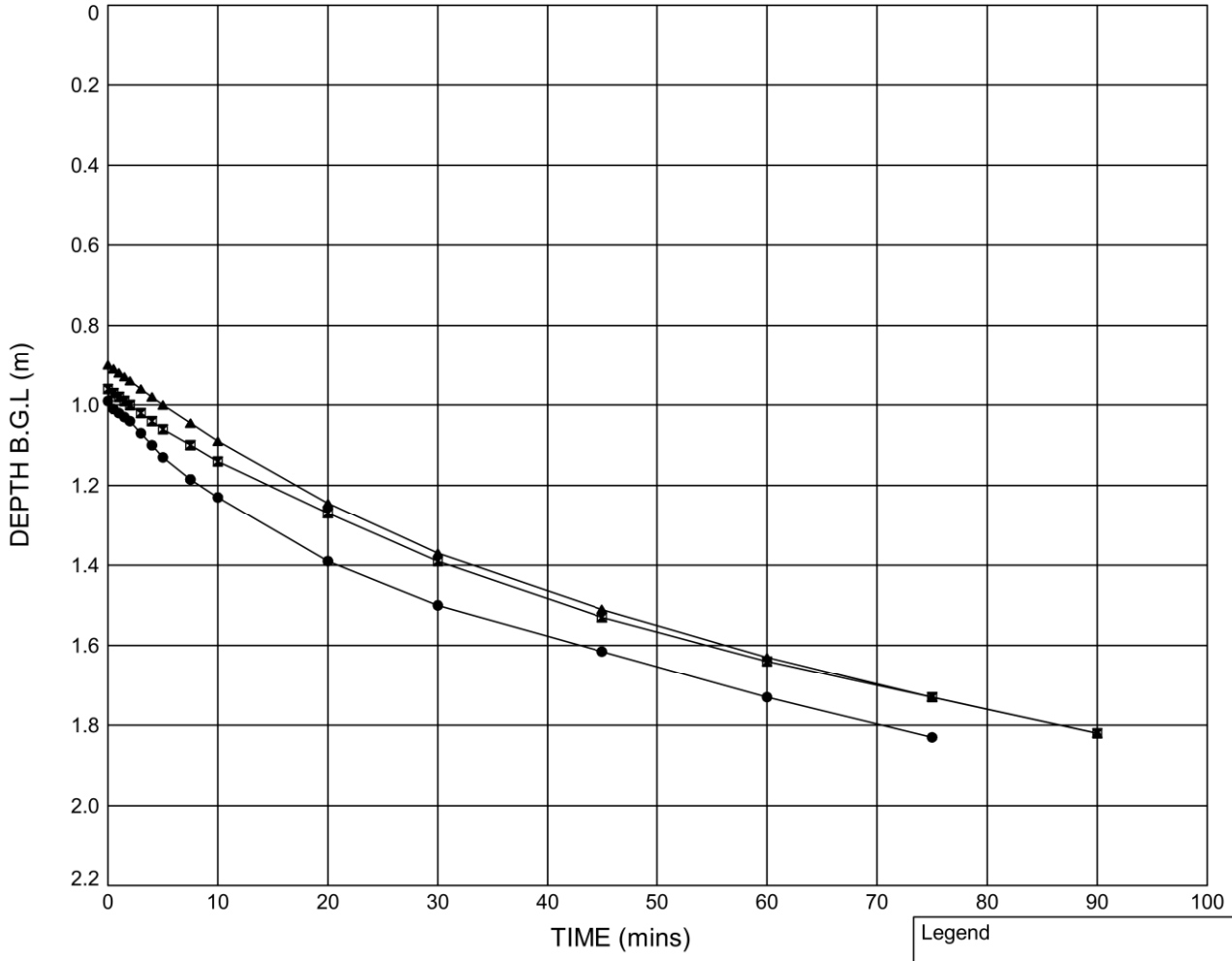
Structural Soils Ltd 1a Princess Street Bedminster Bristol BS3 4AG Tel.0117 9471000. e-mail dimitris.xirouchakis@soils.co.uk

FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SA1**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

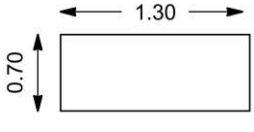


		Test 1	Test 2	Test 3	
Pit start depth:	=	*2.10*	**2.05**	*2.00*	m
Pit final depth:	=	*2.05*	**2.00**	*2.00*	m
Effective depth, De	=	*1.11*	**1.14**	*1.20*	m
Effective storage volume, V_{p75-25}	=	*0.5051*	**0.5187**	*0.5460*	m^3
Surface area, a_{p50}	=	*3.1300*	**3.1900**	*3.3100*	m^2
Time, t_{p75-25}	=	*3691*	**4265**	*4174*	secs
Infiltration rate, f	=	$4.37x10^{-5}$	$\mathbf{3.81x10^{-5}}$	$3.95x10^{-5}$	m/s

Legend

- Test 1 (19.07.19)
- Test 2 (19.07.19)
- Test 3 (19.07.19)

Plan (Not to scale)



No Bearing Taken

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By	Date	Checked By	Date
	D. Reed	24/07/19	S. Hall	24/07/19
	Contract **Langstone Technology Park, Havant**		Contract Ref: **749008**	

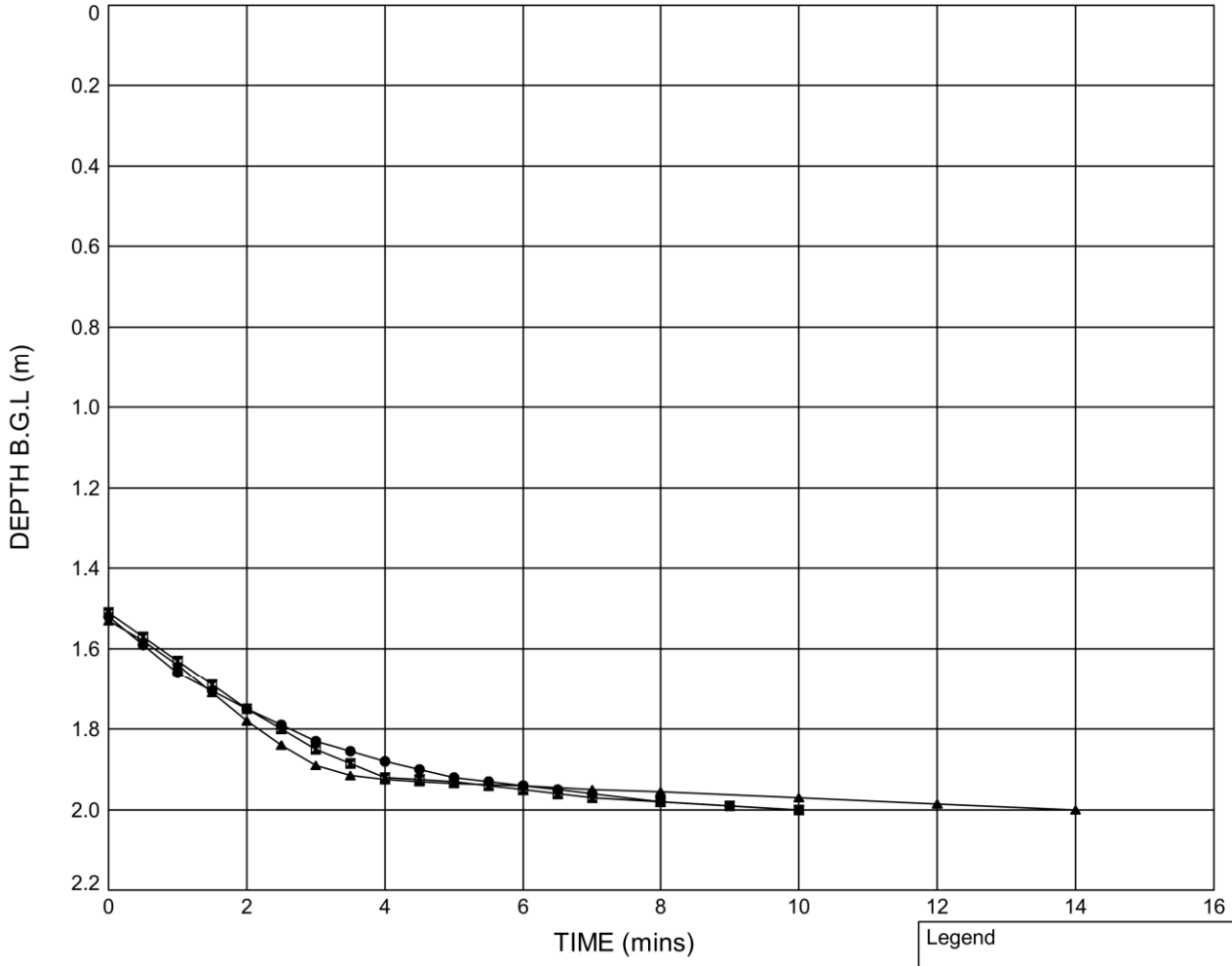
GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph I - TP SOAKAWAY - 2 - FINAL REPORT - A4P | 749008.GPJ - v8_07. | 24/07/19 - 12:10 | DR1 |

FULL SCALE SOAKAWAY TEST

In accordance with BRE Digest 365

Soakaway Test - Position ID : **SA2**

PLOT OF DEPTH OF WATER BELOW GROUND LEVEL AGAINST TIME

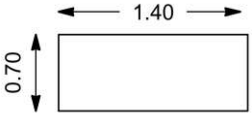


		Test 1	Test 2	Test 3	
Pit start depth:	=	**2.00**	*2.00*	*2.00*	m
Pit final depth:	=	**2.00**	*2.00*	*2.00*	m
Effective depth, De	=	**0.48**	*0.49*	*0.47*	m
Effective storage volume, V_{p75-25}	=	**0.2352**	*0.2401*	*0.2303*	m^3
Surface area, a_{p50}	=	**1.9880**	*2.0090*	*1.9670*	m^2
Time, t_{p75-25}	=	**189**	*143*	*113*	secs
Infiltration rate, f	=	**$6.26x10^{-4}$**	*$8.36x10^{-4}$*	*$1.04x10^{-3}$*	m/s

Legend

- Test 1 (19.07.19)
- Test 2 (19.07.19)
- Test 3 (19.07.19)

Plan (Not to scale)



No Bearing Taken

STRUCTURAL SOILS 1a Princess Street Bedminster Bristol BS3 4AG	Compiled By	Date	Checked By	Date
	D. Rees	24/07/19	S. Hart	24/07/19
	Contract		Contract Ref:	
	Langstone Technology Park, Havant		**749008**	

GINT_LIBRARY_V8_07.GLB LibVersion: v8_07_001 PrjVersion: v8_07 | Graph I - TP SOAKAWAY - 2 - FINAL REPORT - A4P | 749008.GPJ - v8_07. | 24/07/19 - 12:13 | DR1 |

APPENDIX VII

GAS MONITORING RESULTS

MONITORING RESULTS

CLIENT:	AG Langstone B.V.	**JOB NO:**	10/1425
SITE:	Langstone Technology Park, Havant	**SHEET:**	1 of 4
DATE:	12/09/2019		

Ambient Concentration (Volume) **CH** 0.0 **CO2** 0.0

O2 20.9

Monitoring Point			Gas Concentration								Gas Flow Rate	Remarks
			Highest			Steady			Lowest	H2S		
Ref	GWL	Depth	CH		CO2	CH		CO2	O2			
	(m)BGL	(m) BGL	LEL	v/v	( )	LEL	v/v	( )	( )	ppm	l/hr	
BH1A - New	2.45	2.5	0.0	0.0	4.7	0.0	0.0	4.7	18.0	0.0	0.7	
BH3 - New	2.45	3	0.0	0.0	4.0	0.0	0.0	4.0	17.2	0.0	0.1	
WS3 - New	2.60	3	0.0	0.0	7.2	0.0	0.0	7.2	10.9	0.0	0.1	
WS4 - New	1.88	2	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.0	0.1	

Barometric Pressure (mb): 1027

Barometric Trend: Rising

Weather: Overcast

Ground Condition: Dry

Monitoring E uipment: GA5000

Date Of Last Calibration:

Operator:

KEY

ND None Detected
NR Not Recorded
POS Positive Flow
NEG Negative Flow

Remarks

Checked: SHP **Approved:** NR

MONITORING RESULTS

CLIENT:	AG Langstone B.V.	**JOB NO:**	10/1425
SITE:	Langstone Technology Park, Havant	**SHEET:**	2 of 4
DATE:	16/09/2019		

Ambient Concentration (Volume) **CH** 0.0 **CO2** 0.0

O2 20.9

Monitoring Point			Gas Concentration								Gas Flow Rate	Remarks
			Highest			Steady			Lowest	H2S		
Ref	GWL	Depth	CH		CO2	CH		CO2	O2			
	(m)BGL	(m) BGL	LEL	v/v	( )	LEL	v/v	( )	( )	ppm	l/hr	
BH1A - New	Dry	2.5	0.0	0.0	4.0	0.0	0.0	4.0	18.9	0.0	0.1	
BH3 - New	1.90	3	0.0	0.0	4.5	0.0	0.0	4.4	16.5	0.0	0.1	
WS3 - New	2.63	3	0.0	0.0	0.0	0.0	0.0	0.0	20.6	0.0	0.1	
WS4 - New	1.97	2	0.0	0.0	0.0	0.0	0.0	0.0	20.7	0.0	0.1	

Barometric Pressure (mb):	1019	**Monitoring E uipment:**	GA5000
Barometric Trend:	Rising	**Date Of Last Calibration:**	
Weather:	Overcast	**Operator:**	
Ground Condition:	Dry		

KEY	**Remarks**
ND None Detected **NR Not Recorded** **POS Positive Flow** **NEG Negative Flow**	

Checked: SHP **Approved:** NR

MONITORING RESULTS

CLIENT:	AG Langstone B.V.	**JOB NO:**	10/1425
SITE:	Langstone Technology Park, Havant	**SHEET:**	3 of 4
DATE:	19/09/2019		

Ambient Concentration (Volume) **CH** 0.0 **CO2** 0.0

O2 20.9

Monitoring Point			Gas Concentration								Gas Flow Rate	Remarks
			Highest			Steady			Lowest	H2S		
Ref	GWL	Depth	CH		CO2	CH		CO2	O2			
	(m)BGL	(m) BGL	LEL	v/v	( )	LEL	v/v	( )	( )	ppm	l/hr	
BH1A - New	Dry	2.5	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0.1	
BH3 - New	2.54	3	0.0	0.0	4.8	0.0	0.0	4.8	16.7	0.0	0.1	
WS3 - New	2.65	3	0.0	0.0	0.9	0.0	0.0	0.9	19.8	0.0	0.1	
WS4 - New	2.0	2	0.0	0.0	0.0	0.0	0.0	0.0	20.5	0.0	0.1	

Barometric Pressure (mb): 1025

Barometric Trend: Falling

Weather: Sunny

Ground Condition: Dry

Monitoring E uipment: GA5000

Date Of Last Calibration:

Operator:

KEY

ND None Detected
NR Not Recorded
POS Positive Flow
NEG Negative Flow

Remarks

Checked: DK **Approved:** NR

MONITORING RESULTS

CLIENT:	AG Langstone B.V.	**JOB NO:**	10/1425
SITE:	Langstone Technology Park, Havant	**SHEET:**	4 of 4
DATE:	30/09/2019		

Ambient Concentration (Volume) **CH** 0.0 **CO2** 0.0

O2 21.0

Monitoring Point			Gas Concentration								Gas Flow Rate	Remarks
			Highest			Steady			Lowest	H2S		
Ref	GWL	Depth	CH		CO2	CH		CO2	O2			
	(m)BGL	(m) BGL	LEL	v/v	( )	LEL	v/v	( )	( )	ppm	l/hr	
BH1A - New	Dry	2.5	0.0	0.0	3.9	0.0	0.0	3.9	17.7	0.0	0.1	
BH3 - New	2.12	3	0.0	0.0	1.3	0.0	0.0	1.3	19.9	0.0	0.1	
WS3 - New	2.39	3	0.0	0.0	4.1	0.0	0.0	4.1	16.9	0.0	0.1	
WS4 - New	1.46	2	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.1	

Barometric Pressure (mb):	1009	**Monitoring E uipment:**	GA5000
Barometric Trend:	Falling	**Date Of Last Calibration:**	
Weather:	Overcast	**Operator:**	
Ground Condition:	Dry		

KEY

ND None Detected
NR Not Recorded
POS Positive Flow
NEG Negative Flow

Remarks

Checked: DK **Approved:** NR

clancy consulting



Supplementary Site Investigation Report for Langstone Technology Park, Havant

Prepared for AG Langstone B.V.

September 2020

10/1425/004 Rev. 00

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Executive Summary

Client	AG Langstone B.V.
Location	The site is located toward the southern periphery of Havant, approximately 600m south of the Town Centre and 1.5km south-east of Junction 5 of the A3(M).
Description	The wider site comprises a series of large buildings subdivided into leased units of mixed uses with associated car parking and landscaped areas. The current study area is located in the south of the wider site, predominantly comprising car parking, small gymnasium, vehicle washing area, storage area and a number of circular historic tank bases.
Development	The site is proposed for redevelopment for commercial purposes with associated infrastructure.
Previous Site Investigations	During works undertaken by Clancy Consulting in July 2019, Made Ground was recorded to depths of up to 3.10m bgl, underlain by River Terrace Deposits and/or highly weathered material derived from the underlying bedrock, to maximum depths of between 5.10m and 6.00m bgl. This was underlain by solid chalk bedrock, proven to a maximum depth of 24.85m bgl. Visual and olfactory evidence of hydrocarbon contamination was recorded in two locations in the south-west of the site (in the west of this current area of study). Although, chemical testing of soil samples collected from these locations did not identify any contaminants in excess of their relevant soil screening values for commercial / industrial end use, concentrations of organic contaminants were recorded in excess of their solubility saturation limits. As such, it was considered that these contaminants could be impacting upon groundwater (superficial Secondary A Aquifer and bedrock Principal Aquifer) beneath the site, encountered at depths ranging from 2.00m to 3.00m bgl.
Hazardous Gas	Ground gas monitoring undertaken as part of the previous works indicated the site to be classified as CIRIA Characteristic Situation 2 (CS2). Ground gas protection measures were therefore recommended for all new structures in accordance with current guidance.
Foundations	Given the variable nature of the shallow natural strata, a shallow foundation solution may be susceptible to differential settlement. As such, it was considered a piled foundation solution may prove more suitable.
Site Investigations	Site investigation works were undertaken across the site and within areas of previously identified contamination comprising the drilling of two cable percussive boreholes and twenty five window sample boreholes to provide better spatial coverage, fill in data gaps, refine the Conceptual Site Model, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.
Ground Conditions	The ground investigation has identified up to 1.70m of Made Ground. The Made Ground was found to comprise 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.0m bgl. This was followed by weathered layers of the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl. Visual and olfactory evidence of contamination was encountered in several locations, in the vicinity of previously identified contamination.

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Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

The ground conditions encountered do not differ significantly from those previously discussed.

Contamination

Contaminants of concern were recorded in groundwater sampled from beneath the site though concentrations were only marginally elevated above adopted assessment criteria.

TPH compounds were recorded in Made Ground and natural strata at concentrations in excess of their solubility limits in two hotspot locations. A number of VOC and SVOC compounds were also recorded within samples collected from the hotspot locations though no published assessment criteria for these contaminants are currently available. The excavation and off-site disposal of contaminated soils in these locations will lead to the betterment of groundwater quality beneath the site. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

Waste Characterisation

Based on available information, it is considered likely that the majority of Made Ground and natural soils beneath the site would be suitable for disposal as Non-Hazardous Waste. Natural soils impacted by localised TPH contamination in the vicinity of boreholes WS01, WS04, WS21, WS31 and WS32 would require disposal to a Hazardous Waste landfill.

Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

Geotechnical

The SPTs carried out within the Made Ground were found to be in a loose to medium dense condition.

SPTs carried out within the shallow natural strata found these soils to be in a very variable condition.

SPTs carried out in the chalk recorded ‘N’ values ranging from 7 to 19. The SPT ‘N’ values from 18.0m to 19.5m were >50. In accordance with CIRIA C574 ‘Engineering in Chalk’, the SPT ‘N’ values indicate that the base of weathering within the chalk bedrock is 18.0m bgl.

These records do not differ significantly from those encountered during previous investigations.

Further Works

The mitigation measures discussed within this report should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

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It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).
- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

We would recommend that this report be submitted to the LPA at the earliest opportunity to seek their approval or further comments regarding the recommendations presented herein.

The above conclusions and recommendations are based on the sites proposed development comprising new commercial units with associated car parking and landscaped areas. Should the proposed end use change it will be necessary to amend the conclusions accordingly. The report also assumed that the final site levels will not be significantly altered.

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Drawings

Site Location Plan
Existing Site Layout Plan
Exploratory Hole Location Plan

Appendices

Appendix I	Drawings
Appendix II	Exploratory Hole Logs
Appendix III	Chemical Laboratory Test Results
Appendix IV	Waste Assessment

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1.0 Introduction

1.1 Background

Clancy Consulting Limited has been appointed by AG Langstone B.V. to conduct further investigations at the Langstone Technology Park site in Havant. The aim of the investigation is to provide better spatial coverage, fill in data gaps, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.

A site location plan and proposed development plans are presented in Appendix I.

These works are to be undertaken in the south of the wider Langstone Technology Park site (currently occupied by car parking, landscaped areas, a gymnasium and historic tank bases) and can be split into two phases: Phase 1 in the western and central sections; and Phase 2 in the eastern section of the site.

This phase of works follow two previous phases of investigation carried out by Clancy Consulting Ltd for the wider site.

- Clancy Consulting Ltd Report No. 10/1425/001 dated August 2019
- Clancy Consulting Ltd Report No. 10/1425/002 (letter report) dated September 2019
- Clancy Consulting Ltd Report No. 10/1425/003 (letter report) dated June 2020

These previously issued documents should be read in conjunction with this report. A summary of the findings is provided in Section 2.0 below.

1.2 Objectives

The objectives of this investigation are summarised below:

- Provide a summary of data obtained during the previous investigation including ground conditions and contamination assessment.
- Undertake an intrusive site investigation comprising the drilling of window sample boreholes and cable percussion boreholes to establish the ground conditions across the proposed development area.
- Carry out geotechnical assessment of the ground conditions.
- Carry out chemical testing to determine whether any contamination risk exists to the environment and / or human health.
- Refine the preliminary risk assessment and conceptual site model with regard to potential contamination sources, pathways and receptors.
- Provide recommendations regarding the requirement for further investigations or remedial works, if required, to satisfy the Local Planning Authority and inform detailed civil and structural design.

1.3 Limitations of the Study

Clancy Consulting Limited cannot be held responsible for any omissions, misrepresentation, errors or inaccuracies with the supplied third party report information. The report is written in the context of an agreed scope of work and budget and should not be used in a different context. New information or improved practices and changes in legislation may require a reinterpretation of the report in whole or in part.

Clancy Consulting Limited reserves the right to amend either conclusions or recommendations in light of any further information that may become available. The report is provided for the sole use of AG Langstone B.V. for the objectives discussed previously only, and is confidential to them.

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The report may not be relied upon by any other party without prior written consent of Clancy Consulting Limited. Those using this information in subsequent assessments or evaluations do so at their own risk.

It must be noted that whilst this investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present in areas of the site which fall outside of the exploratory locations as part of this investigation.

2.0 Summary of Previous Findings

2.1 General

The following sections have been prepared based on information acquired during the Geo-Environmental Appraisal for the site.

2.2 Site Setting and Description

The wider Langstone Technology Park comprises a roughly rectangular parcel of land occupying an area of approximately 16Ha. The site is located toward the southern periphery of Havant, approximately 600m south of the Town Centre and 1.5km south-east of Junction 5 of the A3(M).

The wider site comprises a series of large buildings subdivided into leased units of mixed uses. Occupying the centre of the site are a series of buildings including two plant buildings ('Building 2000 and 3000'), offices and amenity complex with associated courtyards ('Building 4000'), a large data and distribution centre ('Building 5000') with a waste storage area to the west, along with three-storey office buildings ('Building 6000 and 7000'). A small nursery is present to the south of Building 5000.

Located in the north of the site is 'Building 1000', a single storey structure built on top of a man-made embankment and understood to contain a number of offices, manufacturing and laboratory units with access tunnels running from the car park to the north to beneath the building.

Toward the south-western corner of the site is a small gymnasium, vehicle washing area (with associated subsurface drainage), a storage area and a number of circular historic tank bases.

Access infrastructure and soft landscaping covers the rest of the site, which include a number of engineered slopes. The remainder of the site is currently occupied by car parking areas (including the majority of the south of the site).

An existing site layout plan is presented in Appendix I.

2.3 Previous Site Investigation

During works undertaken by Clancy Consulting in July 2019, Made Ground was recorded to depths of up to 3.10m bgl, underlain by a sequence of interbedded granular and cohesive strata, interpreted to be representative of the River Terrace Deposits and/or highly weathered material derived from the underlying bedrock, to maximum depths of between 5.10m and 6.00m bgl. This was underlain by solid chalk bedrock, proven to a maximum depth of 24.85m bgl.

Visual and olfactory evidence of hydrocarbon contamination was recorded in two locations in the south-west of the site (in the west of this current area of study). Although, chemical testing of soil samples collected from these locations did not identify any contaminants in excess of their relevant soil screening values for commercial / industrial end use, concentrations of organic contaminants were recorded in excess of their solubility saturation limits. As such, it was considered that these contaminants could be impacting upon groundwater (superficial Secondary A Aquifer and bedrock Principal Aquifer) beneath the site, encountered at depths ranging from 2.00m to 3.00m bgl.

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Further consideration was recommended regarding the introduction of permeable surfaces / soakaways as part of the proposed development, as the introduction of water into these soils may increase the risk of the identified contaminants mobilising and migrating into controlled groundwaters. Due to the presence of chalk beneath the site, it was recommended that the risk of causing ground dissolution features from the introduction of traditional soakaway drainage features be considered. Distributive soakaways such as permeable paving and sub-base infiltration that do not discharge surface waters in a localised manner would mitigate the risk of generating groundwater dissolution features.

Ground gas monitoring indicated the site to be classified as CIRIA Characteristic Situation 2 (CS2). Ground gas protection measures were therefore recommended for all new structures in accordance with current guidance.

Given the variable nature of the shallow natural strata, a shallow foundation solution may be susceptible to differential settlement. As such, it was considered a piled foundation solution may prove more suitable.

Further information regarding the works undertaken to date at the site by Clancy Consulting Ltd can be found within the above referenced reports. The following sections refer only to works carried out in Phase 1 and Phase 2 in the south of the wider Langstone Technology site.

3.0 Site Investigation

3.1 Investigation Design & Objectives

The revised Conceptual Site Model was used to design an appropriate site investigation. The design approach was based on guidance provided in BS 10175 Code of Practice for Investigation of Potentially Contaminated Land (2011).

The aim of the investigation is to position cable percussive and window sample boreholes across the site and within areas of previously identified contamination to provide better spatial coverage, fill in data gaps, refine the Conceptual Site Model, further the geotechnical and contamination assessments and aid in delineating contamination identified during a previous phase of works.

It must be noted that ground investigations can only target small areas of a site and that ground conditions may vary between exploratory hole locations. Whilst the investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present in areas of the site which fall outside of the exploratory locations carried out as part of this investigation.

3.2 Exploratory Fieldwork

Site investigation works were undertaken between 27th and 31st July 2020, and comprised the drilling of two cable percussion boreholes (BH5 and BH6) to a maximum depth of 19.95m bgl and the drilling of twenty five window sample boreholes (WS9 to WS32) to a maximum depth of 4.45m bgl.

BH6, WS13 to WS23 and WS25 to WS32 were positioned across Phase 1 and BH5, WS9 to WS12 and WS24 positioned across Phase 2.

An exploratory hole location plan is presented in Appendix I with exploratory hole logs presented in Appendix II.

3.3 Ground Conditions

Details of the ground conditions encountered beneath the proposed development site, along with records of the soil samples taken are presented on the exploratory hole records in Appendix II with a summary of the ground conditions provided below.

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3.4 Made Ground

Made Ground was encountered in all exploratory locations and generally comprised tarmacadam to maximum depth of 0.2m bgl (occasionally followed by sub-base type materials of sandy gravel of limestone, flint and sandstone) or topsoil underlain by predominantly granular fill comprising clayey sand with gravel of brick and clinker or reworked natural materials generally comprising clayey sandy gravel of flint with fragments of brick to a maximum depth of 1.10m bgl.

In WS21 the reworked natural materials were followed by Made Ground comprising sandy clay with gravel of flint and fragments of brick to 1.40m bgl. In the location of WS14, the reworked natural materials were followed by organic clayey sand with gravel of brick and flint to 1.50m bgl and sandy clay with gravel of flint and fragments of brick to 1.70m bgl. Other than in the locations discussed above, in general, the Made Ground was found to be less than 0.50m in thickness.

A band of concrete was encountered in WS30 between 0.20m and 0.30m bgl.

Visual and olfactory evidence of contamination was recorded in WS21.

The above ground conditions do not differ significantly from those encountered during previous phases of investigation.

3.5 Natural Strata

Natural strata was formed from a mix of granular and cohesive deposits, comprising clayey sandy gravel of flint and sandy silt / clay with gravel of flint (and occasionally chalk), proven to a maximum depth of 4.00m bgl. In the west of the site, a band of occasionally gravelly or sandy silt / clay was also encountered at depths ranging from 0.30m to 1.10m bgl, ranging in thickness from 1.10m to 1.40m. A 0.20m thick band of gravelly clay was also encountered in WS9 in the east of the site. These materials have been interpreted to be River Terrace Deposits or Brickearth.

WS9 to WS13, WS15 to WS17, WS22, WS23, WS25, WS27 and WS30 (predominantly across the central and east of the site) were terminated within this material.

A band of soft gravelly sandy clay with decaying roots and rootlets was encountered in WS14 between 2.00m and 2.60m bgl and interpreted to be representative of historic topsoil.

The River Terrace Deposits / Brickearth were underlain (where encountered) by light grey and cream sandy silt / clay with gravel of flint and chalk, silty sand with gravel of flint and chalk, and silty sandy gravel of flint and chalk proven to a maximum of 6.00m bgl. These materials have been interpreted to be weathered layers of the chalk bedrock.

Chalk bedrock was encountered in BH5 and BH6 at depths ranging from 5.80m to 6.00m and proven to a maximum depth of 19.85m bgl.

Visual and olfactory evidence of contamination was encountered in was recorded in WS19, to WS21, WS29, WS31 and WS32.

The above ground conditions do not differ significantly from those encountered during previous phases of investigation.

3.6 Groundwater

Groundwater (where encountered) was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Within BH5 and BH6, groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

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3.7 Chemical Laboratory Testing

Selected soil and groundwater samples were recovered at regular intervals and submitted to a UKAS/MCerts accredited laboratory for a general and targeted suite of analyses which included the following:

In total twenty nine soil samples (five from the Made Ground and twenty four from the underlying natural strata) were tested for a range of determinands including *arsenic, beryllium, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, vanadium, zinc, speciated PAH, speciated TPH, SVOC and VOC. Select samples were also tested for TOC and PCBs*.

A sample of residues / solids encountered within the monitoring well in WS20 during collection of a groundwater sample was also recovered and tested for *Speciated PAH and Speciated TPH* analysis.

Copies of the laboratory test certificates are presented in Appendix III.

4.0 Tier 1 Contamination Analysis

4.1 Guidelines

At a Tier 1 stage the long-term human health toxicity of the soil has been assessed with reference to the LQM / CIEH S4ULs for Human Health Risk Assessment and CL:AIRE Category 4 Screening Levels (C4SLs). The proposed development will comprise the construction of new commercial units and associated hard standing, therefore the chemical test results have been compared against Site Screening Values (SSVs) for a commercial / industrial end use.

Water samples were recovered from WS3, WS9, WS14, WS20, WS29, BH5 and BH6 and tested for a range of determinands including dissolved *arsenic, beryllium, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, vanadium, zinc, speciated PAH, speciated TPH, SVOC, VOC and DOC.*

Given the presence of a superficial Secondary A Aquifer and bedrock Principal Aquifer beneath the site, the water analysis has been assessed with reference to The Water Supply (Water Quality) Regulations 2018 and WHO Guidelines For Drinking Water Quality. Where threshold values are not available, values have been considered in relation to laboratory detection limits.

4.2 Soil Inorganic Contamination

One sample of the Made Ground and fifteen samples of the natural strata were submitted for chemical testing for inorganic determinants.

None of the determinands tested exceeded their respective SSVs, protective of human health.

4.3 Soil Organic Contamination

Three samples of the Made Ground and twenty four samples of the natural strata were tested for speciated PAH and speciated TPH. Twenty three samples of the natural strata were also tested for VOC and SVOC compounds. Twelve samples of the natural strata were tested for TOC and two samples of the Made Ground tested for PCB analysis.

No elevated concentrations of the PAH compounds or TPH fractions tested were recorded in excess of their respective SSVs, protective of human health.

SVOC compounds were not recorded at concentrations in excess of their relevant SSVs or the laboratory detection limits, with the exception of perylene in a sample from WS23 at 1.00m bgl. The concentration recorded was 896µg/kg compared to the laboratory detection limit of 100µg/kg. Given the very low concentration recorded and its relatively low volatility, this is not considered to represent a significant risk to future site users.

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VOC compounds were not recorded at concentrations above their relevant SSVs or laboratory detection limits, with the exceptions of isopropylbenzene, n-propylbenzene, 124-trimethylbenzene, sec-butylbenzene and n-butylbenzene in WS31 at 2.50m and WS32 at 2.40m and 2.60m, and tert-butylbenzene in WS32 at 2.40m and 2.60m bgl.

A summary of the VOC compounds above the laboratory detection limit are listed below.

Table 1 – VOC Compounds Above the Laboratory Detection Limit

Contaminant	Detection Limit (µg/kg)	Hole ID	Depth (m bgl)	Stratum	Concentration (µg/kg)
Isopropylbenzne	1	WS31	2.5	River Terrace Deposits	3
		WS32	2.4	River Terrace Deposits	3
		WS32	2.6	Completely Weathered Chalk	10
N-propylbenzene	1	WS31	2.5	River Terrace Deposits	9
		WS32	2.4	River Terrace Deposits	8
		WS32	2.6	Completely Weathered Chalk	23
Tert-butylbenzene	2	WS32	2.4	River Terrace Deposits	5
		WS32	2.6	Completely Weathered Chalk	5
124-trimethylbenzene	1	WS31	2.5	River Terrace Deposits	19
		WS32	2.4	River Terrace Deposits	13
		WS32	2.6	Completely Weathered Chalk	33
sec-butylbenzene	1	WS31	2.5	River Terrace Deposits	23
		WS32	2.4	River Terrace Deposits	32
		WS32	2.6	Completely Weathered Chalk	61
n-butylbenzene	1	WS31	2.5	River Terrace Deposits	43
		WS32	2.4	River Terrace Deposits	54
		WS32	2.6	Completely Weathered Chalk	194

PCB compounds were not recorded at concentrations above their laboratory detection limit.

Total organic carbon (TOC) concentrations ranged from 0.05% w/w to 0.63% w/w.

Aliphatic and aromatic TPH compounds in the C8 to C16 range were recorded at concentrations in excess of their saturation limits in soils samples collected from boreholes WS20 at 2.5m, WS21 at 2.70m, WS31 at 2.50m

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and 2.70m, WS32 at 2.40m and 2.60m bgl and WS32 at 2.40m bgl. These are considered to pose a potential risk to groundwater beneath the site.

A summary of the TPH compounds above the solubility saturation limit are listed below.

Table 2 – TPH Compounds Above Solubility Saturation Limits

Contaminant	Saturation Limit (mg/kg)	Hole ID	Depth (m bgl)	Stratum	Concentration (mg/kg)
Aliphatic C8 – C10	78	WS32	2.4	River Terrace Deposits	96
Aliphatic C10 – C12	48	WS21	2.7	Completely Weathered Chalk	97
		WS31	2.5	River Terrace Deposits	97
		WS31	2.7	Completely Weathered Chalk	80
		WS32	2.4	River Terrace Deposits	382
		WS32	2.6	Completely Weathered Chalk	75
Aliphatic C12 – C16	24	WS20	2.5	River Terrace Deposits	316
		WS21	2.7	Completely Weathered Chalk	273
		WS31	2.5	River Terrace Deposits	465
		WS31	2.7	Completely Weathered Chalk	276
		WS32	2.4	River Terrace Deposits	1370
		WS32	2.6	Completely Weathered Chalk	294
Aromatic C12 – C16	169	WS21	2.7	Completely Weathered Chalk	243
		WS31	2.5	River Terrace Deposits	300
		WS31	2.7	Completely Weathered Chalk	205
		WS32	2.4	River Terrace Deposits	998
		WS32	2.6	Completely Weathered Chalk	175

4.4 Groundwater Inorganic Contamination

Six groundwater samples (four from the superficial aquifer and two from the underlying bedrock aquifer) were submitted for chemical testing for inorganic determinants.

No elevated concentrations of the determinands tested were recorded in excess of the relevant WSVs with the exception of lead and nickel within the superficial aquifer in WS20. The concentration recorded for lead was 106 µg/l compared to the WSV of 10 µg/l. The concentration recorded for nickel was 61 µg/l compared to the WSV of 20 µg/l.

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It is noteworthy that while the concentration of nickel exceeded the WSV presented within The Water Supply (Water Quality) Regulations 2018, it fell below the WSV of 70 µg/l presented within the WHO Guidelines for Drinking Water Quality.

4.5 Groundwater Organic Contamination

Seven groundwater samples (five from the superficial aquifer and two from the underlying bedrock aquifer) were tested for the presence of organic determinands. Five were tested for speciated PAH, six were tested for speciated TPH, five were tested for SVOC and VOC.

Three samples tested for PAH recorded concentrations of total PAH marginally in excess of the WSV of 0.1 µg/l. A summary of the total TPH concentrations recorded is provided below.

Table 3 – PAH Compounds Above WSVs

Contaminant	WSV (µg/l)	Hole ID	Depth (m bgl)	Concentration (µg/l)
Total PAH	0.1	WS9	0.9	0.95
		WS20	3.0	0.23
		BH5	4.5	0.12

Aliphatic and aromatic TPH compounds in the C8 to C35 range were recorded at concentrations in excess of their laboratory detection limits in water samples collected from boreholes WS9, WS14, WS20 and BH5. A summary of the total TPH concentrations recorded are provided below.

Table 4 – TPH Compounds Above the Laboratory Detection Limit

Contaminant	Detection Limit (µg/l)	Hole ID	Depth (m bgl)	Concentration (µg/l)
Total TPH	10	WS9	0.9	78
		WS14	3.0	190
		WS20	2.5	74
		BH5	4.5	282

The concentrations of the compounds summarised above are not considered to be significantly elevated.

No concentrations of the SVOC or VOC determinands tested were recorded in excess of the relevant WSV or the laboratory detection limit.

Dissolved organic carbon (DOC) concentrations were recorded ranging from 9.8 mg/l to 24.7 mg/l.

5.0 Contamination Assessment

5.1 General

Based on the information obtained during the ground investigation and laboratory testing, the 'Conceptual Site Model' has been amended accordingly. The Conceptual Site Model is used as a basis to identify contamination sources, pathways and receptors and is subject to constant refinement as more information becomes available.

5.2 Environmental Setting & End Use

The ground investigation has identified up to 1.70m of Made Ground. The Made Ground was found to comprise 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.0m bgl. This was followed by weathered layers of

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the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl.

Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

The information gathered during the intrusive investigations have not altered significantly from the Preliminary Risk Assessment carried out as part of the previous study. The superficial strata, classified as s Secondary A Aquifer and the underlying bedrock, classified as a Principal Aquifer remain the preliminary receptors of concern. As such, the environmental setting remains of 'moderate' sensitivity.

5.3 Revised Conceptual Site Model

The "suitable for use" approach is adopted for the assessment of contaminated land and remedial measures are only undertaken where unacceptable risk exists to human health or the environment. For a potential risk to be present there must be a viable pollutant linkage whereby a contamination source may impact upon a receptor.

Although contaminants of concern were recorded in groundwater sampled from beneath the site, concentrations were only marginally elevated above adopted assessment criteria. Furthermore, the site is not located within a groundwater SPZ and the nearest potable abstraction is indicated to be approximately 460m to the north.

TPH compounds were recorded in Made Ground and natural strata at concentrations in excess of their solubility limits in two hotspots in the positions of boreholes WS2 and WS19 to WS23, located in the west of the site and in the positions of boreholes WS5, WS29, WS31 and WS32, located in the southwest. The excavation and off-site disposal of TPH contaminated soils in these locations (including any impacted soils beneath tank bases in the southwest) will lead to the betterment of groundwater quality beneath the site. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected from the walls and base of the resulting excavations for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

A number of VOC and SVOC compounds were also recorded within samples collected from the natural strata in the hotspot locations discussed above. No published assessment criteria for these contaminants, protective of human health receptors, are currently available. However, it is considered that the removal of hydrocarbon impacted soils in these hotspots will effectively mitigate any potential risk to future site users.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

5.3.1 Summary of Remediation Recommendations

The mitigation measures discussed above should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

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In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).
- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

6.0 Waste Characterisation

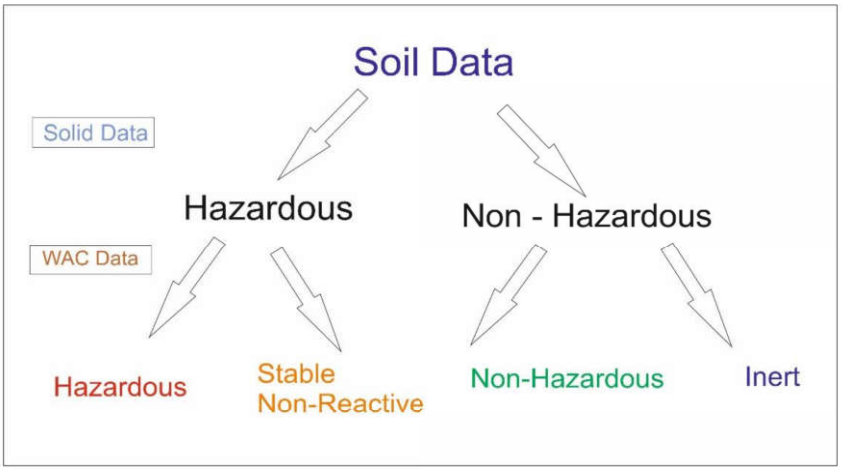
6.1 Assessment Criteria

It is likely that soil arisings generated through piling or any other excavation associated with the development will require removal from site, since there is limited potential for on-site re-use of this material. Should no suitable off site re-use options be available, disposal to landfill may need to be considered. However, if contaminated material is to be disposed of, use of soil treatment facilities should also be considered.

If disposal to landfill is required, the excavated material would be considered as waste and should be classified in line with the Hazardous Waste Directive - HWD, Council Directive 91/689/EC. This legislation divides waste into two categories, hazardous and non-hazardous. These two categories can then be subdivided into a number of classes relating to the type of landfill/cell to which the material can be sent; these are illustrated below.

In order to provide an indication of the likely waste characterisation of soils excavated from the site, should disposal be required, a waste characterisation exercise has been carried out. This is summarised in Sections 6.2 to 6.5 below. Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

6.1.1 Waste Characterisation Categories



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6.2 Soil Sampling and Testing

6.2.1 Solid Suite of Analysis

Chemical analysis was undertaken on 16 samples of Made Ground and 29 samples of natural soils. Soil samples were analysed for the following solid suite of analysis:

pH, arsenic, asbestos, boron, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, sulphide, sulphate, cyanide and PAH.

6.2.2 WAC Testing

Two samples of the natural soils were also submitted for the solid WAC suite of analysis.

The solid WAC suite of analysis included testing for the following determinands:

Total organic carbon (TOC), loss on ignition (LOI), BTEX, sum of PCBs, mineral oil and total PAH, acid neutralisation capacity and pH.

WAC single stage leachate analysis was also carried out on the above samples. The analysis included testing for the following determinands:

Arsenic, barium, cadmium, chromium, copper, mercury, molybdenum, nickel, lead, antimony, selenium, zinc, chloride, fluoride, sulphate, total dissolved solids (TDS), phenol index and dissolved organic carbon.

All soil analysis and WAC results are provided in Appendix III.

6.3 Solid Soil Data

Results of the solid suite were analysed using HazWasteOnline Software which allows users to classify waste as defined in the EWC (European Waste Catalogue 2002) based on the regulatory framework for the Classification Labelling and Packaging of Substances and mixtures Regulation, (EC) No 172/2008 and the latest Environment Agency guidance (Technical Guidance WM3).

The results of the analysis show that seven of the samples of the natural soils analysed would require disposal as hazardous waste (from boreholes WS01, WS04, WS21, WS31 and WS32), due to elevated concentrations of total petroleum hydrocarbons (TPH). The remaining 16 samples of Made Ground and 22 samples of the natural soils would be suitable for disposal as non-hazardous waste.

6.4 WAC Data

6.4.1 Solid Data

Two samples of the natural soils (WS24 at 1.30m bgl and WS29 at 0.80m bgl) were subject to the WAC solid suite of analysis.

Inert Waste thresholds were not exceeded in either sample.

6.4.2 Leachate Data

The samples of natural soil were also subject to the WAC leachate suite of analysis.

The sample from borehole WS24 exceeded the Inert Waste threshold for sulphate.

The sample from borehole WS29 exceeded the Inert Waste thresholds for lead and sulphate.

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6.5 Summary of Results

The results of the waste characterisation exercise are provided in Appendix IV and summarised in the table below.

Table 5 – Summary of Waste Characterisation Exercise

Position	Depth (m bgl)	Strata	Solid Suite of Analysis	Exceedance of Corresponding Inert, SNRHW and Hazardous waste WAC Limit Value?	WAC Analysis Results
BH01	0.60	Made Ground	**Non-Hazardous**	N/A	N/A
BH03	1.00	Made Ground	**Non-Hazardous**	N/A	N/A
BH04	1.10	Made Ground	**Non-Hazardous**	N/A	N/A
WS01	1.60	Natural Soils	**Hazardous**	N/A	N/A
WS02	1.10	Made Ground	**Non-Hazardous**	N/A	N/A
WS02	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS03	0.25	Made Ground	**Non-Hazardous**	N/A	N/A
WS04	1.80	Natural Soils	**Hazardous**	N/A	N/A
WS05	2.60	Natural Soils	**Non-Hazardous**	N/A	N/A
WS05	3.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS06	0.80	Made Ground	**Non-Hazardous**	N/A	N/A
WS07	1.40	Made Ground	**Non-Hazardous**	N/A	N/A
WS09	0.35	Made Ground	**Non-Hazardous**	N/A	N/A
WS09	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS10	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS11	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS14	0.90	Made Ground	**Non-Hazardous**	N/A	N/A
WS14	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS16	0.95	Made Ground	**Non-Hazardous**	N/A	N/A
WS18	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS20	0.40	Made Ground	**Non-Hazardous**	N/A	N/A
WS20	0.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS20	1.90	Natural Soils	**Non-Hazardous**	N/A	N/A
WS21	1.30	Natural Soils	**Hazardous**	N/A	N/A
WS21	2.70	Natural Soils	**Non-Hazardous**	N/A	N/A
WS23	1.00	Natural Soils	**Non-Hazardous**	N/A	N/A
WS24	1.30	Natural Soils	**Non-Hazardous**	Sulphate	**Non-Hazardous**
WS24	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS25	0.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS25	1.70	Natural Soils	**Non-Hazardous**	N/A	N/A
WS26	1.50	Natural Soils	**Non-Hazardous**	N/A	N/A
WS26	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A
WS27	0.80	Natural Soils	**Non-Hazardous**	N/A	N/A
WS28	2.30	Natural Soils	**Non-Hazardous**	N/A	N/A

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WS29	0.80	Natural Soils	**Non-Hazardous**	Lead, sulphate	**Non-Hazardous**
WS29	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
WS30	1.00	Natural Soils	**Hazardous**	N/A	N/A
WS31	2.50	Natural Soils	**Hazardous**	N/A	N/A
WS31	2.70	Natural Soils	**Hazardous**	N/A	N/A
WS32	2.60	Natural Soils	**Hazardous**	N/A	N/A
WS32	2.40	Natural Soils	**Non-Hazardous**	N/A	N/A
HTP1	0.50	Made Ground	**Non-Hazardous**	N/A	N/A
HTP3	0.40	Made Ground	**Non-Hazardous**	N/A	N/A
SA01	0.60	Made Ground	**Non-Hazardous**	N/A	N/A
SA02	0.70	Made Ground	**Non-Hazardous**	N/A	N/A

N/A – Additional WAC analysis not carried out on sample

Based on available information, it is considered likely that the majority of Made Ground and natural soils beneath the site would be suitable for disposal as Non-Hazardous Waste. Natural soils impacted by localised TPH contamination in the vicinity of boreholes WS01, WS04, WS21, WS31 and WS32 would require disposal to a Hazardous Waste landfill (if they needed to be removed from site).

Any material sent to landfill should be accompanied by the appropriate duty of care documentation and the chemical data should be forwarded to the accepting landfill for approval prior to removal of the soil from site.

7.0 Geotechnical Assessment

7.1 General

It should be noted that this Section does not comprise or represent a Geotechnical Design Report (GDR) but instead provides preliminary information and recommendations based on the findings of the ground investigation.

The geotechnical section of the ground investigation was designed in general accordance with guidance presented in BS EN 1997-2:2007. The objective of the investigation was to obtain preliminary information in order to assess the geotechnical properties of the ground and confirm provided recommendations for foundation and infrastructure design.

All depths here are recorded as depth below ground level.

7.2 In-Situ Geotechnical Testing

In-situ standard penetration tests (SPTs) were carried out during window sample and cable percussion drilling at approximately 1.00m to 1.50m intervals in order to allow the assessment of ground conditions by establishing soil strength/density characteristics.

The SPTs carried out within the Made Ground recorded ‘N’ values of 6 and 12 indicating these to be in a loose to medium dense condition.

SPTs carried out within the shallow natural strata (River Terrace Deposits / Brickearth) ranged from 7 to in excess of 50. SPT ‘N’ values within the shallow natural strata (completely weathered chalk bedrock) ranged from 0 to in excess of 50 indicating both these soils to be in a very variable condition. In general, the SPT ‘N’ values in excess of 50 were encountered within bands with a higher flint gravel content.

SPTs carried out in the chalk bedrock between 6.00m and 16.50m bgl recorded ‘N’ values ranging from 7 to 19. The SPT ‘N’ values from 18.0m to 19.5m were >50.

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In accordance with CIRIA C574 'Engineering in Chalk', the SPT 'N' values indicate that the base of weathering within the chalk bedrock is 18.0m bgl.

The above records do not differ significantly from those encountered during previous investigations.

7.3 Waste Management

Arisings generated from excavations for foundations and service trenches etc. may be classified as waste and it is the responsibility of the holder of such material to form a view as to whether or not it constitutes waste.

Guidance on how this can be achieved is set out in the Development Industry Code of Practice (CoP) (CL:AIRE, March 2011).

The handling, re-use or disposal of waste materials is regulated by the Environment Agency, who take account of the CoP in determining if materials are classified as waste. If materials are dealt with in accordance with the CoP it is considered that they are unlikely to be waste at the point when they are used during development. This might be because the materials were never discarded or because they have been processed as part of a 'recovery' operation and therefore ceased to be waste.

Should site won material be intended for re-use on site, a Materials Management Plan will be required from a suitably qualified environmental consultant.

Reference should be made to the Waste Assessment Reports undertaken for the site as summarised in section 6.0 above.

8.0 Conclusions and Recommendations

The site has been found to be underlain by Made Ground comprising 'topsoil' or tarmac underlain by granular fill type materials or reworked natural materials followed by natural strata comprising River Terrace Deposits or Brickearth to 4.00m bgl. This was followed by weathered layers of the chalk bedrock to 6.00m bgl. This was further underlain by chalk bedrock, proven to a maximum depth of 19.85m bgl.

Groundwater was encountered within the superficial deposits at depths ranging from 2.10m to 2.80m bgl rising to between 2.00m and 2.50m bgl. Groundwater was encountered within the chalk bedrock at depths of 5.80m and 6.00m bgl rising to 3.50m bgl.

Although contaminants of concern were recorded in groundwater sampled from beneath the site, concentrations were only marginally elevated above adopted assessment criteria. Furthermore, the site is not located within a groundwater SPZ and the nearest potable abstraction is indicated to be approximately 460m to the north.

TPH compounds were recorded in the soils underlying the site at concentrations in excess of their solubility limits in two hotspots in the positions of boreholes WS2 and WS19 to WS23, located in the west of the site and in the positions of boreholes WS5, WS29, WS31 and WS32, located in the southwest. The excavation and off-site disposal of TPH contaminated soils in these locations (including any impacted soils beneath tank bases in the southwest) will lead to the betterment of groundwater quality beneath the site. Excavation works should take place under the supervision of a qualified geo-environmental consultant. Soil samples should be collected from the walls and base of the resulting excavations for chemical laboratory analysis to confirm that remaining contaminant concentrations in soils are at acceptable levels.

No significant soil based source of PAH contamination in groundwater was identified beneath the site. It is considered that this is representative of either an off-site source, or an on site source not identified during intrusive investigation works undertaken to date. A contamination watching brief by a qualified geo-environmental consultant is therefore recommended during the groundworks phase of the proposed

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development on site. If visual or olfactory evidence of contamination is encountered during development, outside those identified during this study, the consultant would collect additional samples for further assessment into the potential risk these soils pose to groundwater. Guidance would then be given regarding the treatment / disposal of contaminated soils off-site.

A number of VOC and SVOC compounds were also recorded within samples collected from the Made Ground in the hotspot locations discussed above. No published assessment criteria for these contaminants, protective of human health receptors, are currently available. However, it is considered that the removal of hydrocarbon impacted soils in these hotspots will effectively mitigate any potential risk to future site users.

Other contaminants were not recorded at concentrations considered to represent a significant risk to human health.

The mitigation measures discussed above should be incorporated into a Remediation Method Statement and submitted to the Local Authority and Environment Agency for approval.

It should be noted that the reuse of soil arisings on site should be handled under a Materials Management Plan (MMP) in line with the CL:AIRE Code of Practice, or under an Environmental Permit, where required by the Environment Agency.

In summary, the following works are recommended to mitigate the potential risks posed by contamination recorded beneath the site:

- Provision of a Remediation Method Statement (RMS).
- Provision of a Material Management Plan (MMP) if site won soils are proposed for re-use on-site.
- Excavation and removal of identified contamination hotspots in the vicinity of boreholes WS2 and WS5.
- Inspection and verification of excavation works by a qualified geo-environmental consultant.
- Provision of resident engineer / geo-environmental consultant to carry out a watching brief for previously unidentified soil contamination during the groundworks phase of the proposed development.
- Collection and laboratory analysis of soil samples from finished formation level across the site to verify that residual contaminant concentrations are below assessment criteria protective of future commercial site users.
- Provision of a Verification Report to assist with discharge of planning conditions relating to contaminated land.

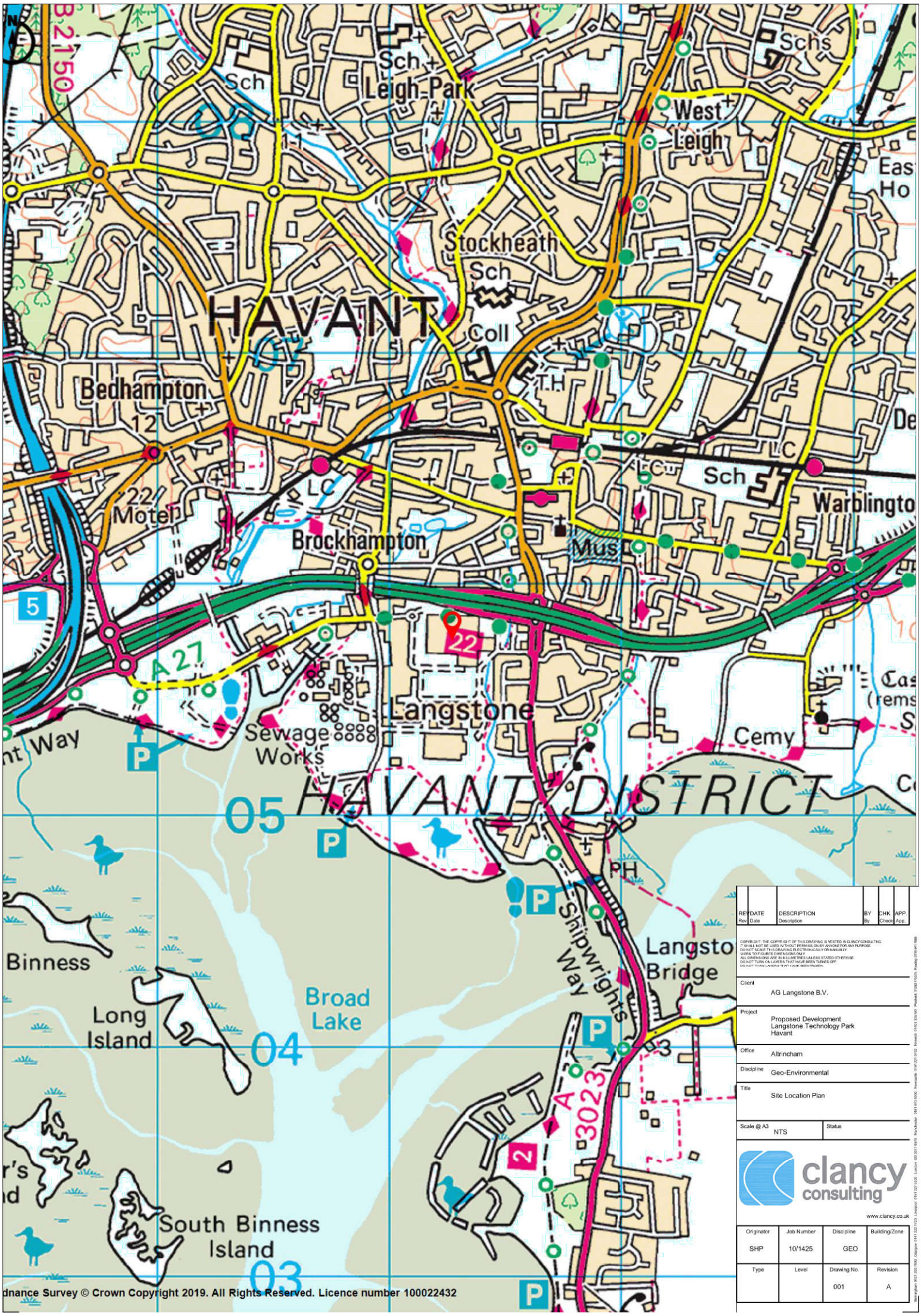
We would recommend that this report be submitted to the LPA at the earliest opportunity to seek their approval or further comments regarding the recommendations presented herein.

The above conclusions and recommendations are based on the sites proposed development comprising new commercial units with associated car parking and landscaped areas. Should the proposed end use change it will be necessary to amend the conclusions accordingly. The report also assumed that the final site levels will not be significantly altered.

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APPENDIX I

DRAWINGS



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Rev	Date	Description	By	Chk	App

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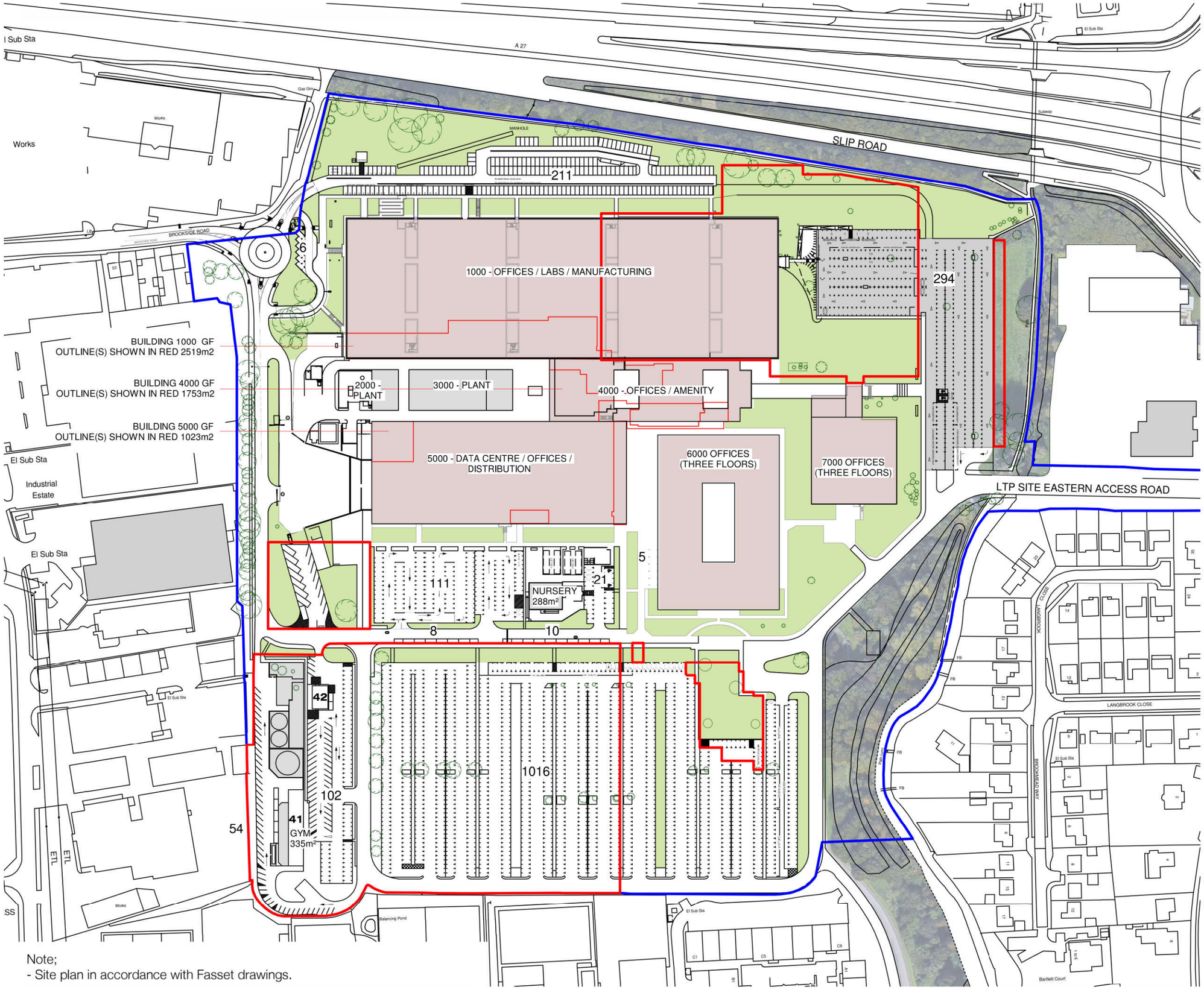
Client	AG Langstone B.V.
Project	Proposed Development Langstone Technology Park Havant
Office	Altrincham
Discipline	Geo-Environmental
Title	Site Location Plan
Scale @ A3	NTS
Status	

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Originator	Job Number	Discipline	Building/Zone
SHP	10/1425	GEO	
Type	**Level**	**Drawing No.**	**Revision**
		001	A

Birmingham 0121 200 2600 Glasgow 0141 222 2720 Liverpool 0151 227 5500 London 020 3077 0870 Manchester 0161 615 8000 Newcastle 0191 272 3132 Norwich 01603 330581 Prestwich 01204 470470 Reading 0118 947 7686



Note;
- Site plan in accordance with Fasset drawings.

Notes

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Always refer to figured dimensions. All dimensions are to be checked on site. Discrepancies and/or ambiguities between this drawing and information given elsewhere must be reported immediately to this office for clarification before proceeding. All drawings are to be read in conjunction with the specification and all works to be carried out in accordance with latest British Standards / Codes of Practice.

Rev	Date	Init	Notes
F	27.06.19	CJ	Redline updated to coordinate with topo
E	14.05.19	CJ	Application Area Updated

North

20 0 20 40 60 80 100

SCALE 1:2000 m

Client

Drawing Originator

AWW inspired environments

London - 106 Weston Street London SE1 3QB 020 7160 6000
Bristol - Rivergate House, Bristol, BS1 6LS 0117 923 2535
Plymouth - East Quay House, Plymouth, PL4 0HX 01752 261 282

RIBA Chartered Practice www.aww-uk.com

Project Title

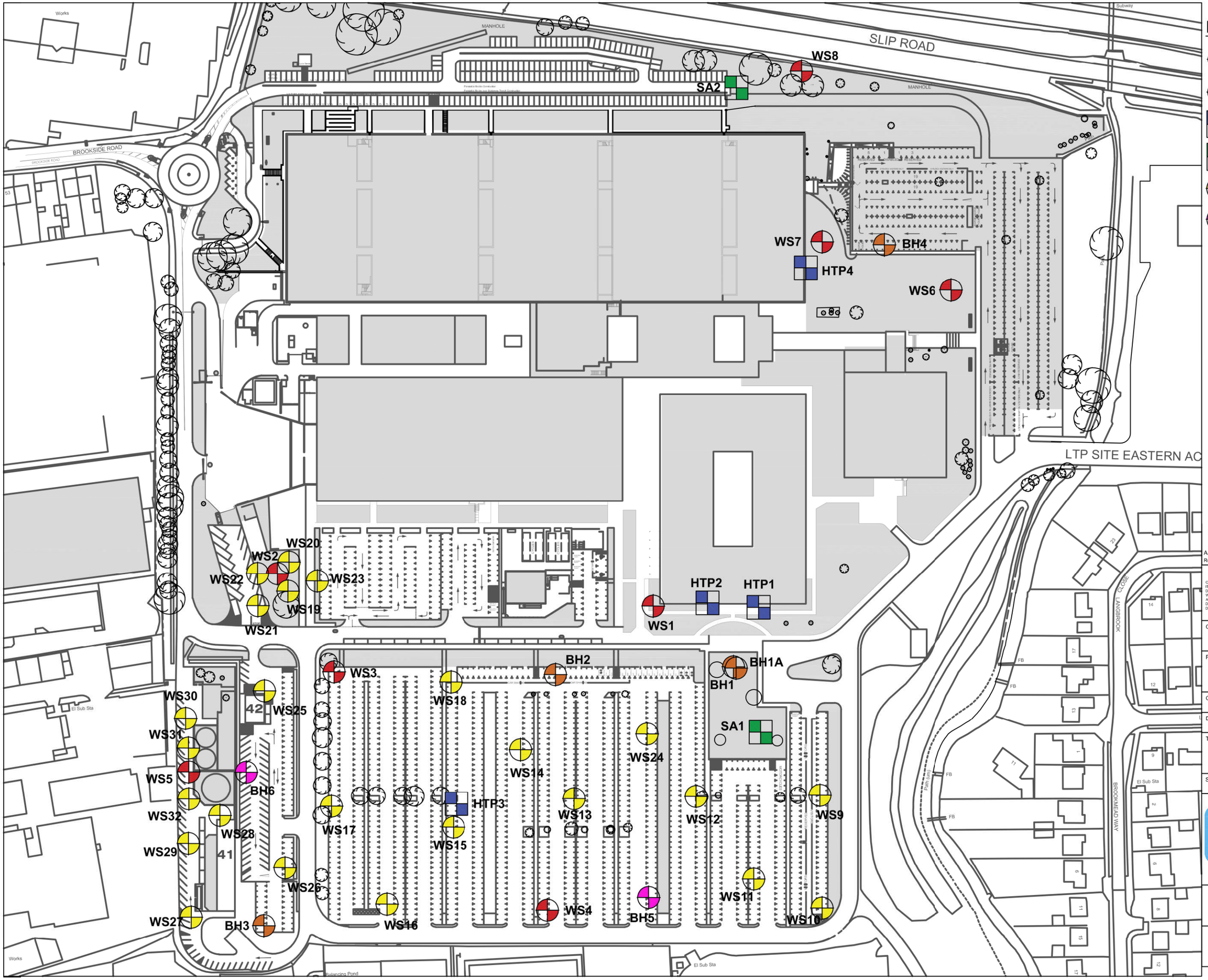
Langstone Technology Park

Drawing Title

Existing Site Plan

Scale	Sheet	Drawn	Checked	Date
1 : 2000	A3	CJ	IJ	10.12.19

Status	Project No.	
PLANNING	4046	
Drawing Reference	Drawing No.	Revision
	0105	F



Key

- Cable Percussive Borehole (Aug 2019)
- Window Sample Borehole (Aug 2019)
- Hand Excavated Trial Pit (Aug 2019)
- Soakaway Test Trial Pit (Aug 2019)
- Window Sample Borehole (July 2020)
- Cable Percussive Borehole (July 2020)

Rev	Date	Description	By	Check	App.
A	Aug 2020	Exploratory Hole Location Plan	DH	SHP	NR

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Client	AG Langstone B.V.
Project	Langstone Technology Park Havant
Office	Altrincham
Discipline	Geo-Environmental
Title	Exploratory Hole Location Plan
Scale @ A3	NTS
Status	

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Originator	Job Number	Discipline	Building/Zone
DH	10/1425	GEO	-
Type	**Level**	**Drawing No.**	**Revision**
GA	00	02	B

APPENDIX II

EXPLORATORY HOLE LOGS

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH5**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 3
	GL (mAOD):	N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
					0.60	MADE GROUND: Brownish grey gravelly sand. Gravel is sub-angular fine to coarse of macadam, brick, flint and sandstone.		
1.20 - 1.65	SPT	N=7			1.00	Loose brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint. With a low cobble content of flint.		
2.00 - 2.45	SPT	N=12			2.00		▼	
3.00 - 3.45	SPT	N=14			3.00		▼	
4.00 - 4.45	SPT	N=8			4.00	Grey gravelly clayey SILT. Gravel is sub-rounded fine to coarse of chalk.		
5.00 - 5.45	SPT	N=12			5.00			
					5.30	Firm brown gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
					5.80		▽	
6.00 - 6.45	SPT	N=8			6.00	CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					7.00			
7.50 - 7.95	SPT	N=7			8.00	Borehole Continues		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		BH5
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 2 Of 3
	GL (mAOD):	N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
9.00 - 9.45	SPT	N=14			9.00	CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
10.50 - 10.95	SPT	N=10			10.00			
12.00 - 12.45	SPT	N=12			11.00			
13.50 - 13.95	SPT	N=11			12.00			
15.00 - 15.45	SPT	N=11			13.00			
					14.00			
					15.00			
					16.00	Borehole Continues		

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH5**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 3 Of 3
	GL (mAOD):	N Coord: 50.844654	E Coord: -0.988681
Date: 27/07/2020-29/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
16.50 - 16.95	SPT	N=19			16.50	CHALK recovered as greyish white mottled yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					17.00	CHALK recovered as whitish cream silty sub-angular fine to medium GRAVEL of chalk.		
18.00 - 18.43	SPT	pp 50/280mm			18.00			
					19.00			
19.50 - 19.87	SPT	pp 50/215mm			19.87			
					20.00	End Of Borehole At 19.87 m		
					21.00			
					22.00			
					23.00			
					24.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	5.8	3.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH6**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 2
	GL (mAOD):	N Coord: 50.845156	E Coord: -0.991243
Date: 29/07/2020-30/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
					0.60	MADE GROUND: Brownish grey gravelly sand. Gravel is sub-angular fine to coarse of macadam, brick, flint and sandstone.		
					1.00	Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint. With a low cobble content of flint.		
					2.00			
					3.00			
					4.00	Grey gravelly clayey SILT. Gravel is sub-rounded fine to coarse of chalk.		
					5.00			
					6.00	CHALK recovered as yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					7.00			
					8.00	Borehole Continues		

KEY

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C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	6	5.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**BH6**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 2 Of 2
	GL (mAOD):	N Coord: 50.845156	E Coord: -0.991243
Date: 29/07/2020-30/07/2020	Method: Cable Percussion	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					9.00	CHALK recovered as yellowish cream gravelly SILT. Gravel is sub-angular fine to medium of chalk.		
					10.00	End Of Borehole At 10.00 m		
					11.00			
					12.00			
					13.00			
					14.00			
					15.00			
					16.00			

KEY

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C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2	2.00		1.50	
29/07/2020	6	5.50		4.50	

Daily Log Of Depths

Date	Casing	Water

Chiselling

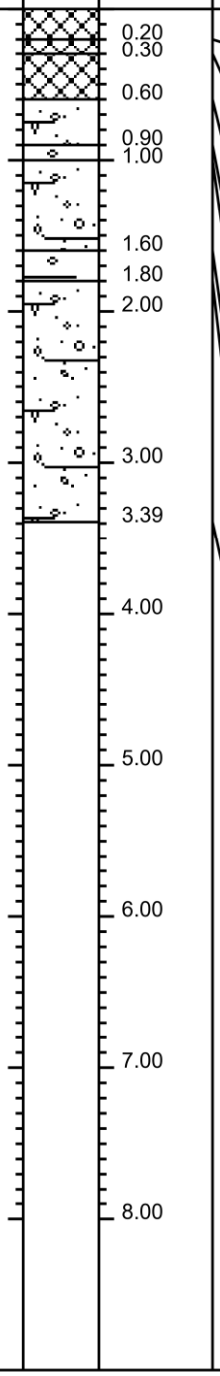
From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

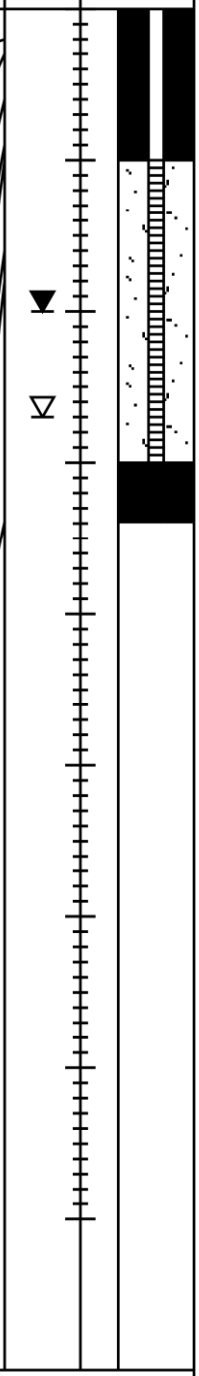
Project Title: Langstone Technology Park, Havant		**WS09**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845208	E Coord: -0.98754
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result
0.35	ES	
0.70	ES	
1.20 - 1.65	SPT	N=22
1.70	ES	
2.00 - 2.45	SPT	N=30
2.30	ES	
2.70	ES	
3.00 - 3.39	SPT	pp 50/240mm



Depth (m)	Description
0.20	MADE GROUND: Macadam.
0.30	MADE GROUND: Black mottled grey sub-angular medium to coarse gravel of macadam, sandstone and limestone.
0.60	MADE GROUND: Reddish brown gravelly slightly clayey fine to coarse sand. Gravel is sub-angular fine to coarse of brick, clinker and macadam.
0.90	Dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.
1.00	Firm brown slightly gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.
1.60	Medium dense dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.
1.80	Firm brown slightly gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.
2.00	medium dense dark brown mottled cream slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.
3.00	End Of Borehole At 3.39 m
3.39	
4.00	
5.00	
6.00	
7.00	
8.00	

Water



Standpipe

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
27/07/2020	2.7	2.00	30		

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS10**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.844605	E Coord: -0.987763
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES				0.15	MADE GROUND: Macadam		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
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W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		WS11
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.844837	E Coord: -0.988023
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.15	MADE GROUND: Macadam		
					0.40	MADE GROUND: Reddish brown gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone and brick.		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.51	SPT	pp 50/160mm			1.51	End Of Borehole At 1.51 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		WS12
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845083	E Coord: -0.988321
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling
		Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.15	MADE GROUND: Macadam		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.59	SPT	pp 50/235mm			1.59	End Of Borehole At 1.59 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS13**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.845132	E Coord: -0.989115
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES				0.15	MADE GROUND: Macadam		
0.70	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		WS14
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845383	E Coord: -0.989391
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
0.40	ES					MADE GROUND: Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint with a low cobble content of flint.		
0.90	ES				1.00			
1.20 - 1.65	SPT	N=6			1.10	MADE GROUND: Brown organic slightly gravelly clayey fine to coarse sand. Gravel is sub-angular fine to coarse of brick and flint.		
1.40	ES				1.50			
					1.70	MADE GROUND: Grey slightly sandy gravelly clay. Gravel is sub-angular fine to coarse of flint and brick fragments.		
2.00 - 2.45	SPT	N=5			2.00			
2.10	ES					Firm orangish brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.40	ES				2.60			
						Soft dark greyish brown gravelly loamy slightly sandy CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk. With decaying roots and rootlets (relic topsoil).		
3.00 - 3.45	SPT	N=11			3.00			
3.10	ES				3.60	Loose light grey mottled cream gravelly sandy SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
4.00 - 4.38	SPT	pp 50/230mm			4.00	3.00 - 3.60 Grading to a silty sand.		
					4.38	Very dense light grey mottled cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.		
					5.00	End Of Borehole At 4.38 m		
					6.00			
					7.00			
					8.00			

KEY

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C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
28/07/2020	2.1	2.00			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant			WS15
Project Number: 10/1425	Client: AG Langstone B.V.		Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845107		E Coord: -0.989925
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.15	MADE GROUND: Macadam		
0.80	ES					Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.00			
					1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS16**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.844746	E Coord: -0.990435
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES				0.15	MADE GROUND: Macadam		
					0.60	MADE GROUND: Brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint.		
0.95	ES				1.00	Dense becoming very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.65	SPT	N=45			2.00			
1.70 - 2.08	SPT	pp 50/230mm			2.08	End Of Borehole At 2.08 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS17**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.845164	E Coord: -0.990687
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.50	ES				0.15	MADE GROUND: Macadam		
					0.60	MADE GROUND: Brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint.		
1.10	ES				1.00			
1.20 - 1.58	SPT	pp 50/230mm			1.58	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
					2.00	End Of Borehole At 1.58 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS18**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.845659	E Coord: -0.989957
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam		
0.60	ES				0.70	Orangish brown sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.10	ES				1.00	Loose brown sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.20 - 1.65	SPT	N=11			1.30	Firm becomign very soft brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.70	ES				2.00			
2.00 - 2.45	SPT	N=0			2.20	Very loose cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk (very few returns).		
2.30	ES				3.00			
3.00 - 3.45	SPT	N=6			3.45	End Of Borehole At 3.45 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

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B - Bulk Sample
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W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.20m bgl.
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
28/07/2020	2.2	2.00			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS19**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.846027	E Coord: -0.990892
Date: 28/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES					MADE GROUND: Grass over brown sandy slightly clayey sub-angular to sub-rounded fine to coarse gravel of flint with fragments of brick. Common roots and rootlets.		
0.90	ES				0.80			
1.20 - 1.65	SPT	N=15			1.00	Firm dark brown mottled black sandy silty CLAY with olfactory evidence of hydrocarbons.		
1.70	ES							
2.00 - 2.45	SPT	N=20			2.00			
2.30	ES				2.10	Firm brown very gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.	▼	
2.80	ES				2.80		▽	
2.90	ES							
3.00 - 3.45	SPT	N=13			3.00	Loose yellowish brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint (Few returns).		
4.00 - 4.45	SPT	N=7			4.00			
					4.45	End Of Borehole At 4.45 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.80m bgl. Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
29/07/2020	2.8	2.50			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS20**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.84617	E Coord: -0.990908
Date: 29/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.50	ES				0.80	MADE GROUND: Grass over brown sandy slightly clayey sub-angular to sub-rounded fine to coarse gravel of flint with fragments of brick.		
0.90	ES				1.00	Firm grey gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk. Olfactory evidence of hydrocarbon contamination		
1.20 - 1.65	SPT	N=9			1.70			
1.30	ES							
1.90	ES				2.00	Firm brown gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk.		
2.00 - 2.45	SPT	N=1						
2.40	ES							
3.00 - 3.45	SPT	N=8			3.00			
4.00 - 4.45	SPT	N=11			4.00			
					4.45	End Of Borehole At 4.45 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.40m bgl. Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
29/07/2020	2.4	2.10			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		WS21
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845989	E Coord: -0.991069
Date: 29/07/2020	Method: Window Sampler	Driller: WB Drilling
		Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.10	MADE GROUND: Macadam		
0.70	ES				0.90	MADE GROUND: Brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint.		
1.20 - 1.65	SPT	N=12			1.00	MADE GROUND: Dark brown mottled black slightly sandy gravelly clay. Gravel is sub-angular to sub-rounded fine to coarse of flint with fragments of brick. Olfactory evidence of hydrocarbon contamination. .		
1.30	ES				1.40	Firm yellowish brown sandy gravelly SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.70	ES					Sitff cream sandy gravelly SILT. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
2.00 - 2.45	SPT	N=24			2.00	2.20 - 2.40 Slight olfactory evidence of hydrocarbons.		
2.70	ES					End Of Borehole At 3.45 m		
3.00 - 3.45	SPT	N=23			3.00			
					3.45			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to collapse from 2.20m bgl.
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
05/08/2020	2.2	2.20			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		WS22
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.846169	E Coord: -0.991101
Date: 27/07/2020	Method: Window Sampler	Driller: WB Drilling
		Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.60	MADE GROUND: Grass over brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint with brick fragments.		
0.90	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant			WS23
Project Number: 10/1425	Client: AG Langstone B.V.		Sheet 1 Of 1
GL (mAOD):	N Coord: 50.846037		E Coord: -0.990712
Date: 29/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.50	ES				0.60	MADE GROUND: Grass over brown very gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse of sandstone, limestone and flint with brick fragments.		
1.00	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint with a low cobble content of sub-angular to sub-rounded flint.		
1.20 - 1.58	SPT	pp 50/230mm			1.58	End Of Borehole At 1.58 m		
					2.00			
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS24**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.84549	E Coord: -0.988609
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
0.40	ES					Medium dense brown sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
0.90	ES				1.00			
1.20 - 1.65	SPT	N=20						
1.30	ES				1.70			
1.80	ES					Firm cream slightly sandy very gravelly CLAY. Gravel is sub-angular to sub-rounded fine to medium of flint and chalk.		
2.00 - 2.45	SPT	N=11			2.00			
2.30	ES					Firm yellowish brown slightly gravelly silty CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint and chalk.		
					2.60			
3.00 - 3.45	SPT	N=11			3.00	Loose yellowish brown slightly sandy silty clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					3.45	End Of Borehole At 3.45 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to unstable sides. Borehole installed with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
06/08/2020	2				

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS25**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845607	E Coord: -0.99105
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.15	MADE GROUND: Macadam.		
0.40	ES				0.41	MADE GROUND: Brown sandy sub-angular to sub-rounded fine to coarse gravel of flint, sandstone and macadam.		
0.90	ES				1.00	Firm brown slightly sandy silty CLAY.		
1.20 - 1.65	SPT	N=41						
1.30	ES				1.50			
1.70	ES	pp 50/230mm				Firm brown slightly sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.70 - 2.08	SPT				2.00			
					2.08	End Of Borehole At 2.08 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS26**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.844913	E Coord: -0.990999
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.20	ES				0.10	MADE GROUND: Macadam.		
					0.30	MADE GROUND: Yellowish brown sandy sub-angular fine to coarse gravel of flint, sandstone and macadam.		
0.70	ES							
					1.00	Firm brown sandy silty CLAY.		
1.20 - 1.65	SPT	N=21						
1.30	ES				1.40			
1.50	ES					Firm brown gravelly sandy CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
					1.90			
2.00 - 2.45	SPT	N=16			2.00	Medium dense becoming very dense cream sandy silty sub-angular to sub-rounded fine to coarse GRAVEL of flint, chalk and shell fragments.	▼	
2.30	ES							
3.00 - 3.38	SPT	pp 50/230mm			3.00			
					3.38	End Of Borehole At 3.38 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
06/08/2020	2				

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS27**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.84471	E Coord: -0.991543
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Grass over brown slightly sandy clayey sub-angular to sub-rounded fine to coarse gravel of flint with brick fragments.		
0.80	ES				1.00	Very dense brown slightly sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.20 - 1.65	SPT	N=17			2.00			
1.70 - 2.09	SPT	pp 50/235mm			2.09	End Of Borehole At 2.09 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant			WS28
Project Number: 10/1425	Client: AG Langstone B.V.		Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845172		E Coord: -0.991498
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam.		
0.70	ES					Brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.00	ES				0.90 1.00			
1.20 - 1.65	SPT	N=11				Firm brown slightly sandy slightly silty gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.90	ES							
2.00 - 2.45	SPT	N=46			2.00 2.10			
2.30	ES					Very dense cream sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.		
2.80 - 3.11	SPT	pp 50/160mm			3.00 3.11			
						End Of Borehole At 3.11 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
30/07/2020	2.4	2.40			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		WS29
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845094	E Coord: -0.991613
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.40	ES				0.20	MADE GROUND: Macadam.		
0.80	ES				0.60	Brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
1.20 - 1.65	SPT	N=21			1.00	Firm grey mottled black slightly sandy gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
1.30	ES				1.20	0.60 - 0.90 Strong olfactory evidence of hydrocarbon contamination.		
2.00 - 2.38	SPT	pp 50/230mm			2.00	Very dense cream sandy clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint and chalk.	▼	
2.40	ES				2.90			
					3.00	End Of Borehole At 2.90 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole terminated due to SPT refusal, borehole cleared out to 2.9m bgl to facilitate instalation with a ground gas/ groundwater monitoring well.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
30/07/2020	2	2.00			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant		**WS30**
Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845528	E Coord: -0.991605
Date: 30/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam.		
					0.29	MADE GROUND: Concrete.		
					0.50	MADE GROUND: Brown gravelly fine to coarse sand. Gravel is sub-angular to sub-rounded fine to coarse gravel of sandstone, macadam with brick fragments.		
1.00	ES				1.00			
1.20 - 1.51	SPT	pp 50/165mm			1.51	Very dense brown slightly sandy slightly clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint.		
					2.00	End Of Borehole At 1.51 m		
					3.00			
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

No Groundwater Encountered
Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting	Project Title: Langstone Technology Park, Havant		**WS31**
	Project Number: 10/1425	Client: AG Langstone B.V.	Sheet 1 Of 1
	GL (mAOD):	N Coord: 50.845406	E Coord: -0.991594
Date: 31/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
0.30	ES				0.20	MADE GROUND: Macadam		
					0.40	MADE GROUND: Brown gravelly fine to coarse sand. Gravel is sub-angular fine to coarse of sandstone, macadam and brick.		
0.90	ES				1.00			
1.20 - 1.65	SPT	N=33			1.10	Brown clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint. With a low cobble content of sub-angular flint.		
1.50	ES				1.40	Firm dark greyish brown gravelly CLAY. Gravel is sub-angular to sub-rounded fine to coarse of flint.		
2.00 - 2.45	SPT	N=22			2.00			
					2.40	Firm brown slightly gravelly clay. Gravel is sub-angular to sub-rounded fine to coarse of flint.	▼	
2.50	ES				2.60			
2.70	ES					Grey sandy gravelly SILT. Gravel is sub-angular fine to coarse of flint. Strong visual and olfactory evidence of hydrocarbon contamination.		
3.00 - 3.38	SPT	pp 50/230mm			3.00			
					3.38	Very dense white sandy sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint.		
					4.00	End Of Borehole At 3.38 m		
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
31/07/2020	2.4	2.40			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

clancy consulting

Project Title: Langstone Technology Park, Havant			WS32
Project Number: 10/1425	Client: AG Langstone B.V.		Sheet 1 Of 1
GL (mAOD):	N Coord: 50.845334		E Coord: -0.991605
Date: 31/07/2020	Method: Window Sampler	Driller: WB Drilling	Logged By: DH

Depth (m)	Type	Test Result	Level	Legend	Depth (m)	Description	Water	Standpipe
					0.20	MADE GROUND: Macadam		
0.70	ES				0.90	Brown clayey sub-angular to sub-rounded fine to coarse GRAVEL of flint. With a low cobble content of sub-angular flint.		
					1.00	Firm brown sandy CLAY.		
1.20 - 1.65	SPT	N=20						
1.40	ES							
2.00 - 2.45	SPT	N=11			2.00			
					2.30			
2.40	ES				2.50	Grey sandy gravelly SILT. Gravel is sub-angular fine to coarse of flint. Strong visual and olfactory evidence of hydrocarbon contamination.		
2.60	ES							
2.80 - 3.18	SPT	pp 50/235mm			3.00			
					3.18	Very dense white sandy sub-angular to sub-rounded fine to coarse GRAVEL of chalk and flint.		
						End Of Borehole At 3.18 m		
					4.00			
					5.00			
					6.00			
					7.00			
					8.00			

KEY

D - Disturbed Sample
B - Bulk Sample
U - Undisturbed
W - Water Sample
S - Standard Penetration Test
C - Cone Penetration Test
N - Penetration Test 'N' Value
V - Hand Shear Vane kPa
▽ - Groundwater Strike
▼ - Groundwater Level

AGS

REMARKS

Borehole backfilled with arisings.

Scale: 1:50

Water Strikes

Date	Strike	Level	Minutes	Casing	Sealed
31/07/2020	2.3	2.50			

Daily Log Of Depths

Date	Casing	Water

Chiselling

From	To	Hours

Printed By GeoLogs (www.GeoLogs.com)

APPENDIX III

CHEMICAL LABORATORY

TEST RESULTS

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/06587
Issue Number: 1 **Date:** 26 August, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Daniel Hoyle
Project Name: Langstone Technology Park
Project Ref: 10/1425
Order No: 28793
Date Samples Received: 06/08/20
Date Instructions Received: 10/08/20
Date Analysis Completed: 26/08/20

Prepared by:



Sophie France
Client Service Manager

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/1	20/06587/4	20/06587/6	20/06587/9	20/06587/18	20/06587/20	20/06587/25	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS9	WS9	WS10	WS11	WS14	WS14	WS16			
Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	<0.1	43.9	28.9	16.9	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.52	-	-	-	-	7.88	-	pH	0.01	A-T-031s
Arsenic$_D$$^{M\#}$	<1	-	-	-	-	<1	-	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.0	-	-	-	-	<0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	-	-	-	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8	-	-	-	-	<0.5	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	17	-	-	-	-	6	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	-	-	-	<1	-	mg/kg	1	A-T-040s
Lead$_D$$^{M\#}$	14	-	-	-	-	6	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	-	-	-	-	2.15	-	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	18	-	-	-	-	11	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	-	-	-	1	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	41	-	-	-	-	21	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	63	-	-	-	-	20	-	mg/kg	5	A-T-024s

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Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.10	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.10	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.12	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.14	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.08	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.11	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	0.91	<0.08	<0.08	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

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Client Sample ID	WS9	WS9	WS10	WS11	WS14	WS14	WS16			
Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
SVOC										
Hexachlorobenzene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	<500	<500	<500	-	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	<500	<500	<500	-	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s

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Client Sample No										
Client Sample ID	WS9	WS9	WS10	WS11	WS14	WS14	WS16			
Depth to Top	0.35	2.30	0.90	0.90	0.90	2.40	0.95			
Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
Hexachlorocyclopentadiene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	-	<100	<100	<100	-	<100	<100	µg/kg	100	A-T-052s

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Client Sample No										
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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
VOC										
Dichlorodifluoromethane$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	-	<10	<10	<10	-	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	-	<5	<5	<5	-	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A$#	-	<5	<5	<5	-	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A$#	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006s
Benzene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A$#	-	<10	<10	<10	-	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Toluene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A$#	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A$#	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s

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Depth To Bottom										
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Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
Chlorobenzene$_A^\#$	-	*<1*	*<1*	*<1*	-	*<1*	*<1*	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	*<1*	*<1*	*<1*	-	*<1*	*<1*	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	*<1*	*<1*	*<1*	-	*<1*	*<1*	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	*<1*	*<1*	*<1*	-	*<1*	*<1*	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	<2	<2	<2	-	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	<1	<1	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	<3	<3	<3	-	<3	<3	µg/kg	3	A-T-006s

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Depth To Bottom										
Date Sampled	27-Jul-20	27-Jul-20	27-Jul-20	27-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20			
Sample Type	Soil	Solid	Solid	Solid	Soil	Soil	Soil			
Sample Matrix Code	5A	7	7	7	5AB	5A	5A			
TPH CWG										
Ali >C5-C6$_A^{\#}$	-	<0.02	<0.02	<0.02	-	<0.02	<0.02	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	<1	1	-	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	<1	<1	3	-	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	19	2	23	-	6	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	19	2	27	-	6	2	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	<1	<1	<1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	3	<1	1	-	<1	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	10	<1	3	-	8	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	14	<1	4	-	8	<1	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	-	33	2	31	-	13	2	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
% Stones >10mm$_A$	<0.1	<0.1	6.0	20.2	0.6	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.48	-	7.71	8.72	-	8.71	-	pH	0.01	A-T-031s
Total Organic Carbon$_D$$^{M\#}$	0.19	-	-	-	-	0.12	-	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	1	-	2	<1	-	2	-	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	-	0.6	<0.5	-	0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	<1.0	<1.0	-	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	-	0.8	<0.5	-	0.6	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	4	-	19	4	-	9	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	<1	<1	-	<1	-	mg/kg	1	A-T-040s
Lead$_D$$^{M\#}$	5	-	43	2	-	6	-	mg/kg	1	A-T-024s
Mercury$_D$	2.82	-	<0.17	5.03	-	2.70	-	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	5	-	13	4	-	39	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	<1	<1	-	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	8	-	31	6	-	19	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	14	-	54	12	-	19	-	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	0.03	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	-	<0.02	<0.02	<0.02	<0.02	0.03	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.29	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.35	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	-	<0.05	<0.05	<0.05	<0.05	0.56	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	-	<0.05	<0.05	<0.05	<0.05	0.23	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	-	<0.07	<0.07	<0.07	<0.07	0.17	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	-	<0.06	<0.06	<0.06	<0.06	0.38	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	-	<0.04	<0.04	<0.04	<0.04	0.07	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	-	<0.08	<0.08	<0.08	<0.08	0.33	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	-	<0.01	<0.01	<0.01	0.02	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	<0.03	0.29	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	-	<0.03	<0.03	<0.03	0.04	0.08	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	-	<0.07	<0.07	<0.07	<0.07	0.27	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	-	<0.08	<0.08	<0.08	0.09	3.05	mg/kg	0.01	A-T-019s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Speciated PCB-WHO12										
PCB BZ 81_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 105_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 114_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ $118_A^{M\#}$	-	<0.007	-	-	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ 123_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 126_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 156_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 157_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 167_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 169_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 189_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 77_A	-	<0.005	-	-	-	-	-	mg/kg	0.005	A-T-004s
Total Speciated PCB-WHO12$_A$	-	<0.007	-	-	-	-	-	mg/kg	0.005	A-T-004s

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
SVOC										
Hexachlorobenzene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	-	-	<100	-	<500	149	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	-	-	<500	-	<2500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	-	-	<500	-	<2500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Hexachlorocyclopentadiene$_A$	<100	-	-	<100	-	<500	<100	µg/kg	100	A-T-052s
Perylene$_A$	<100	-	-	<100	-	<500	896	µg/kg	100	A-T-052s

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
VOC										
Dichlorodifluoromethane$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	-	-	<10	-	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	-	-	<5	-	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A$#	<5	-	-	<5	-	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A$#	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006s
Benzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A$#	<10	-	-	<10	-	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Toluene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A$#	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
Chlorobenzene$_A$#	*<1*	-	-	*<1*	-	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
m & p Xylene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
o-Xylene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Styrene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A$#	*<1*	-	-	*<1*	-	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A$#	*<1*	-	-	*<1*	-	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A$#	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A$#	*<1*	-	-	*<1*	-	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A$#	<1	-	-	<1	-	8	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	-	-	<2	-	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A$#	<1	-	-	<1	-	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	-	-	<3	-	<3	<3	µg/kg	3	A-T-006s

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Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/32	20/06587/38	20/06587/39	20/06587/40	20/06587/45	20/06587/49	20/06587/54	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS18	WS20	WS20	WS20	WS21	WS21	WS23			
Depth to Top	2.30	0.40	0.90	1.90	1.30	2.70	1.00			
Depth To Bottom										
Date Sampled	28-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20	29-Jul-20			
Sample Type	Solid	Solid	Soil	Solid	Soil	Solid	Solid			
Sample Matrix Code	7	7	5A	7	5ABE	7	7			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.02	-	-	<0.02	<0.02	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	-	<0.01	<0.01	0.02	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-	<1	<1	25	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	-	<1	3	97	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	-	-	<1	6	273	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	-	-	<1	4	200	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	-	-	<1	2	23	12	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	-	-	<1	15	618	12	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	-	<1	<1	16	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	-	-	<1	3	63	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	-	<1	8	243	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	-	-	<1	4	141	3	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	-	-	<1	2	18	44	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	-	-	<1	17	480	47	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	-	-	<1	32	1100	59	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
% Stones >10mm$_A$	<0.1	13.7	<0.1	28.7	40.0	<0.1	18.7	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.06	8.85	-	7.66	-	8.91	-	pH	0.01	A-T-031s
Total Organic Carbon$_D$$^{M\#}$	0.13	0.05	-	-	-	0.08	-	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	1	<1	-	<1	-	<1	-	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.8	0.6	-	0.7	-	<0.5	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	-	<1.0	-	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.7	0.6	-	0.6	-	<0.5	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	10	3	-	8	-	5	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-	<1	-	<1	-	mg/kg	1	A-T-040s
Lead$_D$$^{M\#}$	16	5	-	9	-	3	-	mg/kg	1	A-T-024s
Mercury$_D$	<0.17	3.19	-	<0.17	-	0.69	-	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	20	7	-	19	-	60	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	-	<1	-	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	35	15	-	24	-	5	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	46	21	-	34	-	6	-	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	-	<0.02	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	-	0.11	<0.04	<0.04	0.11	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	-	0.12	<0.04	<0.04	0.15	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	-	0.19	<0.05	<0.05	0.21	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	-	0.08	<0.05	<0.05	0.14	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	-	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	-	0.12	<0.06	<0.06	0.15	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	-	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	-	0.18	<0.08	<0.08	0.14	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	-	0.11	<0.03	<0.03	0.16	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	-	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	-	<0.03	<0.03	<0.03	0.06	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	-	0.16	<0.07	<0.07	0.14	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	-	1.07	<0.08	<0.08	1.26	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Speciated PCB-WHO12										
PCB BZ 81$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 105$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 114$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 118$_A^{M\#}$	-	-	<0.007	-	-	-	-	mg/kg	0.007	A-T-004s
PCB BZ 123$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 126$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 156$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 157$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 167$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 169$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 189$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
PCB BZ 77$_A$	-	-	<0.005	-	-	-	-	mg/kg	0.005	A-T-004s
Total Speciated PCB-WHO12$_A$	-	-	<0.007	-	-	-	-	mg/kg	0.005	A-T-004s

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
SVOC										
Hexachlorobenzene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	<500	-	<500	<500	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	<500	-	<500	<500	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Hexachlorocyclopentadiene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	<100	<100	-	<100	<100	<100	<100	µg/kg	100	A-T-052s

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A$#	<5	<5	-	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A$#	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A$#	<10	<10	-	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A$#	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A$#	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
Chlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	-	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	<1	-	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	<3	-	<3	<3	<3	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/57	20/06587/60	20/06587/62	20/06587/65	20/06587/70	20/06587/74	20/06587/77	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS24	WS24	WS25	WS25	WS26	WS26	WS27			
Depth to Top	1.30	2.30	0.40	1.70	1.50	2.30	0.80			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Soil			
Sample Matrix Code	7	5A	7	5AB	5AB	7	6AE			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	<1	-	-	<1	<1	9	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	<1	-	-	<1	<1	9	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	-	-	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	<1	-	-	<1	<1	2	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	<1	-	-	<1	<1	15	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	<1	-	-	<1	<1	17	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	<1	-	-	<1	<1	26	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	36.7	44.7	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.85	7.89	-	8.07	8.20	8.86	8.88	pH	0.01	A-T-031s
Total Organic Carbon$_D$$^{M\#}$	0.07	0.53	0.13	-	0.38	0.08	0.11	% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	3	-	-	61	<1	<1	<1	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	-	-	0.8	<0.5	<0.5	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	-	-	<1.0	<1.0	<1.0	1.2	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.6	-	-	1.6	<0.5	<0.5	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	7	-	-	11	7	4	5	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	-	-	<1	<1	<1	<1	mg/kg	1	A-T-040s
Lead$_D$$^{M\#}$	5	-	-	13	8	4	3	mg/kg	1	A-T-024s
Mercury$_D$	2.68	-	-	<0.17	0.22	3.69	1.83	mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	20	-	-	20	11	12	36	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	-	-	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	14	-	-	38	16	8	7	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	18	-	-	41	30	13	9	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	-	NAD	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	N/A	-	-	-	-	-			A-T-045

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	0.13	0.11	0.31	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	<0.02	0.11	0.08	0.20	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	0.07	0.12	0.14	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	0.05	<0.04	0.11	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	0.06	0.08	0.16	0.19	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	<0.06	0.09	0.16	0.17	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	<0.08	0.28	0.58	0.55	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	0.27	0.35	0.47	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	0.04	0.03	0.07	0.08	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.05	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	0.66	1.34	1.26	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	<0.07	0.27	0.48	0.55	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	0.10	2.04	3.45	4.13	mg/kg	0.01	A-T-019s

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
SVOC										
Hexachlorobenzene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Carbazole$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500	<500	<500	<500	<500	<500	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Phenol$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500	<500	<500	<500	<500	<500	<500	µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Isophorone$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Hexachlorocyclopentadiene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s
Perylene$_A$	<100	<100	<100	<100	<100	<100	<100	µg/kg	100	A-T-052s

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
VOC										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromomethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Chloroethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A$#	<1	<1	<1	<1	<1	2	1	µg/kg	1	A-T-006s
Dichloromethane$_A$	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A$#	<5	<5	<5	<5	<5	<5	<5	µg/kg	5	A-T-006s
Chloroform$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A$#	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
Benzene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Trichloroethene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromomethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A$#	<10	<10	<10	<10	<10	<10	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Toluene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Tetrachloroethene$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A$#	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A$#	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
Chlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	<1	<1	<1	<1	3	<1	10	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	<1	<1	<1	9	<1	23	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2	<2	<2	5	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1	19	<1	33	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1	23	<1	61	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	<1	<1	<1	43	<1	194	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	<2	<2	<2	<2	<2	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1	<1	<1	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	<3	<3	<3	<3	<3	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/87	20/06587/90	20/06587/92	20/06587/113	20/06587/119	20/06587/120	20/06587/123	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS28	WS29	WS29	WS30	WS31	WS31	WS32			
Depth to Top	2.30	0.80	2.40	1.00	2.50	2.70	2.60			
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20			
Sample Type	Solid	Soil	Solid	Soil	Soil	Solid	Solid			
Sample Matrix Code	7	5A	7	5ABE	5AE	7	7			
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.02	0.10	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	16	22	19	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	97	80	75	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	<1	465	276	294	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	<1	<1	<1	369	227	243	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	<1	4	1	<1	62	42	45	mg/kg	1	A-T-055s
Total Aliphatics$_A$	<1	4	1	<1	1010	646	676	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<1	<1	<1	10	12	9	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	<1	<1	<1	<1	61	60	43	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	<1	<1	<1	300	205	175	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	1	<1	<1	243	151	141	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	8	<1	4	34	22	26	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	10	<1	4	649	449	393	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	<1	13	1	4	1660	1100	1070	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
% Stones >10mm$_A$	1.2							% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.55							pH	0.01	A-T-031s
Total Organic Carbon$_D$$^{M\#}$	0.63							% w/w	0.03	A-T-032s
Arsenic$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.6							mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.1							mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5							mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	7							mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1							mg/kg	1	A-T-040s
Lead$_D$$^{M\#}$	9							mg/kg	1	A-T-024s
Mercury$_D$	2.99							mg/kg	0.17	A-T-024s
Nickel$_D$$^{M\#}$	13							mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1							mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	14							mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	25							mg/kg	5	A-T-024s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.27							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.06							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.23							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.22							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.16							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.26							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.09							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.26							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.86							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.42							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.13							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.07							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.94							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.86							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	4.83							mg/kg	0.01	A-T-019s

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
SVOC										
Hexachlorobenzene$_A$	<100							µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Dibenzofuran$_A$	<100							µg/kg	100	A-T-052s
Carbazole$_A$	<100							µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<100							µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<500							µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<100							µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<100							µg/kg	100	A-T-052s
2-Methylphenol$_A$	<100							µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<100							µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<100							µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<100							µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<100							µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	<100							µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<100							µg/kg	100	A-T-052s
Phenol$_A$	<100							µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<100							µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<100							µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<500							µg/kg	500	A-T-052s
n-Dibutylphthalate$_A$	<100							µg/kg	100	A-T-052s
Nitrobenzene$_A$	<100							µg/kg	100	A-T-052s
Isophorone$_A$	<100							µg/kg	100	A-T-052s
Hexachloroethane$_A$	<100							µg/kg	100	A-T-052s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
Hexachlorocyclopentadiene$_A$	<100							µg/kg	100	A-T-052s
Perylene$_A$	<100							µg/kg	100	A-T-052s

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
VOC										
Dichlorodifluoromethane$_A$	<1							µg/kg	1	A-T-006s
Chloromethane$_A$	<10							µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^\#$	<1							µg/kg	1	A-T-006s
Bromomethane$_A^\#$	<1							µg/kg	1	A-T-006s
Chloroethane$_A^\#$	<1							µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^\#$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^\#$	<1							µg/kg	1	A-T-006s
Carbon Disulphide$_A^\#$	<1							µg/kg	1	A-T-006s
Dichloromethane$_A$	<5							µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^\#$	<1							µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^\#$	<1							µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^\#$	<1							µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^\#$	<1							µg/kg	1	A-T-006s
Bromochloromethane$_A^\#$	<5							µg/kg	5	A-T-006s
Chloroform$_A^\#$	<1							µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^\#$	<1							µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^\#$	<1							µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^\#$	<1							µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^\#$	<2							µg/kg	2	A-T-006s
Benzene$_A^\#$	<1							µg/kg	1	A-T-006s
Trichloroethene$_A^\#$	<1							µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^\#$	<1							µg/kg	1	A-T-006s
Dibromomethane$_A^\#$	<1							µg/kg	1	A-T-006s
Bromodichloromethane$_A^\#$	<10							µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^\#$	<1							µg/kg	1	A-T-006s
Toluene$_A^\#$	<1							µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^\#$	<1							µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^\#$	<1							µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^\#$	<1							µg/kg	1	A-T-006s
Tetrachloroethene$_A^\#$	<1							µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3							µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1							µg/kg	1	A-T-006s

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
Chlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	3							µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	8							µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	5							µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	13							µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	32							µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	<1							µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	54							µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	<2							µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	<1							µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	<3							µg/kg	3	A-T-006s

Envirolab Job Number: 20/06587

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06587/124							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS32									
Depth to Top	2.40									
Depth To Bottom										
Date Sampled	31-Jul-20									
Sample Type	Soil									
Sample Matrix Code	6AB									
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	0.05							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	96							mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	382							mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	1370							mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1080							mg/kg	1	A-T-055s
Ali >C21-C35$_A$	189							mg/kg	1	A-T-055s
Total Aliphatics$_A$	3130							mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	52							mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	305							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	998							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	674							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	86							mg/kg	1	A-T-055s
Total Aromatics$_A$	2120							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	5230							mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

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Mottram Road, Hyde, Cheshire, SK14 3AR

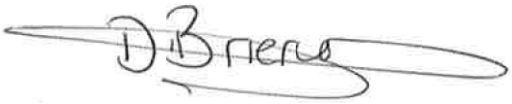
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/07483
Issue Number: 1 **Date:** 16 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Sophie Harper-Pryce
Project Name: Langstone Technology Park
Project Ref: 10/1425
Order No: TBC
Date Samples Received: 07/09/20
Date Instructions Received: 08/09/20
Date Analysis Completed: 15/09/20

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
% Stones >10mm$_A$	<0.1							% w/w	0.1	A-T-044

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.03							mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01							mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02							mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05							mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06							mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04							mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08							mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.09							mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03							mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.18							mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07							mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.30							mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/07483

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/07483/1							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS20									
Depth to Top	2.50									
Depth To Bottom										
Date Sampled	04-Sep-20									
Sample Type	Solid									
Sample Matrix Code	7									
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1							mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1							mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	316							mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	316							mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	973							mg/kg	1	A-T-055s
Total Aliphatics$_A$	1610							mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	3							mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1							mg/kg	1	A-T-055s
Aro >C12-C16$_A$	65							mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	65							mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	44							mg/kg	1	A-T-055s
Total Aromatics$_A$	177							mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C35)$_A$	1780							mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01							mg/kg	0.01	A-T-022s

REPORT NOTES

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The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

envirolab
Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/06587/1

Envirolab Job Number:	20/06587		
Issue Number:	2	Date:	26-Aug-20

Client:

Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK, WA14 4NX

Project Manager:	Daniel Hoyle
Project Name:	Langstone Technology Park
Project Ref:	10/1425
Order No:	28793
Date Samples Received:	6-Aug-20
Date Instructions Received:	10-Aug-20
Date Analysis Completed:	26-Aug-20

Notes - Soil analysis

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

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

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

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

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

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:

France

Sophie France
Client Service Manager

Approved by:

Richard Wong
Client Manager

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06587/57				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				WS24				
Depth to Top				1.3				
Depth to Bottom								
Date Sampled				30/07/2020				
Sample Type				Solid				
Sample Matrix Code				7				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.06**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.12**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.04**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**4.6**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.13**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.001	**0.010**	0.5	2	25
Barium	A-T-025	N	N	0.108	**1.080**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N	0.002	**0.020**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	0.006	**0.060**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.008	**0.080**	4	50	200
Chloride	A-T-026	N	N	37	**373**	800	15000	25000
Fluoride	A-T-026	N	N	0.4	**4.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	145	**1446**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	28	**280**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	8.1				
Conductivity (µS/cm)	A-T-037	N	N	57				
Mass Sample (kg)				0.208				
Dry Matter (%)	A-T-044	N	N	83.9				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06587/90				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				WS29				
Depth to Top				0.8				
Depth to Bottom								
Date Sampled				30/07/2020				
Sample Type				Soil				
Sample Matrix Code				5A				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**7.89**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.13**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.08**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**5.1**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**0.53**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N	**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.006	**0.060**	0.5	2	25
Barium	A-T-025	N	N	0.731	**7.310**	20	100	300
Cadmium	A-T-025	N	N	0.001	**0.010**	0.04	1	5
Chromium	A-T-025	N	N	0.004	**0.040**	0.5	10	70
Copper	A-T-025	N	N	0.101	**1.010**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N	0.015	**0.150**	0.4	10	40
Lead	A-T-025	N	N	0.072	**0.720**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.057	**0.570**	4	50	200
Chloride	A-T-026	N	N	12	**122**	800	15000	25000
Fluoride	A-T-026	N	N	0.7	**7.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	103	**1033**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	29	**290**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	31.20	**312**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.5				
Conductivity (µS/cm)	A-T-037	N	N	58				
Mass Sample (kg)				0.212				
Dry Matter (%)	A-T-044	N	N	82.7				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 20/06635/1

Amendments: Request for project/sample information change

Envirolab Job Number: 20/06635
Issue Number: 2 **Date:** 09 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Daniel Hoyle/Sophie Harper-Pryce
Project Name: Langstone Technology Park
Project Ref: 10/1425
Order No: TBC
Date Samples Received: 06/08/20
Date Instructions Received: 12/08/20
Date Analysis Completed: 20/08/20

Prepared by:



Richard Wong
Client Manager

Approved by:



Sophie France
Client Service Manager

UKAS TESTING
1247

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
pH (w)$_A^\#$	7.57	7.11	7.27	7.48				pH	0.01	A-T-031w
DOC (w)$_A^\#$	12.8	9.8	24.7	22.9				mg/l	0.2	A-T-032w
Arsenic (dissolved)$_A^\#$	2	<1	8	5				µg/l	1	A-T-025w
Boron (dissolved)$_A^\#$	225	51	112	78				µg/l	10	A-T-025w
Beryllium (dissolved)$_A^\#$	<1	<1	4	<1				µg/l	1	A-T-025w
Cadmium (dissolved)$_A^\#$	<0.2	<0.2	1.9	<0.2				µg/l	0.2	A-T-025w
Copper (dissolved)$_A^\#$	21	9	181	17				µg/l	1	A-T-025w
Chromium (hexavalent) (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				mg/l	0.01	A-T-040w
Lead (dissolved)$_A^\#$	<1	<1	106	<1				µg/l	1	A-T-025w
Mercury (dissolved)$_A^\#$	<0.1	<0.1	<0.1	<0.1				µg/l	0.1	A-T-025w
Nickel (dissolved)$_A^\#$	4	4	61	4				µg/l	1	A-T-025w
Selenium (dissolved)$_A^\#$	<1	2	3	<1				µg/l	1	A-T-025w
Vanadium (dissolved)$_A^\#$	<1	<1	69	2				µg/l	1	A-T-025w
Zinc (dissolved)$_A^\#$	20	3	176	4				µg/l	1	A-T-025w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
PAH 16MS (w)										
Acenaphthene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Anthracene (w)$_A^\#$	<0.01	<0.01	0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^\#$	<0.01	0.03	0.02	<0.01				µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^\#$	<0.01	0.04	0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^\#$	<0.01	0.07	0.02	<0.01				µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Chrysene (w)$_A^\#$	<0.01	0.08	0.02	<0.01				µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^\#$	0.02	0.35	0.05	<0.01				µg/l	0.01	A-T-019w
Fluorene (w)$_A^\#$	0.03	<0.01	0.01	<0.01				µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^\#$	<0.01	0.02	<0.01	<0.01				µg/l	0.01	A-T-019w
Naphthalene (w)$_A^\#$	<0.01	<0.01	<0.01	<0.01				µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^\#$	0.04	0.02	0.04	<0.01				µg/l	0.01	A-T-019w
Pyrene (w)$_A^\#$	0.03	0.30	0.05	<0.01				µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^\#$	0.12	0.95	0.23	<0.01				µg/l	0.01	A-T-019w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
VOC (w)										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-006w
Chloromethane$_A$	<10	<10	<10	<10				µg/l	10	A-T-006w
Vinyl Chloride$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Bromomethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Chloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Trichlorofluoromethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
trans 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Dichloromethane$_A$	<5	<5	<5	<5				µg/l	5	A-T-006w
Carbon Disulphide$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,1-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,1-Dichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
cis 1,2-Dichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Bromochloromethane$_A^\#$	<5	<5	<5	<5				µg/l	5	A-T-006w
Chloroform$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
2,2-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2-Dichloroethane$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-006w
1,1,1-Trichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,1-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Benzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Carbon Tetrachloride$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Dibromomethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Bromodichloromethane$_A^\#$	<10	<10	<10	<10				µg/l	10	A-T-006w
Trichloroethene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
cis 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
trans 1,3-Dichloropropene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,1,2-Trichloroethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Toluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,3-Dichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Dibromochloromethane$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-006w
1,2-Dibromoethane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Tetrachloroethene$_A$	<1	<1	<1	<1				µg/l	1	A-T-006w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-006w
Chlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Ethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
m & p Xylene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Bromoform$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Styrene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1				µg/l	1	A-T-006w
o-Xylene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Isopropylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
Bromobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
2-Chlorotoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
n-propylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
4-Chlorotoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
4-Isopropyltoluene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
sec-Butylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
tert-Butylbenzene$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-006w
1,3-Dichlorobenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
n-butylbenzene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w
1,2-Dibromo-3-chloropropane$_A^\#$	<2	<2	<2	<2				µg/l	2	A-T-006w
1,2,4-Trichlorobenzene$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-006w
1,2,3-Trichlorobenzene$_A^\#$	<3	<3	<3	<3				µg/l	3	A-T-006w
Hexachlorobutadiene$_A^\#$	<1	<1	<1	<1				µg/l	1	A-T-006w

Envirolab Job Number: 20/06635

Client Project Name: Langstone Technology Park

Client Project Ref: 10/1425

Lab Sample ID	20/06635/1	20/06635/2	20/06635/3	20/06635/4				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH5	WS9	WS20	WS14						
Depth to Top	4.50	0.90	3.00	3.00						
Depth To Bottom										
Date Sampled	31-Jul-20	31-Jul-20	31-Jul-20	31-Jul-20						
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW						
Sample Matrix Code	N/A	N/A	N/A	N/A						
TPH CWG (w)										
Ali >C5-C6 $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
Ali >C6-C8 $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
Ali >C8-C10 $(w)_A^{\#}$	<5	<5	-	<5				µg/l	5	A-T-055w
Ali >C10-C12 $(w)_A^{\#}$	16	<5	-	6				µg/l	5	A-T-055w
Ali >C12-C16 $(w)_A^{\#}$	22	<5	-	19				µg/l	5	A-T-055w
Ali >C16-C21 $(w)_A^{\#}$	23	<5	-	12				µg/l	5	A-T-055w
Ali >C21-C35 $(w)_A^{\#}$	101	<5	-	33				µg/l	5	A-T-055w
Total Aliphatics $(w)_A^{\#}$	162	<5	-	70				µg/l	5	A-T-055w
Aro >C5-C7 $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
Aro >C7-C8 $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
Aro >C8-C10 $(w)_A$	9	<5	-	5				µg/l	5	A-T-055w
Aro >C10-C12 $(w)_A^{\#}$	31	16	-	48				µg/l	5	A-T-055w
Aro >C12-C16 $(w)_A^{\#}$	17	10	-	13				µg/l	5	A-T-055w
Aro >C16-C21 $(w)_A^{\#}$	26	31	-	28				µg/l	5	A-T-055w
Aro >C21-C35 $(w)_A^{\#}$	37	21	-	26				µg/l	10	A-T-055w
Total Aromatics $(w)_A$	120	78	-	120				µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C35) $(w)_A$	282	78	-	190				µg/l	10	A-T-055w
BTEX - Benzene $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - Toluene $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - Ethyl Benzene $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - m & p Xylene $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
BTEX - o Xylene $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w
MTBE $(w)_A^{\#}$	<1	<1	-	<1				µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

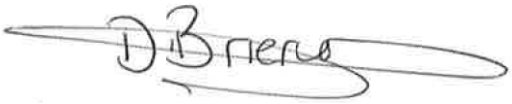
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/07484
Issue Number: 1 **Date:** 16 September, 2020

Client:
Clancy Consulting
Dunham Court
2 Dunham Road
Altrincham
Cheshire
UK
WA14 4NX

Project Manager: Sophie Harper-Pryce
Project Name: Langstone Technology Park, Havant
Project Ref: 10/1425
Order No: TBC
Date Samples Received: 07/09/20
Date Instructions Received: 08/09/20
Date Analysis Completed: 15/09/20

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Richard Wong
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
pH (w)$_A^\#$	7.12	7.60	7.39	7.45	8.02	7.85	7.67	pH	0.01	A-T-031w
Arsenic (dissolved)$_A^\#$	1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Boron (dissolved)$_A^\#$	54	-	-	-	51	-	22	µg/l	10	A-T-025w
Beryllium (dissolved)$_A^\#$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Cadmium (dissolved)$_A^\#$	<0.2	-	-	-	<0.2	-	<0.2	µg/l	0.2	A-T-025w
Copper (dissolved)$_A^\#$	<1	-	-	-	2	-	<1	µg/l	1	A-T-025w
Chromium (hexavalent) (w)$_A^\#$	<0.01	-	-	-	0.20	-	<0.01	mg/l	0.01	A-T-040w
Lead (dissolved)$_A^\#$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Mercury (dissolved)$_A^\#$	<0.1	-	-	-	<0.1	-	<0.1	µg/l	0.1	A-T-025w
Nickel (dissolved)$_A^\#$	6	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Selenium (dissolved)$_A^\#$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Vanadium (dissolved)$_A^\#$	<1	-	-	-	<1	-	<1	µg/l	1	A-T-025w
Zinc (dissolved)$_A^\#$	<1	-	-	-	<1	-	3	µg/l	1	A-T-025w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
PAH 16MS (w)										
Acenaphthene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Anthracene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Chrysene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Fluorene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Naphthalene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Pyrene (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^{\#}$	-	-	-	-	-	-	<0.01	µg/l	0.01	A-T-019w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
SVOC (w)										
1,2,4-Trichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
1,2-Dichlorobenzene$_A$	-	-	<3	<3	-	<3	-	µg/l	1	A-T-052w
1,3-Dichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
1,4-Dichlorobenzene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
2,4,5-Trichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4,6-Trichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dichlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dimethylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,4-Dinitrotoluene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2,6-Dinitrotoluene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Chloronaphthalene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Chlorophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Methylnaphthalene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
2-Nitrophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Bromophenyl phenyl ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Chloro-3-methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-chloroisopropyl)ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
3+4-Methylphenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
4-Nitrophenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Acenaphthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Acenaphthylene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Bis(2-chloroethyl)ether$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-chloroethoxy)methane$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Bis(2-ethylhexyl)phthalate$_A$	-	<10	<10	<10	-	<10	<10	µg/l	10	A-T-052w
Benzo(a)anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Butylbenzyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Benzo(b)fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(k)fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(a)pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Benzo(ghi)perylene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Carbazole$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Chrysene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Dibenzofuran$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
n-Dibutylphthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
n-Dioctylphthalate$_A$	-	<10	<10	<10	-	<10	<10	µg/l	10	A-T-052w
n-Nitroso-n-dipropylamine$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Diethyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Dimethyl phthalate$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Dibenzo(ah)anthracene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Fluorene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Fluoranthene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Hexachlorobutadiene$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-052w
Hexachlorobenzene$_A$	-	<2	<2	<2	-	<2	<2	µg/l	1	A-T-052w
Pentachlorophenol (SVOC)$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Phenol$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Hexachloroethane$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Nitrobenzene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Naphthalene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Isophorone$_A$	-	<1	<1	1	-	<1	<1	µg/l	1	A-T-052w
Hexachlorocyclopentadiene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w
Phenanthrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Indeno(1,2,3-cd)pyrene$_A$	-	<1	<1	<1	-	<1	-	µg/l	1	A-T-052w
Perylene$_A$	-	<1	<1	<1	-	<1	<1	µg/l	1	A-T-052w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
VOC (w)										
Dichlorodifluoromethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Chloromethane$_A$	-	<10	-	-	-	-	<10	µg/l	10	A-T-006w
Vinyl Chloride$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Bromomethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Chloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Trichlorofluoromethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
trans 1,2-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Dichloromethane$_A$	-	<5	-	-	-	-	<5	µg/l	5	A-T-006w
Carbon Disulphide$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,1-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,1-Dichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
cis 1,2-Dichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Bromochloromethane$_A^\#$	-	<5	-	-	-	-	<5	µg/l	5	A-T-006w
Chloroform$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
2,2-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2-Dichloroethane$_A^\#$	-	<2	-	-	-	-	<2	µg/l	2	A-T-006w
1,1,1-Trichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,1-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Benzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Carbon Tetrachloride$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Dibromomethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Bromodichloromethane$_A^\#$	-	<10	-	-	-	-	<10	µg/l	10	A-T-006w
Trichloroethene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
cis 1,3-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
trans 1,3-Dichloropropene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,1,2-Trichloroethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Toluene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,3-Dichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Dibromochloromethane$_A^\#$	-	<3	-	-	-	-	<3	µg/l	3	A-T-006w
1,2-Dibromoethane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Tetrachloroethene$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
1,1,1,2-Tetrachloroethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Chlorobenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Ethylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
m & p Xylene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Bromoform$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Styrene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,1,2,2-Tetrachloroethane$_A$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
o-Xylene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2,3-Trichloropropane$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Isopropylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
Bromobenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
2-Chlorotoluene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
n-propylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
4-Chlorotoluene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2,4-Trimethylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
4-Isopropyltoluene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,3,5-Trimethylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2-Dichlorobenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,4-Dichlorobenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
sec-Butylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
tert-Butylbenzene$_A^\#$	-	<2	-	-	-	-	<2	µg/l	2	A-T-006w
1,3-Dichlorobenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
n-butylbenzene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w
1,2-Dibromo-3-chloropropane$_A^\#$	-	<2	-	-	-	-	<2	µg/l	2	A-T-006w
1,2,4-Trichlorobenzene$_A^\#$	-	<3	-	-	-	-	<3	µg/l	3	A-T-006w
1,2,3-Trichlorobenzene$_A^\#$	-	<3	-	-	-	-	<3	µg/l	3	A-T-006w
Hexachlorobutadiene$_A^\#$	-	<1	-	-	-	-	<1	µg/l	1	A-T-006w

Envirolab Job Number: 20/07484

Client Project Name: Langstone Technology Park, Havant

Client Project Ref: 10/1425

Lab Sample ID	20/07484/1	20/07484/2	20/07484/3	20/07484/4	20/07484/5	20/07484/6	20/07484/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS3	WS9	WS14	WS20	WS29	BH5	BH6			
Depth to Top	2.00	1.50	1.00	2.50	2.90	7.00	4.50			
Depth To Bottom										
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20	04-Sep-20			
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW			
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
TPH CWG (w)										
Ali >C5-C6 $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C6-C8 $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C8-C10 $(w)_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C10-C12 $(w)_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C12-C16 $(w)_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C16-C21 $(w)_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Ali >C21-C35 $(w)_A^{\#}$	-	<5	-	19	-	-	<5	µg/l	5	A-T-055w
Total Aliphatics $(w)_A^{\#}$	-	<5	-	19	-	-	<5	µg/l	5	A-T-055w
Aro >C5-C7 $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C7-C8 $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C8-C10 $(w)_A$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Aro >C10-C12 $(w)_A^{\#}$	-	<5	-	<5	-	-	<5	µg/l	5	A-T-055w
Aro >C12-C16 $(w)_A^{\#}$	-	<5	-	14	-	-	<5	µg/l	5	A-T-055w
Aro >C16-C21 $(w)_A^{\#}$	-	6	-	26	-	-	<5	µg/l	5	A-T-055w
Aro >C21-C35 $(w)_A^{\#}$	-	<10	-	15	-	-	<10	µg/l	10	A-T-055w
Total Aromatics $(w)_A$	-	<10	-	55	-	-	<10	µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C35) $(w)_A$	-	<10	-	74	-	-	<10	µg/l	10	A-T-055w
BTEX - Benzene $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Toluene $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Ethyl Benzene $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - m & p Xylene $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - o Xylene $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w
MTBE $(w)_A^{\#}$	-	<1	-	<1	-	-	<1	µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

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

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

APPENDIX IV

WASTE ASSESSMENT

Waste Classification Report

9KURL-YLADL-HB7YB

Job name

10-1425 Langstone Business Park

Description/Comments

Project

Site

Related Documents

#	Name	Description
None		

Waste Stream Template

Example waste stream template for contaminated soils

Classified by

Name:
Robert Philip
Date:
09 Sep 2020 14:18 GMT
Telephone:

Company:
Clancy Consulting Limited

HazWasteOnline™ Training Record:

Course	Date
Hazardous Waste Classification	-
Advanced Hazardous Waste Classification	-

Report

Created by: Robert Philip
Created date: 09 Sep 2020 14:18 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	WS9	0.35	Non Hazardous		3
2	WS9[2]	2.30	Non Hazardous		6
3	WS10	0.90	Non Hazardous		8
4	WS11	0.90	Non Hazardous		10
5	WS14	0.90	Non Hazardous		12
6	WS14[2]	2.40	Non Hazardous		14
7	WS16	0.95	Non Hazardous		17
8	WS18	2.30	Non Hazardous		19
9	WS20	0.40	Unknown. Chemistry data not provided.		21
10	WS20[2]	0.90	Non Hazardous		22
11	WS20[3]	1.90	Non Hazardous		24
12	WS21	1.30	Hazardous	HP 3(i), HP 7, HP 11	27

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
13	WS21[2]	2.70	Non Hazardous		29
14	WS23	1.00	Non Hazardous		32
15	WS24	1.30	Non Hazardous		34
16	WS24[2]	2.30	Non Hazardous		36
17	WS25	0.40	Unknown. Chemistry data not provided.		38
18	WS25[2]	1.70	Non Hazardous		39
19	WS26	1.50	Non Hazardous		41
20	WS26[2]	2.30	Non Hazardous		43
21	WS27	0.80	Non Hazardous		46
22	WS28	2.30	Non Hazardous		48
23	WS29	0.80	Non Hazardous		51
24	WS29[2]	2.40	Non Hazardous		53
25	WS30	1.00	Hazardous	HP 3(i), HP 7, HP 11	55
26	WS31	2.50	Hazardous	HP 3(i), HP 7, HP 11	58
27	WS31[2]	2.70	Hazardous	HP 3(i), HP 7, HP 11	61
28	WS32	2.60	Hazardous	HP 3(i), HP 7, HP 11	64
29	WS32[2]	2.40	Non Hazardous		67
30	HTP1	0.50	Non Hazardous		69
31	HTP3	0.40	Non Hazardous		71
32	BH1	0.60	Non Hazardous		73
33	SA1	0.60	Non Hazardous		74
34	WS1	1.60	Hazardous	HP 3(i), HP 7, HP 11	76
35	WS2	1.10	Non Hazardous		79
36	WS2[2]	2.40	Non Hazardous		82
37	WS3	0.25	Non Hazardous		84
38	WS4	1.80	Hazardous	HP 3(i), HP 7, HP 11	86
39	WS5	2.60	Non Hazardous		89
40	WS5[2]	3.90	Non Hazardous		92
41	WS6	0.80	Non Hazardous		94
42	WS7	1.40	Non Hazardous		96
43	SA2	0.70	Non Hazardous		98
44	BH3	1.00	Non Hazardous		100
45	BH4	1.10	Non Hazardous		102
46	BH4[2]	1.10	Unknown. Chemistry data not provided.		104

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	105
Appendix B: Rationale for selection of metal species	106
Appendix C: Version	107

Classification of sample: WS9

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS9	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.35 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		1 mg/kg	2.775	2.775 mg/kg	0.000278 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8 mg/kg	1.142	0.914 mg/kg	0.0000914 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17 mg/kg	1.126	19.14 mg/kg	0.00191 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14 mg/kg	1.56	21.837 mg/kg	0.0014 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		18 mg/kg	2.976	53.573 mg/kg	0.00536 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		63 mg/kg	2.774	174.771 mg/kg	0.0175 %		
12	TPH (C6 to C40) petroleum group			TPH		33 mg/kg		33 mg/kg	0.0033 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				7.52	pH		7.52	pH	7.52 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0308 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0033%)

Classification of sample: WS9[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS9[2]
Sample Depth:
2.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		2	mg/kg		2	mg/kg	0.0002 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.05	mg/kg	0.000005 %		
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
13	●	fluoranthene		205-912-4	206-44-0		0.14	mg/kg		0.14	mg/kg	0.000014 %		
14	●	pyrene		204-927-3	129-00-0		0.11	mg/kg		0.11	mg/kg	0.000011 %		
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.1	mg/kg	0.00001 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.1	mg/kg	0.00001 %		
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				0.06	mg/kg		0.06	mg/kg	0.000006 %		
			205-883-8	191-24-2									
										Total:	0.00031 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

Classification of sample: WS10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS10
Sample Depth:
0.90 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		31	mg/kg		31	mg/kg	0.0031 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
13	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
14	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		**<LOD**
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2									
										Total:	0.00317 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0031%)

Classification of sample: WS11

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS11
Sample Depth:
0.90 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
2	•	acenaphthylene		205-917-1	208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3	•	acenaphthene		201-469-6	83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4	•	fluorene		201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
5	•	phenanthrene		201-581-5	85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
6	•	anthracene		204-371-1	120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
7	•	fluoranthene		205-912-4	206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
8	•	pyrene		204-927-3	129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
9		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
10		chrysene	601-048-00-0	205-923-4	218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
11		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
12		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
13		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
14	•	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
16	•	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
									Total:	0.00006 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS14

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS14
Sample Depth:
0.90 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		13	mg/kg		13	mg/kg	0.0013 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
13	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
14	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		**<LOD**
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2									
										Total:	0.00137 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: WS14[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS14[2]
Sample Depth:
2.40 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		6 mg/kg	1.126	6.755 mg/kg	0.000676 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	6 mg/kg	1.56	9.359 mg/kg	0.0006 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2.15 mg/kg	1.353	2.91 mg/kg	0.000291 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		11 mg/kg	2.976	32.739 mg/kg	0.00327 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				1 mg/kg	2.554	2.554 mg/kg	0.000255 %		
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		20 mg/kg	2.774	55.483 mg/kg	0.00555 %		
12	TPH (C6 to C40) petroleum group			TPH		2 mg/kg		2 mg/kg	0.0002 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				7.88	pH		7.88	pH	7.88 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0118 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0002%)

Classification of sample: WS16

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS16	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.95 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
11	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		**<LOD**
13	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
14	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS18

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
WS18	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
2.30 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.5	mg/kg	1.142	<0.571	mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4	mg/kg	1.126	4.504	mg/kg	0.00045 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5	mg/kg	1.56	7.799	mg/kg	0.0005 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2.82	mg/kg	1.353	3.817	mg/kg	0.000382 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		5	mg/kg	2.976	14.881	mg/kg	0.00149 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		14	mg/kg	2.774	38.838	mg/kg	0.00388 %		
12	pH			PH		8.48	pH		8.48	pH	8.48 pH		
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
14	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
17	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
18	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
19	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
20	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
21		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
26	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
28	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00787 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS20

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS20	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.40 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

User supplied data

Classification of sample: WS20[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS20[2]
Sample Depth:
0.90 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2	mg/kg	1.32	2.641	mg/kg	0.000264 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6	mg/kg	2.775	1.665	mg/kg	0.000167 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.8	mg/kg	1.142	0.914	mg/kg	0.0000914 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		19	mg/kg	1.126	21.392	mg/kg	0.00214 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	43	mg/kg	1.56	67.072	mg/kg	0.0043 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		13	mg/kg	2.976	38.691	mg/kg	0.00387 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		54	mg/kg	2.774	149.804	mg/kg	0.015 %		
12	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				7.71	pH		7.71	pH	7.71 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0268 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS20[3]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS20[3]
Sample Depth:
1.90 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		4 mg/kg	1.126	4.504 mg/kg	0.00045 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	2 mg/kg	1.56	3.12 mg/kg	0.0002 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		5.03 mg/kg	1.353	6.808 mg/kg	0.000681 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		4 mg/kg	2.976	11.905 mg/kg	0.00119 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		12 mg/kg	2.774	33.29 mg/kg	0.00333 %		
12	TPH (C6 to C40) petroleum group			TPH		32 mg/kg		32 mg/kg	0.0032 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18		pH				8.72	pH		8.72	pH	8.72 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20		acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21		acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22		fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24		anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25		fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26		pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0102 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0032%)

Classification of sample: WS21

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS21	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.30 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		TPH (C6 to C40) petroleum group		TPH		1100	mg/kg		1100	mg/kg	0.11 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
3		benzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-020-00-8	200-753-7	71-43-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
4		toluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
5	•	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
6		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
7		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
8	•	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
9	•	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
10	•	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
11	•	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
12	•	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
13	•	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
14	•	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
15		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.11 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS21[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS21[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.70 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		2 mg/kg	1.32	2.641 mg/kg	0.000264 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.5 mg/kg	2.775	1.388 mg/kg	0.000139 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		**<LOD**
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		**<LOD**
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		9 mg/kg	1.126	10.133 mg/kg	0.00101 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	6 mg/kg	1.56	9.359 mg/kg	0.0006 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2.7 mg/kg	1.353	3.654 mg/kg	0.000365 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		39 mg/kg	2.976	116.074 mg/kg	0.0116 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		**<LOD**
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		19 mg/kg	2.774	52.709 mg/kg	0.00527 %		
12	TPH (C6 to C40) petroleum group			TPH		59 mg/kg		59 mg/kg	0.0059 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				8.71	pH		8.71	pH	8.71 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				0.03	mg/kg		0.03	mg/kg	0.000003 %		
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				0.02	mg/kg		0.02	mg/kg	0.000002 %		
			201-695-5	86-73-7									
23	●	phenanthrene				0.04	mg/kg		0.04	mg/kg	0.000004 %		
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0261 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0059%)

Classification of sample: WS23

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS23
Sample Depth:
1.00 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	phenanthrene		201-581-5	85-01-8		0.08	mg/kg		0.08	mg/kg	0.000008 %		
12	●	anthracene		204-371-1	120-12-7		0.03	mg/kg		0.03	mg/kg	0.000003 %		
13	●	fluoranthene		205-912-4	206-44-0		0.33	mg/kg		0.33	mg/kg	0.000033 %		
14	●	pyrene		204-927-3	129-00-0		0.27	mg/kg		0.27	mg/kg	0.000027 %		
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.29	mg/kg		0.29	mg/kg	0.000029 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.38	mg/kg		0.38	mg/kg	0.000038 %		
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				0.56	mg/kg		0.56	mg/kg	0.000056 %		
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				0.17	mg/kg		0.17	mg/kg	0.000017 %		
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.35	mg/kg		0.35	mg/kg	0.000035 %		
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				0.29	mg/kg		0.29	mg/kg	0.000029 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				0.07	mg/kg		0.07	mg/kg	0.000007 %		
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				0.23	mg/kg		0.23	mg/kg	0.000023 %		
			205-883-8	191-24-2									
										Total:	0.00041 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS24

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS24
Sample Depth:
1.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		1	mg/kg	1.32	1.32	mg/kg	0.000132 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.8	mg/kg	2.775	2.22	mg/kg	0.000222 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.7	mg/kg	1.142	0.8	mg/kg	0.00008 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		10	mg/kg	1.126	11.259	mg/kg	0.00113 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16	mg/kg	1.56	24.957	mg/kg	0.0016 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.17	mg/kg	1.353	<0.23	mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		46	mg/kg	2.774	127.611	mg/kg	0.0128 %		
12	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				8.06	pH		8.06	pH	8.06 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0228 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS24[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS24[2]
Sample Depth:
2.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1	mg/kg	1.32	<1.32	mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.6	mg/kg	2.775	1.665	mg/kg	0.000167 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		3	mg/kg	1.126	3.378	mg/kg	0.000338 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5	mg/kg	1.56	7.799	mg/kg	0.0005 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		3.19	mg/kg	1.353	4.318	mg/kg	0.000432 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		7	mg/kg	2.976	20.834	mg/kg	0.00208 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		21	mg/kg	2.774	58.257	mg/kg	0.00583 %		
12	pH			PH		8.85	pH		8.85	pH	8.85 pH		
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
14	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
			201-695-5	86-73-7									
17	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
			201-581-5	85-01-8									
18	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		**<LOD**
			204-371-1	120-12-7									
19	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
			205-912-4	206-44-0									
20	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
			204-927-3	129-00-0									
21		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		**<LOD**
		601-048-00-0	205-923-4	218-01-9									
23		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
		601-034-00-4	205-911-9	205-99-2									
24		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
25		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8									
26	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
			205-893-2	193-39-5									
27		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
28	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2									
										Total:	0.0104 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS25

Unknown. Chemistry data not provided.
Classified as **17 05 04** or **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS25	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
0.40 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
								Total:	0%		

Key

User supplied data

Classification of sample: WS25[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS25[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.70 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		0.7 mg/kg	2.775	1.943 mg/kg	0.000194 %		
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		8 mg/kg	1.126	9.007 mg/kg	0.000901 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	9 mg/kg	1.56	14.038 mg/kg	0.0009 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		19 mg/kg	2.976	56.549 mg/kg	0.00565 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		34 mg/kg	2.774	94.321 mg/kg	0.00943 %		
12	TPH (C6 to C40) petroleum group			TPH		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				7.66	pH		7.66	pH	7.66 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				0.18	mg/kg		0.18	mg/kg	0.000018 %		
			205-912-4	206-44-0									
26	●	pyrene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			204-927-3	129-00-0									
27		benzo[a]anthracene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				0.19	mg/kg		0.19	mg/kg	0.000019 %		
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				0.12	mg/kg		0.12	mg/kg	0.000012 %		
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				0.11	mg/kg		0.11	mg/kg	0.000011 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				0.08	mg/kg		0.08	mg/kg	0.000008 %		
			205-883-8	191-24-2									
										Total:	0.0183 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS26

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS26	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.50 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
11	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		**<LOD**
13	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
14	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS26[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS26[2]	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.30 m	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		<0.5 mg/kg	1.142	<0.571 mg/kg	<0.0000571 %		<LOD
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		5 mg/kg	1.126	5.629 mg/kg	0.000563 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	3 mg/kg	1.56	4.679 mg/kg	0.0003 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.69 mg/kg	1.353	0.934 mg/kg	0.0000934 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		60 mg/kg	2.976	178.576 mg/kg	0.0179 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		6 mg/kg	2.774	16.645 mg/kg	0.00166 %		
12	TPH (C6 to C40) petroleum group			TPH		26 mg/kg		26 mg/kg	0.0026 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				8.91	pH		8.91	pH	8.91 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0242 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0026%)

Classification of sample: WS27

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS27
Sample Depth:
0.80 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	phenanthrene		201-581-5	85-01-8		0.06	mg/kg		0.06	mg/kg	0.000006 %		
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
13	●	fluoranthene		205-912-4	206-44-0		0.14	mg/kg		0.14	mg/kg	0.000014 %		
14	●	pyrene		204-927-3	129-00-0		0.14	mg/kg		0.14	mg/kg	0.000014 %		
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.11	mg/kg		0.11	mg/kg	0.000011 %		

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				0.21	mg/kg		0.21	mg/kg	0.000021 %		
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				0.15	mg/kg		0.15	mg/kg	0.000015 %		
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				0.16	mg/kg		0.16	mg/kg	0.000016 %		
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				0.14	mg/kg		0.14	mg/kg	0.000014 %		
			205-883-8	191-24-2									
										Total:	0.00025 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS28

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:
WS28
Sample Depth:
2.30 m

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		3	mg/kg	1.32	3.961	mg/kg	0.000396 %		
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5	mg/kg	2.775	<1.388	mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		<LOD
4	cadmium { cadmium oxide }	048-002-00-0	215-146-2	1306-19-0		0.6	mg/kg	1.142	0.685	mg/kg	0.0000685 %		
5	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1	mg/kg	1.923	<1.923	mg/kg	<0.000192 %		<LOD
6	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		7	mg/kg	1.126	7.881	mg/kg	0.000788 %		
7	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5	mg/kg	1.56	7.799	mg/kg	0.0005 %		
8	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		2.68	mg/kg	1.353	3.627	mg/kg	0.000363 %		
9	nickel { nickel chromate }	028-035-00-7	238-766-5	14721-18-7		20	mg/kg	2.976	59.525	mg/kg	0.00595 %		
10	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
11	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		18	mg/kg	2.774	49.935	mg/kg	0.00499 %		
12	TPH (C6 to C40) petroleum group			TPH		13	mg/kg		13	mg/kg	0.0013 %		
13	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
14	benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
15	toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16	●	ethylbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
18	●	pH				8.85	pH		8.85	pH	8.85 pH		
				PH									
19		naphthalene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
20	●	acenaphthylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-917-1	208-96-8									
21	●	acenaphthene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-469-6	83-32-9									
22	●	fluorene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-695-5	86-73-7									
23	●	phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
24	●	anthracene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
			204-371-1	120-12-7									
25	●	fluoranthene				<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
			205-912-4	206-44-0									
26	●	pyrene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
			204-927-3	129-00-0									
27		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
28		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
29		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
30		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
32	●	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
34	●	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.0153 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0013%)

Classification of sample: WS29

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
WS29	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
0.80 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		1	mg/kg		1	mg/kg	0.0001 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
7	●	pH			PH		7.89	pH		7.89	pH	7.89 pH		
8		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
9	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
10	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
11	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
12	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
13	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
14	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		<LOD
15	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		benzo[a]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
17		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
18		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
19		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
20		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
21	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
22		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
23	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00016 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0001%)

Classification of sample: WS29[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

Sample details

Sample Name:	LoW Code:
WS29[2]	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	
2.40 m	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		4	mg/kg		4	mg/kg	0.0004 %		
2		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
3		benzene	601-020-00-8	200-753-7	71-43-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
4		toluene	601-021-00-3	203-625-9	108-88-3		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
5	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
6		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
7		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
8	●	acenaphthylene		205-917-1	208-96-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
9	●	acenaphthene		201-469-6	83-32-9		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
10	●	fluorene		201-695-5	86-73-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		**<LOD**
11	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		**<LOD**
12	●	anthracene		204-371-1	120-12-7		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		**<LOD**
13	●	fluoranthene		205-912-4	206-44-0		<0.08	mg/kg		<0.08	mg/kg	<0.000008 %		**<LOD**
14	●	pyrene		204-927-3	129-00-0		<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		**<LOD**
15		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
16		chrysene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
17		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
18		benzo[k]fluoranthene				<0.07	mg/kg		<0.07	mg/kg	<0.000007 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
19		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20	•	indeno[123-cd]pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-893-2	193-39-5									
21		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
22	•	benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
										Total:	0.00046 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable at concentrations of less than 0.1% by weight.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0004%)

Classification of sample: WS30

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
1.00 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.166%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.166%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.166%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
1		arsenic { arsenic trioxide }				61	mg/kg	1.32	80.54	mg/kg	0.00805 %		
		033-003-00-0	215-481-4	1327-53-3									
2		beryllium { beryllium oxide }				0.8	mg/kg	2.775	2.22	mg/kg	0.000222 %		
		004-003-00-8	215-133-1	1304-56-9									
3		boron { diboron trioxide; boric oxide }				<1	mg/kg	3.22	<3.22	mg/kg	<0.000322 %		**<LOD**
		005-008-00-8	215-125-8	1303-86-2									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
4		cadmium { cadmium oxide } 048-002-00-0 / 215-146-2 / 1306-19-0		1.6 mg/kg	1.142	1.828 mg/kg	0.000183 %		
5		chromium in chromium(VI) compounds { chromium(VI) oxide } 024-001-00-0 / 215-607-8 / 1333-82-0		<1 mg/kg	1.923	<1.923 mg/kg	<0.000192 %		<LOD
6		copper { dicopper oxide; copper (I) oxide } 029-002-00-X / 215-270-7 / 1317-39-1		11 mg/kg	1.126	12.385 mg/kg	0.00124 %		
7		lead { lead chromate } 082-004-00-2 / 231-846-0 / 7758-97-6	1	13 mg/kg	1.56	20.278 mg/kg	0.0013 %		
8		mercury { mercury dichloride } 080-010-00-X / 231-299-8 / 7487-94-7		<0.17 mg/kg	1.353	<0.23 mg/kg	<0.000023 %		<LOD
9		nickel { nickel chromate } 028-035-00-7 / 238-766-5 / 14721-18-7		20 mg/kg	2.976	59.525 mg/kg	0.00595 %		
10		selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8		<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
11		zinc { zinc chromate } 024-007-00-3 / 236-878-9 / 13530-65-9		41 mg/kg	2.774	113.74 mg/kg	0.0114 %		
12		TPH (C6 to C40) petroleum group TPH		1660 mg/kg		1660 mg/kg	0.166 %		
13		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
15		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
16		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17		xylene 601-022-00-9 / 202-422-2 [1], 203-396-5 [2], 203-576-3 [3], 215-535-7 [4] / 95-47-6 [1], 106-42-3 [2], 108-38-3 [3], 1330-20-7 [4]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
18		pH PH		8.07 pH		8.07 pH	8.07 pH		
19		naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20		acenaphthylene 205-917-1 / 208-96-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
21		acenaphthene 201-469-6 / 83-32-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
22		fluorene 201-695-5 / 86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
23		phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
24		anthracene 204-371-1 / 120-12-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
25		fluoranthene 205-912-4 / 206-44-0		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
26		pyrene 204-927-3 / 129-00-0		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
27		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
28		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
29		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.06 mg/kg		0.06 mg/kg	0.000006 %		
30		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
31		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-032-00-3	200-028-5	50-32-8									
32		indeno[123-cd]pyrene				0.04	mg/kg		0.04	mg/kg	0.000004 %		
			205-893-2	193-39-5									
33		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-041-00-2	200-181-8	53-70-3									
34		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			205-883-8	191-24-2									
										Total:	0.195 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS31

Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample Name:	LoW Code:	
WS31	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:		
2.50 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.11%)

Determinands

Moisture content: 0% No Moisture Correction applied (MC)

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	arsenic { arsenic trioxide }	033-003-00-0	215-481-4	1327-53-3		<1 mg/kg	1.32	<1.32 mg/kg	<0.000132 %		<LOD
2	beryllium { beryllium oxide }	004-003-00-8	215-133-1	1304-56-9		<0.5 mg/kg	2.775	<1.388 mg/kg	<0.000139 %		<LOD
3	boron { diboron trioxide; boric oxide }	005-008-00-8	215-125-8	1303-86-2		<1 mg/kg	3.22	<3.22 mg/kg	<0.000322 %		<LOD