APPENDIX D

National Quality Mark Scheme Declaration

NQMS SQP Declaration of Document Adequacy

Project

Project Name	UK20.5052C
Project Address	New Lane, Havant (Phase II)
NQMS Declaration Reference	0321-D3093

Summary Description of Project / Proposed development
Phase II Geo-Environmental Assessment/Commercial Redevelopment

Document

Document Title	Phase II Geo-Environmental Assessment
Document Type	Phase II
Document Reference	UK20.5052C
Document Date	March 2021
Document Author / Publishing Organisation	EPS
Named Client	N/A

Regulator's Contact Details

Local Authority Details

Local Authority Name	N/A
Contact Name	N/A
Contact Telephone	N/A
Contact Email	N/A
Contact Role	N/A

Regulator Details

Regulator	N/A
Contact Name	N/A
Contact Telephone	N/A
Contact Email	N/A
Contact Role	N/A

SQP Details

SQP Name	Marcus Bell
SQP Registration No.	SQP0117
Telephone	01954710666
Email	mbell@epstrategies.co.uk
Organisation	Environmental Protection Strategies Ltd
Address	7B Caxton House, Broad St, Cambourne, CB23 6JN
Chartered or Professional Institution	Institute of Environmental Management Assessment
Chartered or Professional Institution Membership Reference	0014938

Declaration

I, Marcus Bell, confirm that I am the person described in the SQP Details section and hold current valid registration as a Suitably Qualified and Experienced Person Registration No. SQP0117 with the NQMS.

I have reviewed the document described in the Document Details section, in relation to the project and site described in the Site Details section, and I am satisfied that:

1. The work has been carried out by appropriately capable people with reference to the Brownfield Skills Framework.
2. That the work carried out is, to the best of my knowledge, undertaken with reasonable skill and care, and the information and data reported:
    i. describe an appropriate scope and objectives and
    ii. accord with relevant good practice guidance and standards and
    iii. are based upon appropriately robust science and
    iv. are factually correct and
    v. have been appropriately reviewed.
3. That all specialist aspects have been reviewed by an appropriately qualified/competent person with relevant skills and experience in that specialist area.
4. That the interpretation and conclusions are reasonable.
5. That proposals to mitigate actual potential or residual risks are appropriate.
6. I am competent to sign this Declaration and that
    a. I am fully aware and comply with the Code of Conduct of Institute of Environmental Management Assessment through which I hold Chartership 0014938.
    b. The work of this review and Declaration are within the limits of my knowledge, competence and professional capacity.

Note: The document that has been reviewed was prepared by the organisation named for the benefit of the named Client who has reliance upon it. Any professional liability arising from any proven negligent act or omission by the Company carrying out the work and publishing the document rests with that Company and not with the SQP or the NQMS.

Signed: M. Bell

Date: 22/3/21

0321-D3093

Name: MARCUS BELL
[Block capitals]

APPENDIX 1 – TECHNICAL AUDITING OF REPORTS

In order to have confidence in the conclusions that are presented within any report it is necessary for clients, regulators and stakeholders to know that the data has been audited in a way that ensures that it is fit for purpose. To this end the SQP is directed to apply the following list of critical questions and challenges in using their experience to assess the suitability of any product and before signing off the declaration which accompanies any report.

The lists below have been compiled by regulators and practitioners experienced in the peer review of land contamination management data. They are not meant to be exhaustive in their coverage, but they do focus attention on those aspects of submissions that tend to have the most influence on decisions made and regulatory acceptability. The lists are not meant to duplicate or replace other standard checklists or quality management and control measures that are also used to ensure the factual (as opposed to interpretative) content, accuracy or style of reports.

For all Land Contamination Management Reports	
• Are the aims and objectives of the project and the purpose of the report clearly set out? ✓ • Has all information been presented and summarised in a clear and understandable way? ✓ • Have relevant uncertainties been highlighted together with their implications for any conclusions drawn? ✓ • Are the overall conclusions and recommendations robust and justified by the supporting data being presented? ✓ • Are the next steps appropriate and clearly justified? ✓ • Has the approach adopted for the site followed best practice and up-to-date guidance? ✓	

For Reports dealing with RISK ASSESSMENT (Stage 1)
Preliminary Risk Assessment (PRA) • Given the nature and size of the development, has a reasonable desk and site based study been presented to establish the land use history and environmental setting of the site and identified relevant contaminants, pathways and receptors? - See Phase I • Has a representative conceptual site model (CSM) been presented which identifies and assesses all relevant pollutant linkages having regard to the current and/or future site use (as appropriate)? ✓ • Have the limitations/uncertainties in the PRA and their effects on conclusions/recommendations been considered? ✓ • Has the basis of the decisions for the proposed next steps (e.g. no action, remediation or further risk assessment) been clearly presented and justified? ✓

For Reports dealing with RISK ASSESSMENT (Stages 2 & 3)

Generic Quantitative Risk Assessment (GQRA)

- Is the site investigation design robust enough to gather the necessary site data, having regard to the aims and objectives of the project, the site setting and the CSM? In particular,
  - Have appropriate generic assessment criteria and tools been identified to enable risk estimation and evaluation and have their data requirements been incorporated into the design? ✓
  - Are the choices of investigatory techniques appropriate? ✓
  - Are the number, nature and locations of samples, testing and monitoring regimes sufficient? ✓
- Has the collected site data been analysed and risks estimated appropriately using the right tools, techniques or methods. In particular,
  - Have the right substances been quantified with appropriate limits of detection? ✓
- Have the pollutant linkages and risks to human health/controlled waters/other receptors been evaluated using appropriate generic assessment criteria and assumptions in line with the latest technical or regulatory guidance on compliance? ✓
- Have the limitations/uncertainties in the GQRA and their effects on conclusions been considered? ✓
- Has the basis of the decisions for the proposed next steps (e.g. further action, no action, remediation or further risk assessment) been clearly presented and justified? ✓

Detailed Quantitative Risk Assessment (DQRA) N/A (only applied to vapour)

- Is the site investigation design robust enough to be able to gather the necessary data, having regard to the aims and objectives of the project, the site setting, the CSM and other parameters to develop site specific risk estimation models and site specific assessment criteria? (as per GQRA list above)
- Has the collected site data been analysed and risks estimated appropriately using the right tools, techniques models or methods. In particular,
  - Have the right substances been quantified with appropriate limits of detection?
  - Do the data/parameters used in any model adequately reflect actual site conditions?
  - Has any modelling been subject to sensitivity analysis and are the consequences of adopting more/less conservative data adequately expressed?
- Have the pollutant linkages and risks to human health/controlled waters/other receptors been evaluated using appropriate site specific assessment criteria and assumptions in line with the latest technical or regulatory guidance on compliance?
- Have the limitations/uncertainties in the DQRA and their effects on conclusions considered?
- Has the basis of the decisions for the proposed next steps (e.g. further action, no action, remediation or further risk assessment) been clearly presented and justified?

APPENDIX E

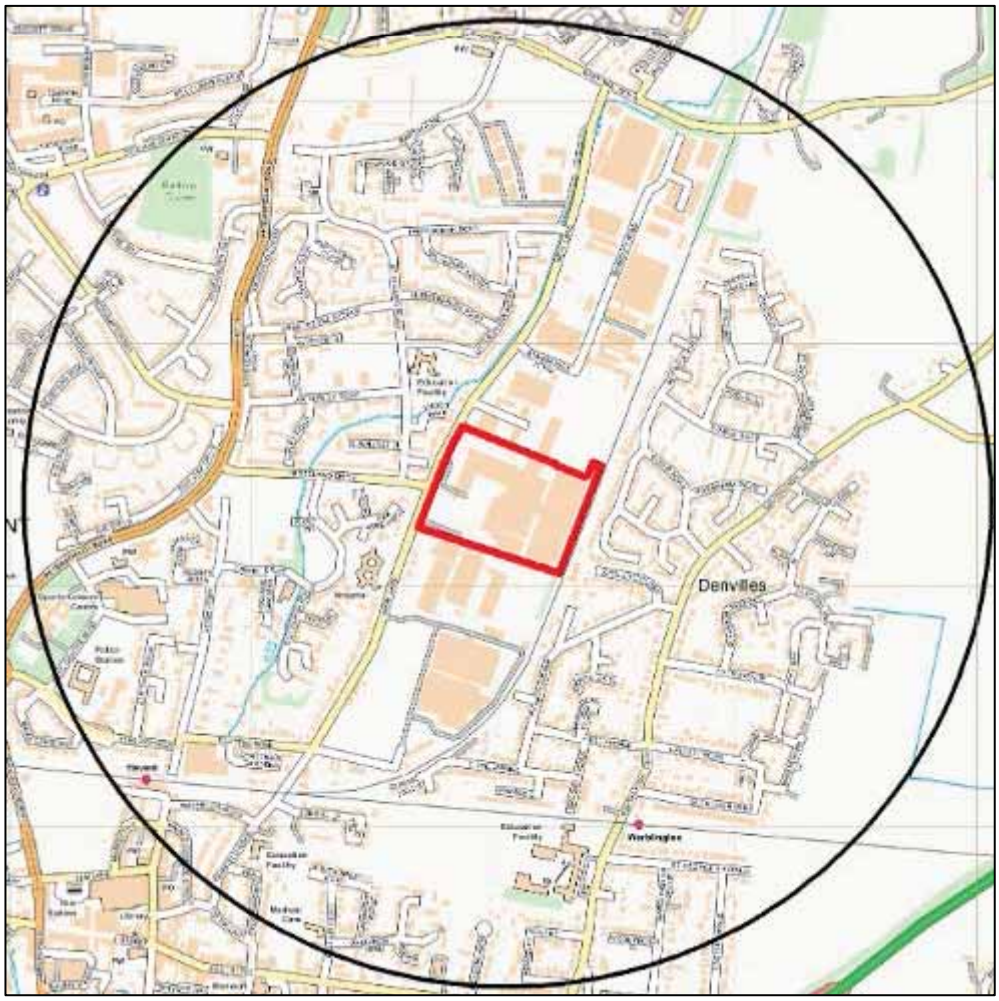
Preliminary UXO Assessment

Landmark Information Group Ltd
Imperium, Imperial Way
Reading, Berkshire
RG2 0TD,
United Kingdom

T: +44 (0) 844 844 9952
W: www.envirocheck.co.uk

PRELIMINARY UNEXPLODED ORDNANCE (UXO) THREAT ASSESSMENT

Meeting the requirements of *CIRIA* C681 'Unexploded Ordnance (UXO) – A guide for the Construction Industry' Risk Management Framework



6 ALPHA PROJECT NUMBER	8657	**ORIGINATOR**	D. Barrett
LANDMARK ORDER NUMBER	271735793_1	**REVIEWED BY**	L. Hayes (18th January 2021)
CLIENT REFERENCE	UK20.5052C	**RELEASED BY**	L. Gregory (19th January 2021)
STUDY SITE	Site at 472460, 107260		
RECOMMENDATION	No further action is required to address the UXO risk at this Study Site		

UNEXPLODED ORDNANCE THREAT ASSESSMENT

STUDY SITE

The Study Site is described as "Site at 472460, 107260", and it is centred on National Grid Reference 472530, 107170.

THREAT POTENTIAL AND RECOMMENDATIONS

The potential for a UXO hazard to occur, and more specifically, the potential for unexploded WWI and WWII ordnance to exist at this site is assessed as being UNLIKELY (*Figure 2*).

In accordance with *CIRIA* C681 Chapter 5 on managing UXO risks, *6 Alpha* concludes that **NO FURTHER ACTION** is required to address the UXO risk at this Study Site. Should you have any queries, please contact *Envirocheck*.

Telephone: +44 (0)844 844 9952 Email: customerservice@envirocheck.co.uk

REPORT SUMMARY

During WWII, the Study Site was situated within *Havant & Waterloo Urban District*, which recorded eight High Explosive (HE) bomb strikes per 100 hectares; a very low level of bombing.

Luftwaffe aerial reconnaissance photography associated with the Study Site did not identify any primary bombing targets on-site, or within 1,000m of the Study Site boundary.

Air Raid Precaution (ARP) records were not available. Nonetheless, further research noted five bomb strikes within 660m; the closest impacting on *Fourth Avenue*, approximately 160m south.

Official bomb damage mapping was not available. An analysis of post-war mapping also did not identify any bomb damage, however, further research noted bomb damage to *Fourth Avenue* (160m south) and *Hallet Road* (550m south-east).

Whilst bombing was recorded in the wider area, as there was no bombing or bomb damage recorded in the Study Site's immediate vicinity during WWII, there is no evidence to suggest that further investigation into UXO is warranted.

USING THIS REPORT

This Preliminary Assessment is designed to inform environmental and construction professionals of the potential threat of military related explosives and/or ordnance on, or in, the vicinity of the Study Site.

This assessment is designed to be employed as a site-screening tool to meet with the requirement of Phase One of the *CIRIA UXO Risk Management Framework*; there are two broad prospective outcomes; either the threat level requires a detailed threat & risk assessment; or no further action is required. In the former instance we can provide a report within 10 working days (or more quickly upon application).

Two figures accompany the report, the *Second World War* (WWII) High Explosive (HE) Bomb Density and the final Probability of UXO Encounter. The purpose of this approach is to demonstrate that whilst bomb density statistics give an indication for WWII bombing, they should not be relied upon exclusively to generate a holistic assessment.

For further information, please contact *Envirocheck*:

Website: http://www.envirocheck.co.uk

Telephone: +44 (0)844 844 9952

Email: customerservice@envirocheck.co.uk

DATA FINDINGS

Threat Source (within 1,000m)		Detail	
		Identified	Comments
	Airfields/Military Facilities	✔	*West Leigh Camp* was identified approximately 300m north-west and was occupied by the *Royal Navy* during WWII.
	Ordnance Manufacture/Storage	✘	None recorded within 1,000m.
	WWII Decoy Bombing Sites	✘	None recorded within 1,000m.
	WWII Defensive Features	✘	None recorded within 1,000m.
	WWII *Luftwaffe* Designated Bombing Targets	✘	*Luftwaffe* aerial photography did not identify any primary bombing targets on-site, or within 1,000m of the Study Site boundary.
	WWII Bomb Strikes (Study Site Boundary)	✘	ARP records were not available.
	WWII Bomb Strikes (Wider Area)	✔	Further research identified bomb strikes; 160m south, 330m north-east, 525m south-east, 620m south-east and 660m east-north-east.
	WWII Bomb Damage	✔	Further research identified bomb damage 160m south and 550m south-east.
	Abandoned Bomb Register	✘	The official abandoned bomb list did not identify any abandoned bombs on-site, or within 1,000m of the Study Site boundary.
	Potential Threat Sources	✘	Further research has not uncovered any potential UXO threat sources associated with the Study Site.
	WWII Bombing Density Per 100 Hectares	✔	The Study Site was located within *Havant & Waterloo Urban District*, which recorded eight HE bomb strikes per 100 hectares.

IMPORTANT NOTES

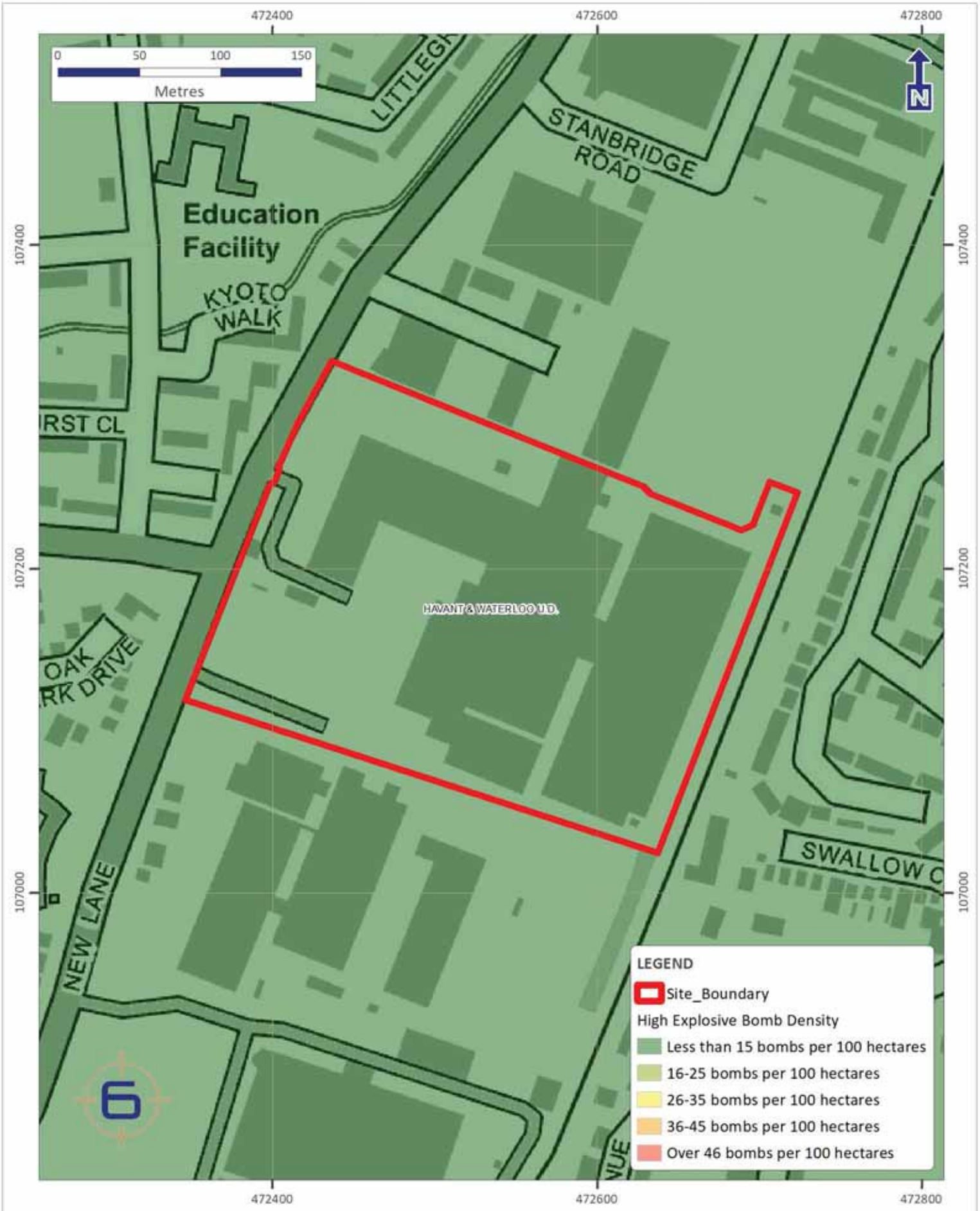
1. The term 'Preliminary UXO Threat Assessment' has been used to describe this report, to fall in line with the *CIRIA* C681 guidelines. Whilst the term 'Risk' can be justifiably used at this stage, the reader should note that the 'Consequence' function of 'Risk' is not considered. Should it be required, this would be addressed in the 'Detailed UXO Threat & Risk Assessment' (Stages 2 and 3).
2. This report is accurate and up to date at the time of writing.
3. The assessment levels have been generated from historical data and third-party sources. Where possible *6 Alpha* have sought to verify the accuracy of such data, but cannot be held accountable for inherent errors that may be in third party data sets (e.g. *National Archives* or library sources).
4. *6 Alpha* have exercised all reasonable care, skill and due diligence in producing this service.
5. Whilst every effort has been used to identify all potential UXO/explosive threats, there were a number of private facilities, which may not have released privately recorded information concerning UXO/explosive threats into the public domain. It is therefore possible that some of the aforementioned sites may not be included within the database.

BRITISH NATIONAL GRID

SITE AT 472460, 107260

WWII High Explosive Bomb Density

BOMB SEARCH
WWW.6ALPHA.COM



PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE
8657	1	CC	LG	18 January 2021

Contains Ordnance Survey data © Crown copyright and database right 2017

Produced by and Copyright to 6 Alpha Associates Ltd. Users noting any errors please notify 6 Alpha.

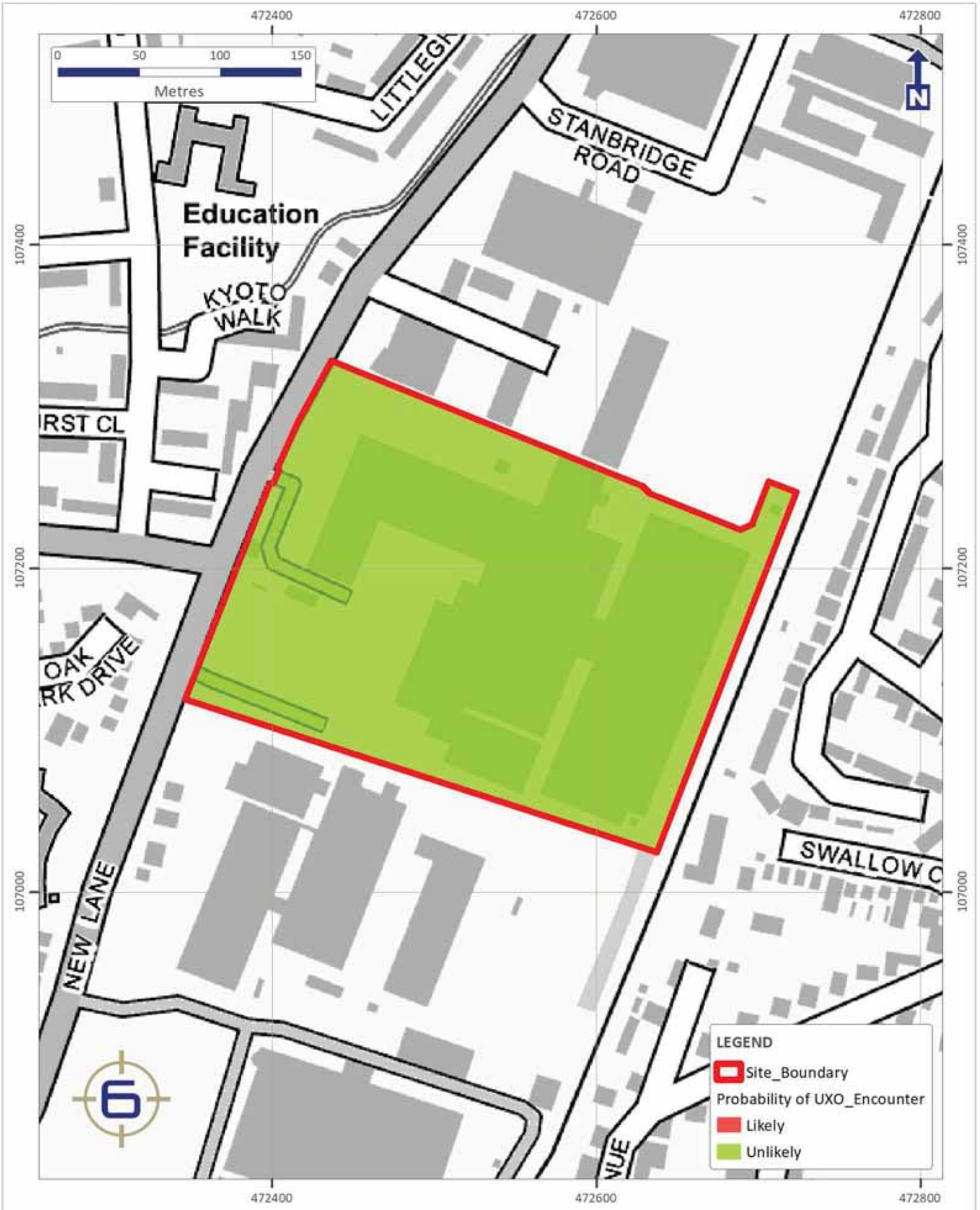
alpha ASSOCIATES

BRITISH NATIONAL GRID

SITE AT 472460, 107260

Probability of UXO Encounter

BOMB SEARCH
WWW.6ALPHA.COM



PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE			
8657	2	CC	LG	18 January 2021	Contains Ordnance Survey data © Crown copyright and database right 2017	Produced by and Copyright to 6 Alpha Associates Ltd. Users noting any errors please notify 6 Alpha.	alpha ASSOCIATES

APPENDIX F

Site Specific Borehole and Trial Pit Logs

Borehole Log

Borehole No. **BH01**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472465.00 - 107289.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.20	Scale 1:50
Client: ATG Group		Dates: 02/02/2021 - 03/02/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	15.05		GRAVEL Surfacing
								MADE GROUND: Brown, gravelly CLAY
		1.50		N=50 (3,9/50 for 295mm)				
					2.20	13.00		MADE GROUND: CONCRETE
		2.50	D		2.50	12.70		
		2.50		N=50 (3,9/50 for 285mm)				Dense to very dense, black, white and brown chert very sandy silty GRAVEL with occasional firm grey clay lumps. Sand is olive brown. (RTD)
		2.50 - 3.00	ES					
		3.50		N=50 (3,9/50 for 295mm)				
		4.50		50 (3,12/50 for 240mm)				
		4.50 - 5.00	B					
					5.30	9.90		
		5.50		N=11 (1,2/2,3,3,3)				Soft to firm, grey, clayey SILT (LC)
		7.00		N=10 (2,2/2,2,3,3)				
					8.00	7.20		Firm to stiff, dark grey CLAY. (LC)
		9.00		N=25 (3,5/5,6,7,7)				
		10.00		N=33 (3,5/5,7,9,12)				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH01**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472465.00 - 107289.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.20	Scale 1:50
Client: ATG Group		Dates: 02/02/2021 - 03/02/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.00 - 10.45	D					
		12.00		N=41 (5,6/8,8,11,14)	12.00	3.20		End of borehole at 12.00 m
		12.00 - 12.45	D					

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH02**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472451.00 - 107252.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.10	Scale 1:50
Client: ATG Group		Dates: 28/01/2021 - 29/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	14.95		GRAVEL Surfacing
								MADE GROUND: Gravelly CLAY
		1.15 - 2.00	D					
		1.20		N=19 (3,4/3,5,5,6) PID=0	1.20	13.90		
		1.20 - 1.65	B					Stiff, brown, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is brown, black, and white angular to subrounded chert, rare white subangular chalk. Clayey gravel in places. (RTD)
		2.00		N=18 (2,3/4,4,4,6) PID=0				
	▼	3.00		N=33 (6,8/9,9,8,7) PID=0				
	▽	3.50 - 4.00	ES		3.40	11.70		Loose, slightly sandy GRAVEL (RTD)
		3.95 - 4.00	D					
		4.00		N=6 (3,1/1,1,2,2) PID=0				
					4.60	10.50		Stiff, brown, slightly silty, gravelly CLAY (LC)
		5.00		N=5 (1,0/1,1,1,2)				
		6.00		N=1 (1,0/0,0,1,0) PID=0	5.90	9.20		Soft, brownish-grey, silty, sandy CLAY (LC)
		7.50		N=20 (2,3/4,4,6,6) PID=0	7.60	7.50		Stiff, dark greyish brown, calcareous CLAY (LC)
		9.00 - 9.45	U					
		9.45 - 9.50	D					

Continued on next sheet

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH02**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472451.00 - 107252.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.10	Scale 1:50
Client: ATG Group		Dates: 28/01/2021 - 29/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50		N=26 (4,5/6,6,7,7)				
					12.00	3.10		End of borehole at 12.00 m

11 12 13 14 15 16 17 18 19 20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH03**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472611.00 - 107201.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.23	Scale 1:50
Client: ATG Group		Dates: 25/01/2021 - 26/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.80	ES		0.15	15.08		GRAVEL SURFACING
								MADE GROUND: Brown, gravelly CLAY
		1.20		N=50 (4,21/50 for 150mm)	1.30	13.93		
								MADE GROUND: Brown, sandy GRAVEL with brick and concrete
		2.00		N=27 (4,4/7,7,6,7) PID=0	1.90	13.33		Firm to stiff, brown, very gravelly CLAY with variable gravel content and some gravel lenses. Black, white and brown angular to rounded chert. (RTD)
		2.00 - 2.45	B					
		2.95 - 3.00	D					
		3.00		N=27 (4,6/6,7,8,6) PID=1				
					3.60	11.63		Firm, brown, silty, gravelly CLAY. Black, white and brown angular to rounded chert. (RTD)
		4.00		N=6 (2,0/1,2,1,2) PID=0				
					4.80	10.43		Firm, light greyish brown calcareous CLAY with occasional light grey mottling. (LC)
				PID=1				
		5.00 - 5.45	U					
		6.00		N=9 (1,0/1,2,2,4) PID=0	6.00	9.23		Loose, grey SILT (LC)
				PID=0				
		7.50		N=22 (4,5/5,6,6,5)	7.60	7.63		Stiff, dark greyish brown CLAY with rare shell fragments. (LC)
				PID=0				
				PID=0				
								Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH03**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472611.00 - 107201.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.23	Scale 1:50
Client: ATG Group		Dates: 25/01/2021 - 26/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50		N=25 (3,4/5,6,6,8)				
		12.00 - 12.45	U	PID=0	12.00	3.23		End of borehole at 12.00 m
		12.45 - 12.50	D					

11
12
13
14
15
16
17
18
19
20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

AGS

Borehole Log

Borehole No. **BH04**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472590.00 - 107140.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.26	Scale 1:50
Client: ATG Group		Dates: 26/01/2021 - 27/01/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	14.96		CONCRETE
		0.50	ES					Firm to stiff, yellowish brown gravelly slightly sandy silty CLAY with variable gravel content and some gravel lenses. Gravel is brown, black and white fine to coarse angular to rounded chert. (RTD)
				PID=0				
		1.50		N=37 (2,2/5,9,11,12)				
				PID=1				
		2.50		N=43 (3,5/5,9,12,17)				
				PID=0				
		3.50		N=50 (3,9/9,14,17,10)				
		3.50 - 4.00	B					
				PID=0				
		4.50		N=41 (3,8/7,9,11,14)				
				PID=0				
		5.50		N=15 (2,2/3,3,4,5)	5.40	9.86		Soft to firm, orange-brown, sandy CLAY (RTD)
		5.50 - 5.95	D					
				PID=1	6.20	9.06		Soft, grey, very silty CLAY (LC)
		7.00		N=9 (1,1/2,2,2,3) PID=0				
	▼							
				PID=0				
		8.50		N=7 (1,1/1,2,2,2)				
	▽							
				PID=0	9.10	6.16		Stiff to very stiff slightly fissured greyish brown CLAY locally silty with occasional olive grey mottling (LC)
		10.00		N=21 (3,3/4,5,5,7)				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH04**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472590.00 - 107140.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.26	Scale 1:50
Client: ATG Group		Dates: 26/01/2021 - 27/01/2020	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
				PID=0					
				PID=2					11
		11.50 - 11.95	U						
				PID=0					12
		13.00		N=29 (4,6/6,7,7,9) PID=0					13
				PID=0					14
		14.95 - 15.00	D						
				PID=0					15
		16.00		N=38 (3,5/7,7,11,13) PID=0					16
				PID=0					17
		17.50 17.50 - 17.95	D	N=38 (5,7/7,7,10,14)					
				PID=0					18
		19.00 - 19.45	U	PID=0					19
					20.00	-4.74		End of borehole at 20.00 m	20

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH08**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472457.00 - 107109.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 14.46	Scale 1:50
Client: ATG Group		Dates: 01/02/2021 - 02/02/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	14.26		Bituminous Surfacing
								MADE GROUND: Brown, gravelly CLAY
		0.80	ES		0.80	13.66		Soft to firm, brown, gravelly CLAY with variable gravel content and some gravel lenses (RTD)
		1.50		N=44 (6,6/6,9,12,17)				
	▼				1.90	12.56		Dense to very dense, black, brown and white angular to subrounded chert, very sandy slightly silty GRAVEL with rare soft brown clay lumps. Sand is pale yellow. (RTD)
		2.50		50 (6,9/50 for 215mm)				
		2.50 - 3.00	B					
		2.50 - 3.00	ES					
		3.50		N=50 (8,12/50 for 225mm)				
		4.50		N=50 (6,9/12,16,19,3)				
					5.20	9.26		Medium dense orange brown medium SAND & GRAVEL. (RTD)
		5.50		N=33 (4,6/6,7,7,13)				
		7.00		N=24 (3,5/5,5,7,7)				
					7.40	7.06		Stiff to very stiff fissured dark greyish brown CLAY with occasional dark grey mottling. (LC)
		8.50 - 8.95	U					
		10.00		N=27 (3,3/6,7,7,7)				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH08**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472457.00 - 107109.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 14.46	Scale 1:50
Client: ATG Group		Dates: 01/02/2021 - 02/02/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.00 - 10.45	D					
		11.95 - 12.00	ES					End of borehole at 12.00 m
		13.00		N=46 (4,7/7,9,13,17)				
		14.50 - 14.95	U					
					20.00	-5.54		

11 12 13 14 15 16 17 18 19 20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH10**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472505.00 - 107210.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.11	Scale 1:50
Client: ATG Group		Dates: 25/01/2021 - 26/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	14.96		GRAVEL Surfacing
								MADE GROUND: Brown, gravelly CLAY
		0.70 - 0.90	ES		0.80	14.31		
				PID=1				Stiff to very stiff, yellowish-brown, sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is brown, black and white fine to coarse angular to rounded chert. (RTD)
		1.50		N=50 (3,9/13,13,19,5)				
		1.50 - 2.00	B					
				PID=0				
					2.20	12.91		Dense to very dense, brown, black and white angular to rounded sandy slightly silty GRAVEL. Sand is brown. (RTD)
		2.50		50 (12,13/50 for 220mm)				
		2.50 - 3.00	D					
				PID=0				
		3.50		N=50 (6,12/12,13,13,12)				
		3.50 - 4.00	B					
				PID=0				
		4.50		N=50 (6,9/9,11,17,13)				
				PID=1				
					5.30	9.81		Medium dense, greyish brown sandy SILT / Firm CLAY with rare shell debris. (LC)
		5.50 - 5.95	U					
		5.95 - 6.00	D					
				PID=2				
		7.00		N=10 (2,2/2,2,3,3) PID=2				
				PID=0				
		8.50		N=11 (2,2/2,3,3,3)				
				PID=0				
					9.80	5.31		Firm to stiff fissured greyish brown CLAY locally
				PID=0				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH10**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472505.00 - 107210.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.11	Scale 1:50
Client: ATG Group		Dates: 25/01/2021 - 26/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								silty with occasional grey and light olive brown mottling (LC)	
		10.45 - 10.50	D						
				PID=0					11
		11.50		N=24 (3,3/5,5,7,7)					
				PID=0					12
		13.00		N=31 (3,5/6,7,9,9) PID=0					13
				PID=0					14
		14.50 - 14.95	U						
				PID=0					15
		16.00		N=38 (3,5/7,9,9,13) PID=0					16
				PID=0					17
		17.50		N=42 (5,7/7,9,13,13)					
				PID=0					18
		19.00		N=40 (5,7/9,9,11,11) PID=0					19
					20.00	-4.89		End of borehole at 20.00 m	20

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH11**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472398.00 - 107129.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 13.78	Scale 1:50
Client: ATG Group		Dates: 27/01/2021 - 28/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.50	ES	PID=0	0.18	13.60		Bituminous Surfacing
								MADE GROUND: orangish-brown, very clayey sandy GRAVEL
				PID=0	1.10	12.68		
		1.50		50 (25 for 75mm/50 for 75mm)				MADE GROUND: obstruction, no recovery
				PID=0	1.80	11.98		Dense to very dense, black, white and brown angular to subrounded chert sandy slightly sandy slightly clayey GRAVEL. Sand is brown. (RTD)
		2.50		50 (9,12/50 for 190mm)				
		2.50 - 3.00	B	PID=0				
		3.50		N=41 (9,12/13,18,5,5)	3.60	10.18		
		3.60 - 4.00	D	PID=0				Soft, creamy orange, gravelly CLAY. Gravel is medium flint. (RTD)
	▼				4.30	9.48		
	▽	4.50		N=18 (2,2/3,3,3,9)				Medium dense, creamy orange, slightly clayey, gravelly SAND (RTD)
				PID=0				
		5.50		N=27 (2,2/5,6,8,8)				
				PID=0				
		7.00		N=28 (2,3/4,6,7,11) PID=0				
					7.80	5.98		
				PID=0				Stiff to very stiff fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling (LC)
				PID=0				
		10.00		N=30 (3,7/7,7,8,8)				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH11**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472398.00 - 107129.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 13.78	Scale 1:50
Client: ATG Group		Dates: 27/01/2021 - 28/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
				PID=0					
				PID=0					11
		11.50		N=37 (3,5/7,8,11,11)					
		11.50 - 11.95	D						
				PID=0					12
				PID=0					13
		13.00 - 13.50	U						
		13.45 - 13.50	D						
				PID=0					14
		14.50		N=39 (3,7/7,8,11,13)					
				PID=0					15
		16.00		N=40 (4,7/9,9,9,13)					16
				PID=0					
				PID=0					17
		17.50 - 17.95	U						
				PID=0					18
		19.00		N=41 (6,8/9,10,11,11)					19
				PID=0					
					20.00	-6.22		End of borehole at 20.00 m	20

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH12**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472351.00 - 107120.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 13.66	Scale 1:50
Client: ATG Group		Dates: 29/01/2021 - 29/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.50	ES	PID=0				MADE GROUND: Brown gravelly CLAY
		1.10 - 2.00	B	PID=0	1.20	12.46		
		1.50		N=29 (3,5/5,6,9,9)				Medium dense to dense, black, white and brown angular to rounded chert GRAVEL in a firm brown and dark brown sandy clay matrix. (RTD)
				PID=0				
		2.50		N=41 (3,5/5,6,13,17)				
		2.50 - 3.00	ES					
				PID=0				
		3.50		N=31 (3,9/13,12,2,4)				
					3.70	9.96		
				PID=0				Medium dense, creamy brown, slightly clayey, slightly silty, gravelly SAND (RTD)
		4.50		N=16 (2,3/3,4,4,5)				
				PID=0				
		5.50		N=18 (2,2/3,3,5,7)				
				PID=0				
		6.20	B		6.20	7.46		Very soft greyish brown slightly sandy silty slightly organic CLAY / clayey SILT with occasional grey mottling, and rare gravel. (LC)
		7.00	U	PID=0	6.90	6.76		Firm to stiff, fissured dark greyish brown CLAY with occasional greyish brown, rare dark grey mottling, and shell and fossil debris. (LC)
		7.45 - 7.50	D					
				PID=0				
		8.50		N=30 (3,5/5,7,9,9)				
				PID=0				
		10.00	U					

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH12**

Sheet 2 of 2

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472351.00 - 107120.00	Hole Type CP
Location:	32 New Lane, Havant, PO9 2NG		Level:	13.66	Scale 1:50
Client:	ATG Group		Dates:	29/01/2021 - 29/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
				PID=0				
				PID=0				
		11.50		N=34 (5,5/6,7,8,13)				
				PID=0	12.00	1.66		End of borehole at 12.00 m

11 12 13 14 15 16 17 18 19 20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH13**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472508.00 - 107248.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.11	Scale 1:50
Client: ATG Group		Dates: 27/01/2021 - 28/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	14.96		GRAVEL Surfacing
								MADE GROUND: Brown, gravelly CLAY
		1.00	ES	PID=2				
		1.20		N=37 (6,7/7,8,9,13)	1.20	13.91		Stiff to very stiff, brown, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is black, white and brown angular to rounded chert (RTD)
		2.00		N=48 (8,11/11,13,13,11) PID=0				
		2.00 - 2.45	B					
	▼	3.00		N=11 (7,5/5,4,2,0) PID=0				
					3.40	11.71		Very soft to soft, light brown, silty, sandy CLAY (RTD)
		4.00		N=0 (1,0/0,0,0,0) PID=1				
		4.95 - 5.00	D					
		5.00		N=8 (1,2/1,2,2,3) PID=0				
					5.70	9.41		Very soft brown sandy silty CLAY with rare shell debris. Sand is fine. (LC)
		5.95 - 6.00	D					
		6.00		N=7 (1,0/1,2,1,3) PID=0				
		6.00 - 6.50	ES					
				PID=0	7.00	8.11		Stiff, grey, fissured CLAY (LC)
		7.50		N=19 (4,6/6,5,4,4)				
				PID=0				
		8.95 - 9.00	D					
				PID=0				
								Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH13**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472508.00 - 107248.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.11	Scale 1:50
Client: ATG Group		Dates: 27/01/2021 - 28/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50		N=24 (3,4/6,6,6,6)				
		12.00 - 12.45	U		12.00	3.11		End of borehole at 12.00 m

11 12 13 14 15 16 17 18 19 20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH16**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472688.00 - 107179.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.22	Scale 1:50
Client: ATG Group		Dates: 22/02/2021 - 25/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	15.02		CONCRETE
					0.30	14.92		MADE GROUND: Type 1 hardcore
				PID=0				Firm to stiff, brown, gravelly CLAY. Gravel is flint. (RTD)
		1.20		N=34 (7,13/9,8,8,9)				
				PID=0				
		2.00		N=44 (8,10/10,10,14,10)				
				PID=0				
		2.95 - 3.00	D					
		3.00		N=16 (5,5/6,6,3,1)				
				PID=0				
					3.60	11.62		Very soft to soft brownish yellow slightly gravelly sandy silty CLAY. Gravel is black and white fine to coarse angular to subangular chert. Sand is fine. (RTD
		3.90 - 4.00	D					
		4.00		N=7 (1,0/0,1,2,4)				
				PID=0				
		4.90 - 5.00	D					
		5.00 - 5.45	U					
					5.10	10.12		Firm greyish brown slightly sandy calcareous CLAY with occasional light grey and light brownish grey mottling, rare orange staining, and gravel. (LC)
		6.00		N=1 (1,0/0,0,1,0)				
					6.10	9.12		Very loose to loose, grey, sandy, clayey SILT (LC)
		6.50	ES					
				PID=0				
		6.95 - 7.00	D					
				PID=0				
		7.50		N=15 (4,3/3,4,4,4)				
				PID=0	7.60	7.62		Firm, grey, silty CLAY with shell traces (LC)
					8.30	6.92		Stiff fissured dark greyish brown CLAY with occasional dark grey mottling, and rare fossil and shell debris. (LC)
				PID=1				
		9.95 - 10.00	D					
								Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH16**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472688.00 - 107179.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.22	Scale 1:50
Client: ATG Group		Dates: 22/02/2021 - 25/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
				PID=1				
		10.50		N=24 (3,4/5,5,7,7)				
				PID=0				
		11.95 - 12.00	D	PID=0	12.00	3.22		End of borehole at 12.00 m
		12.00 - 12.45	U					

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Borehole Log

Borehole No. **BH17**

Sheet 1 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472651.00 - 107094.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.21	Scale 1:50
Client: ATG Group		Dates: 20/01/2021 - 21/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	15.01		CONCRETE
		0.40 - 0.60	ES		0.45	14.76		MADE GROUND: type 1 hardcore
				PID=0				MADE GROUND: Brown, gravelly CLAY
		1.20		N=50 (3,22/50 for 75mm)				
					1.40	13.81		CONCRETE
					1.60	13.61		Dense, slightly sandy GRAVEL (RTD)
		2.00		N=38 (9,9/8,9,10,11)				
		3.00		N=31 (5,8/8,7,7,9) PID=0	2.90	12.31		Firm to stiff, brown, slightly gravelly CLAY (RTD)
		3.50 - 4.00	B		3.40	11.81		Loose to medium dense, black, white and brown angular to rounded chert, and rare brick, concrete, and brick slightly sandy slightly clayey GRAVEL. Sand is brown. (RTD)
		3.95 - 4.00	D					
		4.00		N=2 (3,1/1,0,1,0) PID=0 PID=0	4.10	11.11		Soft, brown, silty CLAY (LC)
		5.00		N=2 (1,0/0,1,1,0)	4.80	10.41		Soft, grey, very silty CLAY (LC)
		5.95 - 6.00	D					
		6.00		N=7 (2,3/2,1,2,2)	6.00	9.21		Soft to firm, greenish grey, clayey SILT (LC)
		6.95 - 7.00	D	PID=0				
		7.50		N=14 (2,1/2,2,4,6)	7.70	7.51		Stiff fissured friable calcareous CLAY with occasional dark grey mottling, and rare shell and fossil debris. (LC)
		8.95 - 9.00	D					
		9.00		N=25 (5,4/4,5,6,10)				
				PID=0				

Continued on next sheet

Remarks

RTD= River Terrace Deposits

LC = London Clay Formation

Borehole Log

Borehole No. **BH17**

Sheet 2 of 2

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472651.00 - 107094.00	Hole Type CP
Location: 32 New Lane, Havant, PO9 2NG		Level: 15.21	Scale 1:50
Client: ATG Group		Dates: 20/01/2021 - 21/01/2021	Logged By

Well	Water Strikes	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		12.00 - 12.45	U		12.00	3.21		End of borehole at 12.00 m

11
12
13
14
15
16
17
18
19
20

Remarks
RTD= River Terrace Deposits
LC = London Clay Formation

Trial Pit Log

Trialpit No **TP01**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472431.00 - 107301.00 Level: 14.13	Date 27/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): Depth 2.70, 1.8 × 0.65	Scale 1:15
Client: ATG Group			Logged RC

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	13.98		Concrete hardstanding with rebar reinforcement
	0.50	ES	PID=0				Firm medium brown sandy very gravelly cobbly CLAY with variable gravel content and some gravel lenses. Gravel is subrounded to angular flint. (RTD)
							Slight colour change to light brown...
	1.50 1.50	B ES	PID=0				
▼	2.00 - 2.70	B		2.70	11.43		End of pit at 2.70 m

1 2 3

Remarks: RTD= River Terrace Deposits
Groundwater was struck at a depth of 2.7m during excavation resting at 2.65m after 30 mins.

Stability: Moderate

Trial Pit Log

Trialpit No **TP02**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472485.00 - 107277.00 Level: 15.12	Date 26/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): 1.4 × 0.6 Depth 2.10	Scale 1:15
Client: ATG Group			Logged DB

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20	14.92		MADE GROUND: Gravel at surface over dark grey gravelly CLAY with brick fragments and rare concrete.
	0.50	ES	PID=0				MADE GROUND: Dark brown with light brown mottling very gravelly CLAY with coarse angular flint gravel and rare cobbles. (Reworked Ground)
				0.80	14.32		Firm yellowish brown very sandy gravelly CLAY with variable gravel content and some gravel lenses. Gravel is medium to coarse flint. (RTD)
	2.00	ES	PID=0				
				2.10	13.02		End of pit at 2.10 m

1

2

3

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Moderately poor.

Trial Pit Log

Trialpit No **TP11**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472452.00 - 107201.00 Level: 15.22	Date 28/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): 2.1 x 0.7 Depth 2.30	Scale 1:15
Client: ATG Group			Logged

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	15.12		Gravel surfacing over plastic membrane.
							MADE GROUND: Light brown very gravelly CLAY with concrete cobbles, rare wiring and other construction debris including coarse brick fragments with coarse angular flint gravel.
	0.50	ES	PID=0				
	1.50	ES					*Concrete boulders recovered and rebar reinforcement recovered above a redundant cast iron pipe of 0.17m diameter...*
	1.50	ES	PID=0	1.60	13.62		Soft to firm brown very gravelly slightly cobbly CLAY with variable gravel content and some gravel lenses. Gravel is flint (RTD)
	1.80 - 2.30	B					
			PID=0				
				2.30	12.92		End of pit at 2.30 m

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Poor

Trial Pit Log

Trialpit No **TP12**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472444.00 - 107161.00 Level: 14.65	Date 27/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): Depth 2.60; 1.9 × 0.6	Scale 1:15
Client: ATG Group			Logged RC

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.09	14.56		Asphalt surfacing.
			PID=0				MADE GROUND: Pink sandy medium to coarse angular limestone GRAVEL. (SUBBASE)
	0.20 - 0.40 0.20 - 0.40	ES		0.22	14.43		MADE GROUND: Light grey mottled brown clayey silty GRAVEL with medium brick and concrete fragments.
				0.40	14.25		Medium dense medium brown with light brown mottling very clayey very sandy GRAVEL with medium brown sandy gravelly CLAY pockets. Gravel is fine to coarse subrounded to angular flint and chert with rare cobbles. (RTD)
							Very sandy from 0.9m to 1.7m with pit sides collapsing...
	1.00 1.00	B ES	PID=0				
	2.10 2.10 2.10	B ES ES	PID=0				
▼				2.60	12.05		End of pit at 2.60 m

1 2 3

Remarks: RTD= River Terrace Deposits
Groundwater was struck at a depth of 2.7m during excavation resting at 2.65m after 30 mins.

Stability: Moderately poor.

AGS

Trial Pit Log

Trialpit No **TP13**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472425.00 - 107117.00 Level: 14.08	Date 27/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): 1.9 × 0.6, Depth 2.40	Scale 1:15
Client: ATG Group			Logged RC

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.09	13.99		Asphalt Surfacing.
							MADE GROUND: Pink sandy medium to coarse angular limestone GRAVEL. (SUBBASE)
	0.20 - 0.25	ES		0.20	13.88		MADE GROUND: Light grey mottled clayey GRAVEL with medium to coarse brick and concrete gravel.
	0.20 - 0.50	ES					
	0.30 - 0.70	ES					
				0.40	13.68		Medium dense medium brown with light brown mottling very clayey very sandy GRAVEL with medium brown sandy gravelly CLAY pockets. Gravel is fine to coarse subrounded to angular flint and chert with rare cobbles. (RTD)
	1.00 - 1.50	B	PID=2				*Very sandy from 1.0 to 1.8m with pit sides collapsing...*
	2.00 - 2.30	B	PID=1				
	2.30 - 2.40	B	PID=2	2.30	11.78		Firm medium brown CLAY.
							Becoming moist but no groundwater entering pit...
				2.40	11.68		End of pit at 2.40 m

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Moderately poor.

Trial Pit Log

Trialpit No **TP15** Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472423.00 - 107244.00 Level: 14.49	Date 27/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): 1.7 × 0.7 Depth 2.10	Scale 1:15
Client: ATG Group			Logged DB

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.03	14.46		Asphalt Surfacing. Concrete hardstanding with rebar reinforcement.
	0.30 - 0.70 0.30 - 0.70 0.30 - 0.70	B ES ES		0.23	14.26		MADE GROUND: Dark grey gravelly CLAY with coarse flint gravel and rare cobbles. *Moderate hydrocarbon (Kerosene) odour...*
			PID=7	0.70	13.79		Firm brown sandy very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse flint gravel (RTD) *Very gravelly and cobbly (description based on likely engineering behaviour) some collapse of pit walls noted due to granular content...*
	1.00 1.00 1.00	B ES ES	PID=0				
	1.80 - 2.20	B					
				2.10	12.39		End of pit at 2.10 m

1 2 3

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Moderate

Trial Pit Log

Trialpit No **TP16**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472489.00 - 107269.00 Level: 15.20
Location:	32 New Lane, Havant, PO9 2NG	Dimensions (m): Depth 1.60	0.5 / 0.5
Client:	ATG Group		

Date 26/01/2021

Scale 1:15

Logged DB

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	15.10		Gravel surfacing over plastic membrane
							MADE GROUND: Brown very gravelly CLAY with medium to coarse and rare cobbles of flint and chert. (Possible reworked ground)
							Location positioned over drain run and so assumed to be made ground...
	1.60 1.60	ES ES		1.60	13.60		End of pit at 1.60 m

1

2

3

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.
Pit excavated via vacuum excavation.

Stability: Moderate

Trial Pit Log

Trialpit No **TP18**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472392.00 - 107202.00 Level: 14.24	Date 20/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): Depth 1.30 — 0.5 × 0.5	Scale 1:15
Client: ATG Group			Logged MJ

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.17	14.07		Concrete hardstanding
							MADE GROUND: Brown very gravelly cobbly CLAY with medium to coarse flint and chert. (Reworked Ground)
	1.20 - 1.30	ES		1.20	13.04		
	1.20 - 1.30	ES					Brown slightly sandy gravelly CLAY with variable gravel content and some gravel lenses.
				1.30	12.94		End of pit at 1.30 m

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.
Pit excavated via vacuum excavation.

Stability: Moderate

Trial Pit Log

Trialpit No **TP19**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472470.00 - 107304.00 Level: 15.11	Date 25/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): 2.1 x 0.8 Depth 2.10	Scale 1:15
Client: ATG Group			Logged DB

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.20	14.91		MADE GROUND: Gravel surfacing over dark grey gravelly CLAY with brick fragments and concrete.
	0.50	ES	PID=0				MADE GROUND: Medium brown with light brown mottling gravelly CLAY with frequent coarse flint gravel and rare cobbles. (Reworked Ground)
				0.80	14.31		Firm light brownish yellow very sandy cobbly CLAY with variable gravel content and some gravel lenses. Gravel is flint and chert. (RTD)
			PID=0				
	2.00	B					
				2.10	13.01		End of pit at 2.10 m

1

2

3

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Moderately poor

Trial Pit Log

Trialpit No **TP22**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472504.00 - 107242.00 Level: 15.10
Location:	32 New Lane, Havant, PO9 2NG	Dimensions (m): Depth 1.90	1.9 × 0.7
Client:	ATG Group		

Date 26/01/2021

Scale 1:15

Logged

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.50	ES	PID=0	0.60	14.50		MADE GROUND: Gravel surfacing over plastic sheeting. Dark grey coarse angular rock gravel with a coarse sand. (Type 1 MOT subbase)
	1.20 1.20	ES ES	PID=0	1.90	13.20		Firm yellowish brown very sandy gravelly CLAY with variable gravel content and some gravel lenses. Gravel is medium to coarse flint. (RTD) End of pit at 1.90 m

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.

Stability: Poor

Trial Pit Log

Trialpit No **TP29**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472428.00 - 107197.00 Level: 14.73	Date 28/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): Depth 1.80, 1.9 x 1.2	Scale 1:15
Client: ATG Group			Logged DB

Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.10	14.63		Gravel surfacing above plastic membrane.
	0.20 - 1.00	B					MADE GROUND: Soft medium brown very gravelly CLAY with flint gravel and cobbles and rare brick and concrete fragments.
	0.50 0.50	ES ES	PID=0				
				1.30	13.43		Soft to firm very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse flint. (RTD)
	1.50 1.50 - 2.00	ES B	PID=0				
				1.80	12.93		End of pit at 1.80 m
			PID=0				

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.
Unable to progress further due to collapse of made ground.

Stability: Very Poor

Trial Pit Log

Trialpit No **TP30**

Sheet 1 of 1

Project Name: Pfizer, Havant	Project No. UK20.5052C	Co-ords: 472508.00 - 107262.00 Level: 15.16	Date 26/01/2021
Location: 32 New Lane, Havant, PO9 2NG		Dimensions (m): Depth 1.80	Scale 1:15
Client: ATG Group			Logged DB



Water Strike	Samples and In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
				0.15	15.01		Concrete hardstanding.
							Location positioned over drain run and so assumed to be made ground...
							MADE GROUND: Brown very gravelly CLAY with medium to coarse and rare cobbles of flint and chert. (Possible reworked ground)
	1.80 1.80	ES ES		1.80	13.36		End of pit at 1.80 m

1
2
3

Remarks: RTD= River Terrace Deposits
Groundwater was not encountered during excavation.
Pit excavated via vacuum excavation.

Stability: Moderate

Borehole Log

Borehole No. **WS01**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472491E - 107196N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	14.96	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G		0.10 - 0.30	ES		0.10	14.96		Bituminous Material
								MADE GROUND: Brown-grey, slightly clayey, gravelly SAND (RTD)
					0.30	14.86		Firm, brown , slightly sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
								Less Gravelly.
					1.80	14.66		End of Borehole at 1.80m

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS02**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472495E - 107173N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.28	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.20	15.28		Concrete
		0.30 - 0.50 0.30 - 0.50	ES ES					MADE GROUND: Reddish-brown, gravelly SAND with brick
					0.55	15.08		MADE GROUND: Brown-grey, sandy GRAVEL with brick
					1.00	14.73		Firm, brown, slightly sandy, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.28		End of Borehole at 1.80m

1
2
3
4

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS07**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472439E - 107186N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	14.80	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.15	14.80		Concrete
		0.50 - 0.70	ES					Brown, cobbly, gravelly CLAY (possible made ground)
		0.50 - 0.70	ES					
					1.00	14.65		Beige and brown, sandy, cobbly GRAVEL (RTD)
					1.80	13.80		End of Borehole at 1.80m

1 2 3 4

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS08**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472472E - 107213N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	14.93	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G		0.20 - 0.40	ES		0.10	14.93		Bituminous Material
								MADE GROUND: Brown-grey, slightly clayey, gravelly SAND
		0.90 - 1.00 0.90 - 1.00	ES ES		0.45	14.83		Firm, brown, slightly sandy, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.00	14.48		Firm, brown, sandy, cobbly, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	13.93		End of Borehole at 1.80m

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS09**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472513E - 107204N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.07	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.10	15.07		Bituminous Material
								No Recovery
		0.60 - 0.80 0.60 - 0.80	ES ES		0.60	14.97		Firm, brown, slightly sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.47		End of Borehole at 1.80m

1
2
3
4

Remarks

RTD= River Terrace Deposits

AGS

Borehole Log

Borehole No. **WS10**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472588E - 107140N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.32	Scale 1:20
Client:	ATG Group		Dates:	04/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.15	15.32		Concrete
		0.30 - 0.60	ES					MADE GROUND: Brown, sandy, gravelly CLAY
					1.00	15.17		Brown, slightly sandy, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.32		End of Borehole at 1.80m

1
2
3
4

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS11**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472571E - 107105N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.15	Scale 1:20
Client:	ATG Group		Dates:	11/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
G					0.15	15.15		CONCRETE
								MADE GROUND: Brown, sandy, gravelly CLAY
					1.00	15.00		Brown, slightly sandy, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.15		End of Borehole at 1.80m

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS12**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472566E - 107054N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	14.86	Scale 1:20
Client:	ATG Group		Dates:	11/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
G					0.15	14.86		CONCRETE
								MADE GROUND: Brown, sandy, gravelly CLAY
					0.80	14.71		Brown, slightly sandy, gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.06		End of Borehole at 1.80m

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS13**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472605E - 107217N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.29	Scale 1:20
Client:	ATG Group		Dates:	11/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.20	15.29		CONCRETE
								MADE GROUND: Brown gravelly CLAY
					1.00	15.09		Firm, brown, slightly sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.29		End of Borehole at 1.80m

1
2
3
4

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS14**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472561E - 107244N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	14.75	Scale 1:20
Client:	ATG Group		Dates:	11/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.20	14.75		CONCRETE
								MADE GROUND: Brown gravelly CLAY
					0.90	14.55		Firm, brown, slightly sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	13.85		End of Borehole at 1.80m

Remarks

RTD= River Terrace Deposits

Borehole Log

Borehole No. **WS15**

Sheet 1 of 1

Project Name:	Pfizer, Havant	Project No. UK20.5052C	Co-ords:	472532E - 107243N	Hole Type WLS
Location:	32 New Lane, Havant, PO9 2NG		Level:	15.32	Scale 1:20
Client:	ATG Group		Dates:	11/02/2021	Logged By

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
G					0.10	15.32		Gravel Surfacing
								MADE GROUND: Brown, gravelly CLAY
					0.80	15.22		Firm, brown, slightly sandy, very gravelly CLAY with variable gravel content and some gravel lenses. Gravel is coarse, angular to sub-round flint. (RTD)
					1.80	14.52		End of Borehole at 1.80m

1
2
3
4

Remarks

RTD= River Terrace Deposits

APPENDIX G

Environmental Laboratory Testing

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Michael Judson
Date :	23rd January, 2021
Your reference :	UK20.5052c
Our reference :	Test Report 21/891 Batch 1 Schedule A
Location :	Pfizer, 32 New Lane, Havent, PO9 2NG
Date samples received :	23rd January, 2021
Status :	Final report
Issue :	2

Seven samples were received for analysis on 23rd January, 2021 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson
EMT Job No: 21/891

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-2	9-10									LOD/LOR	Units	Method No.
Sample ID	BH17	TP18											
Depth	0.4-0.6	1.2-1.3											
COC No / misc													
Containers	V J	V J											
Sample Date	20/01/2021	21/01/2021											
Sample Type	Clay	Clay											
Batch Number	1	1											
Date of Receipt	23/01/2021	23/01/2021											
Arsenic #M	6.1	3.6									<0.5	mg/kg	TM30/PM15
Cadmium #M	0.4	0.2									<0.1	mg/kg	TM30/PM15
Chromium #M	25.0	131.6									<0.5	mg/kg	TM30/PM15
Copper #M	6	9									<1	mg/kg	TM30/PM15
Lead #M	98	8									<5	mg/kg	TM30/PM15
Mercury #M	<0.1	<0.1									<0.1	mg/kg	TM30/PM15
Nickel #M	4.9	8.7									<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1									<1	mg/kg	TM30/PM15
Sulphur as S	0.04	0.01									<0.01	%	TM30/PM15
Total Sulphate as SO4 #M	588	222									<50	mg/kg	TM50/PM29
Zinc #M	96	42									<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03									<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05									<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
Phenanthrene #M	<0.03	<0.03									<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
Fluoranthene #M	<0.03	0.34									<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	0.37									<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	0.28									<0.06	mg/kg	TM4/PM8
Chrysene #M	<0.02	0.28									<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	<0.07	0.23									<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	0.09									<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04									<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	1.6									<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	0.17									<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	0.06									<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	112	91									<0	%	TM4/PM8
VOC TICs	ND	ND										None	TM15/PM10
Methyl Tertiary Butyl Ether #	<2	<2									<2	ug/kg	TM15/PM10
Benzene #	<3	<3									<3	ug/kg	TM15/PM10
Toluene #	<3	<3									<3	ug/kg	TM15/PM10
Ethylbenzene #	<3	<3									<3	ug/kg	TM15/PM10
m/p-Xylene #	<5	<5									<5	ug/kg	TM15/PM10
o-Xylene #	<3	<3									<3	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	106	100									<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	101	99									<0	%	TM15/PM10
SVOC TICs	ND	ND										None	TM16/PM8

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson
EMT Job No: 21/891

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1-2	9-10									LOD/LOR	Units	Method No.
Sample ID	BH17	TP18											
Depth	0.4-0.6	1.2-1.3											
COC No / misc													
Containers	V J	V J											
Sample Date	20/01/2021	21/01/2021											
Sample Type	Clay	Clay											
Batch Number	1	1											
Date of Receipt	23/01/2021	23/01/2021											
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	<0.1	<0.1									<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	<0.1	<0.1									<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1									<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	<0.2	<0.2									<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	<4	<4									<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	<7	<7									<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	<7	<7									<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	<19	<19									<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	<0.1	<0.1									<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	0.4	<0.1									<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	<0.1	<0.1									<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<0.2	<0.2									<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	<4	<4									<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	<7	<7									<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	<7	<7									<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	<19	<19									<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	<38	<38									<38	mg/kg	TM5/TM36/PM8/PM12/PM16
Total Phenols HPLC	<0.15	<0.15									<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	5.4	9.3									<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	<0.6	<0.6									<0.6	mg/kg	TM38/PM20
Hexavalent Chromium #	<0.3	<0.3									<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.0191	0.0316									<0.0015	g/l	TM38/PM20
Chromium III	25.0	131.6									<0.5	mg/kg	NONE/NONE
Total Cyanide #M	<0.5	<0.5									<0.5	mg/kg	TM89/PM45
Organic Matter	<0.2	<0.2									<0.2	%	TM21/PM24
pH #M	8.67	8.85									<0.01	pH units	TM73/PM11
Sample Type	Clay	Clay										None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown										None	PM13/PM0
Other Items	stones	stones										None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson
EMT Job No: 21/891

SVOC Report : **Solid**

EMT Sample No.	1-2	9-10									LOD/LOR	Units	Method No.
Sample ID	BH17	TP18											
Depth	0.4-0.6	1.2-1.3											
COC No / misc													
Containers	V J	V J											
Sample Date	20/01/2021	21/01/2021											
Sample Type	Clay	Clay											
Batch Number	1	1											
Date of Receipt	23/01/2021	23/01/2021											
SVOC MS													
Phenols													
2-Chlorophenol #M	<10	<10									<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10									<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10									<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10									<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10									<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10									<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10									<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10									<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10									<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10									<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10									<10	ug/kg	TM16/PM8
Phenol #M	<10	<10									<10	ug/kg	TM16/PM8
PAHs													
2-Chloronaphthalene #M	<10	<10									<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	<10	<10									<10	ug/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<100	<100									<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100									<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100									<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100									<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100									<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100									<100	ug/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<10	<10									<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<10									<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10									<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10									<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10									<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10									<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10									<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10									<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<10									<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10									<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10									<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10									<10	ug/kg	TM16/PM8
Azobenzene	<10	<10									<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10									<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10									<10	ug/kg	TM16/PM8
Carbazole	<10	<10									<10	ug/kg	TM16/PM8
Dibenzofuran #M	<10	<10									<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10									<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10									<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10									<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10									<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10									<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10	<10									<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10									<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	121	129									<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	122	126									<0	%	TM16/PM8

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson
EMT Job No: 21/891

VOC Report : **Solid**

EMT Sample No.	1-2	9-10										
Sample ID	BH17	TP18										
Depth	0.4-0.6	1.2-1.3										
COC No / misc												
Containers	V J	V J										
Sample Date	20/01/2021	21/01/2021										
Sample Type	Clay	Clay										
Batch Number	1	1										
Date of Receipt	23/01/2021	23/01/2021										

Please see attached notes for all abbreviations and acronyms

			LOD/LOR	Units	Method No.
VOC MS					
Dichlorodifluoromethane	<2	<2	<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #	<2	<2	<2	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1	ug/kg	TM15/PM10
Chloroethane #	<2	<2	<2	ug/kg	TM15/PM10
Trichlorofluoromethane #	<2	<2	<2	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<6	<6	<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	ug/kg	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	ug/kg	TM15/PM10
Bromochloromethane #	<3	<3	<3	ug/kg	TM15/PM10
Chloroform #	<3	<3	<3	ug/kg	TM15/PM10
1,1,1-Trichloroethane #	<3	<3	<3	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	ug/kg	TM15/PM10
Carbon tetrachloride #	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dichloroethane #	<4	<4	<4	ug/kg	TM15/PM10
Benzene #	<3	<3	<3	ug/kg	TM15/PM10
Trichloroethene (TCE) #	<3	<3	<3	ug/kg	TM15/PM10
1,2-Dichloropropane #	<6	<6	<6	ug/kg	TM15/PM10
Dibromomethane #	<3	<3	<3	ug/kg	TM15/PM10
Bromodichloromethane #	<3	<3	<3	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	ug/kg	TM15/PM10
Toluene #	<3	<3	<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #	<3	<3	<3	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	ug/kg	TM15/PM10
1,3-Dichloropropane #	<3	<3	<3	ug/kg	TM15/PM10
Dibromochloromethane #	<3	<3	<3	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3	ug/kg	TM15/PM10
Chlorobenzene #	<3	<3	<3	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #	<3	<3	<3	ug/kg	TM15/PM10
Ethylbenzene #	<3	<3	<3	ug/kg	TM15/PM10
m/p-Xylene #	<5	<5	<5	ug/kg	TM15/PM10
o-Xylene #	<3	<3	<3	ug/kg	TM15/PM10
Styrene	<3	<3	<3	ug/kg	TM15_A/PM10
Bromoform	<3	<3	<3	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #	<3	<3	<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #	<4	<4	<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #	<4	<4	<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene	<7	<7	<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene	<7	<7	<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	106	100	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	101	99	<0	%	TM15/PM10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd

Matrix : Solid

Reference: UK20.5052c

Location: Pfizer, 32 New Lane, Havent, PO9 2NG

Contact: Michael Judson

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
21/891	1	BH17	0.4-0.6	1-2	No interpretation possible
21/891	1	TP18	1.2-1.3	9-10	No interpretation possible

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/891	1	BH17	0.4-0.6	2	26/01/2021	**General Description (Bulk Analysis)**	Soil/Stones
					26/01/2021	**Asbestos Fibres**	NAD
					26/01/2021	**Asbestos ACM**	NAD
					26/01/2021	**Asbestos Type**	NAD
					26/01/2021	**Asbestos Level Screen**	NAD
21/891	1	TP18	1.2-1.3	10	26/01/2021	**General Description (Bulk Analysis)**	Soil/Stone
					26/01/2021	**Asbestos Fibres**	NAD
					26/01/2021	**Asbestos ACM**	NAD
					26/01/2021	**Asbestos Type**	NAD
					26/01/2021	**Asbestos Level Screen**	NAD

Client Name: EPS Ltd
Reference: UK20.5052b
Location: Pfizer, 32 New Lane, Havent, PO9 2NG
Contact: Michael Judson

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 21/891						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/891

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/891

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details	Yes		AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No

EMT Job No: 21/891

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes

EMT Job No: 21/891

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993 (comparabl	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993 (comparabl	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993 (comparabl	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 First edition (2006)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.	Yes	Yes	AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
TM15_A	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds, Vinyl Chloride & Styrene by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Daryl Bowell
Date :	1st March, 2021
Your reference :	UK20.5052C - 5001
Our reference :	Test Report 21/1423 Batch 1
Location :	Pfizer Havant
Date samples received :	3rd February, 2021
Status :	Final report
Issue :	3

Thirty three samples were received for analysis on 3rd February, 2021 of which twenty five were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	2-3	4	6-7	8-9	15	16-17	18-19	20	21-22	27-28	LOD/LOR	Units	Method No.
Sample ID	BH10 ES2	BH16 ES2	BH03 ES1	BH03 ES2	TP22 ES2	TP16 ES1	TP30 ES1	TP15 ES1	TP15 ES2	BH04 ES1			
Depth	0.70-0.90	6.50	0.00-0.80	3.00-4.00	1.20	1.60	1.80	0.30-0.70	1.00	0.50			
COC No / misc													
Containers	V J	J	V J	V J	J	V J	V J	J	V J	V J			
Sample Date	25/01/2021	25/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	27/01/2021			
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021			
Arsenic #M	10.9	6.5	7.4	7.3	2.3	8.4	8.5	3.0	4.3	4.6	<0.5	mg/kg	TM30/PM15
Cadmium #M	<0.1	<0.1	0.2	0.2	0.2	0.6	0.7	0.3	0.4	0.6	<0.1	mg/kg	TM30/PM15
Chromium #M	40.3	45.9	61.5	80.4	75.5	71.9	63.3	137.9	114.8	78.1	<0.5	mg/kg	TM30/PM15
Copper #M	9	7	11	8	3	10	10	9	7	6	<1	mg/kg	TM30/PM15
Lead #M	9	10	46	9	<5	13	10	29	18	6	<5	mg/kg	TM30/PM15
Mercury #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM30/PM15
Nickel #M	13.4	11.4	9.8	14.6	5.3	30.5	21.6	12.7	13.8	11.6	<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #M	631	399	6181	111	149	140	235	121	81	158	<50	mg/kg	TM50/PM29
Zinc #M	38	34	60	34	12	51	41	31	24	23	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Phenanthrene #M	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Fluoranthene #M	<0.03	<0.03	0.09	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	<0.03	0.08	<0.03	<0.03	<0.03	<0.03	0.04	<0.03	<0.03	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	0.09	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	mg/kg	TM4/PM8
Chrysene #M	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	<0.07	<0.07	0.10	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	TM4/PM8
Coronene	-	-	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM4/PM8
PAH 17 Total	-	-	-	-	-	-	-	-	-	-	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	92	88	96	63 SV	70	46 SV	68	77	64	89	<0	%	TM4/PM8
VOC TICs	ND	ND	ND	ND	ND	ND	ND	See Attached	ND	ND		None	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
Toluene #M	<3	<3	<3	<3	<3	<3	<3	8	<3	<3	<3	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
m/p-Xylene #M	<4	<4	<4	<4	<4	<4	<4	9	<4	<4	<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	121	99	115	106	102	103	102	89	98	119	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	114	102	116	105	107	101	101	93	96	120	<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	2-3	4	6-7	8-9	15	16-17	18-19	20	21-22	27-28	LOD/LOR	Units	Method No.
Sample ID	BH10 ES2	BH16 ES2	BH03 ES1	BH03 ES2	TP22 ES2	TP16 ES1	TP30 ES1	TP15 ES1	TP15 ES2	BH04 ES1			
Depth	0.70-0.90	6.50	0.00-0.80	3.00-4.00	1.20	1.60	1.80	0.30-0.70	1.00	0.50			
COC No / misc													
Containers	V J	J	V J	V J	J	V J	V J	J	V J	V J			
Sample Date	25/01/2021	25/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	27/01/2021			
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021			
SVOC TICs	ND	See Attached	See Attached	ND	See Attached	ND	ND	See Attached	ND	ND		None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	-	-	-	-	-	-	-	-	-	-	<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	32.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	<4	<4	<4	<4	<4	<4	<4	204	<4	<4	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	<7	<7	<7	<7	<7	<7	<7	296	<7	<7	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	<7	<7	<7	<7	<7	<7	<7	666	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	<19	<19	<19	<19	<19	<19	<19	1198	<19	<19	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	<4	<4	<4	<4	<4	<4	<4	50	<4	<4	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	<7	<7	<7	<7	<7	<7	<7	129	<7	<7	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	<7	<7	<7	<7	<7	<7	<7	297	<7	<7	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	<19	<19	<19	<19	<19	<19	<19	476	<19	<19	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	<38	<38	<38	<38	<38	<38	<38	1674	<38	<38	<38	mg/kg	TM5/TM36/PM8/PM12/PM16
PCB 28 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 52 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 101 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 118 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 138 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 153 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
PCB 180 #	-	-	<5	-	-	-	<5	<5	-	<5	<5	ug/kg	TM17/PM8
Total 7 PCBs #	-	-	<35	-	-	-	<35	<35	-	<35	<35	ug/kg	TM17/PM8
Natural Moisture Content	23.2	29.2	30.0	16.7	13.1	15.0	18.9	11.3	16.4	14.6	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.0465	0.0385	0.4127	0.0354	0.0063	0.0073	0.0322	0.0154	0.0101	0.0108	<0.0015	g/l	TM38/PM20
Total Organic Carbon #	-	-	-	-	-	-	-	-	-	-	<0.02	%	TM21/PM24
Organic Matter	0.4	<0.2	0.3	<0.2	<0.2	0.3	0.3	0.4	0.2	<0.2	<0.2	%	TM21/PM24
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay		None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	2-3	4	6-7	8-9	15	16-17	18-19	20	21-22	27-28	LOD/LOR	Units	Method No.
Sample ID	BH10 ES2	BH16 ES2	BH03 ES1	BH03 ES2	TP22 ES2	TP16 ES1	TP30 ES1	TP15 ES1	TP15 ES2	BH04 ES1			
Depth	0.70-0.90	6.50	0.00-0.80	3.00-4.00	1.20	1.60	1.80	0.30-0.70	1.00	0.50			
COC No / misc													
Containers	V J	J	V J	V J	J	V J	V J	J	V J	V J			
Sample Date	25/01/2021	25/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	27/01/2021			
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021			
Other Items	stones, silt	stones	stones	stones	stones	stones	stones	stones	stones, water	stones, chalk		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	29-30	37-38	39-40	41	44-45	46-47	49-50	52-53	54-55		LOD/LOR	Units	Method No.
Sample ID	TP13 ES1	TP12 ES3	BH13 ES1	BH13 ES2	TP11 ES2	TP29 ES1	BH11 ES1	BH02 ES2	BH12 ES1				
Depth	0.20-0.25	2.10	1.00	6.00-6.50	1.50	0.50	0.00-0.50	3.50-4.00	0.00-0.50				
COC No / misc													
Containers	V J	V J	J	J	V J	V J	J	V J	V J				
Sample Date	27/01/2021	27/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021				
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Soil	Clayey Sand	Clayey Sand	Clay				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021				
Arsenic #M	6.4	3.2	4.2	10.1	7.6	-	5.1	2.7	6.2		<0.5	mg/kg	TM30/PM15
Cadmium #M	0.3	0.4	0.4	<0.1	0.3	-	0.2	0.3	0.4		<0.1	mg/kg	TM30/PM15
Chromium #M	55.6	104.8	24.4	42.1	75.1	-	48.3	93.6	60.1		<0.5	mg/kg	TM30/PM15
Copper #M	11	5	4	9	11	-	7	5	34		<1	mg/kg	TM30/PM15
Lead #M	17	6	10	11	19	-	15	<5	58		<5	mg/kg	TM30/PM15
Mercury #M	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM30/PM15
Nickel #M	10.8	9.2	5.3	13.3	18.9	-	7.6	8.6	12.4		<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1	<1	<1	<1	-	<1	<1	<1		<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #M	1925	122	516	763	535	-	2377	128	248		<50	mg/kg	TM50/PM29
Zinc #M	47	15	44	40	47	-	29	12	94		<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04		<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.06	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03	<0.03		<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05		<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04		<0.04	mg/kg	TM4/PM8
Phenanthrene #M	0.14	<0.03	<0.03	<0.03	<0.03	-	0.10	<0.03	0.06		<0.03	mg/kg	TM4/PM8
Anthracene #	0.08	<0.04	<0.04	<0.04	<0.04	-	0.05	<0.04	<0.04		<0.04	mg/kg	TM4/PM8
Fluoranthene #M	0.57	<0.03	<0.03	<0.03	0.16	-	0.32	<0.03	0.29		<0.03	mg/kg	TM4/PM8
Pyrene #	0.79	<0.03	<0.03	<0.03	0.18	-	0.34	<0.03	0.25		<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.35	<0.06	<0.06	<0.06	0.10	-	0.19	<0.06	0.18		<0.06	mg/kg	TM4/PM8
Chrysene #M	0.37	<0.02	<0.02	<0.02	0.11	-	0.18	<0.02	0.19		<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	0.64	<0.07	<0.07	<0.07	0.10	-	0.29	<0.07	0.34		<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.33	<0.04	<0.04	<0.04	<0.04	-	0.15	<0.04	0.20		<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	0.21	<0.04	<0.04	<0.04	<0.04	-	0.09	<0.04	0.13		<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.05	<0.04	<0.04	<0.04	<0.04	-	<0.04	<0.04	<0.04		<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.21	<0.04	<0.04	<0.04	<0.04	-	0.09	<0.04	0.13		<0.04	mg/kg	TM4/PM8
Coronene	-	-	-	-	-	-	-	<0.04	-		<0.04	mg/kg	TM4/PM8
PAH 16 Total	3.8	<0.6	<0.6	<0.6	0.7	-	1.8	<0.6	1.8		<0.6	mg/kg	TM4/PM8
PAH 17 Total	-	-	-	-	-	-	-	<0.64	-		<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.46	<0.05	<0.05	<0.05	0.07	-	0.21	<0.05	0.24		<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.18	<0.02	<0.02	<0.02	0.03	-	0.08	<0.02	0.10		<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	90	77	95	84	91	-	93	93	83		<0	%	TM4/PM8
VOC TICs	ND	ND	ND	ND	ND	ND	ND	ND	ND			None	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6	<6	-	<6	<6	<6		<6	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM15/PM10
Toluene #M	<3	<3	26	<3	<3	-	<3	<3	<3		<3	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	6	<3	<3	-	<3	<3	<3		<3	ug/kg	TM15/PM10
m/p-Xylene #M	<4	<4	31	<4	<4	-	<4	<4	<4		<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	6	<4	<4	-	<4	<4	<4		<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	99	105	106	93	104	-	94	114	99		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	91	105	105	98	102	-	97	116	89		<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	29-30	37-38	39-40	41	44-45	46-47	49-50	52-53	54-55		LOD/LOR	Units	Method No.
Sample ID	TP13 ES1	TP12 ES3	BH13 ES1	BH13 ES2	TP11 ES2	TP29 ES1	BH11 ES1	BH02 ES2	BH12 ES1				
Depth	0.20-0.25	2.10	1.00	6.00-6.50	1.50	0.50	0.00-0.50	3.50-4.00	0.00-0.50				
COC No / misc													
Containers	V J	V J	J	J	V J	V J	J	V J	V J				
Sample Date	27/01/2021	27/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021				
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Soil	Clayey Sand	Clayey Sand	Clay				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021				
SVOC TICs	See Attached	ND	See Attached	See Attached	See Attached	-	ND	ND	See Attached			None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	-	-	-	-	-	-	-	<30	-		<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2		<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	<4	<4	<4	<4	<4	-	<4	<4	<4		<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	19	<7	<7	<7	<7	-	8	<7	<7		<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	150	<7	<7	<7	<7	-	137	<7	<7		<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	169	<19	<19	<19	<19	-	145	<19	<19		<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1		<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	<0.2	<0.2		<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	<4	<4	<4	<4	<4	-	<4	<4	<4		<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	10	<7	<7	<7	47	-	<7	<7	<7		<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	87	<7	<7	<7	135	-	131	<7	21		<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	97	<19	<19	<19	182	-	131	<19	21		<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	266	<38	<38	<38	182	-	276	<38	<38		<38	mg/kg	TM5/TM36/PM8/PM12/PM16
PCB 28 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 52 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 101 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 118 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 138 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 153 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
PCB 180 #	-	<5	<5	<5	<5	-	<5	<5	<5		<5	ug/kg	TM17/PM8
Total 7 PCBs #	-	<35	<35	<35	<35	-	<35	<35	<35		<35	ug/kg	TM17/PM8
Natural Moisture Content	12.5	10.8	7.5	24.4	20.6	21.1	12.9	12.4	25.0		<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	<0.6	<0.6	<0.6	<0.6	<0.6	-	<0.6	<0.6	<0.6		<0.6	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.2659	0.0080	0.0579	0.0520	0.1599	-	0.1711	0.0389	0.0066		<0.0015	g/l	TM38/PM20
Total Organic Carbon #	-	-	-	-	-	-	-	0.02	-		<0.02	%	TM21/PM24
Organic Matter	0.5	<0.2	0.3	0.3	0.7	-	0.6	<0.2	2.0		<0.2	%	TM21/PM24
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	-	Clayey Sand	Clayey Sand	Clay			None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	-	Medium Brown	Medium Brown	Medium Brown			None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	29-30	37-38	39-40	41	44-45	46-47	49-50	52-53	54-55		LOD/LOR	Units	Method No.
Sample ID	TP13 ES1	TP12 ES3	BH13 ES1	BH13 ES2	TP11 ES2	TP29 ES1	BH11 ES1	BH02 ES2	BH12 ES1				
Depth	0.20-0.25	2.10	1.00	6.00-6.50	1.50	0.50	0.00-0.50	3.50-4.00	0.00-0.50				
COC No / misc													
Containers	V J	V J	J	J	V J	V J	J	V J	V J				
Sample Date	27/01/2021	27/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021				
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Soil	Clayey Sand	Clayey Sand	Clay				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021				
Other Items	stones, chalk	stones, chalk	stones, loam, chalk	stones, silt	stones	-	stones	stones, water	stones, vegetation			None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

SVOC Report : **Solid**

EMT Sample No.	2-3	4	6-7	8-9	15	16-17	18-19	20	21-22	27-28	LOD/LOR	Units	Method No.
Sample ID	BH10 ES2	BH16 ES2	BH03 ES1	BH03 ES2	TP22 ES2	TP16 ES1	TP30 ES1	TP15 ES1	TP15 ES2	BH04 ES1			
Depth	0.70-0.90	6.50	0.00-0.80	3.00-4.00	1.20	1.60	1.80	0.30-0.70	1.00	0.50			
COC No / misc													
Containers	V J	J	V J	V J	J	V J	V J	J	V J	V J			
Sample Date	25/01/2021	25/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	27/01/2021			
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021			
SVOC MS													
Phenols													
2-Chlorophenol #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Phenol #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
PAHs													
2-Chloronaphthalene #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<100	<100	1041	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	>>53468	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	614	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	ug/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Carbazole	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Dibenzofuran #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	115	65	127	128	113	115	115	95	117	104	<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	119	79	130	129	107	111	113	96	115	98	<0	%	TM16/PM8

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

SVOC Report : **Solid**

EMT Sample No.	29-30	37-38	39-40	41	44-45	49-50	52-53	54-55			LOD/LOR	Units	Method No.
Sample ID	TP13 ES1	TP12 ES3	BH13 ES1	BH13 ES2	TP11 ES2	BH11 ES1	BH02 ES2	BH12 ES1					
Depth	0.20-0.25	2.10	1.00	6.00-6.50	1.50	0.00-0.50	3.50-4.00	0.00-0.50					
COC No / misc													
Containers	V J	V J	J	J	V J	J	V J	V J					
Sample Date	27/01/2021	27/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021					
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clayey Sand	Clayey Sand	Clay					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021					
SVOC MS													
Phenols													
2-Chlorophenol #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Phenol #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
PAHs													
2-Chloronaphthalene #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100	<100	<100	<100	<100	<100	<100			<100	ug/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Carbazole	20	<10	<10	<10	<10	<10	<10	14			<10	ug/kg	TM16/PM8
Dibenzofuran #M	12	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10	<10	<10	<10	<10	<10	<10			<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	110	108	110	111	111	111	110	108			<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	118	108	112	110	112	117	115	115			<0	%	TM16/PM8

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

VOC Report : **Solid**

EMT Sample No.	2-3	4	6-7	8-9	15	16-17	18-19	20	21-22	27-28			
Sample ID	BH10 ES2	BH16 ES2	BH03 ES1	BH03 ES2	TP22 ES2	TP16 ES1	TP30 ES1	TP15 ES1	TP15 ES2	BH04 ES1			
Depth	0.70-0.90	6.50	0.00-0.80	3.00-4.00	1.20	1.60	1.80	0.30-0.70	1.00	0.50	Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V J	J	V J	V J	J	V J	V J	J	V J	V J			
Sample Date	25/01/2021	25/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	27/01/2021			
Sample Type	Clay	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	LOD/LOR	Units	Method No.
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Chloroform #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dichloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	6	34	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Toluene #M	<3	<3	<3	<3	<3	<3	<3	7	<3	<3	<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3	6	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
m/p-Xylene #M	<4	<4	<4	<4	<4	<4	<4	8	<4	<4	<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15_A/PM10
Bromoform	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3	<3	<3	<3	4	<3	<3	<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6	<6	<6	<6	<6	8	<6	<6	<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	<4	<4	<4	<4	4	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	121	99	115	106	102	103	102	89	98	119	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	114	102	116	105	107	101	101	93	96	120	<0	%	TM15/PM10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

VOC Report : **Solid**

EMT Sample No.	29-30	37-38	39-40	41	44-45	46-47	49-50	52-53	54-55		LOD/LOR	Units	Method No.
Sample ID	TP13 ES1	TP12 ES3	BH13 ES1	BH13 ES2	TP11 ES2	TP29 ES1	BH11 ES1	BH02 ES2	BH12 ES1				
Depth	0.20-0.25	2.10	1.00	6.00-6.50	1.50	0.50	0.00-0.50	3.50-4.00	0.00-0.50				
COC No / misc													
Containers	V J	V J	J	J	V J	V J	J	V J	V J				
Sample Date	27/01/2021	27/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021				
Sample Type	Clayey Sand	Clayey Sand	Clay	Clay	Clay	Soil	Clayey Sand	Clayey Sand	Clay				
Batch Number	1	1	1	1	1	1	1	1	1				
Date of Receipt	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021	03/02/2021				
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30	<30	<30	<30	<30	<30	<30		<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6	<6	<6	<6	<6	<6	<6	<6	<6		<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Chloroform #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,2-Dichloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Toluene #M	<3	<3	25	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	6	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
m/p-Xylene #M	<4	<4	30	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	6	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15_A/PM10
Bromoform	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	5	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	10	<6	<6	<6	<6	<6	<6		<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27	<27	<27	<27	<27	<27	<27		<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene	<7	<7	<7	<7	<7	<7	<7	<7	<7		<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	99	105	106	93	-	109	94	114	99		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	91	105	105	98	-	120	97	116	89		<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/1423

VOC Report : **Solid (Duplicate results)**

EMT Sample No.	2-3												
Sample ID	BH10 ES2												
Depth	0.70-0.90										Please see attached notes for all abbreviations and acronyms		
COC No / misc													
Containers	V J												
Sample Date	25/01/2021												
Sample Type	Clay												
Batch Number	1												
Date of Receipt	03/02/2021										LOD/LOR	Units	Method No.
VOC MS													
Surrogate Recovery Toluene D8	96										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	86										<0	%	TM15/PM10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 20
Sample identity: TP15 ES1
Sample depth: 0.30-0.70
Sample Type: Clay
Units: ug/kg

Method: VOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
112-40-3	Dodecane	7.378	95	245
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	7.427	90	140
2050-24-0	Benzene, 1,3-diethyl-5-methyl-	7.610	94	157
61141-72-8	Dodecane, 4,6-dimethyl-	7.756	91	287
629-50-5	Tridecane	7.889	96	339

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 4
Sample identity: BH16 ES2
Sample depth: 6.50
Sample Type: Clayey Sand
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
111-06-8	Hexadecanoic acid, butyl ester	12.006	93	411
295-65-8	Cyclohexadecane	12.102	95	698
123-95-5	Octadecanoic acid, butyl ester	12.901	90	508
112-95-8	Eicosane	13.037	95	539
629-92-5	Nonadecane	13.520	87	845

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 7
Sample identity: BH03 ES1
Sample depth: 0.00-0.80
Sample Type: Clayey Sand
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
10482-56-1	L-.alpha.-Terpineol	6.670	86	664

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 15
Sample identity: TP22 ES2
Sample depth: 1.20
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
95-16-9	Benzothiazole	6.976	93	426

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 20
Sample identity: TP15 ES1
Sample depth: 0.30-0.70
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
17312-53-7	Decane, 3,6-dimethyl-	7.004	83	973
112-95-8	Eicosane	7.465	91	592
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	7.543	81	701
10374-74-0	7-Tetradecene	7.621	84	445
629-94-7	Heneicosane	7.706	86	1303
29812-79-1	Hydroxylamine, O-decyl-	8.160	81	604
629-59-4	Tetradecane	8.335	95	2348
930-02-9	Octadecane, 1-(ethenyloxy)-	8.628	90	1072
629-62-9	Pentadecane	8.904	95	3457
6117-98-2	2,3-Dimethyldodecane	9.221	86	345
629-78-7	Heptadecane	9.443	93	2873
593-45-3	Octadecane	9.947	97	2882
55045-08-4	Dodecane, 2-methyl-6-propyl-	10.416	93	2992
31295-56-4	Dodecane, 2,6,11-trimethyl-	10.483	93	2415
629-73-2	Cetene	10.712	89	313
6418-44-6	Heptadecane, 3-methyl-	10.746	89	337
629-92-5	Nonadecane	10.864	94	2363
89816-53-5	1,7-Dimethyldibenzothiophene	11.185	90	711
544-76-3	Hexadecane	11.708	97	1021
18835-32-0	1-Tricosene	12.102	96	886
74685-33-9	3-Eicosene, (E)-	12.578	93	520
18435-45-5	1-Nonadecene	12.682	94	604
1000351-74-9	Octacosyl trifluoroacetate	13.003	89	549
646-31-1	Tetracosane	13.037	96	656
3386-33-2	Octadecane, 1-chloro-	13.520	92	633
18835-33-1	1-Hexacosene	14.589	95	1229

Job number: 21/1423
Sample number: 30
Sample identity: TP13 ES1
Sample depth: 0.20-0.25
Sample Type: Clayey Sand
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
1000131-11-8	Z-5-Nonadecene	11.995	95	206
2381-21-7	Pyrene, 1-methyl-	12.071	95	134

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 40
Sample identity: BH13 ES1
Sample depth: 1.00
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
7206-21-5	5-Octadecene, (E)-	11.996	98	224

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 41
Sample identity: BH13 ES2
Sample depth: 6.00-6.50
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
95-16-9	Benzothiazole	6.983	83	276
544-76-3	Hexadecane	12.578	81	316
112-95-8	Eicosane	13.037	97	575

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 45
Sample identity: TP11 ES2
Sample depth: 1.50
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
33543-31-6	Fluoranthene, 2-methyl-	12.080	93	358
2381-21-7	Pyrene, 1-methyl-	12.341	94	123

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1423
Sample number: 55
Sample identity: BH12 ES1
Sample depth: 0.00-0.50
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
475-20-7	Longifolene	8.351	99	924
483-77-2	Naphthalene, 1,2,3,4-tetrahydro-1,6-dimethyl-4-(1-methylethyl)-, (1S-cis)-	8.925	93	189
25276-70-4	1-Pentadecanethiol	11.996	87	325
88256-04-6	1,2,4-Trimethoxydibenzofuran-3-ol	12.063	96	810
243-17-4	11H-Benzo[b]fluorene	12.156	94	125
511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,10-octahydro-4b,8,8-trimethyl-1-(1-methylethyl)-, (4bS-trans)-	12.485	96	4756
205-43-6	Benzo[b]naphtho[1,2-d]thiophene	12.822	80	161

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

CEN 10:1 LEACHATE RESULTS BS EN 12547-2

Mass of sample taken (kg)	-	Moisture Content Ratio (%) =	27.6
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	78.4
Particle Size <4mm =	>95%		

		Landfill Waste Acceptance Criteria Limits		
EMT Job No	**21/1423**			
Sample No	**53**			
Client Sample No	**BH02 ES2**	**Inert Waste Landfill**	**Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill**	**Hazardous Waste Landfill**
Depth/Other	**3.50-4.00**			
Sample Date	**29/01/2021**			
Batch No	**1**			
Solid Waste Analysis				
Total Organic Carbon (%)	0.02	3	5	6
Loss on Ignition (%)	-	-	-	10
Sum of BTEX (mg/kg)	<0.017	6	-	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30	500	-	-
PAH Sum of 17(mg/kg)	<0.64	100	-	-
pH (pH Units)	-	-	>6	-
ANC to pH 7 (mol/kg)	-	-	to be evaluated	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated	to be evaluated

Eluate Analysis	**10:1 conc^{n} leached**		**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
	C_{10}	**A_{10}**			
	mg/l	**mg/kg**	**mg/kg**		
Arsenic	NDP	NDP	0.5	2	25
Barium	NDP	NDP	20	100	300
Cadmium	NDP	NDP	0.04	1	5
Chromium	NDP	NDP	0.5	10	70
Copper	NDP	NDP	2	50	100
Mercury	NDP	NDP	0.01	0.2	2
Molybdenum	NDP	NDP	0.5	10	30
Nickel	NDP	NDP	0.4	10	40
Lead	NDP	NDP	0.5	10	50
Antimony	NDP	NDP	0.06	0.7	5
Selenium	NDP	NDP	0.1	0.5	7
Zinc	NDP	NDP	4	50	200
Chloride	NDP	NDP	800	15000	25000
Fluoride	NDP	NDP	10	150	500
Sulphate as SO4	NDP	NDP	1000	20000	50000
Total Dissolved Solids	NDP	NDP	4000	60000	100000
Phenol	NDP	NDP	1	-	-
Dissolved Organic Carbon	NDP	NDP	500	800	1000

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd

Reference: UK20.5052C - 5001

Location: Pfizer Havant

Contact: Daryl Bowell

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
21/1423	1	BH10 ES2	0.70-0.90	2-3	No interpretation possible
21/1423	1	BH16 ES2	6.50	4	No interpretation possible
21/1423	1	BH03 ES1	0.00-0.80	6-7	No interpretation possible
21/1423	1	BH03 ES2	3.00-4.00	8-9	No interpretation possible
21/1423	1	TP22 ES2	1.20	15	No interpretation possible
21/1423	1	TP16 ES1	1.60	16-17	No interpretation possible
21/1423	1	TP30 ES1	1.80	18-19	No interpretation possible
21/1423	1	TP15 ES1	0.30-0.70	20	Degraded diesel & Lubricating oil
21/1423	1	TP15 ES2	1.00	21-22	No interpretation possible
21/1423	1	BH04 ES1	0.50	27-28	No interpretation possible
21/1423	1	TP13 ES1	0.20-0.25	29-30	PAH's
21/1423	1	TP12 ES3	2.10	37-38	No interpretation possible
21/1423	1	BH13 ES1	1.00	39-40	No interpretation possible
21/1423	1	BH13 ES2	6.00-6.50	41	No interpretation possible
21/1423	1	TP11 ES2	1.50	44-45	PAH's
21/1423	1	BH11 ES1	0.00-0.50	49-50	Possible trace of lubricating oil & Naturally occurring compounds
21/1423	1	BH02 ES2	3.50-4.00	52-53	No interpretation possible
21/1423	1	BH12 ES1	0.00-0.50	54-55	Possible PAH's & Naturally occurring compounds

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/1423	1	BH10 ES2	0.70-0.90	3	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH16 ES2	6.50	4	09/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					09/02/2021	**Asbestos Fibres**	NAD
					09/02/2021	**Asbestos ACM**	NAD
					09/02/2021	**Asbestos Type**	NAD
					09/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP19 ES1	0.50	5	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH03 ES1	0.00-0.80	7	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH03 ES2	3.00-4.00	9	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP02 ES1	0.50	10	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP22 ES1	0.50	12	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/1423	1	TP22 ES1	0.50	12	08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP22 ES2	1.20	15	09/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					09/02/2021	**Asbestos Fibres**	NAD
					09/02/2021	**Asbestos ACM**	NAD
					09/02/2021	**Asbestos Type**	NAD
					09/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP16 ES1	1.60	17	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP30 ES1	1.80	19	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP15 ES1	0.30-0.70	20	09/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					09/02/2021	**Asbestos Fibres**	NAD
					09/02/2021	**Asbestos ACM**	NAD
					09/02/2021	**Asbestos Type**	NAD
					09/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP15 ES2	1.00	22	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP01 ES1	0.50	24	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH04 ES1	0.50	28	08/02/2021	**General Description (Bulk Analysis)**	soil.stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP13 ES1	0.20-0.25	30	08/02/2021	**General Description (Bulk Analysis)**	soil.stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP12 ES1	0.20-0.40	34	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD

Client Name: EPS Ltd
Reference: UK20.5052C - 5001
Location: Pfizer Havant
Contact: Daryl Bowell

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/1423	1	TP12 ES1	0.20-0.40	34	08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP12 ES3	2.10	38	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH13 ES1	1.00	40	08/02/2021	**General Description (Bulk Analysis)**	soil.stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH13 ES2	6.00-6.50	41	09/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					09/02/2021	**Asbestos Fibres**	NAD
					09/02/2021	**Asbestos ACM**	NAD
					09/02/2021	**Asbestos Type**	NAD
					09/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP11 ES1	0.50	43	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	TP11 ES2	1.50	45	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH11 ES1	0.00-0.50	50	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH02 ES2	3.50-4.00	53	08/02/2021	**General Description (Bulk Analysis)**	soil.stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD
21/1423	1	BH12 ES1	0.00-0.50	55	08/02/2021	**General Description (Bulk Analysis)**	Soil/Stones
					08/02/2021	**Asbestos Fibres**	NAD
					08/02/2021	**Asbestos ACM**	NAD
					08/02/2021	**Asbestos Type**	NAD
					08/02/2021	**Asbestos Level Screen**	NAD

Client Name: EPS Ltd

Reference: UK20.5052C - 5001

Location: Pfizer Havant

Contact: Daryl Bowell

Matrix : CEN 10:1 1 Batch

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM30/PM17	Insufficient sample for test
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM26/PM0	Insufficient sample for test
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM38/PM0	Insufficient sample for test
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM20/PM0	Insufficient sample for test
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM60/PM0	Insufficient sample for test
21/1423	1	BH02 ES2	3.50-4.00	52-53	TM173/PM0	Insufficient sample for test

Client Name: EPS Ltd

Reference: UK20.5052C - 5001

Location: Pfizer Havant

Contact: Daryl Bowell

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
21/1423	1	BH10 ES2	0.70-0.90	2-3	VOC	Analysis taken from a previously sampled container.
21/1423	1	BH10 ES2	0.70-0.90	2-3	VOC	Sample holding time exceeded
21/1423	1	BH16 ES2	6.50	4	EPH, VOC	Sample holding time exceeded
21/1423	1	TP22 ES2	1.20	15	VOC	Sample holding time exceeded
21/1423	1	TP15 ES1	0.30-0.70	20	VOC	Sample holding time exceeded
21/1423	1	BH13 ES1	1.00	39-40	VOC	Sample holding time exceeded
21/1423	1	BH13 ES2	6.00-6.50	41	VOC	Sample holding time exceeded
21/1423	1	TP29 ES1	0.50	46-47	VOC	Sample holding time exceeded
21/1423	1	BH11 ES1	0.00-0.50	49-50	VOC	Sample holding time exceeded

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.

Only analyses which are accredited are recorded as deviating if set criteria are not met.

Please include all sections of this report if it is reproduced

EMT Job No.: 21/1423

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/1423

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details	Yes		AR	Yes

EMT Job No: 21/1423

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

EMT Job No: 21/1423

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes

EMT Job No: 21/1423

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 First edition (2006)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	
TM15_A	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds, Vinyl Chloride & Styrene by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Michael Judson
Date :	1st March, 2021
Your reference :	UK20.5052c
Our reference :	Test Report 21/1760 Batch 1
Location :	Pfizer, Havant
Date samples received :	9th February, 2021
Status :	Final report
Issue :	3

Seven samples were received for analysis on 9th February, 2021 of which four were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1760

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	3-4	5-6	9-11	12-13							LOD/LOR	Units	Method No.
Sample ID	WS2	WS7	WS8	WS9									
Depth	0.3-0.5	0.5-0.7	0.9-1.0	0.6-0.8									
COC No / misc													
Containers	V J	V J	V J T	V J									
Sample Date	04/02/2021	04/02/2021	04/02/2021	04/02/2021									
Sample Type	Sand	Sand	Sand	Clay									
Batch Number	1	1	1	1									
Date of Receipt	09/02/2021	09/02/2021	09/02/2021	09/02/2021									
Arsenic #M	7.4	1.9	12.7	2.1							<0.5	mg/kg	TM30/PM15
Cadmium #M	<0.1	0.2	0.2	0.2							<0.1	mg/kg	TM30/PM15
Chromium #M	42.0	204.3	99.9	162.7							<0.5	mg/kg	TM30/PM15
Copper #M	11	5	18	5							<1	mg/kg	TM30/PM15
Lead #M	21	<5	24	<5							<5	mg/kg	TM30/PM15
Mercury #M	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM30/PM15
Nickel #M	8.6	12.0	32.9	10.3							<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1	<1	<1							<1	mg/kg	TM30/PM15
Total Sulphate as SO4 #M	4023	68	-	90							<50	mg/kg	TM50/PM29
Zinc #M	47	13	69	15							<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	<0.04	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.03	<0.03	<0.03	<0.03							<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05	<0.05	<0.05							<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Phenanthrene #M	0.29	<0.03	<0.03	<0.03							<0.03	mg/kg	TM4/PM8
Anthracene #	0.10	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Fluoranthene #M	1.19	<0.03	<0.03	<0.03							<0.03	mg/kg	TM4/PM8
Pyrene #	1.24	<0.03	<0.03	<0.03							<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.68	<0.06	<0.06	<0.06							<0.06	mg/kg	TM4/PM8
Chrysene #M	0.70	<0.02	<0.02	<0.02							<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	1.30	<0.07	<0.07	<0.07							<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.71	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	0.46	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.10	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.47	<0.04	<0.04	<0.04							<0.04	mg/kg	TM4/PM8
Coronene	0.13	-	<0.04	-							<0.04	mg/kg	TM4/PM8
PAH 16 Total	7.3	<0.6	<0.6	<0.6							<0.6	mg/kg	TM4/PM8
PAH 17 Total	7.40	-	<0.64	-							<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.94	<0.05	<0.05	<0.05							<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.36	<0.02	<0.02	<0.02							<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	91	93	90	89							<0	%	TM4/PM8
VOC TICs	ND	ND	-	ND								None	TM15/PM10
Methyl Tertiary Butyl Ether #	<2	<2	-	<2							<2	ug/kg	TM15/PM10
Benzene #	<3	<3	-	<3							<3	ug/kg	TM15/PM10
Toluene #	<3	<3	-	<3							<3	ug/kg	TM15/PM10
Ethylbenzene #	<3	<3	-	<3							<3	ug/kg	TM15/PM10
m/p-Xylene #	<5	<5	-	<5							<5	ug/kg	TM15/PM10
o-Xylene #	<3	<3	-	<3							<3	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	89	100	-	97							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	83	100	-	105							<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1760

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	3-4	5-6	9-11	12-13							LOD/LOR	Units	Method No.
Sample ID	WS2	WS7	WS8	WS9									
Depth	0.3-0.5	0.5-0.7	0.9-1.0	0.6-0.8									
COC No / misc													
Containers	V J	V J	V J T	V J									
Sample Date	04/02/2021	04/02/2021	04/02/2021	04/02/2021									
Sample Type	Sand	Sand	Sand	Clay									
Batch Number	1	1	1	1									
Date of Receipt	09/02/2021	09/02/2021	09/02/2021	09/02/2021									
SVOC TICs	See Attached	See Attached	-	See Attached								None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	204	-	<30	-							<30	mg/kg	TM5/PM8/PM16
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	<0.2	<0.2	<0.2	<0.2							<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	<4	<4	<4	<4							<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	16	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	144	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	160	<19	<19	<19							<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	<0.2	<0.2	<0.2	<0.2							<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	<4	<4	<4	<4							<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	21	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	250	<7	<7	<7							<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	271	<19	<19	<19							<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	431	<38	<38	<38							<38	mg/kg	TM5/TM36/PM8/PM12/PM16
MTBE #	-	-	<5	-							<5	ug/kg	TM36/PM12
Benzene #	-	-	<5	-							<5	ug/kg	TM36/PM12
Toluene #	-	-	<5	-							<5	ug/kg	TM36/PM12
Ethylbenzene #	-	-	<5	-							<5	ug/kg	TM36/PM12
m/p-Xylene #	-	-	<5	-							<5	ug/kg	TM36/PM12
o-Xylene #	-	-	<5	-							<5	ug/kg	TM36/PM12
PCB 28 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 52 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 101 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 118 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 138 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 153 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
PCB 180 #	<5	-	<5	<5							<5	ug/kg	TM17/PM8
Total 7 PCBs #	<35	-	<35	<35							<35	ug/kg	TM17/PM8
Total Phenols HPLC	<0.15	<0.15	-	<0.15							<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	9.8	21.3	21.9	23.1							<0.1	%	PM4/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1760

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	3-4	5-6	9-11	12-13							LOD/LOR	Units	Method No.
Sample ID	WS2	WS7	WS8	WS9									
Depth	0.3-0.5	0.5-0.7	0.9-1.0	0.6-0.8									
COC No / misc													
Containers	V J	V J	V J T	V J									
Sample Date	04/02/2021	04/02/2021	04/02/2021	04/02/2021									
Sample Type	Sand	Sand	Sand	Clay									
Batch Number	1	1	1	1									
Date of Receipt	09/02/2021	09/02/2021	09/02/2021	09/02/2021									
Ammoniacal Nitrogen as N	<0.6	<0.6	-	<0.6							<0.6	mg/kg	TM38/PM20
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3							<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.3009	0.0168	-	0.0108							<0.0015	g/l	TM38/PM20
Chromium III	42.0	204.3	99.9	162.7							<0.5	mg/kg	NONE/NONE
Total Cyanide #M	<0.5	<0.5	-	<0.5							<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	0.89	-	0.29	-							<0.02	%	TM21/PM24
Organic Matter	1.6	<0.2	-	<0.2							<0.2	%	TM21/PM24
Loss on Ignition #	-	-	5.9	-							<1.0	%	TM22/PM0
pH #M	11.16	8.70	7.97	8.57							<0.01	pH units	TM73/PM11
Sample Type	Sand	Sand	Sand	Clay								None	PM13/PM0
Sample Colour	Light Brown	Light Grey	Medium Brown	Medium Brown								None	PM13/PM0
Other Items	Stones, brick	Stones	Stones	Stones								None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1760

SVOC Report : **Solid**

EMT Sample No.	3-4	5-6	12-13									
Sample ID	WS2	WS7	WS9									
Depth	0.3-0.5	0.5-0.7	0.6-0.8							Please see attached notes for all abbreviations and acronyms		
COC No / misc												
Containers	V J	V J	V J									
Sample Date	04/02/2021	04/02/2021	04/02/2021									
Sample Type	Sand	Sand	Clay									
Batch Number	1	1	1									
Date of Receipt	09/02/2021	09/02/2021	09/02/2021									
SVOC MS										LOD/LOR	Units	Method No.
Phenols												
2-Chlorophenol #M	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10							<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10							<10	ug/kg	TM16/PM8
Phenol #M	<10	<10	<10							<10	ug/kg	TM16/PM8
PAHs												
2-Chloronaphthalene #M	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	<10	<10	<10							<10	ug/kg	TM16/PM8
Phthalates												
Bis(2-ethylhexyl) phthalate	597	<100	<100							<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	<100							<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	<100							<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100							<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100							<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100	<100							<100	ug/kg	TM16/PM8
Other SVOCs												
1,2-Dichlorobenzene	<10	<10	<10							<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<10	<10							<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10	<10							<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10							<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10							<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10							<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10							<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10	<10							<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10	<10							<10	ug/kg	TM16/PM8
Carbazole	34	<10	<10							<10	ug/kg	TM16/PM8
Dibenzofuran #M	13	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10							<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10	<10							<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10	<10	<10							<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10	<10							<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	109	108	107							<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	109	103	106							<0	%	TM16/PM8

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1760

VOC Report : **Solid**

EMT Sample No.	3-4	5-6	12-13									
Sample ID	WS2	WS7	WS9									
Depth	0.3-0.5	0.5-0.7	0.6-0.8							Please see attached notes for all abbreviations and acronyms		
COC No / misc												
Containers	V J	V J	V J									
Sample Date	04/02/2021	04/02/2021	04/02/2021									
Sample Type	Sand	Sand	Clay									
Batch Number	1	1	1									
Date of Receipt	09/02/2021	09/02/2021	09/02/2021									
VOC MS										LOD/LOR	Units	Method No.
Dichlorodifluoromethane	<2	<2	<2							<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #	<2	<2	<2							<2	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2							<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1							<1	ug/kg	TM15/PM10
Chloroethane #	<2	<2	<2							<2	ug/kg	TM15/PM10
Trichlorofluoromethane #	<2	<2	<2							<2	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<6	<6	<6							<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30							<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3							<3	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4							<4	ug/kg	TM15/PM10
Bromochloromethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Chloroform #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,1-Trichloroethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3							<3	ug/kg	TM15/PM10
Carbon tetrachloride #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2-Dichloroethane #	<4	<4	<4							<4	ug/kg	TM15/PM10
Benzene #	<3	<3	<3							<3	ug/kg	TM15/PM10
Trichloroethene (TCE) #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,2-Dichloropropane #	<6	<6	<6							<6	ug/kg	TM15/PM10
Dibromomethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Bromodichloromethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4							<4	ug/kg	TM15/PM10
Toluene #	<3	<3	<3							<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,3-Dichloropropane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Dibromochloromethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Chlorobenzene #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Ethylbenzene #	<3	<3	<3							<3	ug/kg	TM15/PM10
m/p-Xylene #	<5	<5	<5							<5	ug/kg	TM15/PM10
o-Xylene #	<3	<3	<3							<3	ug/kg	TM15/PM10
Styrene	<3	<3	<3							<3	ug/kg	TM15_A/PM10
Bromoform	<3	<3	<3							<3	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2							<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #	<4	<4	<4							<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4							<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3							<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3							<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3							<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6							<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4							<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4+							<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4							<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4+							<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene	<7	<7	<7							<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4							<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27							<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene	<7	<7	<7							<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	89	100	97							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	83	100	105							<0	%	TM15/PM10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1760
Sample number: 4
Sample identity: WS2
Sample depth: 0.3-0.5
Sample Type: Sand
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
832-69-9	Phenanthrene, 1-methyl-	10.705	86	148
832-64-4	Phenanthrene, 4-methyl-	10.771	94	191
2531-84-2	Phenanthrene, 2-methyl-	10.826	94	311
1576-67-6	Phenanthrene, 3,6-dimethyl-	11.228	95	279
1000400-52-2	anthracene, 2,7-dimethyl-	11.338	90	262
2789-88-0	di-p-Tolylacetylene	11.355	92	125
116196-83-9	4,4'-Bis(tetrahydrothiopyran)	11.515	90	301
1000400-58-5	quinoline, 6-chloro-5-nitro-	11.557	90	320
544-76-3	Hexadecane	11.582	93	113
77581-11-4	2,9-Dimethyl-2,3,4,5,6,7-hexahydro-1H-2-benzazonine	11.785	93	186
243-42-5	Benzo[b]naphtho[2,3-d]furan	11.802	83	279
2435-53-2	Tetrachloro-o-benzoquinone	11.903	93	126
288246-53-7	Pyridine-3-carboxamide, oxime, N-(2-trifluoromethylphenyl)-	11.962	91	222
112-95-8	Eicosane	11.995	94	189
2381-21-7	Pyrene, 1-methyl-	12.038	86	505
483-65-8	Retene	12.088	91	154
479-79-8	11H-Benzo[a]fluoren-11-one	12.628	93	355
68479-22-1	3-Bromo-7-methoxy pyrazolo[4,3-d]pyrimidine	12.704	90	198
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	12.788	90	316
14427-61-3	1(2H)-Phenanthrenone, 3,4,9,10-tetrahydro-7-methoxy-	12.822	92	239
205-43-6	Benzo[b]naphtho[1,2-d]thiophene	12.994	86	115
3697-24-3	Chrysene, 5-methyl-	13.709	91	567
1000388-33-0	3-Hydroxy-2-(2-methylpyrazol-3-yl)chromen-4-one	13.742	93	275
6418-47-9	Heneicosane, 3-methyl-	13.808	81	600
192-97-2	Benzo[e]pyrene	14.810	96	1533

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1760
Sample number: 6
Sample identity: WS7
Sample depth: 0.5-0.7
Sample Type: Sand
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
272-16-2	1,2-Benzisothiazole	6.814	87	201
18435-45-5	1-Nonadecene	11.962	99	409
629-87-8	2-Methylpentacosane	12.881	80	279
638-67-5	Tricosane	13.344	91	351

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/1760
Sample number: 13
Sample identity: WS9
Sample depth: 0.6-0.8
Sample Type: Clay
Units: ug/kg

Method: SVOC
Matrix: Solid

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
95-16-9	Benzothiazole	6.814	87	124
7206-21-5	5-Octadecene, (E)-	11.962	91	313
112-95-8	Eicosane	12.872	93	220

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

CEN 10:1 LEACHATE RESULTS BS EN 12547-2

Mass of sample taken (kg)	-	Moisture Content Ratio (%) =	NDP
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	NDP
Particle Size <4mm =	>95%		

		Landfill Waste Acceptance Criteria Limits		
EMT Job No	**21/1760**			
Sample No	**4**			
Client Sample No	**WS2**	**Inert Waste Landfill**	**Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill**	**Hazardous Waste Landfill**
Depth/Other	**0.3-0.5**			
Sample Date	**04/02/2021**			
Batch No	**1**			
Solid Waste Analysis				
Total Organic Carbon (%)	0.89	3	5	6
Loss on Ignition (%)	-	-	-	10
Sum of BTEX (mg/kg)	<0.017	6	-	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	204	500	-	-
PAH Sum of 17(mg/kg)	7.40	100	-	-
pH (pH Units)	-	-	>6	-
ANC to pH 7 (mol/kg)	-	-	to be evaluated	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated	to be evaluated

Eluate Analysis	**10:1 conc^{n} leached**		**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
	C_{10}	**A_{10}**			
	mg/l	**mg/kg**	**mg/kg**		
Arsenic	NDP	NDP	0.5	2	25
Barium	NDP	NDP	20	100	300
Cadmium	NDP	NDP	0.04	1	5
Chromium	NDP	NDP	0.5	10	70
Copper	NDP	NDP	2	50	100
Mercury	NDP	NDP	0.01	0.2	2
Molybdenum	NDP	NDP	0.5	10	30
Nickel	NDP	NDP	0.4	10	40
Lead	NDP	NDP	0.5	10	50
Antimony	NDP	NDP	0.06	0.7	5
Selenium	NDP	NDP	0.1	0.5	7
Zinc	NDP	NDP	4	50	200
Chloride	NDP	NDP	800	15000	25000
Fluoride	NDP	NDP	10	150	500
Sulphate as SO4	NDP	NDP	1000	20000	50000
Total Dissolved Solids	NDP	NDP	4000	60000	100000
Phenol	NDP	NDP	1	-	-
Dissolved Organic Carbon	NDP	-	500	800	1000

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

CEN 10:1 LEACHATE RESULTS BS EN 12547-2

Mass of sample taken (kg)	-	Moisture Content Ratio (%) =	29.3
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	77.3
Particle Size <4mm =	>95%		

		Landfill Waste Acceptance Criteria Limits		
EMT Job No	**21/1760**			
Sample No	**11**			
Client Sample No	**WS8**	**Inert Waste Landfill**	**Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill**	**Hazardous Waste Landfill**
Depth/Other	**0.9-1.0**			
Sample Date	**04/02/2021**			
Batch No	**1**			
Solid Waste Analysis				
Total Organic Carbon (%)	0.29	3	5	6
Loss on Ignition (%)	5.9	-	-	10
Sum of BTEX (mg/kg)	<0.025	6	-	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30	500	-	-
PAH Sum of 17(mg/kg)	<0.64	100	-	-
pH (pH Units)	7.97	-	>6	-
ANC to pH 7 (mol/kg)	-	-	to be evaluated	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated	to be evaluated

Eluate Analysis	**10:1 conc^{n} leached**		**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
	C_{10}	**A_{10}**			
	mg/l	**mg/kg**	**mg/kg**		
Arsenic	<0.0025	<0.025	0.5	2	25
Barium	0.003	0.03	20	100	300
Cadmium	<0.0005	<0.005	0.04	1	5
Chromium	<0.0015	<0.015	0.5	10	70
Copper	<0.007	<0.07	2	50	100
Mercury	<0.001	<0.01	0.01	0.2	2
Molybdenum	<0.002	<0.02	0.5	10	30
Nickel	<0.002	<0.02	0.4	10	40
Lead	<0.005	<0.05	0.5	10	50
Antimony	<0.002	<0.02	0.06	0.7	5
Selenium	<0.003	<0.03	0.1	0.5	7
Zinc	0.006	0.06	4	50	200
Chloride	17.4	174	800	15000	25000
Fluoride	<0.3	<3	10	150	500
Sulphate as SO4	8.8	88	1000	20000	50000
Total Dissolved Solids	37	370	4000	60000	100000
Phenol	<0.05	<0.5	1	-	-
Dissolved Organic Carbon	21	210	500	800	1000

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
21/1760	1	WS2	0.3-0.5	3-4	PAH's & Possible tarmac/bitumen
21/1760	1	WS7	0.5-0.7	5-6	No interpretation possible
21/1760	1	WS8	0.9-1.0	9-11	No interpretation possible
21/1760	1	WS9	0.6-0.8	12-13	No interpretation possible

Please include all sections of this report if it is reproduced

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/1760	1	WS2	0.3-0.5	4	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1760	1	WS7	0.5-0.7	6	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1760	1	WS8	0.9-1.0	10	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1760	1	WS9	0.6-0.8	13	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
21/1760	1	WS2	0.3-0.5	3-4	NONE/PM4	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	PM4/PM0	Insufficient sample for test

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : CEN 10:1 1 Batch

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
21/1760	1	WS2	0.3-0.5	3-4	TM30/PM17	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	TM26/PM0	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	TM38/PM0	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	TM20/PM0	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	TM60/PM0	Insufficient sample for test
21/1760	1	WS2	0.3-0.5	3-4	TM173/PM0	Insufficient sample for test

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
21/1760	1	WS2	0.3-0.5	3-4	PCB	Sample holding time exceeded
21/1760	1	WS9	0.6-0.8	12-13	PCB	Sample holding time exceeded

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.

Only analyses which are accredited are recorded as deviating if set criteria are not met.

Please include all sections of this report if it is reproduced

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/1760

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range
AA	x5 Dilution

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/1760

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details	Yes		AR	Yes

EMT Job No: 21/1760

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM22	Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)	PM0	No preparation is required.	Yes		AD	Yes

EMT Job No: 21/1760

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM0	No preparation is required.	Yes		AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes

EMT Job No: 21/1760

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 First edition (2006)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.	Yes	Yes	AR	Yes
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	
TM15_A	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds, Vinyl Chloride & Styrene by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Michael Judson
Date :	1st March, 2021
Your reference :	UK20.5052c
Our reference :	Test Report 21/1857 Batch 1
Location :	Pfizer, Havant
Date samples received :	11th February, 2021
Status :	Final report
Issue :	4

Twenty eight samples were received for analysis on 11th February, 2021 of which twenty eight were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:



Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1	2-4	5	6	7	8	9	10	11	12	LOD/LOR	Units	Method No.
Sample ID	BH1	BH1	BH1	BH3	BH3	BH4	BH4	BH4	BH2	BH2			
Depth	2.50	2.50-3.00	10.00-10.45	2.95-3.00	12.45-12.50	5.50-5.95	14.95-15.00	17.50-17.95	1.15-2.00	3.95-4.00			
COC No / misc													
Containers	T	V J T	T	T	T	T	T	T	T	T			
Sample Date	02/02/2021	02/02/2021	02/02/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	28/01/2021	28/01/2021			
Sample Type	Clayey Sand	Clayey Sand	Clay	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Sand			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Arsenic #M	-	2.7	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM15
Cadmium #M	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM15
Chromium #M	-	158.7	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM30/PM15
Copper #M	-	4	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM15
Lead #M	-	<5	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM15
Mercury #M	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM30/PM15
Nickel #M	-	8.2	-	-	-	-	-	-	-	-	<0.7	mg/kg	TM30/PM15
Selenium #M	-	<1	-	-	-	-	-	-	-	-	<1	mg/kg	TM30/PM15
Sulphur as S	0.02	-	0.42	<0.01	0.31	0.01	0.39	0.40	0.03	<0.01	<0.01	%	TM30/PM15
Total Sulphate as SO4 #M	94	<50	596	112	650	198	516	613	659	<50	<50	mg/kg	TM50/PM29
Zinc #M	-	9	-	-	-	-	-	-	-	-	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	<0.03	-	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM8
Acenaphthene #M	-	<0.05	-	-	-	-	-	-	-	-	<0.05	mg/kg	TM4/PM8
Fluorene #M	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Phenanthrene #M	-	<0.03	-	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM8
Anthracene #	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Fluoranthene #M	-	<0.03	-	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM8
Pyrene #	-	<0.03	-	-	-	-	-	-	-	-	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	<0.06	-	-	-	-	-	-	-	-	<0.06	mg/kg	TM4/PM8
Chrysene #M	-	<0.02	-	-	-	-	-	-	-	-	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	-	<0.07	-	-	-	-	-	-	-	-	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	<0.04	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
Coronene	-	-	-	-	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	<0.6	-	-	-	-	-	-	-	-	<0.6	mg/kg	TM4/PM8
PAH 17 Total	-	-	-	-	-	-	-	-	-	-	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	<0.05	-	-	-	-	-	-	-	-	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	<0.02	-	-	-	-	-	-	-	-	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	93	-	-	-	-	-	-	-	-	<0	%	TM4/PM8
VOC TICs	-	ND	-	-	-	-	-	-	-	-		None	TM15/PM10
SVOC TICs	-	ND	-	-	-	-	-	-	-	-		None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	-	-	-	-	-	-	-	-	-	-	<30	mg/kg	TM5/PM8/PM16

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1	2-4	5	6	7	8	9	10	11	12	LOD/LOR	Units	Method No.
Sample ID	BH1	BH1	BH1	BH3	BH3	BH4	BH4	BH4	BH2	BH2			
Depth	2.50	2.50-3.00	10.00-10.45	2.95-3.00	12.45-12.50	5.50-5.95	14.95-15.00	17.50-17.95	1.15-2.00	3.95-4.00			
COC No / misc													
Containers	T	V J T	T	T	T	T	T	T	T	T			
Sample Date	02/02/2021	02/02/2021	02/02/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	28/01/2021	28/01/2021			
Sample Type	Clayey Sand	Clayey Sand	Clay	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Sand			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	-	<0.2	-	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	-	<4	-	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	-	<7	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	-	<7	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	-	<19	-	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	-	<0.1	-	-	-	-	-	-	-	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	-	<0.2	-	-	-	-	-	-	-	-	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	-	<4	-	-	-	-	-	-	-	-	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	-	<7	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	-	<7	-	-	-	-	-	-	-	-	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	-	<19	-	-	-	-	-	-	-	-	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	-	<38	-	-	-	-	-	-	-	-	<38	mg/kg	TM5/TM36/PM8/PM12/PM16
MTBE #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
Benzene #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
Toluene #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
Ethylbenzene #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
m/p-Xylene #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
o-Xylene #	-	<5	-	-	-	-	-	-	-	-	<5	ug/kg	TM36/PM12
PCB 28 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 52 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 101 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 118 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 138 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 153 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 180 #	-	-	-	-	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
Total 7 PCBs #	-	-	-	-	-	-	-	-	-	-	<35	ug/kg	TM17/PM8
Total Phenols HPLC	-	<0.15	-	-	-	-	-	-	-	-	<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	-	23.4	-	-	-	-	-	-	-	-	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	-	<0.6	-	-	-	-	-	-	-	-	<0.6	mg/kg	TM38/PM20
Hexavalent Chromium #	-	<0.3	-	-	-	-	-	-	-	-	<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.0220	0.0187	0.0990	0.0289	0.1045	0.0157	0.1187	0.1411	0.1822	0.0046	<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1	2-4	5	6	7	8	9	10	11	12	LOD/LOR	Units	Method No.
Sample ID	BH1	BH1	BH1	BH3	BH3	BH4	BH4	BH4	BH2	BH2			
Depth	2.50	2.50-3.00	10.00-10.45	2.95-3.00	12.45-12.50	5.50-5.95	14.95-15.00	17.50-17.95	1.15-2.00	3.95-4.00			
COC No / misc													
Containers	T	V J T	T	T	T	T	T	T	T	T			
Sample Date	02/02/2021	02/02/2021	02/02/2021	26/01/2021	26/01/2021	26/01/2021	27/01/2021	27/01/2021	28/01/2021	28/01/2021			
Sample Type	Clayey Sand	Clayey Sand	Clay	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Sand			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Chromium III	-	158.7	-	-	-	-	-	-	-	-	<0.5	mg/kg	NONE/NONE
Total Cyanide #M	-	<0.5	-	-	-	-	-	-	-	-	<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	-	-	-	-	-	-	-	-	-	-	<0.02	%	TM21/PM24
Organic Matter	-	<0.2	-	-	-	-	-	-	-	-	<0.2	%	TM21/PM24
Loss on Ignition #	-	-	-	-	-	-	-	-	-	-	<1.0	%	TM22/PM0
pH #M	9.44	8.63	8.64	8.77	8.77	8.51	8.60	8.75	9.76	8.99	<0.01	pH units	TM73/PM11
Sample Type	Clayey Sand	Clayey Sand	Clay	Clayey Sand	Clay	Clay	Clay	Clay	Clay	Sand		None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Light Brown	Medium Brown	Medium Brown	Medium Brown	Light Brown		None	PM13/PM0
Other Items	stones, water	stones, water	n/a	Stones	n/a	Stones	n/a	n/a	Stones	Stones		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	13	14-16	17-19	20-22	23	24	25	26	27-30	31	LOD/LOR	Units	Method No.
Sample ID	BH2	BH8	BH8	BH8	BH10	BH10	BH11	BH11	BH12	BH12			
Depth	9.45-9.50	0.80	2.50-3.00	11.95-12.00	2.50-3.00	10.45-10.50	3.60-4.00	11.50-11.95	2.50-3.00	7.45-7.50			
COC No / misc													
Containers	T	V J T	V J T	V J T	T	T	T	T	V J T	T			
Sample Date	28/01/2021	02/02/2021	02/02/2021	02/02/2021	25/01/2021	25/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021			
Sample Type	Clay	Clayey Sand	Sand	Clay	Sand	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Arsenic #M	-	2.8	8.0	8.1	-	-	-	-	4.2	-	<0.5	mg/kg	TM30/PM15
Cadmium #M	-	0.4	<0.1	<0.1	-	-	-	-	0.2	-	<0.1	mg/kg	TM30/PM15
Chromium #M	-	57.6	71.8	48.7	-	-	-	-	111.1	-	<0.5	mg/kg	TM30/PM15
Copper #M	-	6	6	15	-	-	-	-	10	-	<1	mg/kg	TM30/PM15
Lead #M	-	6	<5	11	-	-	-	-	9	-	<5	mg/kg	TM30/PM15
Mercury #M	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM30/PM15
Nickel #M	-	8.6	10.8	39.6	-	-	-	-	14.9	-	<0.7	mg/kg	TM30/PM15
Selenium #M	-	<1	<1	<1	-	-	-	-	<1	-	<1	mg/kg	TM30/PM15
Sulphur as S	0.43	-	-	0.43	<0.01	0.43	<0.01	0.47	0.01	1.00	<0.01	%	TM30/PM15
Total Sulphate as SO4 #M	523	218	86	1029	<50	957	166	1240	198	1636	<50	mg/kg	TM50/PM29
Zinc #M	-	23	25	66	-	-	-	-	25	-	<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	<0.03	<0.03	<0.03	-	-	-	-	<0.03	-	<0.03	mg/kg	TM4/PM8
Acenaphthene #M	-	<0.05	<0.05	<0.05	-	-	-	-	<0.05	-	<0.05	mg/kg	TM4/PM8
Fluorene #M	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Phenanthrene #M	-	<0.03	<0.03	<0.03	-	-	-	-	<0.03	-	<0.03	mg/kg	TM4/PM8
Anthracene #	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Fluoranthene #M	-	<0.03	<0.03	<0.03	-	-	-	-	0.11	-	<0.03	mg/kg	TM4/PM8
Pyrene #	-	<0.03	<0.03	<0.03	-	-	-	-	0.10	-	<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	<0.06	<0.06	<0.06	-	-	-	-	0.08	-	<0.06	mg/kg	TM4/PM8
Chrysene #M	-	<0.02	<0.02	<0.02	-	-	-	-	0.07	-	<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	-	<0.07	<0.07	<0.07	-	-	-	-	0.11	-	<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	<0.04	<0.04	<0.04	-	-	-	-	0.05	-	<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	<0.04	<0.04	<0.04	-	-	-	-	<0.04	-	<0.04	mg/kg	TM4/PM8
Coronene	-	-	-	<0.04	-	-	-	-	-	-	<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	<0.6	<0.6	<0.6	-	-	-	-	<0.6	-	<0.6	mg/kg	TM4/PM8
PAH 17 Total	-	-	-	<0.64	-	-	-	-	-	-	<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	<0.05	<0.05	<0.05	-	-	-	-	0.08	-	<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	<0.02	<0.02	<0.02	-	-	-	-	0.03	-	<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	95	101	86	-	-	-	-	100	-	<0	%	TM4/PM8
VOC TICs	-	ND	ND	-	-	-	-	-	ND	-		None	TM15/PM10
SVOC TICs	-	ND	ND	-	-	-	-	-	ND	-		None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	-	-	-	<30	-	-	-	-	-	-	<30	mg/kg	TM5/PM8/PM16

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	13	14-16	17-19	20-22	23	24	25	26	27-30	31	LOD/LOR	Units	Method No.
Sample ID	BH2	BH8	BH8	BH8	BH10	BH10	BH11	BH11	BH12	BH12			
Depth	9.45-9.50	0.80	2.50-3.00	11.95-12.00	2.50-3.00	10.45-10.50	3.60-4.00	11.50-11.95	2.50-3.00	7.45-7.50			
COC No / misc													
Containers	T	V J T	V J T	V J T	T	T	T	T	V J T	T			
Sample Date	28/01/2021	02/02/2021	02/02/2021	02/02/2021	25/01/2021	25/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021			
Sample Type	Clay	Clayey Sand	Sand	Clay	Sand	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	-	<0.2	<0.2	<0.2	-	-	-	-	<0.2	-	<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	-	<4	<4	<4	-	-	-	-	<4	-	<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	-	<7	<7	<7	-	-	-	-	<7	-	<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	-	<7	<7	<7	-	-	-	-	<7	-	<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	-	<19	<19	<19	-	-	-	-	<19	-	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	-	<0.1	<0.1	<0.1	-	-	-	-	<0.1	-	<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	-	<0.2	<0.2	<0.2	-	-	-	-	<0.2	-	<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	-	<4	<4	<4	-	-	-	-	<4	-	<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	-	<7	<7	<7	-	-	-	-	<7	-	<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	-	<7	<7	<7	-	-	-	-	<7	-	<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	-	<19	<19	<19	-	-	-	-	<19	-	<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	-	<38	<38	<38	-	-	-	-	<38	-	<38	mg/kg	TM5/TM36/PM8/PM12/PM16
MTBE #	-	<5	<5	<5	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
Benzene #	-	<5	<5	<5	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
Toluene #	-	<5	<5	8	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
Ethylbenzene #	-	<5	<5	<5	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
m/p-Xylene #	-	<5	<5	<5	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
o-Xylene #	-	<5	<5	<5	-	-	-	-	<5	-	<5	ug/kg	TM36/PM12
PCB 28 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 52 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 101 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 118 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 138 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 153 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
PCB 180 #	-	-	-	<5	-	-	-	-	-	-	<5	ug/kg	TM17/PM8
Total 7 PCBs #	-	-	-	<35	-	-	-	-	-	-	<35	ug/kg	TM17/PM8
Total Phenols HPLC	-	<0.15	<0.15	-	-	-	-	-	<0.15	-	<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	-	21.5	23.6	13.7	-	-	-	-	18.8	-	<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	-	<0.6	<0.6	-	-	-	-	-	<0.6	-	<0.6	mg/kg	TM38/PM20
Hexavalent Chromium #	-	<0.3	<0.3	<0.3	-	-	-	-	<0.3	-	<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.0963	0.0208	0.0113	0.1533	0.0032	0.2225	0.0084	0.2255	0.0451	0.2758	<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	13	14-16	17-19	20-22	23	24	25	26	27-30	31	LOD/LOR	Units	Method No.
Sample ID	BH2	BH8	BH8	BH8	BH10	BH10	BH11	BH11	BH12	BH12			
Depth	9.45-9.50	0.80	2.50-3.00	11.95-12.00	2.50-3.00	10.45-10.50	3.60-4.00	11.50-11.95	2.50-3.00	7.45-7.50			
COC No / misc													
Containers	T	V J T	V J T	V J T	T	T	T	T	V J T	T			
Sample Date	28/01/2021	02/02/2021	02/02/2021	02/02/2021	25/01/2021	25/01/2021	28/01/2021	28/01/2021	29/01/2021	29/01/2021			
Sample Type	Clay	Clayey Sand	Sand	Clay	Sand	Clay	Clay	Clay	Clay	Clay			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021			
Chromium III	-	57.6	71.8	48.7	-	-	-	-	111.1	-	<0.5	mg/kg	NONE/NONE
Total Cyanide #M	-	<0.5	<0.5	-	-	-	-	-	<0.5	-	<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	-	-	-	0.39	-	-	-	-	-	-	<0.02	%	TM21/PM24
Organic Matter	-	0.2	<0.2	-	-	-	-	-	0.4	-	<0.2	%	TM21/PM24
Loss on Ignition #	-	-	-	10.2	-	-	-	-	-	-	<1.0	%	TM22/PM0
pH #M	8.73	8.47	8.75	8.17	8.89	8.13	8.97	8.20	8.28	8.01	<0.01	pH units	TM73/PM11
Sample Type	Clay	Clayey Sand	Sand	Clay	Sand	Clay	Clay	Clay	Clay	Clay		None	PM13/PM0
Sample Colour	Medium Brown	Light Brown	Light Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown		None	PM13/PM0
Other Items	n/a	Stones	Stones	Stones	stones	stones	stones	stones	stones	stones		None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	32	33	34	35	36	37	38	39			LOD/LOR	Units	Method No.
Sample ID	BH13	BH13	BH16	BH16	BH16	BH17	BH17	BH17					
Depth	4.95-5.00	8.95-9.00	2.95-3.00	4.90-5.00	11.95-12.00	3.95-4.00	5.95-6.00	8.95-9.00					
COC No / misc													
Containers	T	T	T	T	T	T	T	T					
Sample Date	27/01/2021	27/01/2021	22/01/2021	22/01/2021	22/01/2021	21/01/2021	21/01/2021	21/01/2021					
Sample Type	Clay	Clayey Sand	Clay	Clay	Clay	Sand	Clay	Clay					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021					
Arsenic #M	-	-	-	-	-	-	-	-			<0.5	mg/kg	TM30/PM15
Cadmium #M	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM30/PM15
Chromium #M	-	-	-	-	-	-	-	-			<0.5	mg/kg	TM30/PM15
Copper #M	-	-	-	-	-	-	-	-			<1	mg/kg	TM30/PM15
Lead #M	-	-	-	-	-	-	-	-			<5	mg/kg	TM30/PM15
Mercury #M	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM30/PM15
Nickel #M	-	-	-	-	-	-	-	-			<0.7	mg/kg	TM30/PM15
Selenium #M	-	-	-	-	-	-	-	-			<1	mg/kg	TM30/PM15
Sulphur as S	0.35	0.01	<0.01	0.01	0.28	<0.01	0.01	0.42			<0.01	%	TM30/PM15
Total Sulphate as SO4 #M	653	132	102	222	423	<50	224	1320			<50	mg/kg	TM50/PM29
Zinc #M	-	-	-	-	-	-	-	-			<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene #M	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	-	-	-	-	-	-	-			<0.03	mg/kg	TM4/PM8
Acenaphthene #M	-	-	-	-	-	-	-	-			<0.05	mg/kg	TM4/PM8
Fluorene #M	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Phenanthrene #M	-	-	-	-	-	-	-	-			<0.03	mg/kg	TM4/PM8
Anthracene #	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Fluoranthene #M	-	-	-	-	-	-	-	-			<0.03	mg/kg	TM4/PM8
Pyrene #	-	-	-	-	-	-	-	-			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	-	-	-	-	-	-	-	-			<0.06	mg/kg	TM4/PM8
Chrysene #M	-	-	-	-	-	-	-	-			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	-	-	-	-	-	-	-	-			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
Coronene	-	-	-	-	-	-	-	-			<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	-	-	-	-	-	-	-			<0.6	mg/kg	TM4/PM8
PAH 17 Total	-	-	-	-	-	-	-	-			<0.64	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-			<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	-	-	-	-	-	-	-			<0	%	TM4/PM8
VOC TICs	-	-	-	-	-	-	-	-				None	TM15/PM10
SVOC TICs	-	-	-	-	-	-	-	-				None	TM16/PM8
Mineral Oil (C10-C40) (EH_CU_1D_AL)	-	-	-	-	-	-	-	-			<30	mg/kg	TM5/PM8/PM16

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	32	33	34	35	36	37	38	39			LOD/LOR	Units	Method No.
Sample ID	BH13	BH13	BH16	BH16	BH16	BH17	BH17	BH17					
Depth	4.95-5.00	8.95-9.00	2.95-3.00	4.90-5.00	11.95-12.00	3.95-4.00	5.95-6.00	8.95-9.00					
COC No / misc													
Containers	T	T	T	T	T	T	T	T					
Sample Date	27/01/2021	27/01/2021	22/01/2021	22/01/2021	22/01/2021	21/01/2021	21/01/2021	21/01/2021					
Sample Type	Clay	Clayey Sand	Clay	Clay	Clay	Sand	Clay	Clay					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021					
TPH CWG													
Aliphatics													
>C5-C6 (HS_1D_AL) #M	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>C6-C8 (HS_1D_AL) #M	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>C8-C10 (HS_1D_AL)	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>C10-C12 (EH_CU_1D_AL) #M	-	-	-	-	-	-	-	-			<0.2	mg/kg	TM5/PM8/PM16
>C12-C16 (EH_CU_1D_AL) #M	-	-	-	-	-	-	-	-			<4	mg/kg	TM5/PM8/PM16
>C16-C21 (EH_CU_1D_AL) #M	-	-	-	-	-	-	-	-			<7	mg/kg	TM5/PM8/PM16
>C21-C35 (EH_CU_1D_AL) #M	-	-	-	-	-	-	-	-			<7	mg/kg	TM5/PM8/PM16
Total aliphatics C5-35 (EH+HS_CU_1D_AL)	-	-	-	-	-	-	-	-			<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Aromatics													
>C5-EC7 (HS_1D_AR) #	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>EC7-EC8 (HS_1D_AR) #	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>EC8-EC10 (HS_1D_AR) #M	-	-	-	-	-	-	-	-			<0.1	mg/kg	TM36/PM12
>EC10-EC12 (EH_CU_1D_AR) #	-	-	-	-	-	-	-	-			<0.2	mg/kg	TM5/PM8/PM16
>EC12-EC16 (EH_CU_1D_AR) #	-	-	-	-	-	-	-	-			<4	mg/kg	TM5/PM8/PM16
>EC16-EC21 (EH_CU_1D_AR) #	-	-	-	-	-	-	-	-			<7	mg/kg	TM5/PM8/PM16
>EC21-EC35 (EH_CU_1D_AR) #	-	-	-	-	-	-	-	-			<7	mg/kg	TM5/PM8/PM16
Total aromatics C5-35 (EH+HS_CU_1D_AR) #	-	-	-	-	-	-	-	-			<19	mg/kg	TM5/TM36/PM8/PM12/PM16
Total aliphatics and aromatics(C5-35) (EH+HS_CU_1D_Total)	-	-	-	-	-	-	-	-			<38	mg/kg	TM5/TM36/PM8/PM12/PM16
MTBE #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
Benzene #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
Toluene #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
Ethylbenzene #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
m/p-Xylene #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
o-Xylene #	-	-	-	-	-	-	-	-			<5	ug/kg	TM36/PM12
PCB 28 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 52 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 101 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 118 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 138 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 153 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
PCB 180 #	-	-	-	-	-	-	-	-			<5	ug/kg	TM17/PM8
Total 7 PCBs #	-	-	-	-	-	-	-	-			<35	ug/kg	TM17/PM8
Total Phenols HPLC	-	-	-	-	-	-	-	-			<0.15	mg/kg	TM26/PM21B
Natural Moisture Content	-	-	-	-	-	-	-	-			<0.1	%	PM4/PM0
Ammoniacal Nitrogen as N	-	-	-	-	-	-	-	-			<0.6	mg/kg	TM38/PM20
Hexavalent Chromium #	-	-	-	-	-	-	-	-			<0.3	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #M	0.0968	0.0199	0.0099	0.0120	0.0909	0.0070	0.0122	0.2773			<0.0015	g/l	TM38/PM20

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	32	33	34	35	36	37	38	39			LOD/LOR	Units	Method No.
Sample ID	BH13	BH13	BH16	BH16	BH16	BH17	BH17	BH17					
Depth	4.95-5.00	8.95-9.00	2.95-3.00	4.90-5.00	11.95-12.00	3.95-4.00	5.95-6.00	8.95-9.00					
COC No / misc													
Containers	T	T	T	T	T	T	T	T					
Sample Date	27/01/2021	27/01/2021	22/01/2021	22/01/2021	22/01/2021	21/01/2021	21/01/2021	21/01/2021					
Sample Type	Clay	Clayey Sand	Clay	Clay	Clay	Sand	Clay	Clay					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021					
Chromium III	-	-	-	-	-	-	-	-			<0.5	mg/kg	NONE/NONE
Total Cyanide #M	-	-	-	-	-	-	-	-			<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	-	-	-	-	-	-	-	-			<0.02	%	TM21/PM24
Organic Matter	-	-	-	-	-	-	-	-			<0.2	%	TM21/PM24
Loss on Ignition #	-	-	-	-	-	-	-	-			<1.0	%	TM22/PM0
pH #M	8.72	9.02	8.14	8.66	8.35	8.97	8.68	7.92			<0.01	pH units	TM73/PM11
Sample Type	Clay	Clayey Sand	Clay	Clay	Clay	Sand	Clay	Clay				None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown	Medium Brown				None	PM13/PM0
Other Items	stones	stones, water	stones	none	stones	stones	stones	stones				None	PM13/PM0

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

SVOC Report : **Solid**

EMT Sample No.	2-4	14-16	17-19	27-30							LOD/LOR	Units	Method No.
Sample ID	BH1	BH8	BH8	BH12									
Depth	2.50-3.00	0.80	2.50-3.00	2.50-3.00									
COC No / misc													
Containers	V J T	V J T	V J T	V J T									
Sample Date	02/02/2021	02/02/2021	02/02/2021	29/01/2021									
Sample Type	Clayey Sand	Clayey Sand	Sand	Clay									
Batch Number	1	1	1	1									
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021									
SVOC MS													
Phenols													
2-Chlorophenol #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Phenol #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
PAHs													
2-Chloronaphthalene #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Phthalates													
Bis(2-ethylhexyl) phthalate	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100	<100	<100							<100	ug/kg	TM16/PM8
Other SVOCs													
1,2-Dichlorobenzene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Carbazole	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Dibenzofuran #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10	<10	<10							<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	105	118	115	92							<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	93	94	101	76							<0	%	TM16/PM8

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson
EMT Job No: 21/1857

VOC Report : **Solid**

EMT Sample No.	2-4	14-16	17-19	27-30							LOD/LOR	Units	Method No.
Sample ID	BH1	BH8	BH8	BH12									
Depth	2.50-3.00	0.80	2.50-3.00	2.50-3.00									
COC No / misc													
Containers	V J T	V J T	V J T	V J T									
Sample Date	02/02/2021	02/02/2021	02/02/2021	29/01/2021									
Sample Type	Clayey Sand	Clayey Sand	Sand	Clay									
Batch Number	1	1	1	1									
Date of Receipt	11/02/2021	11/02/2021	11/02/2021	11/02/2021									
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2							<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6							<6	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2	<2							<2	ug/kg	TM15_A/PM10
Bromomethane	<1	<1	<1	<1							<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6	<6							<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6	<6							<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<30	<30	<30	<30							<30	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6	<6	<6	<6							<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7	<7							<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Chloroform #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2-Dichloroethane #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Toluene #M	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
m/p-Xylene #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3	<3							<3	ug/kg	TM15_A/PM10
Bromoform	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	<2							<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	<3							<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6	<6							<6	ug/kg	TM15/PM10
sec-Butylbenzene #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene	<7	<7	<7	<7							<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4	<4							<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27	<27							<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene	<7	<7	<7	<7							<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	98	53	100	98							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	108	59	109	100							<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

CEN 10:1 LEACHATE RESULTS BS EN 12547-2

Mass of sample taken (kg)	-	Moisture Content Ratio (%) =	25.8
Mass of dry sample (kg) =	0.09	Dry Matter Content Ratio (%) =	79.5
Particle Size <4mm =	>95%		

		Landfill Waste Acceptance Criteria Limits		
EMT Job No	**21/1857**			
Sample No	**22**			
Client Sample No	**BH8**	**Inert Waste Landfill**	**Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill**	**Hazardous Waste Landfill**
Depth/Other	**11.95-12.00**			
Sample Date	**02/02/2021**			
Batch No	**1**			
Solid Waste Analysis				
Total Organic Carbon (%)	0.39	3	5	6
Loss on Ignition (%)	10.2	-	-	10
Sum of BTEX (mg/kg)	<0.025	6	-	-
Sum of 7 PCBs (mg/kg)	<0.035	1	-	-
Mineral Oil (mg/kg) (EH_CU_1D_AL)	<30	500	-	-
PAH Sum of 17(mg/kg)	<0.64	100	-	-
pH (pH Units)	8.17	-	>6	-
ANC to pH 7 (mol/kg)	-	-	to be evaluated	to be evaluated
ANC to pH 4 (mol/kg)	-	-	to be evaluated	to be evaluated

Eluate Analysis	**10:1 conc^{n} leached**		**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
	C_{10}	**A_{10}**			
	mg/l	**mg/kg**	**mg/kg**		
Arsenic	<0.0025	<0.025	0.5	2	25
Barium	0.031	0.31	20	100	300
Cadmium	<0.0005	<0.005	0.04	1	5
Chromium	<0.0015	<0.015	0.5	10	70
Copper	0.018	0.18	2	50	100
Mercury	<0.001	<0.01	0.01	0.2	2
Molybdenum	0.010	0.10	0.5	10	30
Nickel	0.004	0.04	0.4	10	40
Lead	<0.005	<0.05	0.5	10	50
Antimony	<0.002	<0.02	0.06	0.7	5
Selenium	0.013	0.13	0.1	0.5	7
Zinc	0.009	0.09	4	50	200
Chloride	13.4	134	800	15000	25000
Fluoride	<0.3	<3	10	150	500
Sulphate as SO4	39.2	392	1000	20000	50000
Total Dissolved Solids	121	1210	4000	60000	100000
Phenol	<0.01	<0.1	1	-	-
Dissolved Organic Carbon	<2	<20	500	800	1000

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
21/1857	1	BH1	2.50-3.00	2-4	No interpretation possible
21/1857	1	BH8	0.80	14-16	No interpretation possible
21/1857	1	BH8	2.50-3.00	17-19	No interpretation possible
21/1857	1	BH8	11.95-12.00	20-22	No interpretation possible
21/1857	1	BH12	2.50-3.00	27-30	No interpretation possible

Client Name: EPS Ltd
Reference: UK20.5052c
Location: Pfizer, Havant
Contact: Michael Judson

Note:

Asbestos Screen analysis is carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Detailed Gravimetric Quantification and PCOM Fibre Analysis is carried out in accordance with our documented in-house methods PM042 and TM131 and HSG 248 using Stereo and Polarised Light Microscopy and Phase Contrast Optical Microscopy (PCOM). Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
21/1857	1	BH1	2.50-3.00	4	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1857	1	BH8	0.80	16	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1857	1	BH8	2.50-3.00	19	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD
21/1857	1	BH8	11.95-12.00	21	17/02/2021	**General Description (Bulk Analysis)**	Soil/Stone
					17/02/2021	**Asbestos Fibres**	NAD
					17/02/2021	**Asbestos ACM**	NAD
					17/02/2021	**Asbestos Type**	NAD
					17/02/2021	**Asbestos Level Screen**	NAD
21/1857	1	BH12	2.50-3.00	29	15/02/2021	**General Description (Bulk Analysis)**	soil/stones
					15/02/2021	**Asbestos Fibres**	NAD
					15/02/2021	**Asbestos Fibres (2)**	NAD
					15/02/2021	**Asbestos ACM**	NAD
					15/02/2021	**Asbestos ACM (2)**	NAD
					15/02/2021	**Asbestos Type**	NAD
					15/02/2021	**Asbestos Type (2)**	NAD
					15/02/2021	**Asbestos Level Screen**	NAD

Client Name: EPS Ltd

Reference: UK20.5052c

Location: Pfizer, Havant

Contact: Michael Judson

Matrix : Solid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
21/1857	1	BH1	2.50-3.00	2-4	SVOC, VOC	Sample holding time exceeded
21/1857	1	BH8	0.80	14-16	SVOC, VOC	Sample holding time exceeded
21/1857	1	BH8	2.50-3.00	17-19	SVOC, VOC	Sample holding time exceeded
21/1857	1	BH12	2.50-3.00	27-30	Cyanide, EPH, GRO, PAH, SVOC, VOC	Sample holding time exceeded

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.

Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/1857

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/1857

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes		AR	Yes
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM8/PM16	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required/Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details			AR	Yes
TM5/TM36	please refer to TM5 and TM36 for method details	PM8/PM12/PM16	please refer to PM8/PM16 and PM12 for method details	Yes		AR	Yes

EMT Job No: 21/1857

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	No
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.			AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

EMT Job No: 21/1857

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM22	Modified BS1377-3:1990 Gravimetric determination of Loss on Ignition by temperature controlled Muffle Furnace (35C-440C). On request modified ASTM D2974-00 LOI (105C-440C)	PM0	No preparation is required.	Yes		AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.			AR	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21B	As Received samples are extracted in Methanol: Water (60:40) by reciprocal shaker.			AR	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM17	Modified method BS EN12457-2:2002 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM0	No preparation is required.	Yes		AR	Yes

EMT Job No: 21/1857

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes	Yes	AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.			AR	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AR	Yes
TM50	Acid soluble sulphate (Total Sulphate) analysed by ICP-OES	PM29	A hot hydrochloric acid digest is performed on a dried and ground sample, and the resulting liquor is analysed.	Yes	Yes	AD	Yes
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248 First edition (2006)	PM42	Modified SCA Blue Book V.12 draft 2017 and WM3 1st Edition v1.1:2018. Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.	Yes	Yes	AR	Yes
TM173	Analysis of fluoride by ISE (Ion Selective Electrode) using modified ISE method 9214 - 340.2 (EPA 1998)	PM0	No preparation is required.			AR	Yes
NONE	No Method Code	NONE	No Method Code			AD	Yes

EMT Job No: 21/1857

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.			AR	
TM15_A	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds, Vinyl Chloride & Styrene by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Daryl Bowell
Date :	1st March, 2021
Your reference :	UK20.5052C-5001
Our reference :	Test Report 21/2478 Batch 1
Location :	Pfizer Havant
Date samples received :	23rd February, 2021
Status :	Final report
Issue :	1

Twelve samples were received for analysis on 23rd February, 2021 of which eleven were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Simon Gomery BSc
Project Manager

Element Materials Technology Environmental UK Limited
Registered in England and Wales
Registered Office: 10 Lower Grosvenor Place, London, SW1W 0EN
Company Registration No: 11371415

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2478

Report : Gas

EMT Sample No.	1	2	3	4	5	6	7	8	9	10	LOD/LOR	Units	Method No.
Sample ID	WS01	WS02	WS07	WS08	WS09	WS10	WS11	WS12	WS13	WS14			
Depth													
COC No / misc													
Containers	GC	GC	GC	GC	GC	GC	GC	GC	GC	GC			
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Gas	Gas	Gas	Gas	Gas	Gas	Gas	Gas	Gas	Gas			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021	23/02/2021			
Volatile Gases TICs USEPA	ND	ND	ND	ND	ND	See Attached	ND	See Attached	ND	ND		None	TM68/PM0
Limonene (TIC)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ppbv	TM68/PM0
Limonene (TIC)	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	<55.7	ug/m3	TM68/PM0
Carbon Dioxide	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	%	TM69/PM0
Carbon Monoxide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	%	TM69/PM0
Hydrogen	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	%	TM69/PM0
Methane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	%	TM69/PM0
Methane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ppmV	TM69/PM0
Nitrogen	79.3	79.2	79.4	79.2	79.1	79.1	79.2	79.1	79.2	79.1	<0.5	%	TM69/PM0
Oxygen	20.7	20.8	20.5	20.8	20.9	20.9	20.8	20.9	20.8	20.9	<0.5	%	TM69/PM0
Hydrogen Sulphide	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ppm	TM119/PM0

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced

All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2478

Report : Gas

EMT Sample No.	11										Please see attached notes for all abbreviations and acronyms		
Sample ID	WS15												
Depth													
COC No / misc													
Containers	GC												
Sample Date	18/02/2021												
Sample Type	Gas												
Batch Number	1												
Date of Receipt	23/02/2021												
											LOD/LOR	Units	Method No.
Volatile Gases TICs USEPA	ND											None	TM68/PM0
Limonene (TIC)	<10										<10	ppbv	TM68/PM0
Limonene (TIC)	<55.7										<55.7	ug/m3	TM68/PM0
Carbon Dioxide	<0.05										<0.05	%	TM69/PM0
Carbon Monoxide	<0.05										<0.05	%	TM69/PM0
Hydrogen	<0.5										<0.5	%	TM69/PM0
Methane	<0.05										<0.05	%	TM69/PM0
Methane	<5										<5	ppmV	TM69/PM0
Nitrogen	79.1										<0.5	%	TM69/PM0
Oxygen	20.9										<0.5	%	TM69/PM0
Hydrogen Sulphide	<1										<1	ppm	TM119/PM0

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS01
Depth:
EMT Job No: 21/2478
EMT Sample No: 1
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 609 0.45
Sample Train Serial number: ST-68

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		159	299.6	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		19	45	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		1.8	5.6	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		4.3	15.2	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS01
Depth:
EMT Job No: 21/2478
EMT Sample No: 1
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 609 0.45
Sample Train Serial number: ST-68

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**18.2**	**68.6**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**2.3**	**15.6**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**204.6**	**449.6**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**103%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**500**	**1656**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**23**	**122**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS01
Depth:
EMT Job No: 21/2478
EMT Sample No: 1
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 609 0.45
Sample Train Serial number: ST-68

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**11**	**72**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**18.2**	**68.6**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS02
Depth:
EMT Job No: 21/2478
EMT Sample No: 2
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 587 0.45
Sample Train Serial number: ST-69

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		6	14	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		6	32.7	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS02
Depth:
EMT Job No: 21/2478
EMT Sample No: 2
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 587 0.45
Sample Train Serial number: ST-69

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13	2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13	Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13	3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	# 1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83	Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11	1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	# Trichloroethene (TCE)		**1.7**	**9.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	# cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16	4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	# trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	# 1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	# Toluene		**<1.5**	**<5.7**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16	3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16	2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16	Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	# 1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	# Tetrachloroethene (PCE)		**5.5**	**37.3**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	# Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	# Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	# m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77	Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	# Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	# 1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	# o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	# 1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	# 1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	# 1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58	Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	# 1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2	1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	# 1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46	1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17	Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
		Sum of VOC TO15 compounds		**19.2**	**93.1**				
460-00-4		4-Bromofluorobenzene Surrogate Recovery		**100%**		0%	0%		
75-01-4	62.5	# Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81	Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100	Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130	Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS02
Depth:
EMT Job No: 21/2478
EMT Sample No: 2
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 587 0.45
Sample Train Serial number: ST-69

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**14**	**92**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**<1.5**	**<5.7**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS07
Depth:
EMT Job No: 21/2478
EMT Sample No: 3
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 611 0.45
Sample Train Serial number: ST-63

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		<6	<14	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS07
Depth:
EMT Job No: 21/2478
EMT Sample No: 3
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 611 0.45
Sample Train Serial number: ST-63

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**2.6**	**9.8**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**1.7**	**11.5**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**4.3**	**21.3**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**99%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS07
Depth:
EMT Job No: 21/2478
EMT Sample No: 3
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 611 0.45
Sample Train Serial number: ST-63

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**29**	**190**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**2.6**	**9.8**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS08
Depth:
EMT Job No: 21/2478
EMT Sample No: 4
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 635 0.45
Sample Train Serial number: ST-221

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		111	209.1	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		27	64	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS08
Depth:
EMT Job No: 21/2478
EMT Sample No: 4
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 635 0.45
Sample Train Serial number: ST-221

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT	RESULT	RL	MDL	RL	MDL
					ppbv	ug/m^3	ppbv	ppbv	ug/m^3	ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**3.6**	**13.6**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**<1.5**	**<10.2**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**141.6**	**286.7**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**102%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS08
Depth:
EMT Job No: 21/2478
EMT Sample No: 4
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 635 0.45
Sample Train Serial number: ST-221

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**<10**	**<65**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**3.6**	**13.6**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS09
Depth:
EMT Job No: 21/2478
EMT Sample No: 5
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 612 0.45
Sample Train Serial number: ST-64

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		21	50	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS09
Depth:
EMT Job No: 21/2478
EMT Sample No: 5
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 612 0.45
Sample Train Serial number: ST-64

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**4.8**	**18.1**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**<1.5**	**<10.2**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**25.8**	**68.1**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**102%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS09
Depth:
EMT Job No: 21/2478
EMT Sample No: 5
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 612 0.45
Sample Train Serial number: ST-64

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**<10**	**<65**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**4.8**	**18.1**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS10
Depth:
EMT Job No: 21/2478
EMT Sample No: 6
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 610 0.45
Sample Train Serial number: ST-226

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		<6	<14	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		2	6.4	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS10
Depth:
EMT Job No: 21/2478
EMT Sample No: 6
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 610 0.45
Sample Train Serial number: ST-226

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		<1.5	<6.9	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		<1.5	<10.1	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		<2	<7	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		<1.5	<8.1	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		<1.5	<6.8	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		<1.5	<6.8	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		25.1	94.6	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		1.7	11.5	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		<1.5	<6.9	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		<1.5	<6.5	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		19.3	83.8	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		<1.5	<15.5	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		3.1	13.2	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		<1.5	<10.3	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		5.9	25.6	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		1.7	8.4	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		<1.5	<7.4	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		<1.5	<9	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		<1.5	<7.8	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		<1.5	<9	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		2.8	13.8	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		<1.5	<9	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		<1.5	<11.1	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		<0.32	<1.7	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		63.1	257.3				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		103%		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		<1.5	<3.8	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		2243	7431	<10	<10	<33	<33
	100		Aliphatic >C6-C8		<10	<41	<10	<10	<41	<41
	130		Aliphatic >C8-C10		20	106	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS10
Depth:
EMT Job No: 21/2478
EMT Sample No: 6
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 610 0.45
Sample Train Serial number: ST-226

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**19**	**124**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**2**	**6.4**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**25.1**	**94.6**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**41**	**201**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS11
Depth:
EMT Job No: 21/2478
EMT Sample No: 7
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 482 0.45
Sample Train Serial number: ST-522

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		<6	<14	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		<2	<6	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS11
Depth:
EMT Job No: 21/2478
EMT Sample No: 7
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 482 0.45
Sample Train Serial number: ST-522

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13	2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13	Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13	3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	# 1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83	Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11	1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	# Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	# cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16	4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	# trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	# 1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	# Toluene		**<1.5**	**<5.7**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16	3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16	2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16	Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	# 1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	# Tetrachloroethene (PCE)		**1.9**	**12.9**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	# Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	# Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	# m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77	Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	# Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	# 1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	# o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	# 1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	# 1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	# 1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58	Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	# 1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2	1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	# 1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46	1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17	Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
		Sum of VOC TO15 compounds		**1.9**	**12.9**				
460-00-4		4-Bromofluorobenzene Surrogate Recovery		**100%**		0%	0%		
75-01-4	62.5	# Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81	Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100	Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130	Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS11
Depth:
EMT Job No: 21/2478
EMT Sample No: 7
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 482 0.45
Sample Train Serial number: ST-522

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**<10**	**<65**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**<1.5**	**<5.7**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS12
Depth:
EMT Job No: 21/2478
EMT Sample No: 8
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 852 0.45
Sample Train Serial number: ST-506

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		11	25.2	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		10	24	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		28	83	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS12
Depth:
EMT Job No: 21/2478
EMT Sample No: 8
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 852 0.45
Sample Train Serial number: ST-506

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**1.9**	**7.2**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**2.2**	**14.9**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**53.1**	**154.3**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**99%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**19**	**101**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS12
Depth:
EMT Job No: 21/2478
EMT Sample No: 8
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 852 0.45
Sample Train Serial number: ST-506

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**25**	**164**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**1.9**	**7.2**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS13
Depth:
EMT Job No: 21/2478
EMT Sample No: 9
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 800 0.45
Sample Train Serial number: ST-194

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		<1.5	<3.4	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		13	31	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		31	91	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS13
Depth:
EMT Job No: 21/2478
EMT Sample No: 9
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 800 0.45
Sample Train Serial number: ST-194

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**2.1**	**7.9**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**4.3**	**29.2**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**50.4**	**159.1**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**100%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**12**	**40**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**15**	**80**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS13
Depth:
EMT Job No: 21/2478
EMT Sample No: 9
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 800 0.45
Sample Train Serial number: ST-194

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**20**	**131**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**2.1**	**7.9**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS14
Depth:
EMT Job No: 21/2478
EMT Sample No: 10
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 593 0.45
Sample Train Serial number: ST-512

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		6.4	14.7	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		48	114	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		23	68	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS14
Depth:
EMT Job No: 21/2478
EMT Sample No: 10
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 593 0.45
Sample Train Serial number: ST-512

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**4.8**	**18.1**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**11.5**	**78**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**93.7**	**292.8**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**100%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**16**	**53**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS14
Depth:
EMT Job No: 21/2478
EMT Sample No: 10
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: QT 593 0.45
Sample Train Serial number: ST-512

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**16**	**105**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**4.8**	**18.1**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS15
Depth:
EMT Job No: 21/2478
EMT Sample No: 11
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 576 0.45
Sample Train Serial number: ST-524

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
75-45-6	86.77		Chlorodifluoromethane (HCFC-22)		<2	<7	<2	<2	<7	<7
75-71-8	120.91		Dichlorodifluoromethane (F-12)		<2.5	<12.4	<2.5	<2.5	<12.4	<12.4
74-87-3	50.49		Chloromethane		<1.5	<3.1	<1.5	<1.5	<3.1	<3.1
76-14-2	170.92		1,2-Dichlorotetrafluoroethane (F-114)		<1.5	<10.5	<1.5	<1.5	<10.5	<10.5
115-11-7	56.12		Isobutene		2.3	5.3	<1.5	<1.5	<3.4	<3.4
106-99-0	54.09		1,3-Butadiene		<1.5	<3.3	<1.5	<1.5	<3.3	<3.3
74-83-9	94.95	#	Bromomethane		<1.5	<5.8	<1.5	<1.5	<5.8	<5.8
75-00-3	64.52	#	Chloroethane		<1.5	<4	<1.5	<1.5	<4	<4
64-17-5	46.07		Ethanol		<100	<188.4	<100	<100	<188.4	<188.4
75-05-8	41.05		Acetonitrile		<1.5	<2.5	<1.5	<1.5	<2.5	<2.5
107-02-8	56.06		Acrolein		<2.5	<5.7	<2.5	<2.5	<5.7	<5.7
	58.08		Acetone + Propanal		9	21	<6	<6	<14	<14
75-69-4	137.36	#	Trichlorofluoromethane (F-11)		<1.5	<8.4	<1.5	<1.5	<8.4	<8.4
67-63-0	60.09		2-Propanol		<6	<15	<6	<6	<15	<15
109-66-0	72.15		Pentane		<1.5	<4.4	<1.5	<1.5	<4.4	<4.4
78-79-5	68.12		Isoprene		<2	<6	<2	<2	<6	<6
74-88-4	141.94		Methyl Iodide		<1.5	<8.7	<1.5	<1.5	<8.7	<8.7
75-35-4	96.95	#	1,1-Dichloroethene (1,1 DCE)		<1.5	<5.9	<1.5	<1.5	<5.9	<5.9
75-09-2	84.94	#	Methylene Chloride		<14.4	<50	<14.4	<14.4	<50	<50
76-13-1	187.37	#	Trichlorotrifluoroethane		<1.5	<11.5	<1.5	<1.5	<11.5	<11.5
75-15-0	76.14		Carbon Disulfide		<1.5	<4.7	<1.5	<1.5	<4.7	<4.7
71-23-8	60.09		1-Propanol		<1.5	<3.7	<1.5	<1.5	<3.7	<3.7
78-85-3	70.09		Methylacrolein		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
75-34-3	98.97	#	1,1-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
287-92-3	70.14		Cyclopentane		<1.5	<4.3	<1.5	<1.5	<4.3	<4.3
78-94-4	70.09		Methyl Vinyl Ketone		<1.6	<4.6	<1.6	<1.6	<4.6	<4.6
1634-04-4	88.15		Methyl tertiary butyl ether		<1.5	<5.4	<1.5	<1.5	<5.4	<5.4
108-05-4	86.09		Vinyl Acetate		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
123-72-8	72.11		Butanal		<2	<6	<2	<2	<6	<6
78-93-3	72.1		2-Butanone (MEK)		13	38	<2	<2	<6	<6
156-59-2	96.94	#	cis-1,2-Dichloroethene		<1	<4	<1	<1	<4	<4
110-54-3	86.17		Hexane		<1.5	<5.3	<1.5	<1.5	<5.3	<5.3
67-66-3	119.39	#	Chloroform		<1.5	<7.3	<1.5	<1.5	<7.3	<7.3
107-06-2	98.96	#	1,2-Dichloroethane		<1.5	<6.1	<1.5	<1.5	<6.1	<6.1
71-55-6	133.42	#	1,1,1-Trichloroethane		<1.5	<8.2	<1.5	<1.5	<8.2	<8.2
71-36-3	74.12		1-Butanol		<3	<9	<3	<3	<9	<9
71-43-2	78.11	#	Benzene		<1.5	<4.8	<1.5	<1.5	<4.8	<4.8
56-23-5	153.84	#	Carbon Tetrachloride		<1.5	<9.4	<1.5	<1.5	<9.4	<9.4
110-82-7	84.16		Cyclohexane		<2	<7	<2	<2	<7	<7

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS15
Depth:
EMT Job No: 21/2478
EMT Sample No: 11
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 576 0.45
Sample Train Serial number: ST-524

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight		Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
107-87-9	86.13		2-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
110-62-3	86.13		Pentanal		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
96-22-0	86.13		3-Pentanone		**<1.5**	**<5.3**	<1.5	<1.5	<5.3	<5.3
78-87-5	112.99	#	1,2-Dichloropropane		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
75-27-4	163.83		Bromodichloromethane		**<1.5**	**<10.1**	<1.5	<1.5	<10.1	<10.1
123-91-1	88.11		1,4-Dioxane		**<2**	**<7**	<2	<2	<7	<7
79-01-6	131.4	#	Trichloroethene (TCE)		**<1.5**	**<8.1**	<1.5	<1.5	<8.1	<8.1
10061-01-5	110.97	#	cis-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
108-10-1	100.16		4-Methyl-2-pentanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
10061-02-6	110.97	#	trans-1,3-Dichloropropene		**<1.5**	**<6.8**	<1.5	<1.5	<6.8	<6.8
79-00-5	133.4	#	1,1,2-Trichloroethane		**<1.5**	**<8.2**	<1.5	<1.5	<8.2	<8.2
108-88-3	92.13	#	Toluene		**2.5**	**9.4**	<1.5	<1.5	<5.7	<5.7
589-38-8	100.16		3-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
591-78-6	100.16		2-Hexanone		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
66-25-1	100.16		Hexanal		**<1.5**	**<6.1**	<1.5	<1.5	<6.1	<6.1
106-93-4	187.86	#	1,2-Dibromoethane		**<1.5**	**<11.5**	<1.5	<1.5	<11.5	<11.5
127-18-4	165.85	#	Tetrachloroethene (PCE)		**2.9**	**19.7**	<1.5	<1.5	<10.2	<10.2
108-90-7	112.56	#	Chlorobenzene		**<1.5**	**<6.9**	<1.5	<1.5	<6.9	<6.9
100-41-4	106.16	#	Ethylbenzene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
179601-23-1	106.17	#	m/p-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
75-25-2	252.77		Bromoform		**<1.5**	**<15.5**	<1.5	<1.5	<15.5	<15.5
100-42-5	104.14	#	Styrene		**<1.5**	**<6.4**	<1.5	<1.5	<6.4	<6.4
79-34-5	167.85	#	1,1,2,2-Tetrachloroethane		**<1.5**	**<10.3**	<1.5	<1.5	<10.3	<10.3
95-47-6	106.17	#	o-Xylene		**<1.5**	**<6.5**	<1.5	<1.5	<6.5	<6.5
108-67-8	120.2	#	1,3,5-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-63-6	120.19	#	1,2,4-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
541-73-1	147.01	#	1,3-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
100-44-7	126.58		Benzyl Chloride		**<1.5**	**<7.8**	<1.5	<1.5	<7.8	<7.8
106-46-7	147.01	#	1,4-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
526-73-8	120.2		1,2,3-Trimethylbenzene		**<1.5**	**<7.4**	<1.5	<1.5	<7.4	<7.4
95-50-1	147	#	1,2-Dichlorobenzene		**<1.5**	**<9**	<1.5	<1.5	<9	<9
120-82-1	181.46		1,2,4-Trichlorobenzene		**<1.5**	**<11.1**	<1.5	<1.5	<11.1	<11.1
91-20-3	128.17		Naphthalene		**<0.32**	**<1.7**	<0.32	<0.32	<1.7	<1.7
			Sum of VOC TO15 compounds		**29.7**	**93.4**				
460-00-4			4-Bromofluorobenzene Surrogate Recovery		**100%**		0%	0%		
75-01-4	62.5	#	Vinyl Chloride		**<1.5**	**<3.8**	<1.5	<1.5	<3.8	<3.8
	81		Aliphatic >C4-C6		**<10**	**<33**	<10	<10	<33	<33
	100		Aliphatic >C6-C8		**<10**	**<41**	<10	<10	<41	<41
	130		Aliphatic >C8-C10		**<10**	**<53**	<10	<10	<53	<53

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

Sample Date: 18 Feb 2021
Date of Receipt: 23 Feb 2021
Date Analysed: 1 Mar 2021

Sample ID: WS15
Depth:
EMT Job No: 21/2478
EMT Sample No: 11
Matrix: Air
Method: TM68 VOCs in gases (GC-MS)

Canister Serial number: SQT 576 0.45
Sample Train Serial number: ST-524

Q* - Qualifiers

B Indicates analyte found in associated method blank
++ Indicates value exceeds calibration range

Key

MDL Method Detection Limit
RL Reporting Limit
ISO 17025 (UKAS) accredited

Cas No	Molecular Weight	Compound	Q*	RESULT ppbv	RESULT ug/m^3	RL ppbv	MDL ppbv	RL ug/m^3	MDL ug/m^3
	160	Aliphatic >C10-C12		**<10**	**<65**	<10	<10	<65	<65
	78.11	Aromatic >C5-EC7 (Benzene)		**<1.5**	**<4.8**	<1.5	<1.5	<4.8	<4.8
	92.13	Aromatic >EC7-EC8 (Toluene)		**2.5**	**9.4**	<1.5	<1.5	<5.7	<5.7
	120	Aromatic >EC8-EC10		**<10**	**<49**	<10	<10	<49	<49
	130	Aromatic >EC10-EC12		**<10**	**<53**	<10	<10	<53	<53

Job number: 21/2478
Sample number: 6
Sample identity: WS10
Sample depth:
Sample Type: Gas
Units: ppbv

Method: VOC
Matrix: Gas

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
74-98-6	Propane	3.185	80	206
78-78-4	Butane, 2-methyl-	4.630	91	2083
109-66-0	Pentane	5.123	91	101
1072-85-1	Benzene, 1-bromo-2-fluoro-	19.366	95	686

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Job number: 21/2478
Sample number: 8
Sample identity: WS12
Sample depth:
Sample Type: Gas
Units: ppbv

Method: VOC
Matrix: Gas

Note: Only samples with TICs (if requested) are reported. If TICs were requested but no compounds found they are not reported.

CAS No.	Tentative Compound Identification	Retention Time (minutes)	% Match	Concentration
115-11-7	1-Propene, 2-methyl-	3.647	81	13

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 21/2478						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

EMT Job No.: 21/2478

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/2478

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM68	Modified TO-15 method. Volatile Organic Compounds (VOCs) sampled using Gas Canisters, BottleVacs or Tedlar bags and analysed using Entech GC-MS.	PM0	No preparation is required.				
TM68	Modified TO-15 method. Volatile Organic Compounds (VOCs) sampled using Gas Canisters, BottleVacs or Tedlar bags and analysed using Entech GC-MS.	PM0	No preparation is required.	Yes			
TM69	Analysis of gas samples by direct injection onto a Gas Chromatography (GC) column and analysed using a Flame Ionisation Detector (FID) or a Thermocouple Detector (TD)	PM0	No preparation is required.				
TM119	Determination of hydrogen sulphide using Gerhardt Steam distillation followed by Impact Pro Multi Gas Detector.	PM0	No preparation is required.				

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Daryl Bowell
Date :	26th February, 2021
Your reference :	UK20.5052C-5001
Our reference :	Test Report 21/2399 Batch 1
Location :	Pfizer Havant
Date samples received :	20th February, 2021
Status :	Final report
Issue :	1

Sixteen samples were received for analysis on 20th February, 2021 of which sixteen were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Hayley Prowse
Project Manager

Please include all sections of this report if it is reproduced

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

EMT Sample No.	1-9	10-18	19-27	28-36	37-46	47-54	55-63	64-72	73-81	82-88	LOD/LOR	Units	Method No.
Sample ID	BH12	BH16	BHGA 04	BHGA 07A	BH17	BHGA 07	BHGA 09A	BHGA 08A	BHGA 01	BH3			
Depth	2.20	2.27	2.16	2.93	2.80	2.78	2.50	2.47	3.40	2.55			
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G			
Sample Date	17/02/2021	17/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021			
Dissolved Arsenic #	<2.5	<2.5	<2.5	6.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM30/PM14
Dissolved Calcium #	132.5	54.0	76.9	65.3	90.1	113.7	90.0	100.1	68.8	60.4	<0.2	mg/l	TM30/PM14
Total Dissolved Chromium #	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	2.0	<1.5	<1.5	<1.5	<1.5	ug/l	TM30/PM14
Dissolved Copper #	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	ug/l	TM30/PM14
Dissolved Lead #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM30/PM14
Dissolved Magnesium #	8.6	2.1	2.3	4.8	3.3	4.4	4.6	4.2	3.2	5.7	<0.1	mg/l	TM30/PM14
Dissolved Mercury #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM30/PM14
Dissolved Nickel #	33	<2	2	2	<2	4	<2	4	<2	<2	<2	ug/l	TM30/PM14
Dissolved Potassium #	2.4	1.6	0.9	1.3	1.5	4.4	0.9	1.4	1.7	3.8	<0.1	mg/l	TM30/PM14
Dissolved Selenium #	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	ug/l	TM30/PM14
Dissolved Sodium #	74.5	72.1	25.7	54.7	47.2	91.7	116.2	23.0	67.0	51.4	<0.1	mg/l	TM30/PM14
Dissolved Zinc #	8	4	6	4	16	<3	6	4	<3	<3	<3	ug/l	TM30/PM14
PAH MS													
Naphthalene #	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	ug/l	TM4/PM30
Acenaphthylene #	<0.013	<0.013	<0.013	0.022	0.030	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ug/l	TM4/PM30
Acenaphthene #	<0.013	<0.013	<0.013	<0.013	0.090	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ug/l	TM4/PM30
Fluorene #	0.024	<0.014	<0.014	<0.014	0.074	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	ug/l	TM4/PM30
Phenanthrene #	0.032	<0.011	0.016	0.014	0.093	0.016	0.013	0.016	<0.011	<0.011	<0.011	ug/l	TM4/PM30
Anthracene #	<0.013	<0.013	<0.013	<0.013	0.014	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ug/l	TM4/PM30
Fluoranthene #	0.054	0.017	<0.012	<0.012	0.038	<0.012	<0.012	0.021	0.019	<0.012	<0.012	ug/l	TM4/PM30
Pyrene #	0.064	0.019	<0.013	<0.013	0.030	<0.013	<0.013	0.026	0.021	<0.013	<0.013	ug/l	TM4/PM30
Benzo(a)anthracene #	0.039	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.018	<0.015	<0.015	ug/l	TM4/PM30
Chrysene #	0.041	0.013	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.023	<0.011	<0.011	ug/l	TM4/PM30
Benzo(bk)fluoranthene #	0.089	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.060	<0.018	<0.018	ug/l	TM4/PM30
Benzo(a)pyrene #	0.047	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.027	<0.016	<0.016	ug/l	TM4/PM30
Indeno(123cd)pyrene #	0.028	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.022	<0.011	<0.011	ug/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	ug/l	TM4/PM30
Benzo(ghi)perylene #	0.029	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.023	<0.011	<0.011	ug/l	TM4/PM30
PAH 16 Total #	0.447	<0.195	<0.195	<0.195	0.569	<0.195	<0.195	<0.195	0.213	<0.195	<0.195	ug/l	TM4/PM30
Benzo(b)fluoranthene	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	ug/l	TM4/PM30
Benzo(k)fluoranthene	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	ug/l	TM4/PM30
PAH Surrogate % Recovery	86	87	90	85	89	92	85	85	81	86	<0	%	TM4/PM30
VOC TICs	ND	ND	ND	ND	NDP	ND	ND	ND	ND	ND		None	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	NDP	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	ug/l	TM15/PM10
Benzene #	<0.5	<0.5	<0.5	<0.5	NDP	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM15/PM10
Toluene #	<5	<5	<5	<5	NDP	<5	<5	<5	<5	<5	<5	ug/l	TM15/PM10
Ethylbenzene #	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
m/p-Xylene #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
o-Xylene #	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	114	108	111	112	NDP	112	113	111	101	98	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	116	108	112	111	NDP	113	112	113	103	99	<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	1-9	10-18	19-27	28-36	37-46	47-54	55-63	64-72	73-81	82-88	LOD/LOR	Units	Method No.
Sample ID	BH12	BH16	BHGA 04	BHGA 07A	BH17	BHGA 07	BHGA 09A	BHGA 08A	BHGA 01	BH3			
Depth	2.20	2.27	2.16	2.93	2.80	2.78	2.50	2.47	3.40	2.55			
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G			
Sample Date	17/02/2021	17/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021			
SVOC TICs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		None	TM16/PM30
TPH CWG													
Aliphatics													
>C5-C6 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	208	<10	ug/l	TM36/PM12
>C6-C8 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM36/PM12
>C8-C10 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM36/PM12
>C10-C12 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM5/PM16/PM30
>C12-C16 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
>C16-C21 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
>C21-C35 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
Total aliphatics C5-35 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	208	<10	ug/l	TM5/TM36/PM12/PM16/PM30
Aromatics													
>C5-EC7 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM36/PM12
>EC7-EC8 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM36/PM12
>EC8-EC10 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM36/PM12
>EC10-EC12 #	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM5/PM16/PM30
>EC12-EC16 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
>EC16-EC21 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
>EC21-EC35 #	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM5/PM16/PM30
Total aromatics C5-35 #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	<10	<10	ug/l	TM5/TM36/PM12/PM16/PM30
Total aliphatics and aromatics(C5-35) #	<10	<10	<10	<10	NDP	<10	<10	<10	<10	208	<10	ug/l	TM5/TM36/PM12/PM16/PM30
PCB 28	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 52	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 101	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 118	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 138	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 153	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
PCB 180	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	ug/l	TM17/PM30
Total 7 PCBs	-	-	<0.7	-	-	<0.7	-	-	-	-	<0.7	ug/l	TM17/PM30
Total Phenols HPLC	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	mg/l	TM26/PM0
Sulphate as SO4 #	88.0	36.9	60.2	114.6	24.4	26.0	21.4	28.8	47.0	90.3	<0.5	mg/l	TM38/PM0
Chloride #	179.4	127.1	39.3	71.8	122.7	253.1	223.2	44.4	93.2	34.9	<0.3	mg/l	TM38/PM0
Nitrate as NO3 #	<0.2	8.2	19.4	0.3	0.4	3.2	9.4	14.7	6.0	2.2	<0.2	mg/l	TM38/PM0
Total Cyanide #	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as N #	0.10	0.09	0.09	0.14	0.05	1.42	0.06	0.09	0.09	0.13	<0.03	mg/l	TM38/PM0
Hexavalent Chromium	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	mg/l	TM38/PM0
Total Alkalinity as CaCO3 #	600	152	156	94	156	166	206	366	148	1618	<1	mg/l	TM75/PM0

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

EMT Sample No.	1-9	10-18	19-27	28-36	37-46	47-54	55-63	64-72	73-81	82-88	LOD/LOR	Units	Method No.
Sample ID	BH12	BH16	BHGA 04	BHGA 07A	BH17	BHGA 07	BHGA 09A	BHGA 08A	BHGA 01	BH3			
Depth	2.20	2.27	2.16	2.93	2.80	2.78	2.50	2.47	3.40	2.55			
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G			
Sample Date	17/02/2021	17/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021			
Dissolved Iron II	<0.02	0.22	<0.02	2.19	0.08	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	mg/l	TM48/PM0
pH #	7.66	7.72	7.75	7.37	7.59	7.43	7.73	7.59	7.48	7.86	<0.01	pH units	TM73/PM0
Total Organic Carbon #	3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	mg/l	TM60/PM0
Total Dissolved Solids #	740	403	337	404	495	702	673	388	402	381	<35	mg/l	TM20/PM0
Total Cations	10.62	6.05	5.17	6.07	6.86	10.14	9.95	6.38	6.65	5.82	<0.00	mmolc/l	TM30/PM14
Total Anions	18.89	7.52	5.79	6.30	7.09	11.05	11.01	9.41	6.67	35.25	<0.00	mmolc/l	TM0/PM0
% Cation Excess	-28.02	-10.83	-5.66	-1.86	-1.65	-4.29	-5.06	-19.19	-0.15	-71.66		%	TM0/PM0

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

EMT Sample No.	89-97	98-106	107-115	116-124	125-131	132-140					LOD/LOR	Units	Method No.
Sample ID	BHGA02	BHGA03	BH8	BH041996	BH13	BH1							
Depth	2.69	2.85	2.13	2.30	2.85	2.83							
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G	V H HN HCL N P G							
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021							
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021							
Dissolved Arsenic #	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5					<2.5	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5	<0.5	5.0	<0.5	<0.5					<0.5	ug/l	TM30/PM14
Dissolved Calcium #	34.8	44.8	54.2	69.4	71.8	68.5					<0.2	mg/l	TM30/PM14
Total Dissolved Chromium #	<1.5	5.9	1.7	8.6	2.1	<1.5					<1.5	ug/l	TM30/PM14
Dissolved Copper #	<7	<7	<7	<7	<7	<7					<7	ug/l	TM30/PM14
Dissolved Lead #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM30/PM14
Dissolved Magnesium #	1.1	2.2	2.0	1.9	2.8	3.8					<0.1	mg/l	TM30/PM14
Dissolved Mercury #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM30/PM14
Dissolved Nickel #	<2	<2	<2	<2	<2	5					<2	ug/l	TM30/PM14
Dissolved Potassium #	1.4	5.1	1.4	0.9	2.7	1.5					<0.1	mg/l	TM30/PM14
Dissolved Selenium #	<3	4	<3	<3	<3	<3					<3	ug/l	TM30/PM14
Dissolved Sodium #	71.6	61.0	48.5	35.5	40.5	65.1					<0.1	mg/l	TM30/PM14
Dissolved Zinc #	9	<3	<3	15	<3	10					<3	ug/l	TM30/PM14
PAH MS													
Naphthalene #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	ug/l	TM4/PM30
Acenaphthylene #	<0.013	0.034	<0.013	<0.013	<0.013	<0.013					<0.013	ug/l	TM4/PM30
Acenaphthene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013					<0.013	ug/l	TM4/PM30
Fluorene #	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014					<0.014	ug/l	TM4/PM30
Phenanthrene #	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011					<0.011	ug/l	TM4/PM30
Anthracene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013					<0.013	ug/l	TM4/PM30
Fluoranthene #	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012					<0.012	ug/l	TM4/PM30
Pyrene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013					<0.013	ug/l	TM4/PM30
Benzo(a)anthracene #	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015					<0.015	ug/l	TM4/PM30
Chrysene #	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011					<0.011	ug/l	TM4/PM30
Benzo(bk)fluoranthene #	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018					<0.018	ug/l	TM4/PM30
Benzo(a)pyrene #	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016					<0.016	ug/l	TM4/PM30
Indeno(123cd)pyrene #	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011					<0.011	ug/l	TM4/PM30
Dibenzo(ah)anthracene #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	ug/l	TM4/PM30
Benzo(ghi)perylene #	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011					<0.011	ug/l	TM4/PM30
PAH 16 Total #	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195					<0.195	ug/l	TM4/PM30
Benzo(b)fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	ug/l	TM4/PM30
Benzo(k)fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	ug/l	TM4/PM30
PAH Surrogate % Recovery	89	86	86	91	85	89					<0	%	TM4/PM30
VOC TICs	ND	ND	ND	ND	ND	ND						None	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	ug/l	TM15/PM10
Benzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM15/PM10
Toluene #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM15/PM10
Ethylbenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
m/p-Xylene #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
o-Xylene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	101	91	93	107	89	84					<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	102	90	87	102	84	81					<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	89-97	98-106	107-115	116-124	125-131	132-140					LOD/LOR	Units	Method No.
Sample ID	BHGA02	BHGA03	BH8	BH041996	BH13	BH1							
Depth	2.69	2.85	2.13	2.30	2.85	2.83							
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G	V H HN HCL N P G							
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021							
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021							
SVOC TICs	ND	ND	ND	ND	ND	ND						None	TM16/PM30
TPH CWG													
Aliphatics													
>C5-C6 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C6-C8 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C8-C10 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>C10-C12 #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM5/PM16/PM30
>C12-C16 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
>C16-C21 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
>C21-C35 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
Total aliphatics C5-35 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/TM36/PM12/PM16/PM30
Aromatics													
>C5-EC7 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC7-EC8 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC8-EC10 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM36/PM12
>EC10-EC12 #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM5/PM16/PM30
>EC12-EC16 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
>EC16-EC21 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
>EC21-EC35 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/PM16/PM30
Total aromatics C5-35 #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/TM36/PM12/PM16/PM30
Total aliphatics and aromatics(C5-35) #	<10	<10	<10	<10	<10	<10					<10	ug/l	TM5/TM36/PM12/PM16/PM30
PCB 28	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 52	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 101	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 118	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 138	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 153	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
PCB 180	-	-	-	<0.1	-	-					<0.1	ug/l	TM17/PM30
Total 7 PCBs	-	-	-	<0.7	-	-					<0.7	ug/l	TM17/PM30
Total Phenols HPLC	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15					<0.15	mg/l	TM26/PM0
Sulphate as SO4 #	16.5	120.2	66.5	43.5	36.7	40.7					<0.5	mg/l	TM38/PM0
Chloride #	132.4	41.8	55.7	58.5	66.5	97.9					<0.3	mg/l	TM38/PM0
Nitrate as NO3 #	4.9	12.0	12.2	17.5	11.1	5.3					<0.2	mg/l	TM38/PM0
Total Cyanide #	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	mg/l	TM89/PM0
Ammoniacal Nitrogen as N #	0.06	0.05	0.05	0.05	0.07	0.07					<0.03	mg/l	TM38/PM0
Hexavalent Chromium	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006					<0.006	mg/l	TM38/PM0
Total Alkalinity as CaCO3 #	46	80	114	132	234	188					<1	mg/l	TM75/PM0

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, $HN=HN0_3$

Please see attached notes for all abbreviations and acronyms

EMT Sample No.	89-97	98-106	107-115	116-124	125-131	132-140					LOD/LOR	Units	Method No.
Sample ID	BHGA02	BHGA03	BH8	BH041996	BH13	BH1							
Depth	2.69	2.85	2.13	2.30	2.85	2.83							
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G	V H HN HCL N P G							
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021							
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021							
Dissolved Iron II	<0.02	<0.02	<0.02	<0.02	<0.02	<0.10 AA					<0.02	mg/l	TM48/PM0
pH #	7.08	7.23	7.79	7.41	7.83	7.68					<0.01	pH units	TM73/PM0
Total Organic Carbon #	<2	<2	<2	2	3	3					<2	mg/l	TM60/PM0
Total Dissolved Solids #	334	365	318	336	356	416					<35	mg/l	TM20/PM0
Total Cations	4.98	5.20	5.02	5.19	5.64	6.60					<0.00	mmolc/l	TM30/PM14
Total Anions	5.08	5.48	5.43	5.48	7.50	7.45					<0.00	mmolc/l	TM0/PM0
% Cation Excess	-0.99	-2.62	-3.92	-2.72	-14.16	-6.05						%	TM0/PM0

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

SVOC Report : **Liquid**

EMT Sample No.	1-9	10-18	19-27	28-36	37-46	47-54	55-63	64-72	73-81	82-88	LOD/LOR	Units	Method No.
Sample ID	BH12	BH16	BHGA 04	BHGA 07A	BH17	BHGA 07	BHGA 09A	BHGA 08A	BHGA 01	BH3			
Depth	2.20	2.27	2.16	2.93	2.80	2.78	2.50	2.47	3.40	2.55			
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G			
Sample Date	17/02/2021	17/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021			
SVOC MS													
Phenols													
2-Chlorophenol #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
2-Methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
4-Methylphenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Phenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
PAHs													
2-Chloronaphthalene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
2-Methylnaphthalene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Phthalates													
Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Di-n-butyl phthalate #	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Diethyl phthalate #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1	<1	<1	<1	<1	5	<1	<1	<1	ug/l	TM16/PM30
Other SVOCs													
1,2-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
1,3-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
1,4-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
2,4-Dinitrotoluene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
3-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Bromophenylphenylether #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Chloroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Chlorophenylphenylether #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Azobenzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Carbazole #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Dibenzofuran #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Hexachlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Hexachlorobutadiene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Hexachlorocyclopentadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Hexachloroethane #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Isophorone #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM16/PM30
Nitrobenzene #	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ug/l	TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	74	82	58 SV	100	81	71	117	122	84	83	<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	74	85	58 SV	102	86	73	123	134	91	85	<0	%	TM16/PM30

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

SVOC Report : **Liquid**

EMT Sample No.	89-97	98-106	107-115	116-124	125-131	132-140					LOD/LOR	Units	Method No.
Sample ID	BHGA02	BHGA03	BH8	BH041996	BH13	BH1							
Depth	2.69	2.85	2.13	2.30	2.85	2.83							
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G	V H HN HCL N P G							
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021							
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021							
SVOC MS													
Phenols													
2-Chlorophenol #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
2-Methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
4-Methylphenol	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10	<10	<10	<10					<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Phenol	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
PAHs													
2-Chloronaphthalene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
2-Methylnaphthalene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Phthalates													
Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5	<5	<5					<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Di-n-butyl phthalate #	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5					<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Diethyl phthalate #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Other SVOCs													
1,2-Dichlorobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
1,3-Dichlorobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
1,4-Dichlorobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
2,4-Dinitrotoluene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
3-Nitroaniline	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Bromophenylphenylether #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Chloroaniline	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Chlorophenylphenylether #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Azobenzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Carbazole #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Dibenzofuran #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Hexachlorobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Hexachlorobutadiene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Hexachlorocyclopentadiene	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Hexachloroethane #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Isophorone #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Nitrobenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	98	96	109	132 SV	60 SV	82					<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	103	105	114	144 SV	56 SV	82					<0	%	TM16/PM30

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

VOC Report : **Liquid**

EMT Sample No.	1-9	10-18	19-27	28-36	37-46	47-54	55-63	64-72	73-81	82-88	LOD/LOR	Units	Method No.
Sample ID	BH12	BH16	BHGA 04	BHGA 07A	BH17	BHGA 07	BHGA 09A	BHGA 08A	BHGA 01	BH3			
Depth	2.20	2.27	2.16	2.93	2.80	2.78	2.50	2.47	3.40	2.55			
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G			
Sample Date	17/02/2021	17/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021			
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			
Batch Number	1	1	1	1	1	1	1	1	1	1			
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021			
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	NDP	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	ug/l	TM15/PM10
Chloromethane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Vinyl Chloride #	<0.1	<0.1	<0.1	<0.1	NDP	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	ug/l	TM15/PM10
Bromomethane	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
Chloroethane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Trichlorofluoromethane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Dichloromethane (DCM) #	<5	<5	<5	<5	NDP	<5	<5	<5	<5	<5	<5	ug/l	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	5	<3	ug/l	TM15/PM10
2,2-Dichloropropane	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
Bromochloromethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Chloroform #	<2	<2	<2	<2	NDP	<2	<2	2	<2	<2	<2	ug/l	TM15/PM10
1,1,1-Trichloroethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Carbon tetrachloride #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,2-Dichloroethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Benzene #	<0.5	<0.5	<0.5	<0.5	NDP	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ug/l	TM15/PM10
Trichloroethene (TCE) #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	4	<3	ug/l	TM15/PM10
1,2-Dichloropropane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Dibromomethane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Bromodichloromethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
cis-1-3-Dichloropropene	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Toluene #	<5	<5	<5	<5	NDP	<5	<5	<5	<5	<5	<5	ug/l	TM15/PM10
trans-1-3-Dichloropropene	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,1,2-Trichloroethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,3-Dichloropropane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Dibromochloromethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,2-Dibromoethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Chlorobenzene #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Ethylbenzene #	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
m/p-Xylene #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
o-Xylene #	<1	<1	<1	<1	NDP	<1	<1	<1	<1	<1	<1	ug/l	TM15/PM10
Styrene	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Bromoform #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4	<4	<4	NDP	<4	<4	<4	<4	<4	<4	ug/l	TM15/PM10
Bromobenzene #	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,2,3-Trichloropropane #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Propylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
2-Chlorotoluene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
4-Chlorotoluene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
tert-Butylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,2,4-Trimethylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
sec-Butylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
4-Isopropyltoluene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,3-Dichlorobenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,4-Dichlorobenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
n-Butylbenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,2-Dichlorobenzene #	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,2,4-Trichlorobenzene	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Hexachlorobutadiene	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Naphthalene	<2	<2	<2	<2	NDP	<2	<2	<2	<2	<2	<2	ug/l	TM15/PM10
1,2,3-Trichlorobenzene	<3	<3	<3	<3	NDP	<3	<3	<3	<3	<3	<3	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	114	108	111	112	NDP	112	113	111	101	98	<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	116	108	112	111	NDP	113	112	113	103	99	<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5052C-5001
Location: Pfizer Havant
Contact: Daryl Bowell
EMT Job No: 21/2399

VOC Report : **Liquid**

EMT Sample No.	89-97	98-106	107-115	116-124	125-131	132-140					LOD/LOR	Units	Method No.
Sample ID	BHGA02	BHGA03	BH8	BH041996	BH13	BH1							
Depth	2.69	2.85	2.13	2.30	2.85	2.83							
COC No / misc													
Containers	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H HN HCL N P G	V H N P G	V H HN HCL N P G							
Sample Date	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021	18/02/2021							
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water							
Batch Number	1	1	1	1	1	1							
Date of Receipt	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021	20/02/2021							
VOC MS													
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	ug/l	TM15/PM10
Chloromethane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Vinyl Chloride #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1					<0.1	ug/l	TM15/PM10
Bromomethane	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
Chloroethane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Trichlorofluoromethane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Dichloromethane (DCM) #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,1-Dichloroethane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	4	<3	<3	<3					<3	ug/l	TM15/PM10
2,2-Dichloropropane	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
Bromochloromethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Chloroform #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,1,1-Trichloroethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Carbon tetrachloride #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,2-Dichloroethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Benzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5					<0.5	ug/l	TM15/PM10
Trichloroethene (TCE) #	<3	<3	5	<3	<3	<3					<3	ug/l	TM15/PM10
1,2-Dichloropropane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Dibromomethane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Bromodichloromethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
cis-1-3-Dichloropropene	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Toluene #	<5	<5	<5	<5	<5	<5					<5	ug/l	TM15/PM10
trans-1-3-Dichloropropene	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,1,2-Trichloroethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3	6	<3	<3					<3	ug/l	TM15/PM10
1,3-Dichloropropane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Dibromochloromethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,2-Dibromoethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Chlorobenzene #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Ethylbenzene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
m/p-Xylene #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
o-Xylene #	<1	<1	<1	<1	<1	<1					<1	ug/l	TM15/PM10
Styrene	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Bromoform #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4	<4	<4	<4	<4					<4	ug/l	TM15/PM10
Bromobenzene #	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,2,3-Trichloropropane #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Propylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
2-Chlorotoluene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
4-Chlorotoluene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
tert-Butylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,2,4-Trimethylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
sec-Butylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
4-Isopropyltoluene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,3-Dichlorobenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,4-Dichlorobenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
n-Butylbenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,2-Dichlorobenzene #	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,2,4-Trichlorobenzene	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Hexachlorobutadiene	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Naphthalene	<2	<2	<2	<2	<2	<2					<2	ug/l	TM15/PM10
1,2,3-Trichlorobenzene	<3	<3	<3	<3	<3	<3					<3	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	101	91	93	107	89	84					<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	102	90	87	102	84	81					<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Client Name: EPS Ltd

Reference: UK20.5052C-5001

Location: Pfizer Havant

Contact: Daryl Bowell

Matrix : Liquid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Method No.	NDP Reason
21/2399	1	BH17	2.80	37-46	TM5/TM36/PM12/PM16/PM30	Broken sample container
21/2399	1	BH17	2.80	37-46	TM36/PM12	Broken sample container
21/2399	1	BH17	2.80	37-46	TM15/PM10	Broken sample container

Client Name: EPS Ltd

Reference: UK20.5052C-5001

Location: Pfizer Havant

Contact: Daryl Bowell

Matrix : Liquid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
21/2399	1	BH8	2.13	107-115	EPH	Sample received in inappropriate container
21/2399	1	BH041996	2.30	116-124	EPH	Sample received in inappropriate container

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.

Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/2399

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

AA	x5 Dilution

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/2399

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM0	Not available	PM0	No preparation is required.				
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM4	Modified USEPA 8270D v5:2014 method for the solvent extraction and determination of PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details	Yes			
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes			
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM16	Modified USEPA 8270D v5:2014. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM17	Modified US EPA method 8270D v5:2014. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				

EMT Job No: 21/2399

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM20	Modified BS 1377-3:1990/USEPA 160.1/3 (TDS/TS: 1971) Gravimetric determination of Total Dissolved Solids/Total Solids	PM0	No preparation is required.	Yes			
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.				
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM14	Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified				
TM30	Determination of Trace Metals by ICP-OES (Inductively Coupled Plasma – Optical Emission Spectrometry): WATERS by Modified USEPA Method 200.7, Rev. 4.4, 1994; Modified EPA Method 6010B, Rev.2, Dec 1996; Modified BS EN ISO 11885:2009: SOILS by Modified USEP	PM14	Preparation of waters and leachates for metals by ICP OES/ICP MS. Samples are filtered for Dissolved metals, and remain unfiltered for Total metals then acidified	Yes			
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.	Yes			
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.				
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) – All anions comparable to BS ISO 15923-1: 2013I	PM0	No preparation is required.	Yes			
TM48	Determination of Ferrous Iron by reaction with Sodium Carbonate and Morfamquat Sulphate which is analysed spectrophotometrically.	PM0	No preparation is required.				
TM60	TC/TOC analysis of Waters by High Temperature Combustion followed by NDIR detection. Based on the following modified standard methods: USEPA 9060A (2002), APHA SMEWW 5310B:1999 22nd Edition, ASTM D 7573, and USEPA 415.1.	PM0	No preparation is required.	Yes			
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.	Yes			

EMT Job No: 21/2399

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM75	Modified US EPA method 310.1 (1978). Determination of Alkalinity by Metrohm automated titration analyser.	PM0	No preparation is required.	Yes			
TM89	Modified USEPA method OIA-1667 (1999). Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM0	No preparation is required.	Yes			

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

P: +44 (0) 1244 833780
F: +44 (0) 1244 833781
W: www.element.com

EPS Ltd
7B Caxton House
Broad Street
Cambourne
Cambridgeshire
CB23 6JN

Attention :	Michael Judson
Date :	16th March, 2021
Your reference :	UK20.5032C
Our reference :	Test Report 21/3483 Batch 1
Location :	
Date samples received :	11th March, 2021
Status :	Final report
Issue :	1

One sample was received for analysis on 11th March, 2021 of which one was scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Authorised By:

Phil Sommerton BSc
Senior Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: EPS Ltd
Reference: UK20.5032C
Location:
Contact: Michael Judson
EMT Job No: 21/3483

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
$H=H_2SO_4$, Z=ZnAc, N=NaOH, HN=$HN0_3$

EMT Sample No.	1-3										LOD/LOR	Units	Method No.
Sample ID	BH17												
Depth													
COC No / misc													
Containers	V G												
Sample Date	<>												
Sample Type	Liquid												
Batch Number	1												
Date of Receipt	11/03/2021												
Methyl Tertiary Butyl Ether	<0.1										<0.1	ug/l	TM15/PM10
Benzene	<0.5										<0.5	ug/l	TM15/PM10
Toluene	<5										<5	ug/l	TM15/PM10
Ethylbenzene	<1										<1	ug/l	TM15/PM10
m/p-Xylene	<2										<2	ug/l	TM15/PM10
o-Xylene	<1										<1	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	90										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	89										<0	%	TM15/PM10
TPH CWG													
Aliphatics													
>C5-C6	<10										<10	ug/l	TM36/PM12
>C6-C8	<10										<10	ug/l	TM36/PM12
>C8-C10	<10										<10	ug/l	TM36/PM12
>C10-C12	<5										<5	ug/l	TM5/PM16/PM30
>C12-C16	<10										<10	ug/l	TM5/PM16/PM30
>C16-C21	<10										<10	ug/l	TM5/PM16/PM30
>C21-C35	<10										<10	ug/l	TM5/PM16/PM30
Total aliphatics C5-35	<10										<10	ug/l	TM5/TM36/PM12/PM16/PM30
Aromatics													
>C5-EC7	<10										<10	ug/l	TM36/PM12
>EC7-EC8	<10										<10	ug/l	TM36/PM12
>EC8-EC10	<10										<10	ug/l	TM36/PM12
>EC10-EC12	<5										<5	ug/l	TM5/PM16/PM30
>EC12-EC16	<10										<10	ug/l	TM5/PM16/PM30
>EC16-EC21	<10										<10	ug/l	TM5/PM16/PM30
>EC21-EC35	<10										<10	ug/l	TM5/PM16/PM30
Total aromatics C5-35	<10										<10	ug/l	TM5/TM36/PM12/PM16/PM30
Total aliphatics and aromatics(C5-35)	<10										<10	ug/l	TM5/TM36/PM12/PM16/PM30

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5032C
Location:
Contact: Michael Judson
EMT Job No: 21/3483

Report : Liquid (Duplicate results)

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle
H=H_2SO_4, Z=ZnAc, N=NaOH, HN=$HN0_3$

EMT Sample No.	1-3										Please see attached notes for all abbreviations and acronyms		
Sample ID	BH17												
Depth													
COC No / misc													
Containers	V G												
Sample Date	<>												
Sample Type	Liquid												
Batch Number	1										LOD/LOR	Units	Method No.
Date of Receipt	11/03/2021												
Surrogate Recovery Toluene D8	102										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	105										<0	%	TM15/PM10

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd
Reference: UK20.5032C
Location:
Contact: Michael Judson
EMT Job No: 21/3483

VOC Report : **Liquid**

EMT Sample No.	1-3										LOD/LOR	Units	Method No.
Sample ID	BH17												
Depth													
COC No / misc													
Containers	V G												
Sample Date	<>												
Sample Type	Liquid												
Batch Number	1												
Date of Receipt	11/03/2021												
VOC MS													
Dichlorodifluoromethane	<2										<2	ug/l	TM15/PM10
Methyl Tertiary Butyl Ether	<0.1										<0.1	ug/l	TM15/PM10
Chloromethane	<3										<3	ug/l	TM15/PM10
Vinyl Chloride	<0.1										<0.1	ug/l	TM15/PM10
Bromomethane	<1										<1	ug/l	TM15/PM10
Chloroethane	<3										<3	ug/l	TM15/PM10
Trichlorofluoromethane	<3										<3	ug/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE)	<3										<3	ug/l	TM15/PM10
Dichloromethane (DCM)	<5										<5	ug/l	TM15/PM10
trans-1-2-Dichloroethene	<3										<3	ug/l	TM15/PM10
1,1-Dichloroethane	<3										<3	ug/l	TM15/PM10
cis-1-2-Dichloroethene	<3										<3	ug/l	TM15/PM10
2,2-Dichloropropane	<1										<1	ug/l	TM15/PM10
Bromochloromethane	<2										<2	ug/l	TM15/PM10
Chloroform	<2										<2	ug/l	TM15/PM10
1,1,1-Trichloroethane	<2										<2	ug/l	TM15/PM10
1,1-Dichloropropene	<3										<3	ug/l	TM15/PM10
Carbon tetrachloride	<2										<2	ug/l	TM15/PM10
1,2-Dichloroethane	<2										<2	ug/l	TM15/PM10
Benzene	<0.5										<0.5	ug/l	TM15/PM10
Trichloroethene (TCE)	<3										<3	ug/l	TM15/PM10
1,2-Dichloropropane	<2										<2	ug/l	TM15/PM10
Dibromomethane	<3										<3	ug/l	TM15/PM10
Bromodichloromethane	<2										<2	ug/l	TM15/PM10
cis-1-3-Dichloropropene	<2										<2	ug/l	TM15/PM10
Toluene	<5										<5	ug/l	TM15/PM10
trans-1-3-Dichloropropene	<2										<2	ug/l	TM15/PM10
1,1,2-Trichloroethane	<2										<2	ug/l	TM15/PM10
Tetrachloroethene (PCE)	<3										<3	ug/l	TM15/PM10
1,3-Dichloropropane	<2										<2	ug/l	TM15/PM10
Dibromochloromethane	<2										<2	ug/l	TM15/PM10
1,2-Dibromoethane	<2										<2	ug/l	TM15/PM10
Chlorobenzene	<2										<2	ug/l	TM15/PM10
1,1,1,2-Tetrachloroethane	<2										<2	ug/l	TM15/PM10
Ethylbenzene	<1										<1	ug/l	TM15/PM10
m/p-Xylene	<2										<2	ug/l	TM15/PM10
o-Xylene	<1										<1	ug/l	TM15/PM10
Styrene	<2										<2	ug/l	TM15/PM10
Bromoform	<2										<2	ug/l	TM15/PM10
Isopropylbenzene	<3										<3	ug/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4										<4	ug/l	TM15/PM10
Bromobenzene	<2										<2	ug/l	TM15/PM10
1,2,3-Trichloropropane	<3										<3	ug/l	TM15/PM10
Propylbenzene	<3										<3	ug/l	TM15/PM10
2-Chlorotoluene	<3										<3	ug/l	TM15/PM10
1,3,5-Trimethylbenzene	<3										<3	ug/l	TM15/PM10
4-Chlorotoluene	<3										<3	ug/l	TM15/PM10
tert-Butylbenzene	<3										<3	ug/l	TM15/PM10
1,2,4-Trimethylbenzene	<3										<3	ug/l	TM15/PM10
sec-Butylbenzene	<3										<3	ug/l	TM15/PM10
4-Isopropyltoluene	<3										<3	ug/l	TM15/PM10
1,3-Dichlorobenzene	<3										<3	ug/l	TM15/PM10
1,4-Dichlorobenzene	<3										<3	ug/l	TM15/PM10
n-Butylbenzene	<3										<3	ug/l	TM15/PM10
1,2-Dichlorobenzene	<3										<3	ug/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2										<2	ug/l	TM15/PM10
1,2,4-Trichlorobenzene	<3										<3	ug/l	TM15/PM10
Hexachlorobutadiene	<3										<3	ug/l	TM15/PM10
Naphthalene	<2										<2	ug/l	TM15/PM10
1,2,3-Trichlorobenzene	<3										<3	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	90										<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	89										<0	%	TM15/PM10

Please see attached notes for all abbreviations and acronyms

Please include all sections of this report if it is reproduced
All solid results are expressed on a dry weight basis unless stated otherwise.

Client Name: EPS Ltd

Reference: UK20.5032C

Location:

Contact: Michael Judson

Matrix : Liquid

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	EPH Interpretation
21/3483	1	BH17		1-3	No interpretation possible

Client Name: EPS Ltd
Reference: UK20.5032C
Location:
Contact: Michael Judson

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 21/3483						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating.
Only analyses which are accredited are recorded as deviating if set criteria are not met.

Please include all sections of this report if it is reproduced

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 21/3483

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above calibration range, the result should be considered the minimum value. The actual result could be significantly higher, this result is not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics extracted.
#2	EU_Total but with fatty acids extracted.
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 21/3483

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM16/PM30	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE/Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5	Modified 8015B v2:1996 method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) within the range C8-C40 by GCFID. For waters the solvent extracts dissolved phase plus a sheen if present.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM5/TM36	please refer to TM5 and TM36 for method details	PM12/PM16/PM30	please refer to PM16/PM30 and PM12 for method details				
TM15	Modified USEPA 8260B v2:1996. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				
TM36	Modified US EPA method 8015B v2:1996. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID. MTBE by GCFID co-elutes with 3-methylpentane if present and therefore can give a false positive. Positive MTBE results will be re-run using GC-MS to double check, when requested.	PM12	Modified US EPA method 5021A v2:2014. Preparation of solid and liquid samples for GC headspace analysis.				

APPENDIX H

Waste Classification Report

Waste Classification Report

K868X-LCVQD-67FMS

Job name

Pfizer, 32 New Lane, Havant

Description/Comments

Project

UK20.5052c

Site

Pfizer, 32 New Lane, Havant

Related Documents

#	Name	Description
1	EMT-21-1423-Batch-1-File-2.hwol	.hwol file used to create the Job

Waste Stream Template

EPS Waste Stream Pfizer

Classified by

Name:
Michael Judson
Date:
02 Mar 2021 11:57 GMT
Telephone:
01954 710666

Company:
EPS
Unit 7B, Caxton House
Broad Street, Great Cambourne
Cambridge
CB23 6JN

HazWasteOnline™ Training Record:

Course	Date
Hazardous Waste Classification	07 Dec 2016
Advanced Hazardous Waste Classification	08 Dec 2016

Report

Created by: Michael Judson
Created date: 02 Mar 2021 11:57 GMT

Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	BH10 ES2-25/01/2021-0.70-0.90m		Non Hazardous		3
2	BH16 ES2-25/01/2021-6.50m		Non Hazardous		9
3	BH03 ES1-26/01/2021-0.00-0.80m		Non Hazardous		15
4	BH03 ES2-26/01/2021-3.00-4.00m		Non Hazardous		21
5	TP22 ES2-26/01/2021-1.20m		Non Hazardous		27
6	TP16 ES1-26/01/2021-1.60m		Non Hazardous		33
7	TP30 ES1-26/01/2021-1.80m		Non Hazardous		39
8	TP15 ES1-27/01/2021-0.30-0.70m		Hazardous	HP 3(i), HP 7, HP 11	45
9	TP15 ES2-27/01/2021-1.00m		Non Hazardous		51
10	BH04 ES1-27/01/2021-0.50m		Non Hazardous		57
11	TP13 ES1-27/01/2021-0.20-0.25m		Non Hazardous		63
12	TP12 ES3-27/01/2021-2.10m		Non Hazardous		69

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
13	BH13 ES1-28/01/2021-1.00m		Non Hazardous		75
14	BH13 ES2-28/01/2021-6.00-6.50m		Non Hazardous		81
15	TP11 ES2-28/01/2021-1.50m		Non Hazardous		87
16	TP29 ES1-28/01/2021-0.50m		Non Hazardous		93
17	BH11 ES1-28/01/2021-0.00-0.50m		Non Hazardous		96
18	BH02 ES2-29/01/2021-3.50-4.00m		Non Hazardous		102
19	BH12 ES1-29/01/2021-0.00-0.50m		Non Hazardous		108
20	BH17	0.4-0.6	Non Hazardous		114
21	TP18	1.2-1.3	Non Hazardous		117
22	WS2	0.3-0.5	Non Hazardous		120
23	WS7	0.5-0.7	Non Hazardous		123
24	WS8	0.9-1.0	Non Hazardous		126
25	WS9	0.6-0.8	Non Hazardous		129
26	BH1	2.50-3.00	Non Hazardous		132
27	BH8	0.80	Non Hazardous		135
28	BH8[2]	2.50-3.00	Non Hazardous		138
29	BH8[3]	11.95-12.00	Non Hazardous		141
30	BH12	2.50-3.00	Non Hazardous		144

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	147
Appendix B: Rationale for selection of metal species	152
Appendix C: Version	152

Classification of sample: BH10 ES2-25/01/2021-0.70-0.90m

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

Sample details

Sample Name:
BH10 ES2-25/01/2021-0.70-0.90m
Moisture content:
23.2%
(dry weight correction)

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: 23.2% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		10.9 mg/kg		8.847 mg/kg	0.000885 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		9 mg/kg	1.252	9.144 mg/kg	0.000914 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9 mg/kg		7.305 mg/kg	0.000731 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	13.4 mg/kg		10.877 mg/kg	0.00109 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		38 mg/kg	1.245	38.392 mg/kg	0.00384 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<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									
44		trichloroethylene; trichloroethene				6	µg/kg		0.0048	mg/kg	0.000000487 %	✓	
		602-027-00-9	201-167-4	79-01-6									
45		1,2-dichloropropane; propylene dichloride				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
46		dibromomethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
47	●	bromodichloromethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4									
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
49	●	trans-1,3-dichloropropene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
50		1,1,2-trichloroethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
51		tetrachloroethylene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
52	●	1,3-dichloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9									
53	●	dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
54		1,2-dibromoethane				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
55		chlorobenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
56	●	1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
57		bromoform; tribromomethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
58		1,1,2,2-tetrachloroethane				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
59		bromobenzene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		1,2,3-trichloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
61		mesitylene; 1,3,5-trimethylbenzene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
62	●	tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
63		1,2,4-trimethylbenzene				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
64	●	sec-butylbenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
65	●	4-isopropyltoluene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6									
66		1,3-dichlorbenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
67		1,4-dichlorobenzene; p-dichlorobenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
68	●	n-butylbenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
69		1,2-dichlorobenzene; o-dichlorobenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
70		1,2-dibromo-3-chloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
71		1,2,4-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72	●	hexachlorobutadiene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				40.3	mg/kg	1.462	47.809	mg/kg	0.00478 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0163 %		

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: BH16 ES2-25/01/2021-6.50m

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

Sample details

Sample Name:
BH16 ES2-25/01/2021-6.50m
Moisture content:
29.2%
(dry weight correction)

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: 29.2% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		6.5 mg/kg		5.031 mg/kg	0.000503 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		7 mg/kg	1.252	6.782 mg/kg	0.000678 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	10 mg/kg		7.74 mg/kg	0.000774 %	✓	
9	mercury { mercury } 080-001-00-0 / 231-106-7 / 7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel } 028-002-00-7 / 231-111-4 / 7440-02-0	7	11.4 mg/kg		8.824 mg/kg	0.000882 %	✓	
11	selenium { selenium } 034-001-00-2 / 231-957-4 / 7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide } 030-013-00-7 / 215-222-5 / 1314-13-2		34 mg/kg	1.245	32.756 mg/kg	0.00328 %	✓	
13	naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		34 µg/kg		0.0263 mg/kg	0.00000263 %	✓	
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47	●	bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49	●	trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52	●	1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53	●	dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62	●	tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64	●	sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65	●	4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68	●	n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72	●	hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				45.9	mg/kg	1.462	51.924	mg/kg	0.00519 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0154 %		

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: BH03 ES1-26/01/2021-0.00-0.80m

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

Sample details

Sample Name:
BH03 ES1-26/01/2021-0.00-0.80m
Moisture content:
30%
(dry weight correction)

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: 30% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		**<LOD**
2	benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3	toluene	601-021-00-3	203-625-9	108-88-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		**<LOD**
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		**<LOD**
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.4	mg/kg		5.692	mg/kg	0.000569 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2	mg/kg		0.154	mg/kg	0.0000154 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		11	mg/kg	1.252	10.592	mg/kg	0.00106 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46	mg/kg		35.385	mg/kg	0.00354 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	9.8	mg/kg		7.538	mg/kg	0.000754 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		60	mg/kg	1.245	57.448	mg/kg	0.00574 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		**<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	●	anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19	●	fluoranthene 205-912-4 / 206-44-0		0.09 mg/kg		0.0692 mg/kg	0.00000692 %	✓	
20	●	pyrene 204-927-3 / 129-00-0		0.08 mg/kg		0.0615 mg/kg	0.00000615 %	✓	
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.09 mg/kg		0.0692 mg/kg	0.00000692 %	✓	
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.05 mg/kg		0.0385 mg/kg	0.00000385 %	✓	
23		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		0.05 mg/kg		0.0385 mg/kg	0.00000385 %	✓	
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		0.05 mg/kg		0.0385 mg/kg	0.00000385 %	✓	
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.07 mg/kg		0.0538 mg/kg	0.00000538 %	✓	
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.03 mg/kg		0.0231 mg/kg	0.00000231 %	✓	
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<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							
44		trichloroethylene; trichloroethene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
45		1,2-dichloropropane; propylene dichloride				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
46		dibromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
47		bromodichloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4							
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
49		trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
50		1,1,2-trichloroethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
51		tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
52		1,3-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9							
53		dibromochloromethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1							
54		1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
55		chlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
56		1,1,1,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6							
57		bromoform; tribromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
58		1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
59		bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
60		1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
61		mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
62		tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6							
63		1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
64		sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8							
65		4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6							
66		1,3-dichlorbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
67		1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
68		n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8							
69		1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
70		1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
71		1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
72		hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3							

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
73	●	1,2,3-trichlorobenzene		201-757-1	87-61-6		<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
74		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
75		styrene	601-026-00-0	202-851-5	100-42-5		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
76	●	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3		<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
77		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]		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
79		cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7		1.041	mg/kg		0.801	mg/kg	0.0000801 %	✓	
82		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		53.468	mg/kg		41.129	mg/kg	0.00411 %	✓	
83	●	carbazole		201-696-0	86-74-8		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
85	●	2-nitrophenol		201-857-5	88-75-5		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
86		2,4-dichlorophenol	604-011-00-7	204-429-6	120-83-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
88		2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
89		2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
91		4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
92		pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
93		phenol	604-001-00-2	203-632-7	108-95-2		<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									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				0.614	mg/kg		0.472	mg/kg	0.0000472 %	✓	
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				61.5	mg/kg	1.462	69.143	mg/kg	0.00691 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0269 %		

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: BH03 ES2-26/01/2021-3.00-4.00m

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

Sample details

Sample Name:
BH03 ES2-26/01/2021-3.00-4.00m
Moisture content:
16.7%
(dry weight correction)

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: 16.7% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.3 mg/kg		6.255 mg/kg	0.000626 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2 mg/kg		0.171 mg/kg	0.0000171 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		8 mg/kg	1.252	8.581 mg/kg	0.000858 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9 mg/kg		7.712 mg/kg	0.000771 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	14.6 mg/kg		12.511 mg/kg	0.00125 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		34 mg/kg	1.245	36.264 mg/kg	0.00363 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				80.4	mg/kg	1.462	100.693	mg/kg	0.0101 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0213 %		

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: TP22 ES2-26/01/2021-1.20m

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

Sample details

Sample Name:
TP22 ES2-26/01/2021-1.20m
Moisture content:
13.1%
(dry weight correction)

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: 13.1% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		2.3 mg/kg		2.034 mg/kg	0.000203 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2 mg/kg		0.177 mg/kg	0.0000177 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		3 mg/kg	1.252	3.32 mg/kg	0.000332 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	5.3 mg/kg		4.686 mg/kg	0.000469 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		12 mg/kg	1.245	13.207 mg/kg	0.00132 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	●	anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19	●	fluoranthene 205-912-4 / 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	pyrene 204-927-3 / 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		6 µg/kg		0.0053 mg/kg	0.000000531 %	✓	
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				75.5	mg/kg	1.462	97.566	mg/kg	0.00976 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0167 %		

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: TP16 ES1-26/01/2021-1.60m

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

Sample details

Sample Name:
TP16 ES1-26/01/2021-1.60m
Moisture content:
15%
(dry weight correction)

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: 15% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.4 mg/kg		7.304 mg/kg	0.00073 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.6 mg/kg		0.522 mg/kg	0.0000522 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		10 mg/kg	1.252	10.885 mg/kg	0.00109 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13 mg/kg		11.304 mg/kg	0.00113 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	30.5 mg/kg		26.522 mg/kg	0.00265 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		51 mg/kg	1.245	55.2 mg/kg	0.00552 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	●	anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19	●	fluoranthene 205-912-4 / 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	pyrene 204-927-3 / 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				71.9	mg/kg	1.462	91.379	mg/kg	0.00914 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0244 %		

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: TP30 ES1-26/01/2021-1.80m

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

Sample details

Sample Name:
TP30 ES1-26/01/2021-1.80m
Moisture content:
18.9%
(dry weight correction)

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: 18.9% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		8.5 mg/kg		7.149 mg/kg	0.000715 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.7 mg/kg		0.589 mg/kg	0.0000589 %	✓	
7	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		10 mg/kg	1.252	10.528 mg/kg	0.00105 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	10 mg/kg		8.41 mg/kg	0.000841 %	✓	
9	mercury { mercury } 080-001-00-0 / 231-106-7 / 7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel } 028-002-00-7 / 231-111-4 / 7440-02-0	7	21.6 mg/kg		18.167 mg/kg	0.00182 %	✓	
11	selenium { selenium } 034-001-00-2 / 231-957-4 / 7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide } 030-013-00-7 / 215-222-5 / 1314-13-2		41 mg/kg	1.245	42.921 mg/kg	0.00429 %	✓	
13	naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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							
14		acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15		acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16		fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17		phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18		anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19		fluoranthene 205-912-4 / 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20		pyrene 204-927-3 / 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23		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
24		indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26		benzo[ghi]perylene 205-883-8 / 191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29		dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33		trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37		2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38		bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				63.3	mg/kg	1.462	77.81	mg/kg	0.00778 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0206 %		

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: TP15 ES1-27/01/2021-0.30-0.70m

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

Sample details

Sample Name:
TP15 ES1-27/01/2021-0.30-0.70m
Moisture content:
11.3%
(dry weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
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.: 0.15%)

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.: 0.15%)

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. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene: (conc.: 7.19e-07%)

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

Because of determinands:

mesitylene; 1,3,5-trimethylbenzene: (conc.: 3.59e-07%)
1,2,4-trimethylbenzene: (conc.: 7.19e-07%)
n-butylbenzene: (conc.: 3.59e-07%)
xylene: (conc.: 8.09e-07%)
TPH (C6 to C40) petroleum group: (conc.: 0.15%)

Determinands

Moisture content: 11.3% Dry Weight 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		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
2		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		toluene	601-021-00-3	203-625-9	108-88-3		8	µg/kg		0.0071	mg/kg	0.000000719 %	✓	
4		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
5		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		3	mg/kg		2.695	mg/kg	0.00027 %	✓	
6		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.3	mg/kg		0.27	mg/kg	0.000027 %	✓	
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		9	mg/kg	1.252	10.122	mg/kg	0.00101 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	29	mg/kg		26.056	mg/kg	0.00261 %	✓	
9		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10		nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	12.7	mg/kg		11.411	mg/kg	0.00114 %	✓	
11		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		31	mg/kg	1.245	34.669	mg/kg	0.00347 %	✓	
13		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
14		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17		phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0629	mg/kg	0.00000629 %	✓	
18		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19		fluoranthene		205-912-4	206-44-0		0.03	mg/kg		0.027	mg/kg	0.0000027 %	✓	
20		pyrene		204-927-3	129-00-0		0.04	mg/kg		0.0359	mg/kg	0.00000359 %	✓	
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29		dichlorodifluoromethane		200-893-9	75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33		trichlorofluoromethane		200-892-3	75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37		2,2-dichloropropane		209-832-0	594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38		bromochloromethane		200-826-3	74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
56	●	1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
57		bromoform; tribromomethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
58		1,1,2,2-tetrachloroethane				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
59		bromobenzene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
60		1,2,3-trichloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
61		mesitylene; 1,3,5-trimethylbenzene				4	µg/kg		0.0035	mg/kg	0.000000359 %	✓	
		601-025-00-5	203-604-4	108-67-8									
62	●	tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
63		1,2,4-trimethylbenzene				8	µg/kg		0.0071	mg/kg	0.000000719 %	✓	
		601-043-00-3	202-436-9	95-63-6									
64	●	sec-butylbenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
65	●	4-isopropyltoluene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6									
66		1,3-dichlorbenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
67		1,4-dichlorobenzene; p-dichlorobenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
68	●	n-butylbenzene				4	µg/kg		0.0035	mg/kg	0.000000359 %	✓	
			203-209-7	104-51-8									
69		1,2-dichlorobenzene; o-dichlorobenzene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
70		1,2-dibromo-3-chloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
71		1,2,4-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
72	●	hexachlorobutadiene				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
73	●	1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76	●	polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				0.009	mg/kg		0.008	mg/kg	0.000000809 %	✓	
		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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7									
83	●	carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85	●	2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
94	●	2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-079-9	91-58-7									
95	●	2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
97	●	di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0									
98	●	diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
99	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
102	●	4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
104	●	4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		611-001-00-6	203-102-5	103-33-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				137.9	mg/kg	1.462	181.086	mg/kg	0.0181 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				1674	mg/kg		1504.043	mg/kg	0.15 %	✓	
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.177 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Potentially 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: TP15 ES2-27/01/2021-1.00m

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

Sample details

Sample Name:
TP15 ES2-27/01/2021-1.00m
Moisture content:
16.4%
(dry weight correction)

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: 16.4% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.3 mg/kg		3.694 mg/kg	0.000369 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4 mg/kg		0.344 mg/kg	0.0000344 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		7 mg/kg	1.252	7.528 mg/kg	0.000753 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	18 mg/kg		15.464 mg/kg	0.00155 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	13.8 mg/kg		11.856 mg/kg	0.00119 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		24 mg/kg	1.245	25.664 mg/kg	0.00257 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	●	anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19	●	fluoranthene 205-912-4 / 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	pyrene 204-927-3 / 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				114.8	mg/kg	1.462	144.147	mg/kg	0.0144 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.025 %		

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: BH04 ES1-27/01/2021-0.50m

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

Sample details

Sample Name:
BH04 ES1-27/01/2021-0.50m
Moisture content:
14.6%
(dry weight correction)

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: 14.6% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.6 mg/kg		4.014 mg/kg	0.000401 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.6 mg/kg		0.524 mg/kg	0.0000524 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.554 mg/kg	0.000655 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6 mg/kg		5.236 mg/kg	0.000524 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	11.6 mg/kg		10.122 mg/kg	0.00101 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		23 mg/kg	1.245	24.981 mg/kg	0.0025 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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									
14		acenaphthylene	205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15		acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		fluorene	201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17		phenanthrene	201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18		anthracene	204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19		fluoranthene	205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20		pyrene	204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24		indeno[123-cd]pyrene	205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26		benzo[ghi]perylene	205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29		dichlorodifluoromethane	200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3	<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33		trichlorofluoromethane	200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2	<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3	<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37		2,2-dichloropropane	209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38		bromochloromethane	200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3	<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6	<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6	<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5	<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2	<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				78.1	mg/kg	1.462	99.605	mg/kg	0.00996 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0192 %		

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: TP13 ES1-27/01/2021-0.20-0.25m

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

Sample details

Sample Name:
TP13 ES1-27/01/2021-0.20-0.25m
Moisture content:
12.5%
(dry weight correction)

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: 12.5% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		**<LOD**
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		**<LOD**
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		**<LOD**
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		**<LOD**
5	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		6.4 mg/kg		5.689 mg/kg	0.000569 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.3 mg/kg		0.267 mg/kg	0.0000267 %	✓	
7	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		11 mg/kg	1.252	12.24 mg/kg	0.00122 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	17 mg/kg		15.111 mg/kg	0.00151 %	✓	
9	mercury { mercury } 080-001-00-0 / 231-106-7 / 7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
10	nickel { nickel } 028-002-00-7 / 231-111-4 / 7440-02-0	7	10.8 mg/kg		9.6 mg/kg	0.00096 %	✓	
11	selenium { selenium } 034-001-00-2 / 231-957-4 / 7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		**<LOD**
12	zinc { zinc oxide } 030-013-00-7 / 215-222-5 / 1314-13-2		47 mg/kg	1.245	52.001 mg/kg	0.0052 %	✓	
13	naphthalene 601-052-00-2 / 202-049-5 / 91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		**<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		0.06 mg/kg		0.0533 mg/kg	0.00000533 %	✓	
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		0.14 mg/kg		0.124 mg/kg	0.0000124 %	✓	
18	●	anthracene 204-371-1 / 120-12-7		0.08 mg/kg		0.0711 mg/kg	0.00000711 %	✓	
19	●	fluoranthene 205-912-4 / 206-44-0		0.57 mg/kg		0.507 mg/kg	0.0000507 %	✓	
20	●	pyrene 204-927-3 / 129-00-0		0.79 mg/kg		0.702 mg/kg	0.0000702 %	✓	
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		0.35 mg/kg		0.311 mg/kg	0.0000311 %	✓	
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		0.37 mg/kg		0.329 mg/kg	0.0000329 %	✓	
23		benzo[a]pyrene; benzo[def]chrysene 601-032-00-3 / 200-028-5 / 50-32-8		0.33 mg/kg		0.293 mg/kg	0.0000293 %	✓	
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		0.21 mg/kg		0.187 mg/kg	0.0000187 %	✓	
25		dibenz[a,h]anthracene 601-041-00-2 / 200-181-8 / 53-70-3		0.05 mg/kg		0.0444 mg/kg	0.00000444 %	✓	
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		0.21 mg/kg		0.187 mg/kg	0.0000187 %	✓	
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		0.46 mg/kg		0.409 mg/kg	0.0000409 %	✓	
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		0.18 mg/kg		0.16 mg/kg	0.000016 %	✓	
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
77		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
78		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
79		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
80		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
81		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
82		carbazole				0.02	mg/kg		0.0178	mg/kg	0.00000178 %	✓	
			201-696-0	86-74-8									
83		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
84		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
85		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
86		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
87		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
88		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
89		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
90		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
91		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
92		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
93		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
95		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
96		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
97		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
98		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
99		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
100		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
101		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
102		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
103		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
104		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
105		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
106		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
107		dibenzofuran				0.012	mg/kg		0.0107	mg/kg	0.00000107 %	✓	
			205-071-3	132-64-9									
108		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
109		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
110		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
111		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
112		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
113		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
114		chromium { chromium(III) oxide }				55.6	mg/kg	1.462	72.233	mg/kg	0.00722 %	✓	
			215-160-9	1308-38-9									
115		TPH (C6 to C40) petroleum group				266	mg/kg		236.444	mg/kg	0.0236 %	✓	
				TPH									
116		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
117		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0409 %		

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 WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0236%)

Classification of sample: TP12 ES3-27/01/2021-2.10m

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

Sample details

Sample Name:
TP12 ES3-27/01/2021-2.10m
Moisture content:
10.8%
(dry weight correction)

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: 10.8% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		3.2 mg/kg		2.888 mg/kg	0.000289 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4 mg/kg		0.361 mg/kg	0.0000361 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		5 mg/kg	1.252	5.649 mg/kg	0.000565 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6 mg/kg		5.415 mg/kg	0.000542 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	9.2 mg/kg		8.303 mg/kg	0.00083 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		15 mg/kg	1.245	16.851 mg/kg	0.00169 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				104.8	mg/kg	1.462	138.241	mg/kg	0.0138 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0219 %		

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: BH13 ES1-28/01/2021-1.00m

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

Sample details

Sample Name:
BH13 ES1-28/01/2021-1.00m
Moisture content:
7.5%
(dry weight correction)

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: 7.5% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		26 µg/kg		0.0242 mg/kg	0.00000242 %	✓	
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		6 µg/kg		0.0055 mg/kg	0.000000558 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.2 mg/kg		3.907 mg/kg	0.000391 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4 mg/kg		0.372 mg/kg	0.0000372 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		4 mg/kg	1.252	4.658 mg/kg	0.000466 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		9.302 mg/kg	0.00093 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	5.3 mg/kg		4.93 mg/kg	0.000493 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		44 mg/kg	1.245	50.946 mg/kg	0.00509 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
20	●	pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
22		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		5 µg/kg		0.0046 mg/kg	0.000000465 %	✓	
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		10 µg/kg		0.0093 mg/kg	0.00000093 %	✓	
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				0.043	mg/kg		0.04	mg/kg	0.000004 %	✓	
		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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#	Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
94	2-chloronaphthalene		202-079-9	91-58-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
95	2-methyl naphthalene		202-078-3	91-57-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
97	di-n-octyl phthalate		204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
98	diethyl phthalate		201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
99	dimethyl phthalate		205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
100	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
101	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
102	4-bromophenylphenylether		202-952-4	101-55-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
103	4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
104	4-chlorophenylphenylether		230-281-7	7005-72-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
105	azobenzene	611-001-00-6	203-102-5	103-33-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
106	bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
108	dibenzofuran		205-071-3	132-64-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
109	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
110	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
111	hexachloroethane		200-666-4	67-72-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
112	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
113	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114	nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
115	chromium { chromium(III) oxide }		215-160-9	1308-38-9		24.4 mg/kg	1.462	33.174 mg/kg	0.00332 %	✓	
116	TPH (C6 to C40) petroleum group			TPH		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
								Total:	0.0148 %		

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 WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene: (conc.: 2.42e-06%)
ethylbenzene: (conc.: 5.58e-07%)

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

Because of determinands:

mesitylene; 1,3,5-trimethylbenzene: (conc.: 4.65e-07%)
1,2,4-trimethylbenzene: (conc.: 9.3e-07%)
xylene: (conc.: 4.0e-06%)

Classification of sample: BH13 ES2-28/01/2021-6.00-6.50m

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

Sample details

Sample Name:
BH13 ES2-28/01/2021-6.00-6.50m
Moisture content:
24.4%
(dry weight correction)

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: 24.4% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		10.1 mg/kg		8.119 mg/kg	0.000812 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		9 mg/kg	1.252	9.056 mg/kg	0.000906 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11 mg/kg		8.842 mg/kg	0.000884 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	13.3 mg/kg		10.691 mg/kg	0.00107 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		40 mg/kg	1.245	40.023 mg/kg	0.004 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<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							
14	●	acenaphthylene 205-917-1 / 208-96-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
15	●	acenaphthene 201-469-6 / 83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
16	●	fluorene 201-695-5 / 86-73-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
17	●	phenanthrene 201-581-5 / 85-01-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
18	●	anthracene 204-371-1 / 120-12-7		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
19	●	fluoranthene 205-912-4 / 206-44-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
20	●	pyrene 204-927-3 / 129-00-0		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
21		benzo[a]anthracene 601-033-00-9 / 200-280-6 / 56-55-3		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
22		chrysene 601-048-00-0 / 205-923-4 / 218-01-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
23		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
24	●	indeno[123-cd]pyrene 205-893-2 / 193-39-5		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene 205-883-8 / 191-24-2		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene 601-034-00-4 / 205-911-9 / 205-99-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
28		benzo[k]fluoranthene 601-036-00-5 / 205-916-6 / 207-08-9		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
29	●	dichlorodifluoromethane 200-893-9 / 75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride 602-001-00-7 / 200-817-4 / 74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide 602-002-00-2 / 200-813-2 / 74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32		chloroethane 602-009-00-0 / 200-830-5 / 75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane 200-892-3 / 75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride 602-025-00-8 / 200-864-0 / 75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride 602-004-00-3 / 200-838-9 / 75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane 602-011-00-1 / 200-863-5 / 75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane 209-832-0 / 594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane 200-826-3 / 74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane 602-006-00-4 / 200-663-8 / 67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform 602-013-00-2 / 200-756-3 / 71-55-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene 602-031-00-0 / 209-253-3 / 563-58-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane 602-008-00-5 / 200-262-8 / 56-23-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride 602-012-00-7 / 203-458-1 / 107-06-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				42.1	mg/kg	1.462	49.463	mg/kg	0.00495 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0167 %		

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: TP11 ES2-28/01/2021-1.50m

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

Sample details

Sample Name:
TP11 ES2-28/01/2021-1.50m
Moisture content:
20.6%
(dry weight correction)

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: 20.6% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.6 mg/kg		6.302 mg/kg	0.00063 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.3 mg/kg		0.249 mg/kg	0.0000249 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		11 mg/kg	1.252	11.418 mg/kg	0.00114 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19 mg/kg		15.755 mg/kg	0.00158 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	18.9 mg/kg		15.672 mg/kg	0.00157 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		47 mg/kg	1.245	48.509 mg/kg	0.00485 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
14	●	acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18	●	anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene		205-912-4	206-44-0		0.16	mg/kg		0.133	mg/kg	0.0000133 %	✓	
20	●	pyrene		204-927-3	129-00-0		0.18	mg/kg		0.149	mg/kg	0.0000149 %	✓	
21		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.0829	mg/kg	0.00000829 %	✓	
22		chrysene	601-048-00-0	205-923-4	218-01-9		0.11	mg/kg		0.0912	mg/kg	0.00000912 %	✓	
23		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
24	●	indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		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
26	●	benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.07	mg/kg		0.058	mg/kg	0.0000058 %	✓	
28		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.03	mg/kg		0.0249	mg/kg	0.00000249 %	✓	
29	●	dichlorodifluoromethane		200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	602-009-00-0	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane		200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane		209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane		200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
44		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
45		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
46		dibromomethane	602-003-00-8	200-824-2	74-95-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
47		bromodichloromethane		200-856-7	75-27-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
49		trans-1,3-dichloropropene		431-460-4	10061-02-6		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
50		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
51		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
52		1,3-dichloropropane		205-531-3	142-28-9		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
53		dibromochloromethane		204-704-0	124-48-1		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
54		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
55		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
56		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
57		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
58		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
59		bromobenzene	602-060-00-9	203-623-8	108-86-1		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
60		1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
61		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
62		tert-butylbenzene		202-632-4	98-06-6		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
63		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
64		sec-butylbenzene		205-227-0	135-98-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
65		4-isopropyltoluene		202-796-7	99-87-6		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
66		1,3-dichlorbenzene	602-067-00-7	208-792-1	541-73-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
67		1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
68		n-butylbenzene		203-209-7	104-51-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
69		1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
70		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
71		1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1		<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
72		hexachlorobutadiene		201-765-5	87-68-3		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<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									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
95		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
96		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
97		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
98		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
99		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
100		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
101		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
102		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
103		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
104		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
105		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
106		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
107		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
108		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
109		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
110		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
111		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
112		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
113		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
114		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
115		chromium { chromium(III) oxide }				75.1	mg/kg	1.462	91.014	mg/kg	0.0091 %	✓	
			215-160-9	1308-38-9									
116		TPH (C6 to C40) petroleum group				182	mg/kg		150.912	mg/kg	0.0151 %	✓	
				TPH									
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0343 %		

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 WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0151%)

Classification of sample: TP29 ES1-28/01/2021-0.50m

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

Sample details

Sample Name:
TP29 ES1-28/01/2021-0.50m
Moisture content:
21.1%
(dry weight correction)

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: 21.1% Dry Weight 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		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
2		benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3		toluene	601-021-00-3	203-625-9	108-88-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
4		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
5		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027 mg/kg		<0.027 mg/kg	<0.0000027 %		<LOD
6		dichlorodifluoromethane		200-893-9	75-71-8		<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
7		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
8		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<1 µg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
9		chloroethane	602-009-00-0	200-830-5	75-00-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
10		trichlorofluoromethane		200-892-3	75-69-4		<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
11		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
12		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<30 µg/kg		<0.03 mg/kg	<0.000003 %		<LOD
13		1,1-dichloroethane	602-011-00-1	200-863-5	75-34-3		<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
14		2,2-dichloropropane		209-832-0	594-20-7		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
15		bromochloromethane		200-826-3	74-97-5		<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
16		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<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							
17		1,1,1-trichloroethane; methyl chloroform				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
18		1,1-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
19		carbon tetrachloride; tetrachloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
20		1,2-dichloroethane; ethylene dichloride				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-012-00-7	203-458-1	107-06-2							
21		trichloroethylene; trichloroethene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
22		1,2-dichloropropane; propylene dichloride				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
23		dibromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
24		bromodichloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4							
25		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
26		trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
27		1,1,2-trichloroethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
28		tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
29		1,3-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9							
30		dibromochloromethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1							
31		1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
32		chlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
33		1,1,1,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6							
34		bromoform; tribromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
35		1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
36		bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
37		1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
38		mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
39		tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6							
40		1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
41		sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8							
42		4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6							
43		1,3-dichlorbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
44		1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
45		n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8							

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
46		1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		**<LOD**
		602-034-00-7	202-425-9	95-50-1							
47		1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		**<LOD**
		602-021-00-6	202-479-3	96-12-8							
48		1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		**<LOD**
		602-087-00-6	204-428-0	120-82-1							
49	●	hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		**<LOD**
			201-765-5	87-68-3							
50	●	1,2,3-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		**<LOD**
			201-757-1	87-61-6							
51		vinyl chloride; chloroethylene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		**<LOD**
		602-023-00-7	200-831-0	75-01-4							
52		styrene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		**<LOD**
		601-026-00-0	202-851-5	100-42-5							
53		xylene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		**<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]							
54		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10 µg/kg		<0.01 mg/kg	<0.000001 %		**<LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
55		cumene; [1] propylbenzene [2]				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		**<LOD**
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
56		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		**<LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
								Total:	0.00002 %		

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: BH11 ES1-28/01/2021-0.00-0.50m

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

Sample details

Sample Name:
BH11 ES1-28/01/2021-0.00-0.50m
Moisture content:
12.9%
(dry weight correction)

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: 12.9% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		**<LOD**
2	benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3	toluene	601-021-00-3	203-625-9	108-88-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		**<LOD**
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		**<LOD**
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		5.1	mg/kg		4.517	mg/kg	0.000452 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2	mg/kg		0.177	mg/kg	0.0000177 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		7	mg/kg	1.252	7.761	mg/kg	0.000776 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	15	mg/kg		13.286	mg/kg	0.00133 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	7.6	mg/kg		6.732	mg/kg	0.000673 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		29	mg/kg	1.245	31.972	mg/kg	0.0032 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		**<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									
14	●	acenaphthylene	205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene	201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene	201-581-5	85-01-8		0.1	mg/kg		0.0886	mg/kg	0.00000886 %	✓	
18	●	anthracene	204-371-1	120-12-7		0.05	mg/kg		0.0443	mg/kg	0.00000443 %	✓	
19	●	fluoranthene	205-912-4	206-44-0		0.32	mg/kg		0.283	mg/kg	0.0000283 %	✓	
20	●	pyrene	204-927-3	129-00-0		0.34	mg/kg		0.301	mg/kg	0.0000301 %	✓	
21		benzo[a]anthracene	200-280-6	56-55-3		0.19	mg/kg		0.168	mg/kg	0.0000168 %	✓	
22		chrysene	205-923-4	218-01-9		0.18	mg/kg		0.159	mg/kg	0.0000159 %	✓	
23		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.15	mg/kg		0.133	mg/kg	0.0000133 %	✓	
24	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.09	mg/kg		0.0797	mg/kg	0.00000797 %	✓	
25		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	benzo[ghi]perylene	205-883-8	191-24-2		0.09	mg/kg		0.0797	mg/kg	0.00000797 %	✓	
27		benzo[b]fluoranthene	205-911-9	205-99-2		0.21	mg/kg		0.186	mg/kg	0.0000186 %	✓	
28		benzo[k]fluoranthene	205-916-6	207-08-9		0.08	mg/kg		0.0709	mg/kg	0.00000709 %	✓	
29	●	dichlorodifluoromethane	200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane	200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane	209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane	200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<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							
44		trichloroethylene; trichloroethene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
45		1,2-dichloropropane; propylene dichloride				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
46		dibromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
47		bromodichloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4							
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
49		trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
50		1,1,2-trichloroethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
51		tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
52		1,3-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9							
53		dibromochloromethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1							
54		1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
55		chlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
56		1,1,1,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6							
57		bromoform; tribromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
58		1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
59		bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
60		1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
61		mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
62		tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6							
63		1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
64		sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8							
65		4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6							
66		1,3-dichlorbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
67		1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
68		n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8							
69		1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
70		1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
71		1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
72		hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
94		2-chloronaphthalene 202-079-9 / 91-58-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
95		2-methyl naphthalene 202-078-3 / 91-57-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96		dibutyl phthalate; DBP 607-318-00-4 / 201-557-4 / 84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
97		di-n-octyl phthalate 204-214-7 / 117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
98		diethyl phthalate 201-550-6 / 84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
99		dimethyl phthalate 205-011-6 / 131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
100		2,4-dinitrotoluene; [1] dinitrotoluene [2] 609-007-00-9 / 204-450-0 [1] 246-836-1 [2] / 121-14-2 [1] 25321-14-6 [2]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
101		2,6-dinitrotoluene 609-049-00-8 / 210-106-0 / 606-20-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
102		4-bromophenylphenylether 202-952-4 / 101-55-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
103		4-chloroaniline 612-137-00-9 / 203-401-0 / 106-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
104		4-chlorophenylphenylether 230-281-7 / 7005-72-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
105		azobenzene 611-001-00-6 / 203-102-5 / 103-33-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
106		bis(2-chloroethoxy)methane 203-920-2 / 111-91-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107		bis(2-chloroethyl) ether 603-029-00-2 / 203-870-1 / 111-44-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
108		dibenzofuran 205-071-3 / 132-64-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
109		hexachlorobenzene 602-065-00-6 / 204-273-9 / 118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
110		hexachlorocyclopentadiene 602-078-00-7 / 201-029-3 / 77-47-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
111		hexachloroethane 200-666-4 / 67-72-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
112		3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 / 201-126-0 / 78-59-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
113		nitrosodipropylamine 612-098-00-8 / 210-698-0 / 621-64-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114		nitrobenzene 609-003-00-7 / 202-716-0 / 98-95-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
115		chromium { chromium(III) oxide } 215-160-9 / 1308-38-9		48.3 mg/kg	1.462	62.527 mg/kg	0.00625 %	✓	
116		TPH (C6 to C40) petroleum group TPH		276 mg/kg		244.464 mg/kg	0.0244 %	✓	
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 / 203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4] / 108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3] 612-012-00-9 / 201-855-4 [1] 202-729-1 [2] 202-810-1 [3] / 88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
						Total:	0.0376 %		

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 WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0244%)

Classification of sample: BH02 ES2-29/01/2021-3.50-4.00m

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

Sample details

Sample Name:
BH02 ES2-29/01/2021-3.50-4.00m
Moisture content:
12.4%
(dry weight correction)

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: 12.4% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		2.7	mg/kg		2.402	mg/kg	0.00024 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.3	mg/kg		0.267	mg/kg	0.0000267 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		5	mg/kg	1.252	5.568	mg/kg	0.000557 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	<5	mg/kg		<5	mg/kg	<0.0005 %		<LOD
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	8.6	mg/kg		7.651	mg/kg	0.000765 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		12	mg/kg	1.245	13.289	mg/kg	0.00133 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<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									
14	●	acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
15	●	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
16	●	fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<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				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
19	●	fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
20	●	pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
21		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
22		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
23		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									
24	●	indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
25		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									
26	●	benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
27		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
28		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
29	●	dichlorodifluoromethane				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
30		chloromethane; methyl chloride				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
31		bromomethane; methylbromide				<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
32		chloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
33	●	trichlorofluoromethane				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-892-3	75-69-4									
34		1,1-dichloroethylene; vinylidene chloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
35		dichloromethane; methylene chloride				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
36		1,1-dichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-011-00-1	200-863-5	75-34-3									
37	●	2,2-dichloropropane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
38	●	bromochloromethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			200-826-3	74-97-5									
39		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
40		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
41		1,1-dichloropropene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
42		carbon tetrachloride; tetrachloromethane				<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
43		1,2-dichloroethane; ethylene dichloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-012-00-7	203-458-1	107-06-2									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number							
44		trichloroethylene; trichloroethene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
45		1,2-dichloropropane; propylene dichloride				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
46		dibromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
47		bromodichloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4							
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
49		trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
50		1,1,2-trichloroethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
51		tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
52		1,3-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9							
53		dibromochloromethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1							
54		1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
55		chlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
56		1,1,1,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6							
57		bromoform; tribromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
58		1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
59		bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
60		1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
61		mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
62		tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6							
63		1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
64		sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8							
65		4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6							
66		1,3-dichlorbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
67		1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
68		n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8							
69		1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
70		1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
71		1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
72		hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		coronene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-881-7	191-07-1									
78		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
79		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
80		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
81		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
82		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
83		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
84		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
85		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
86		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
87		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
88		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
89		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
90		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
91		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
92		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
93		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
94		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
95		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
96		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
97		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
98		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
99		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
100		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
101		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
102		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
103		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
104		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
105		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
106		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
107		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
108		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
109		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
110		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
111		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
112		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
113		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
114		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
115		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
116		chromium { chromium(III) oxide }				93.6	mg/kg	1.462	121.71	mg/kg	0.0122 %	✓	
			215-160-9	1308-38-9									
117		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
118		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
119		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
										Total:	0.0197 %		

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: BH12 ES1-29/01/2021-0.00-0.50m

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

Sample details

Sample Name:
BH12 ES1-29/01/2021-0.00-0.50m
Moisture content:
25%
(dry weight correction)

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: 25% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.2	mg/kg		4.96	mg/kg	0.000496 %	✓	
6	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4	mg/kg		0.32	mg/kg	0.000032 %	✓	
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		34	mg/kg	1.252	34.048	mg/kg	0.0034 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	58	mg/kg		46.4	mg/kg	0.00464 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
10	nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	12.4	mg/kg		9.92	mg/kg	0.000992 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12	zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		94	mg/kg	1.245	93.602	mg/kg	0.00936 %	✓	
13	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<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									
14	●	acenaphthylene	205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
15	●	acenaphthene	201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16	●	fluorene	201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17	●	phenanthrene	201-581-5	85-01-8		0.06	mg/kg		0.048	mg/kg	0.0000048 %	✓	
18	●	anthracene	204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
19	●	fluoranthene	205-912-4	206-44-0		0.29	mg/kg		0.232	mg/kg	0.0000232 %	✓	
20	●	pyrene	204-927-3	129-00-0		0.25	mg/kg		0.2	mg/kg	0.00002 %	✓	
21		benzo[a]anthracene	200-280-6	56-55-3		0.18	mg/kg		0.144	mg/kg	0.0000144 %	✓	
22		chrysene	205-923-4	218-01-9		0.19	mg/kg		0.152	mg/kg	0.0000152 %	✓	
23		benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
24	●	indeno[123-cd]pyrene	205-893-2	193-39-5		0.13	mg/kg		0.104	mg/kg	0.0000104 %	✓	
25		dibenz[a,h]anthracene	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
26	●	benzo[ghi]perylene	205-883-8	191-24-2		0.13	mg/kg		0.104	mg/kg	0.0000104 %	✓	
27		benzo[b]fluoranthene	205-911-9	205-99-2		0.24	mg/kg		0.192	mg/kg	0.0000192 %	✓	
28		benzo[k]fluoranthene	205-916-6	207-08-9		0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
29	●	dichlorodifluoromethane	200-893-9	75-71-8		<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
30		chloromethane; methyl chloride	200-817-4	74-87-3		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
31		bromomethane; methylbromide	200-813-2	74-83-9		<1	µg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
32		chloroethane	200-830-5	75-00-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
33	●	trichlorofluoromethane	200-892-3	75-69-4		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
34		1,1-dichloroethylene; vinylidene chloride	200-864-0	75-35-4		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
35		dichloromethane; methylene chloride	200-838-9	75-09-2		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
36		1,1-dichloroethane	200-863-5	75-34-3		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
37	●	2,2-dichloropropane	209-832-0	594-20-7		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
38	●	bromochloromethane	200-826-3	74-97-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
39		chloroform; trichloromethane	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40		1,1,1-trichloroethane; methyl chloroform	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		1,1-dichloropropene	209-253-3	563-58-6		<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
42		carbon tetrachloride; tetrachloromethane	200-262-8	56-23-5		<4	µg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
43		1,2-dichloroethane; ethylene dichloride	203-458-1	107-06-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<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							
44		trichloroethylene; trichloroethene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		602-027-00-9	201-167-4	79-01-6							
45		1,2-dichloropropane; propylene dichloride				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
46		dibromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
47		bromodichloromethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			200-856-7	75-27-4							
48		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
49		trans-1,3-dichloropropene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
50		1,1,2-trichloroethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
51		tetrachloroethylene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
52		1,3-dichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-531-3	142-28-9							
53		dibromochloromethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1							
54		1,2-dibromoethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
55		chlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
56		1,1,1,2-tetrachloroethane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6							
57		bromoform; tribromomethane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-007-00-X	200-854-6	75-25-2							
58		1,1,2,2-tetrachloroethane				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5							
59		bromobenzene				<2 µg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1							
60		1,2,3-trichloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4							
61		mesitylene; 1,3,5-trimethylbenzene				<3 µg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8							
62		tert-butylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6							
63		1,2,4-trimethylbenzene				<6 µg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6							
64		sec-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8							
65		4-isopropyltoluene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			202-796-7	99-87-6							
66		1,3-dichlorbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1							
67		1,4-dichlorobenzene; p-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7							
68		n-butylbenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8							
69		1,2-dichlorobenzene; o-dichlorobenzene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1							
70		1,2-dibromo-3-chloropropane				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8							
71		1,2,4-trichlorobenzene				<7 µg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1							
72		hexachlorobutadiene				<4 µg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3							

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
73		1,2,3-trichlorobenzene				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
74		vinyl chloride; chloroethylene				<2	µg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
75		styrene				<3	µg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
76		polychlorobiphenyls; PCB				<35	µg/kg		<0.035	mg/kg	<0.0000035 %		<LOD
		602-039-00-4	215-648-1	1336-36-3									
77		xylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<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]									
78		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
79		cumene; [1] propylbenzene [2]				<7	µg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]									
80		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
81		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
82		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
83		carbazole				0.014	mg/kg		0.0112	mg/kg	0.00000112 %	✓	
			201-696-0	86-74-8									
84		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
85		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
86		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
88		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
90		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
91		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
92		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
93		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
94		2-chloronaphthalene 202-079-9 / 91-58-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
95		2-methyl naphthalene 202-078-3 / 91-57-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96		dibutyl phthalate; DBP 607-318-00-4 / 201-557-4 / 84-74-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
97		di-n-octyl phthalate 204-214-7 / 117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
98		diethyl phthalate 201-550-6 / 84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
99		dimethyl phthalate 205-011-6 / 131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
100		2,4-dinitrotoluene; [1] dinitrotoluene [2] 609-007-00-9 / 204-450-0 [1] 246-836-1 [2] / 121-14-2 [1] 25321-14-6 [2]		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
101		2,6-dinitrotoluene 609-049-00-8 / 210-106-0 / 606-20-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
102		4-bromophenylphenylether 202-952-4 / 101-55-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
103		4-chloroaniline 612-137-00-9 / 203-401-0 / 106-47-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
104		4-chlorophenylphenylether 230-281-7 / 7005-72-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
105		azobenzene 611-001-00-6 / 203-102-5 / 103-33-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
106		bis(2-chloroethoxy)methane 203-920-2 / 111-91-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107		bis(2-chloroethyl) ether 603-029-00-2 / 203-870-1 / 111-44-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
108		dibenzofuran 205-071-3 / 132-64-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
109		hexachlorobenzene 602-065-00-6 / 204-273-9 / 118-74-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
110		hexachlorocyclopentadiene 602-078-00-7 / 201-029-3 / 77-47-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
111		hexachloroethane 200-666-4 / 67-72-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
112		3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 / 201-126-0 / 78-59-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
113		nitrosodipropylamine 612-098-00-8 / 210-698-0 / 621-64-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114		nitrobenzene 609-003-00-7 / 202-716-0 / 98-95-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
115		chromium { chromium(III) oxide } 215-160-9 / 1308-38-9		60.1 mg/kg	1.462	70.272 mg/kg	0.00703 %	✓	
116		TPH (C6 to C40) petroleum group TPH		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
117		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 / 203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4] / 108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
118		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3] 612-012-00-9 / 201-855-4 [1] 202-729-1 [2] 202-810-1 [3] / 88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
						Total:	0.0302 %		

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: BH17

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

Sample details

Sample Name:
BH17
Sample Depth:
0.4-0.6 m
Moisture content:
5.4%
(dry weight correction)

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: 5.4% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		25 mg/kg	1.462	34.667 mg/kg	0.00347 %	✓	
6	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.1 mg/kg		5.787 mg/kg	0.000579 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4 mg/kg		0.38 mg/kg	0.000038 %	✓	
9	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	7.126 mg/kg	0.000713 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	98 mg/kg		92.979 mg/kg	0.0093 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	4.9	mg/kg		4.649	mg/kg	0.000465 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				96	mg/kg	1.245	113.371	mg/kg	0.0113 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
20		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
21		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
22		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
23		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
24		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
26		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									
27		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
28		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									
29		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		pH				8.67	pH		8.67	pH	8.67 pH		
				PH									
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
34		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<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]									
35		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
										Total:	0.031 %		

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: TP18

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

Sample details

Sample Name:
TP18
Sample Depth:
1.2-1.3 m
Moisture content:
9.3%
(dry weight correction)

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: 9.3% Dry Weight 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		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		131.6 mg/kg	1.462	175.975 mg/kg	0.0176 %	✓	
6		asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7		arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		3.6 mg/kg		3.294 mg/kg	0.000329 %	✓	
8		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.2 mg/kg		0.183 mg/kg	0.0000183 %	✓	
9		copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		9 mg/kg	1.252	10.307 mg/kg	0.00103 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	8 mg/kg		7.319 mg/kg	0.000732 %	✓	

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
11		mercury { mercury }		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		080-001-00-0 / 231-106-7 / 7439-97-6							
12		nickel { nickel }	7	8.7 mg/kg		7.96 mg/kg	0.000796 %	✓	
		028-002-00-7 / 231-111-4 / 7440-02-0							
13		selenium { selenium }		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		034-001-00-2 / 231-957-4 / 7782-49-2							
14		zinc { zinc oxide }		42 mg/kg	1.245	47.83 mg/kg	0.00478 %	✓	
		030-013-00-7 / 215-222-5 / 1314-13-2							
15		chromium in chromium(VI) compounds { chromium(VI) oxide }		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
		024-001-00-0 / 215-607-8 / 1333-82-0							
16		naphthalene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-052-00-2 / 202-049-5 / 91-20-3							
17		acenaphthylene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1 / 208-96-8							
18		acenaphthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6 / 83-32-9							
19		fluorene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5 / 86-73-7							
20		phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5 / 85-01-8							
21		anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1 / 120-12-7							
22		fluoranthene		0.34 mg/kg		0.311 mg/kg	0.0000311 %	✓	
		205-912-4 / 206-44-0							
23		pyrene		0.37 mg/kg		0.339 mg/kg	0.0000339 %	✓	
		204-927-3 / 129-00-0							
24		benzo[a]anthracene		0.28 mg/kg		0.256 mg/kg	0.0000256 %	✓	
		601-033-00-9 / 200-280-6 / 56-55-3							
25		chrysene		0.28 mg/kg		0.256 mg/kg	0.0000256 %	✓	
		601-048-00-0 / 205-923-4 / 218-01-9							
26		benzo[a]pyrene; benzo[def]chrysene		0.09 mg/kg		0.0823 mg/kg	0.00000823 %	✓	
		601-032-00-3 / 200-028-5 / 50-32-8							
27		indeno[123-cd]pyrene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2 / 193-39-5							
28		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							
29		benzo[ghi]perylene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8 / 191-24-2							
30		benzo[b]fluoranthene		0.17 mg/kg		0.156 mg/kg	0.0000156 %	✓	
		601-034-00-4 / 205-911-9 / 205-99-2							
31		benzo[k]fluoranthene		0.06 mg/kg		0.0549 mg/kg	0.00000549 %	✓	
		601-036-00-5 / 205-916-6 / 207-08-9							
32		pH		8.85 pH		8.85 pH	8.85 pH		
		PH							
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }		<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
		006-007-00-5							
34		xylene		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<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]							
35		TPH (C6 to C40) petroleum group		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
		TPH							
						Total:	0.0305 %		

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: WS2

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

Sample details

Sample Name:
WS2
Sample Depth:
0.3-0.5 m
Moisture content:
9.8%
(dry weight correction)

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: 9.8% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		42 mg/kg	1.462	55.907 mg/kg	0.00559 %	✓	
6	asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		7.4 mg/kg		6.74 mg/kg	0.000674 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		11 mg/kg	1.252	12.541 mg/kg	0.00125 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	21 mg/kg		19.126 mg/kg	0.00191 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		**<LOD**
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	8.6	mg/kg		7.832	mg/kg	0.000783 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		**<LOD**
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				47	mg/kg	1.245	53.28	mg/kg	0.00533 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		**<LOD**
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				0.03	mg/kg		0.0273	mg/kg	0.00000273 %	✓	
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		**<LOD**
			201-695-5	86-73-7									
20		phenanthrene				0.29	mg/kg		0.264	mg/kg	0.0000264 %	✓	
			201-581-5	85-01-8									
21		anthracene				0.1	mg/kg		0.0911	mg/kg	0.00000911 %	✓	
			204-371-1	120-12-7									
22		fluoranthene				1.19	mg/kg		1.084	mg/kg	0.000108 %	✓	
			205-912-4	206-44-0									
23		pyrene				1.24	mg/kg		1.129	mg/kg	0.000113 %	✓	
			204-927-3	129-00-0									
24		benzo[a]anthracene				0.68	mg/kg		0.619	mg/kg	0.0000619 %	✓	
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				0.7	mg/kg		0.638	mg/kg	0.0000638 %	✓	
		601-048-00-0	205-923-4	218-01-9									
26		benzo[a]pyrene; benzo[def]chrysene				0.71	mg/kg		0.647	mg/kg	0.0000647 %	✓	
		601-032-00-3	200-028-5	50-32-8									
27		indeno[123-cd]pyrene				0.46	mg/kg		0.419	mg/kg	0.0000419 %	✓	
			205-893-2	193-39-5									
28		dibenz[a,h]anthracene				0.1	mg/kg		0.0911	mg/kg	0.00000911 %	✓	
		601-041-00-2	200-181-8	53-70-3									
29		benzo[ghi]perylene				0.47	mg/kg		0.428	mg/kg	0.0000428 %	✓	
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				0.94	mg/kg		0.856	mg/kg	0.0000856 %	✓	
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.36	mg/kg		0.328	mg/kg	0.0000328 %	✓	
		601-036-00-5	205-916-6	207-08-9									
32		pH				11.16	pH		11.16	pH	11.16 pH		
				PH									
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		**<LOD**
		006-007-00-5											
34		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		**<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]									
35		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				0.597	mg/kg		0.544	mg/kg	0.0000544 %	✓	
		607-317-00-9	204-211-0	117-81-7									
36		TPH (C6 to C40) petroleum group				431	mg/kg		392.532	mg/kg	0.0393 %	✓	
				TPH									
										Total:	0.0568 %		

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 WM3 states that the Hazard Statement HP 3 (first and fourth indents) can be discounted as this is a solid waste without a free draining liquid phase.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0393%)

Classification of sample: WS7

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

Sample details

Sample Name:
WS7
Sample Depth:
0.5-0.7 m
Moisture content:
21.3%
(dry weight correction)

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: 21.3% Dry Weight 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		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		204.3 mg/kg	1.462	246.163 mg/kg	0.0246 %	✓	
6		asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7		arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		1.9 mg/kg		1.566 mg/kg	0.000157 %	✓	
8		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.2 mg/kg		0.165 mg/kg	0.0000165 %	✓	
9		copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		5 mg/kg	1.252	5.16 mg/kg	0.000516 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
11		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
12		nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	12	mg/kg		9.893	mg/kg	0.000989 %	✓	
13		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		13	mg/kg	1.245	13.34	mg/kg	0.00133 %	✓	
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
16		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
20		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
25		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
26		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
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		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
29		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		pH			PH		8.7	pH		8.7	pH	8.7 pH		
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
34		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]		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
35		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
											Total:	0.0333 %		

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: WS8

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

Sample details

Sample Name:
WS8
Sample Depth:
0.9-1.0 m
Moisture content:
21.9%
(dry weight correction)

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: 21.9% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		99.9 mg/kg	1.462	119.778 mg/kg	0.012 %	✓	
6	asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		12.7 mg/kg		10.418 mg/kg	0.00104 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.2 mg/kg		0.164 mg/kg	0.0000164 %	✓	
9	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		18 mg/kg	1.252	18.484 mg/kg	0.00185 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	24 mg/kg		19.688 mg/kg	0.00197 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	32.9	mg/kg		26.989	mg/kg	0.0027 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				69	mg/kg	1.245	70.456	mg/kg	0.00705 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
20		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
21		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
22		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
23		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
24		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
26		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									
27		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
28		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									
29		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		pH				7.97	pH		7.97	pH	7.97 pH		
				PH									
33		xylene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<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]									
34		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
										Total:	0.0316 %		

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: WS9

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

Sample details

Sample Name:
WS9
Sample Depth:
0.6-0.8 m
Moisture content:
23.1%
(dry weight correction)

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: 23.1% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.002 µg/kg		<2.0e-06 mg/kg	<2.0e-10 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.003 µg/kg		<3.0e-06 mg/kg	<3.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		162.7 mg/kg	1.462	193.172 mg/kg	0.0193 %	✓	
6	asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		2.1 mg/kg		1.706 mg/kg	0.000171 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.2 mg/kg		0.162 mg/kg	0.0000162 %	✓	
9	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		5 mg/kg	1.252	5.084 mg/kg	0.000508 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
11		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
12		nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	10.3	mg/kg		8.367	mg/kg	0.000837 %	✓	
13		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		15	mg/kg	1.245	15.167	mg/kg	0.00152 %	✓	
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
16		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
20		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
25		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
26		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
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		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
29		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		pH			PH		8.57	pH		8.57	pH	8.57 pH		
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
34		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]		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
35		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
											Total:	0.028 %		

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: BH1

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

Sample details

Sample Name:
BH1
Sample Depth:
2.50-3.00 m
Moisture content:
23.4%
(dry weight correction)

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: 23.4% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		158.7 mg/kg	1.462	187.965 mg/kg	0.0188 %	✓	
6	asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		2.7 mg/kg		2.188 mg/kg	0.000219 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		4 mg/kg	1.252	4.058 mg/kg	0.000406 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	<5 mg/kg		<5 mg/kg	<0.0005 %		<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									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	8.2	mg/kg		6.645	mg/kg	0.000665 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				9	mg/kg	1.245	9.078	mg/kg	0.000908 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
20		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
21		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
22		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
23		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
24		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
26		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									
27		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
28		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									
29		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		pH				8.63	pH		8.63	pH	8.63 pH		
				PH									
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
34		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]									
35		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
										Total:	0.0266 %		

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: BH8

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

Sample details

Sample Name:
BH8
Sample Depth:
0.80 m
Moisture content:
21.5%
(dry weight correction)

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: 21.5% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
2	benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
3	toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
4	ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 / 1308-38-9		57.6 mg/kg	1.462	69.289 mg/kg	0.00693 %	✓	
6	asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		2.8 mg/kg		2.305 mg/kg	0.00023 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	0.4 mg/kg		0.329 mg/kg	0.0000329 %	✓	
9	copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		6 mg/kg	1.252	6.182 mg/kg	0.000618 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	6 mg/kg		4.938 mg/kg	0.000494 %	✓	

#		Determinand	CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
11		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
12		nickel { nickel }	028-002-00-7	231-111-4	7440-02-0	7	8.6	mg/kg		7.078	mg/kg	0.000708 %	✓	
13		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
14		zinc { zinc oxide }	030-013-00-7	215-222-5	1314-13-2		23	mg/kg	1.245	23.562	mg/kg	0.00236 %	✓	
15		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
16		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
17		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
18		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
19		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
20		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
21		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
25		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
26		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
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
28		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
29		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
30		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
32		pH			PH		8.47	pH		8.47	pH	8.47 pH		
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
34		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
35		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
											Total:	0.0165 %		

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: BH8[2]

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

Sample details

Sample Name:
BH8[2]
Sample Depth:
2.50-3.00 m
Moisture content:
23.6%
(dry weight correction)

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: 23.6% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
2	benzene	601-020-00-8	200-753-7	71-43-2		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
3	toluene	601-021-00-3	203-625-9	108-88-3		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		<LOD
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		71.8 mg/kg	1.462	84.903 mg/kg	0.00849 %	✓	
6	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
7	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8 mg/kg		6.472 mg/kg	0.000647 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
9	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.077 mg/kg	0.000608 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<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									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	10.8	mg/kg		8.738	mg/kg	0.000874 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				25	mg/kg	1.245	25.176	mg/kg	0.00252 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
20		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
21		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
22		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
23		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
24		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
26		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									
27		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
28		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									
29		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
32		pH				8.75	pH		8.75	pH	8.75 pH		
				PH									
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
34		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]									
35		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
										Total:	0.0188 %		

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: BH8[3]

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

Sample details

Sample Name:
BH8[3]
Sample Depth:
11.95-12.00 m
Moisture content:
13.7%
(dry weight correction)

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: 13.7% Dry Weight 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		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X / 216-653-1 / 1634-04-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		**<LOD**
2		benzene 601-020-00-8 / 200-753-7 / 71-43-2		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		**<LOD**
3		toluene 601-021-00-3 / 203-625-9 / 108-88-3		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		**<LOD**
4		ethylbenzene 601-023-00-4 / 202-849-4 / 100-41-4		<0.005 µg/kg		<5.0e-06 mg/kg	<5.0e-10 %		**<LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide (worst case) } / 215-160-9 / 1308-38-9		48.7 mg/kg	1.462	62.601 mg/kg	0.00626 %	✓	
6		asbestos 650-013-00-6 / - - - - - - - / 12001-28-4, 132207-32-0, 12172-73-5, 77536-66-4, 77536-68-6, 77536-67-5, 12001-29-5		<10 mg/kg		<10 mg/kg	<0.001 %		**<LOD**
7		arsenic { arsenic } 033-001-00-X / 231-148-6 / 7440-38-2		8.1 mg/kg		7.124 mg/kg	0.000712 %	✓	
8		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5	1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
9		copper { copper(II) oxide } 029-016-00-6 / 215-269-1 / 1317-38-0		15 mg/kg	1.252	16.514 mg/kg	0.00165 %	✓	
10		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6	1	11 mg/kg		9.675 mg/kg	0.000967 %	✓	

#		Determinand	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		CLP index number / EC Number / CAS Number							
11		mercury { mercury }		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		080-001-00-0 / 231-106-7 / 7439-97-6							
12		nickel { nickel }	7	39.6 mg/kg		34.828 mg/kg	0.00348 %	✓	
		028-002-00-7 / 231-111-4 / 7440-02-0							
13		selenium { selenium }		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		034-001-00-2 / 231-957-4 / 7782-49-2							
14		zinc { zinc oxide }		66 mg/kg	1.245	72.253 mg/kg	0.00723 %	✓	
		030-013-00-7 / 215-222-5 / 1314-13-2							
15		chromium in chromium(VI) compounds { chromium(VI) oxide }		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
		024-001-00-0 / 215-607-8 / 1333-82-0							
16		naphthalene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-052-00-2 / 202-049-5 / 91-20-3							
17		acenaphthylene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-917-1 / 208-96-8							
18		acenaphthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		201-469-6 / 83-32-9							
19		fluorene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		201-695-5 / 86-73-7							
20		phenanthrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		201-581-5 / 85-01-8							
21		anthracene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		204-371-1 / 120-12-7							
22		fluoranthene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		205-912-4 / 206-44-0							
23		pyrene		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
		204-927-3 / 129-00-0							
24		benzo[a]anthracene		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		601-033-00-9 / 200-280-6 / 56-55-3							
25		chrysene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		601-048-00-0 / 205-923-4 / 218-01-9							
26		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							
27		indeno[123-cd]pyrene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-893-2 / 193-39-5							
28		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							
29		benzo[ghi]perylene		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		205-883-8 / 191-24-2							
30		benzo[b]fluoranthene		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
		601-034-00-4 / 205-911-9 / 205-99-2							
31		benzo[k]fluoranthene		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		601-036-00-5 / 205-916-6 / 207-08-9							
32		pH		8.17 pH		8.17 pH	8.17 pH		
		PH							
33		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]							
34		TPH (C6 to C40) petroleum group		<38 mg/kg		<38 mg/kg	<0.0038 %		<LOD
		TPH							
						Total:	0.0253 %		

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: BH12

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

Sample details

Sample Name:
BH12
Sample Depth:
2.50-3.00 m
Moisture content:
18.8%
(dry weight correction)

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: 18.8% Dry Weight 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	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	µg/kg		<5.0e-06	mg/kg	<5.0e-10 %		**<LOD**
2	benzene	601-020-00-8	200-753-7	71-43-2		<0.005	µg/kg		<5.0e-06	mg/kg	<5.0e-10 %		**<LOD**
3	toluene	601-021-00-3	203-625-9	108-88-3		<0.005	µg/kg		<5.0e-06	mg/kg	<5.0e-10 %		**<LOD**
4	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	µg/kg		<5.0e-06	mg/kg	<5.0e-10 %		**<LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }		215-160-9	1308-38-9		111.1	mg/kg	1.462	136.683	mg/kg	0.0137 %	✓	
6	asbestos	650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
7	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.2	mg/kg		3.535	mg/kg	0.000354 %	✓	
8	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2	mg/kg		0.168	mg/kg	0.0000168 %	✓	
9	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		10	mg/kg	1.252	10.537	mg/kg	0.00105 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9	mg/kg		7.576	mg/kg	0.000758 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		CLP index number	EC Number	CAS Number									
11		mercury { mercury }				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		080-001-00-0	231-106-7	7439-97-6									
12		nickel { nickel }			7	14.9	mg/kg		12.542	mg/kg	0.00125 %	✓	
		028-002-00-7	231-111-4	7440-02-0									
13		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
14		zinc { zinc oxide }				198	mg/kg	1.245	207.452	mg/kg	0.0207 %	✓	
		030-013-00-7	215-222-5	1314-13-2									
15		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
16		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
17		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
18		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
19		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
20		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
21		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
22		fluoranthene				0.11	mg/kg		0.0926	mg/kg	0.00000926 %	✓	
			205-912-4	206-44-0									
23		pyrene				0.1	mg/kg		0.0842	mg/kg	0.00000842 %	✓	
			204-927-3	129-00-0									
24		benzo[a]anthracene				0.08	mg/kg		0.0673	mg/kg	0.00000673 %	✓	
		601-033-00-9	200-280-6	56-55-3									
25		chrysene				0.07	mg/kg		0.0589	mg/kg	0.00000589 %	✓	
		601-048-00-0	205-923-4	218-01-9									
26		benzo[a]pyrene; benzo[def]chrysene				0.05	mg/kg		0.0421	mg/kg	0.00000421 %	✓	
		601-032-00-3	200-028-5	50-32-8									
27		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
28		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									
29		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
30		benzo[b]fluoranthene				0.08	mg/kg		0.0673	mg/kg	0.00000673 %	✓	
		601-034-00-4	205-911-9	205-99-2									
31		benzo[k]fluoranthene				0.03	mg/kg		0.0253	mg/kg	0.00000253 %	✓	
		601-036-00-5	205-916-6	207-08-9									
32		pH				8.28	pH		8.28	pH	8.28 pH		
				PH									
33		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
34		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]									
35		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
										Total:	0.043 %		

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

Appendix A: Classifier defined and non CLP determinands

ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)

CLP index number: 601-023-00-4
Description/Comments:
Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)
Additional Hazard Statement(s): Carc. 2 H351
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

arsenic (EC Number: 231-148-6, CAS Number: 7440-38-2)

CLP index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex

CLP index number: 048-001-00-5
Description/Comments: Worst Case: IARC considers cadmium compounds Group 1; Carcinogenic to humans
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

lead compounds with the exception of those specified elsewhere in this Annex (worst case)

CLP index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following CLP protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
03 Jun 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

acenaphthylene (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

acenaphthene (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

fluorene (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

phenanthrene (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

anthracene (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

fluoranthene (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

pyrene (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

indeno[123-cd]pyrene (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2 H351

benzo[ghi]perylene (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

dichlorodifluoromethane (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3 H412 , Ozone 1 H420 , Press. Gas H280

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H312 , Ozone 1 H420

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H332 , Flam. Liq. 2 H225 , Acute Tox. 4 H302 , Acute Tox. 4 H312 , Eye Irrit. 2 H319

bromochloromethane (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H312 , Skin Corr. 1B H314 , Eye Dam. 1 H318 , Acute Tox. 4 H332 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Ozone 1 H420

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Muta. 1B H340 , Carc. 1B H350 , Repr. 1A H360

trans-1,3-dichloropropene (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Acute Tox. 3 H301 , Asp. Tox. 1 H304 , Acute Tox. 3 H311 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , Aquatic Chronic 1 H410

1,3-dichloropropane (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H332 , Flam. Liq. 2 H225 , Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , STOT SE 3 H336 , Muta. 2 H341 , Aquatic Chronic 2 H411

1,1,1,2-tetrachloroethane (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , Eye Dam. 1 H318 , Acute Tox. 4 H332 , Carc. 2 H351 , Acute Tox. 4 H312 , Aquatic Chronic 3 H412 , Skin Irrit. 2 H315

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , Acute Tox. 4 H332 , STOT SE 3 H335 , Asp. Tox. 1 H304 , Aquatic Chronic 2 H411

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Aquatic Chronic 2 H411

4-isopropyltoluene (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Chronic 2 H411

n-butylbenzene (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3 H226 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

hexachlorobutadiene (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 2 H310 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Irrit. 2 H319 , Acute Tox. 2 H330 , Carc. 2 H351 , Repr. 2 H361 , STOT SE 2 H371 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , STOT SE 3 H336 , Aquatic Acute 1 H400 , Aquatic Chronic 3 H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Muta. 2 H341 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , Acute Tox. 3 H301

2-nitrophenol (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 4 H332 , STOT SE 3 H335 , STOT RE 2 H373 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , STOT SE 3 H336 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2 H361 , Skin Sens. 1 H317 , Resp. Sens. 1 H334 , Eye Irrit. 2 H319 , Aquatic Chronic 4 H413

diethyl phthalate (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Acute Tox. 3 H331 , Acute Tox. 3 H311 , STOT SE 3 H335 , STOT RE 2 H373 , Repr. 2 H361 , Acute Tox. 4 H302 , STOT SE 3 H336 , Skin Sens. 1 H317 , Aquatic Chronic 1 H410

dimethyl phthalate (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , Acute Tox. 3 H331 , STOT SE 3 H335 , STOT SE 3 H336 , Repr. 2 H361 , Aquatic Chronic 3 H412

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Eye Dam. 1 H318 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3 H301 , Acute Tox. 4 H312 , Acute Tox. 1 H330 , Acute Tox. 2 H330 , STOT SE 1 H370 , STOT RE 2 H373

dibenzofuran (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 4 H312 , Acute Tox. 4 H332 , Aquatic Chronic 2 H411

hexachloroethane (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , STOT RE 2 H373

chromium(III) oxide (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from ECHA's C&L inventory database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 30 Apr 2020
Hazard Statements: Acute Tox. 4 H302 , Skin Sens. 1 H317 , Eye Irrit. 2 H319

TPH (C6 to C40) petroleum group (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)

CLP index number: 602-039-00-4
Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.
Data source: Regulation 1272/2008/EC - Classification, labelling and packaging of substances and mixtures. (CLP)
Additional Hazard Statement(s): Carc. 1A H350
Reason for additional Hazards Statement(s):
29 Sep 2015 - Carc. 1A H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

coronene (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.
Data source:
http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en
Data source date: 16 Jun 2014
Hazard Statements: STOT SE 2 H371

chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H332 , Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Resp. Sens. 1 H334 , Skin Sens. 1 H317 , Repr. 1B H360FD , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

pH (CAS Number: PH)

Description/Comments: Appendix C4
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: None.

salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex

CLP index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Data source: Commission Regulation (EC) No 790/2009 - 1st Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP1)
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
14 Dec 2015 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

Appendix B: Rationale for selection of metal species

arsenic {arsenic}

.

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex}

.

copper {copper(II) oxide}

.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

.

mercury {mercury}

.

nickel {nickel}

.

selenium {selenium}

.

zinc {zinc oxide}

.

chromium {chromium(III) oxide}

.

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

.

chromium in chromium(VI) compounds {chromium(VI) oxide}

.

cyanides {salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex}

.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.60.4685.9008 (01 Mar 2021)
HazWasteOnline Database: 2021.60.4685.9008 (01 Mar 2021)

This classification utilises the following guidance and legislation:
WM3 v1.1 - Waste Classification - 1st Edition v1.1 - May 2018
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019 - UK: 2019 No. 720 of 27th March 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
POPs Regulation 2019 - Regulation (EU) 2019/1021 of 20 June 2019

APPENDIX I

Geotechnical Laboratory Testing Results

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

Client:

Environmental Protection Strategies Ltd
Unit 7
Caxton House
Broad Street
Great Cambourne
Cambridge
CB23 6JN

Soil Property Testing Ltd

15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG

Tel: 01480 455579
Email: enquiries@soilpropertytesting.com
Website: www.soilpropertytesting.com

Samples Submitted By:

Environmental Protection Strategies Ltd

Samples Labelled:

UK20.5052c - Pfizer, Havant

Approved Signatories:

- ☑ **J.C. Garner B.Eng (Hons) FGS** — Technical Director & Quality Manager
- ☐ **S.P. Townend** — Chairman
- ☐ **W. Johnstone** — Materials Lab Manager
- ☐ **D. Sabnis** — Operations Manager



Date Received: 11/02/2021

Samples Tested Between: 11/02/2021 **and** 02/03/2021

Remarks:

For the attention of Michael Judson
Your Reference No: UK20.5052c
Your Order No: 25893

Notes:

1. All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary.
2. (a) UKAS - United Kingdom Accreditation Service.
   (b) Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
3. Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory.
4. This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**		
Serial No.	**38207_1**	**Target Date**	25/02/2021
Scheduled By	Environmental Protection Strategies Ltd		

SCHEDULE OF LABORATORY TESTS

Schedule Remarks

Bore Hole No.	Type	Sample Ref.	Top Depth	Particle Size Distribution (BS1377)	Water Content (BSEN)	Liquid/Plastic Limits	Wet Sieve Preparation	Triaxial Test	One Dimensional Consolidation															Sample Remarks
BH01	B	6	4.50	1																				
BH01	D	5	12.00		1	1																		
BH02	B	2	1.20	1																				
BH02	U	17	9.00					1																
BH03	B	3	2.00	1																				
BH03	U	9	5.00					1																
BH03	U	23	12.00					1																
BH04	B	5	3.50		1	1	1																	
BH04	U	1	11.50					1	1															
BH04	U	3	19.00					1	1															
BH08	B	4	2.50	1																				
BH08	U	1	8.50					1																
BH08	D	2	10.00		1	1																		
BH08	U	3	14.50					1																
BH10	B	1	1.50		1	1	1																	
BH10	B	4	3.50	1																				
BH10	U	1	5.50					1	1															
BH10	D	2	5.95		1	1	1																	
BH10	U	3	14.50					1	1															
BH11	B	3	2.50	1																				
BH11	U	2	13.00					1	1															
BH11	D	4	13.45		1	1																		
BH11	U	3	17.50					1	1															
BH12	B	2	1.10	1																				
BH12	B	8	6.20	1																				
BH12	U	1	7.00					1																
BH12	U	2	10.00					1																
BH13	B	3	2.00	1																				
BH13	D	8	5.95		1	1																		
BH13	U	18	12.00					1																
BH16	D	8	3.90		1	1	1																	
BH16	U	11	5.00					1																
BH16	D	14	6.95	1																				

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**		
Serial No.	**38207_1**	**Target Date**	25/02/2021
Scheduled By	Environmental Protection Strategies Ltd		

SCHEDULE OF LABORATORY TESTS

Schedule Remarks

Bore Hole No.	Type	Sample Ref.	Top Depth	Particle Size Distribution (BS1377)	Water Content (BSEN)	Liquid/Plastic Limits	Wet Sieve Preparation	Triaxial Test	One Dimensional Consolidation															Sample Remarks
BH16	D	20	9.95			1																		
BH16	U	24	12.00					1																
BH17	B	6	3.50	1																				
BH17	D	11	6.95	1																				
BH17	U	20	12.00					1																
Totals				**12**	**8**	**9**	**4**	**17**	**6**															**End of Schedule**

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti-city Index (%)	Liquid-ity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
BH01	12.00 - 12.45	D	5	**28.5**	71	24	47	0.10	From Natural	0 (A)		26	Firm dark grey CLAY.	CV
BH04	3.50 - 4.00	B	5	**21.2**	40	19	21	0.11	Wet Sieved	48 (M)	40.8*	24	Very soft yellowish brown gravelly slightly sandy silty CLAY. Gravel is brown, black and white fine to coarse angular to rounded chert.	CI
BH08	10.00 - 10.45	D	2	**29.1**	74	25	49	0.08	From Natural	0 (A)		39	Stiff dark grey CLAY with rare silt partings.	CV
BH10	1.50 - 2.00	B	1	**9.4**	31	16	15	-0.44	Wet Sieved	71 (M)	32.4*	25	Brown, black and white fine to coarse angular to rounded chert GRAVEL with occasional chert cobbles, in a soft yellowish brown sandy clay matrix.	CL
BH10	5.95 - 6.00	D	2	**23.2**	29	22	7	0.17	Wet Sieved	(M)		39	Greyish brown sandy SILT/CLAY with rare shell debris.	CL/ML
BH11	13.45 - 13.50	D	4	**25.2**	68	24	44	0.03	From Natural	0 (A)		26	Stiff fissured dark grey CLAY.	CH
BH13	5.95 - 6.00	D	8	**27.2**	30	18	12	0.77	From Natural	0 (A)		64	Very soft brown sandy silty CLAY with rare shell debris. Sand is fine.	CL
BH16	3.90 - 4.00	D	8	**27.3**	36	16	20	0.56	Wet Sieved	11 (M)	30.7*	14	Very soft brownish yellow slightly gravelly sandy silty CLAY. Gravel is black and white fine to coarse angular to subangular chert. Sand is fine.	CI

Method Of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:4.2
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments: *Corrected water content assume material greater than 0.425mm is non-porous. See BS1377: Part 2: 1990 Clause 3 Note 1.

Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasti-city Index (%)	Liquid-ity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
BH16	9.95 - 10.00	D	20	**30.7**	72	23	49	0.16	From Natural	0 (A)		40	Firm dark grey CLAY.	CV

Method Of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:4.2
Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4
Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:

Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

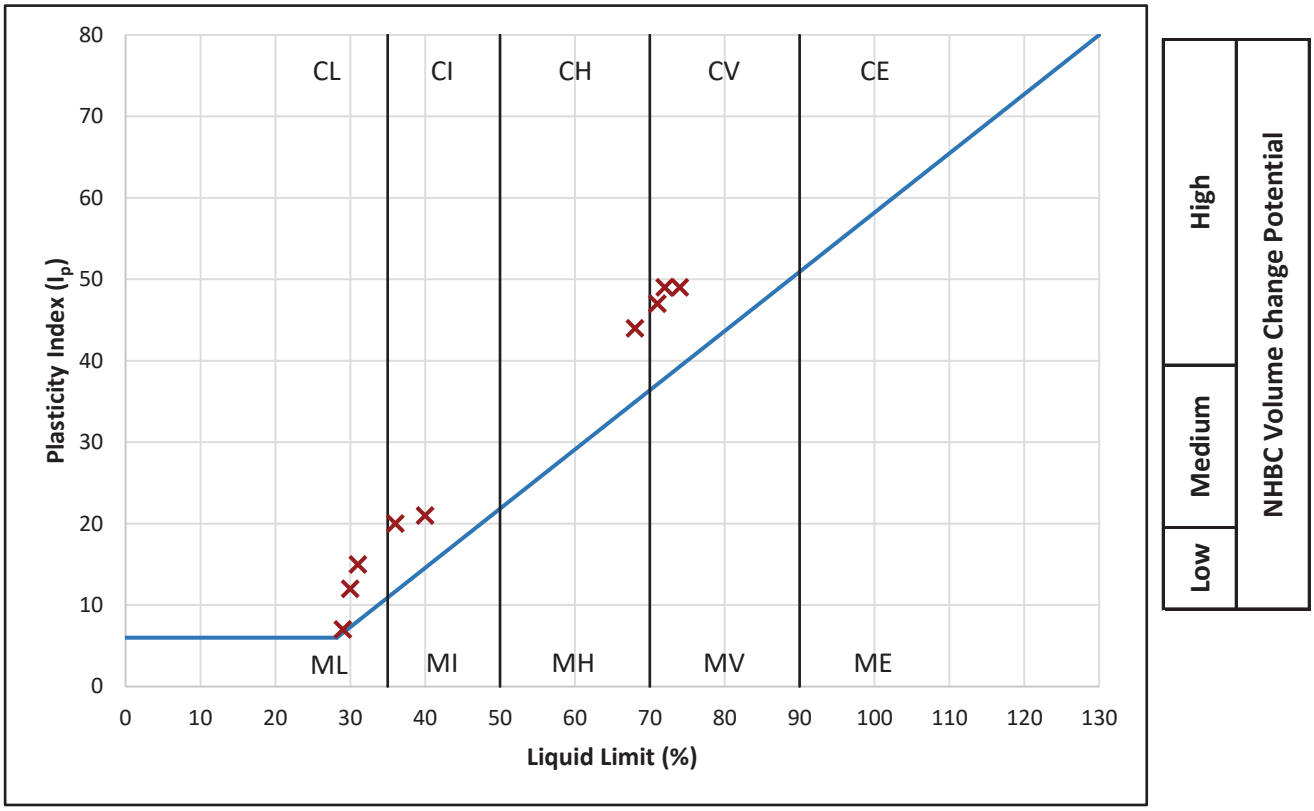
DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS 1377: Part 2: 1990: 4.2
Method of Test:	BS1377: Part 2: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

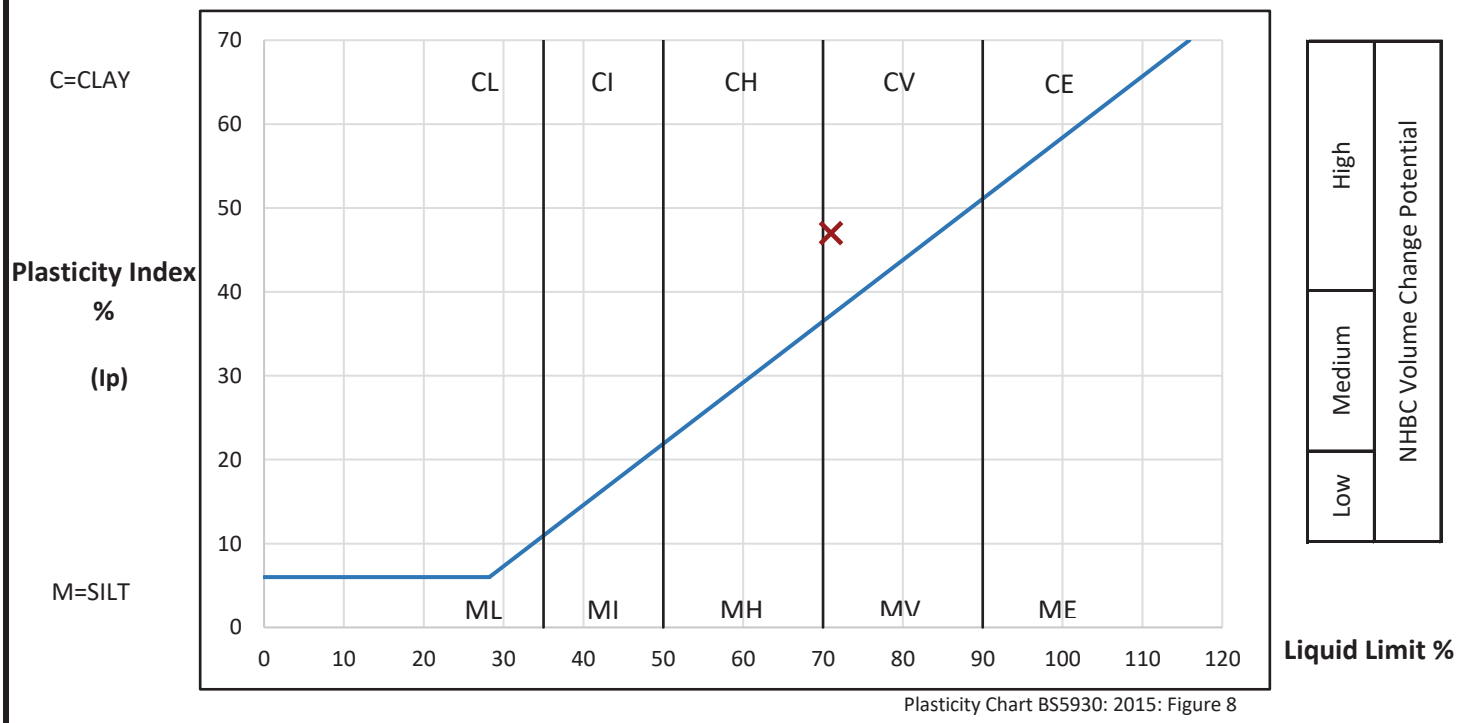
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH01	12.00 - 12.45	D	5	28.5	Firm dark grey CLAY.	

PREPARATION				Liquid Limit	71 %
Method of preparation			From natural	Plastic Limit	24 %
Sample retained 0.425mm sieve	(Assumed)		0 %	Plasticity Index	47 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.10
Sample retained 2mm sieve	(Assumed)		0 %	NHBC Modified (I'p)	n/a
Curing time	26 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

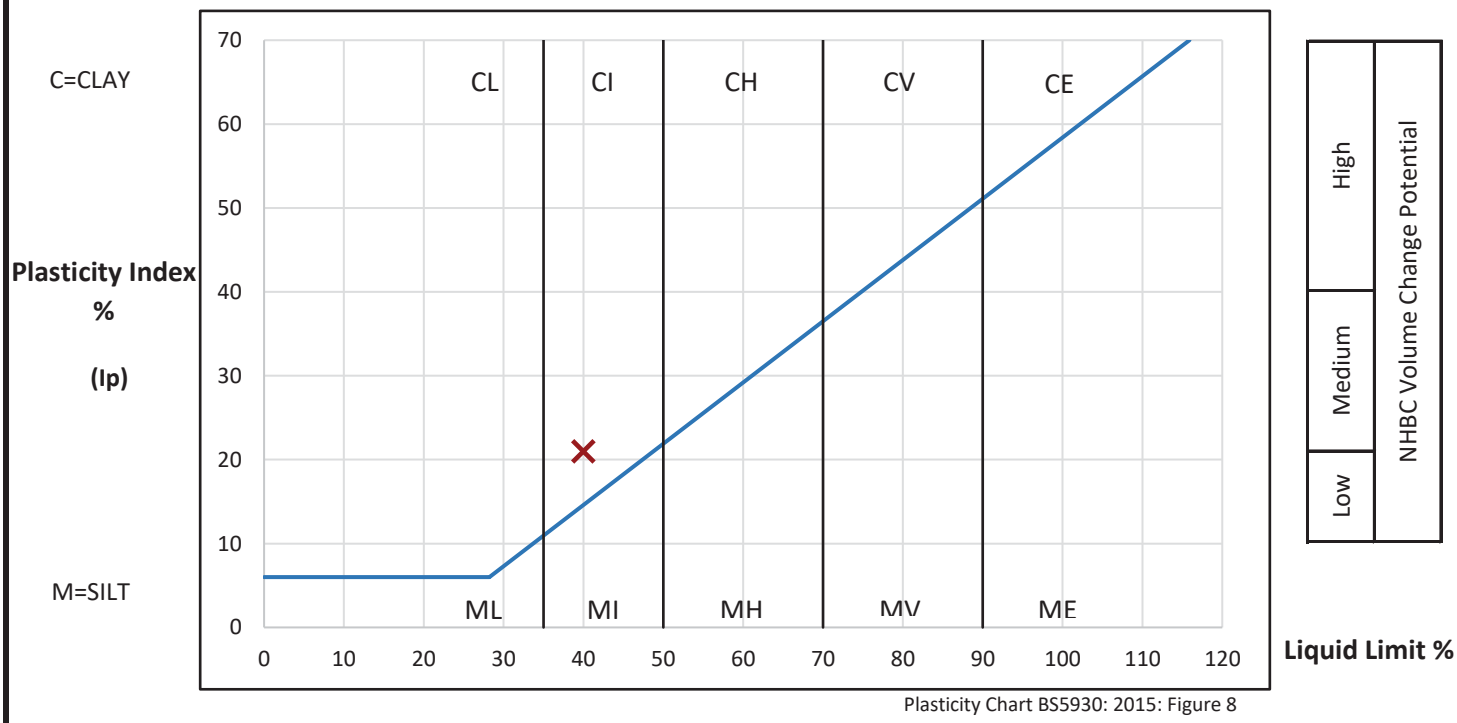
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH04	3.50 - 4.00	B	5	21.2	Very soft yellowish brown gravelly slightly sandy silty CLAY. Gravel is brown, black and white fine to coarse angular to rounded chert.	

PREPARATION				Liquid Limit	40 %
Method of preparation	Wet sieved over 0.425mm sieve			Plastic Limit	19 %
Sample retained 0.425mm sieve	(Measured)	48 %		Plasticity Index	21 %
Corrected water content for material passing 0.425mm		40.8 %		Liquidity Index	0.11
Sample retained 2mm sieve	(Measured)	45 %		NHBC Modified (I'p)	11 %
Curing time	24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

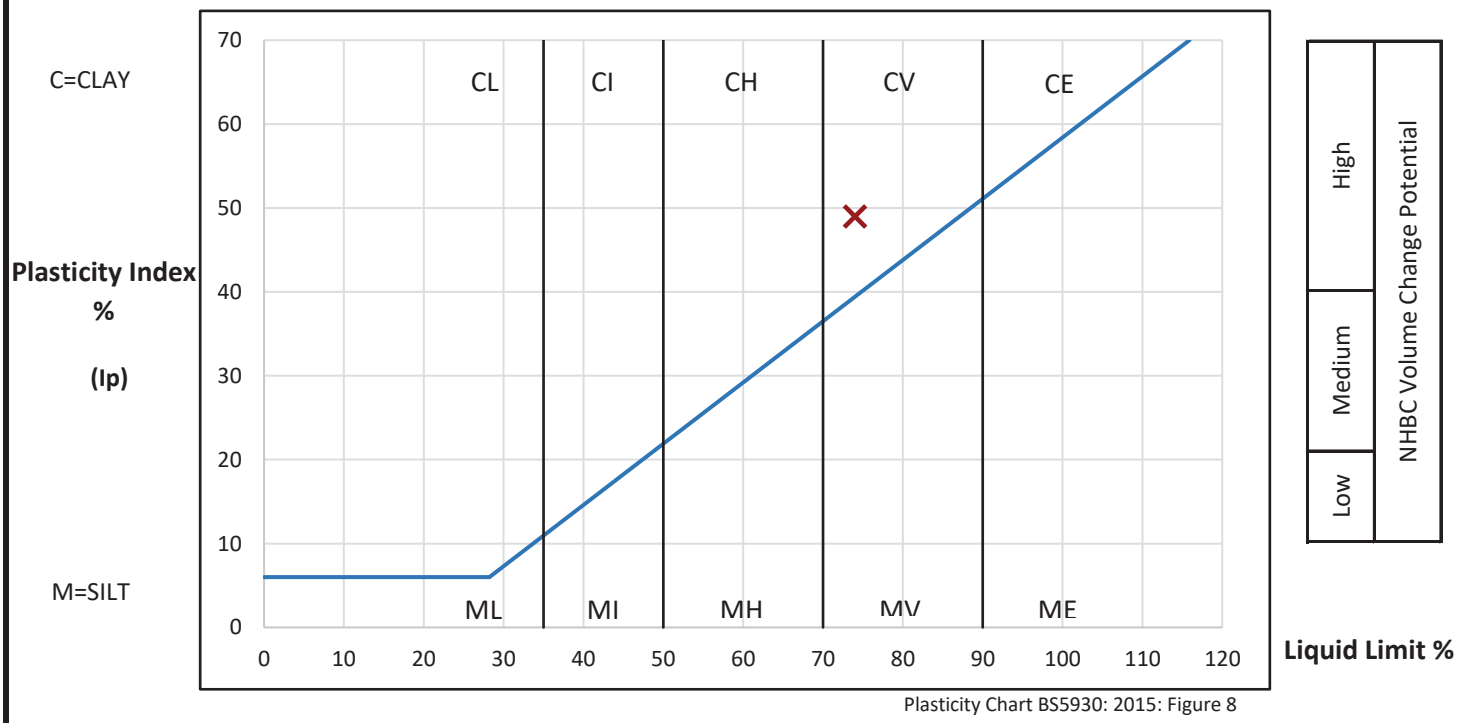
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH08	10.00 - 10.45	D	2	29.1	Stiff dark grey CLAY with rare silt partings.	

PREPARATION				Liquid Limit	74 %
Method of preparation		From natural		Plastic Limit	25 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	49 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.08
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	39 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

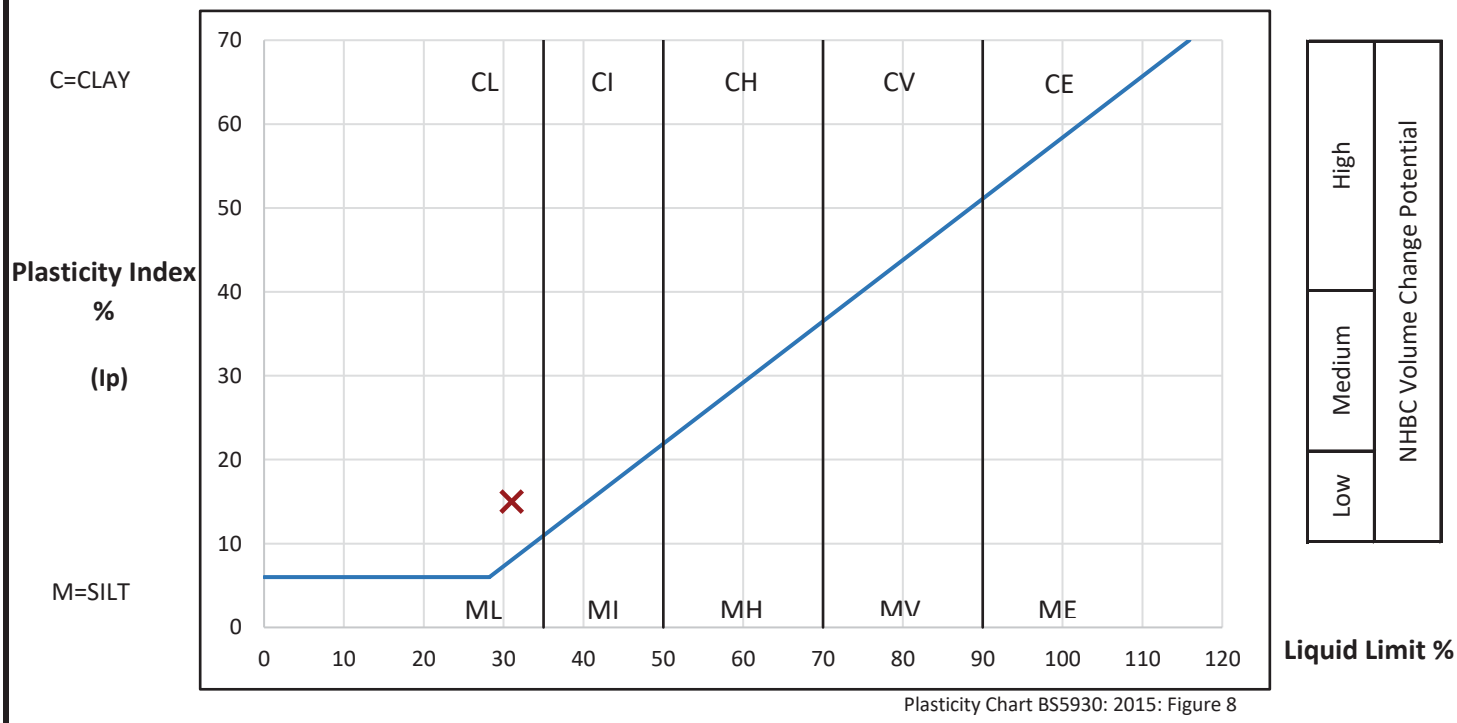
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH10	1.50 - 2.00	B	1	9.4	Brown, black and white fine to coarse angular to rounded chert GRAVEL with occasional chert cobbles, in a soft yellowish brown sandy clay matrix.	

PREPARATION				Liquid Limit	31 %
Method of preparation	Wet sieved over 0.425mm sieve			Plastic Limit	16 %
Sample retained 0.425mm sieve	(Measured)	71 %		Plasticity Index	15 %
Corrected water content for material passing 0.425mm		32.4 %		Liquidity Index	-0.44
Sample retained 2mm sieve	(Measured)	63 %		NHBC Modified (I'p)	4 %
Curing time	25 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

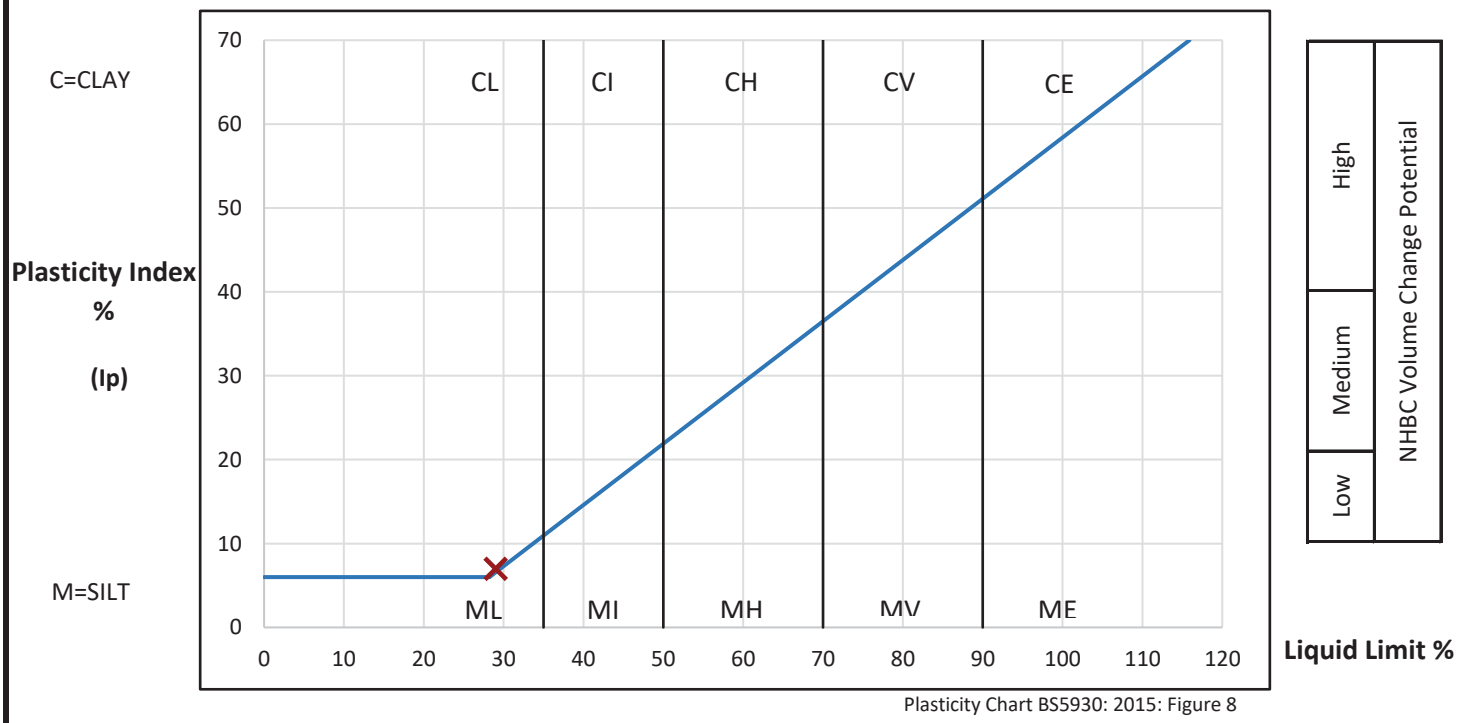
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH10	5.95 - 6.00	D	2	23.2	Greyish brown sandy SILT/CLAY with rare shell debris.	

PREPARATION				Liquid Limit	29 %
Method of preparation	Wet sieved over 0.425mm sieve			Plastic Limit	22 %
Sample retained 0.425mm sieve	(Measured)	0 %		Plasticity Index	7 %
Corrected water content for material passing 0.425mm	Not reported			Liquidity Index	0.17
Sample retained 2mm sieve	(Measured)	0 %		NHBC Modified (I'p)	7 %
Curing time	39 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

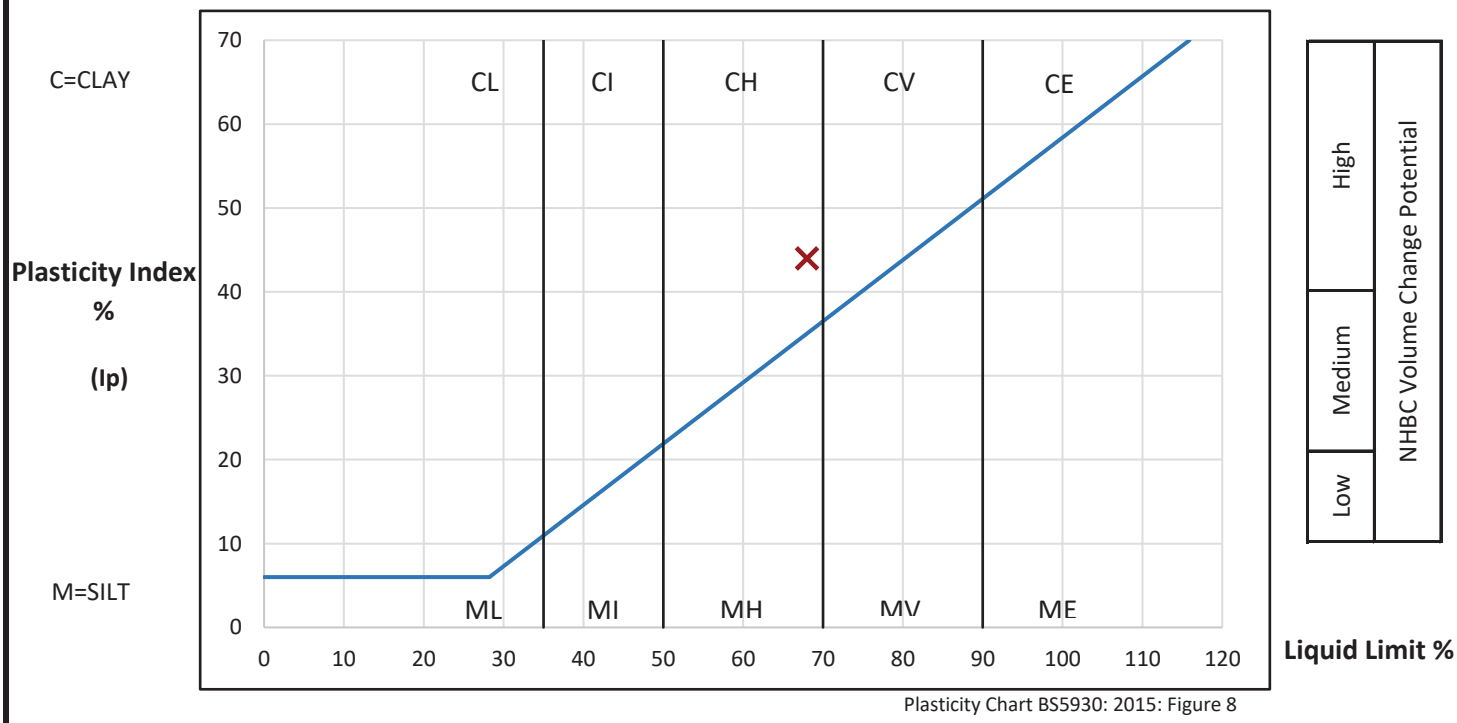
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH11	13.45 - 13.50	D	4	25.2	Stiff fissured dark grey CLAY.	

PREPARATION				Liquid Limit	68 %
Method of preparation		From natural		Plastic Limit	24 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	44 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.03
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	26 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

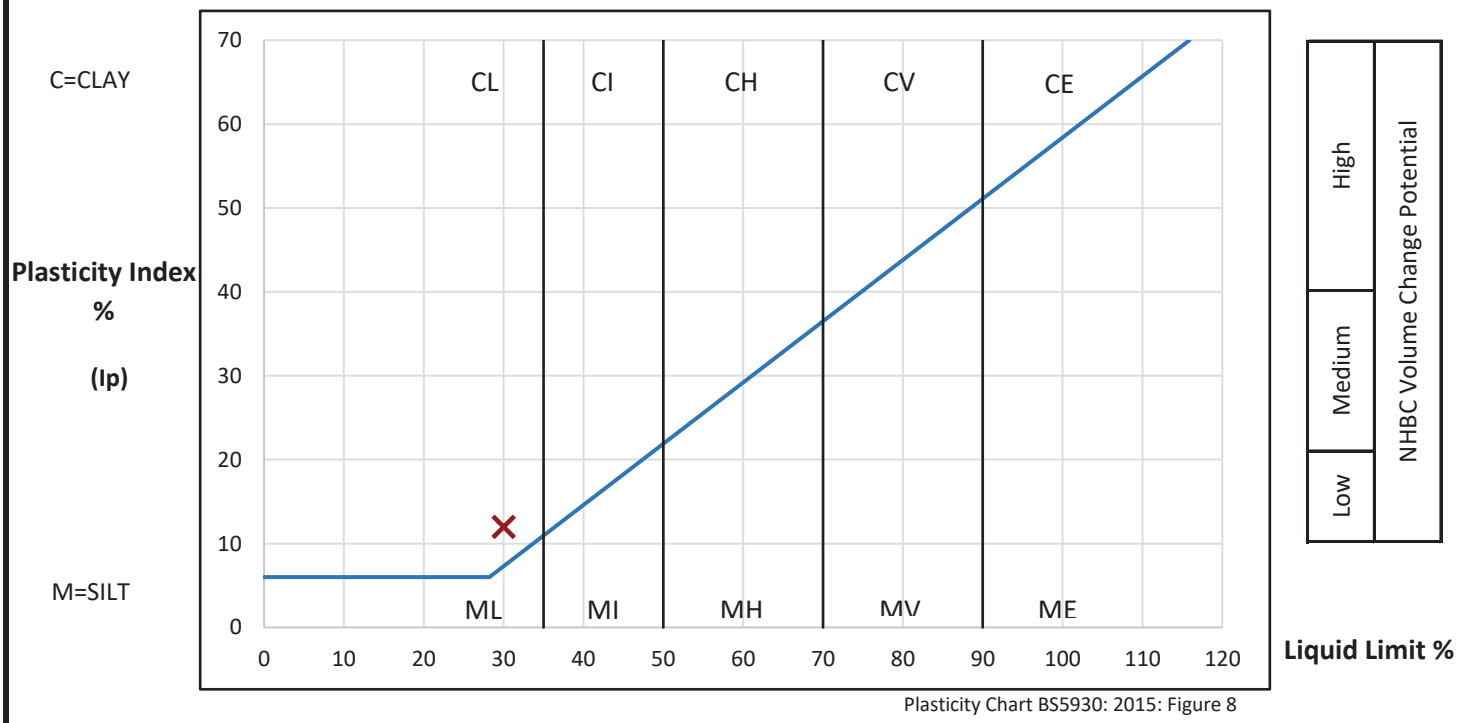
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH13	5.95 - 6.00	D	8	27.2	Very soft brown sandy silty CLAY with rare shell debris. Sand is fine.	

PREPARATION				Liquid Limit	30 %
Method of preparation		From natural		Plastic Limit	18 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	12 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.77
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	64 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

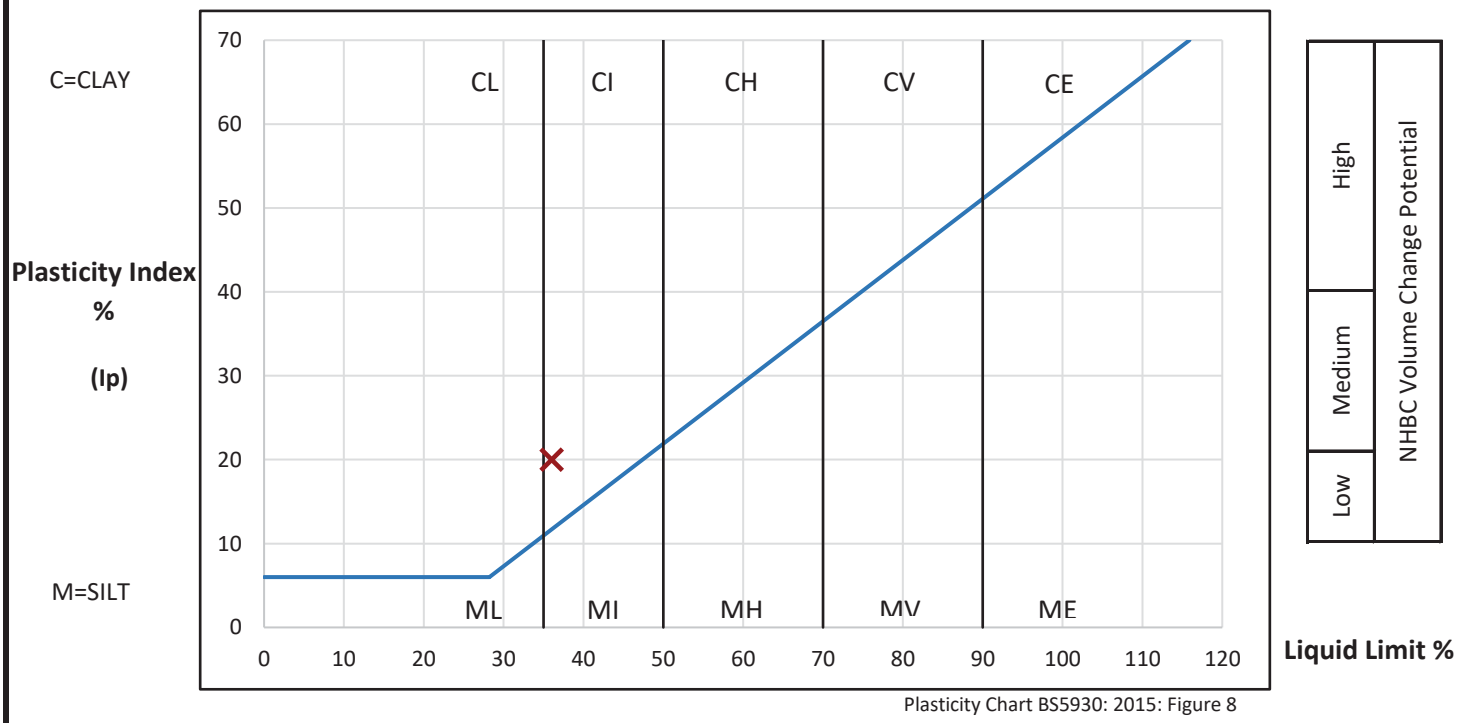
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH16	3.90 - 4.00	D	8	27.3	Very soft brownish yellow slightly gravelly sandy silty CLAY. Gravel is black and white fine to coarse angular to subangular chert. Sand is fine.	

PREPARATION				Liquid Limit	36 %
Method of preparation	Wet sieved over 0.425mm sieve			Plastic Limit	16 %
Sample retained 0.425mm sieve	(Measured)	11 %		Plasticity Index	20 %
Corrected water content for material passing 0.425mm		30.7 %		Liquidity Index	0.56
Sample retained 2mm sieve	(Measured)	10 %		NHBC Modified (I'p)	18 %
Curing time	14 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

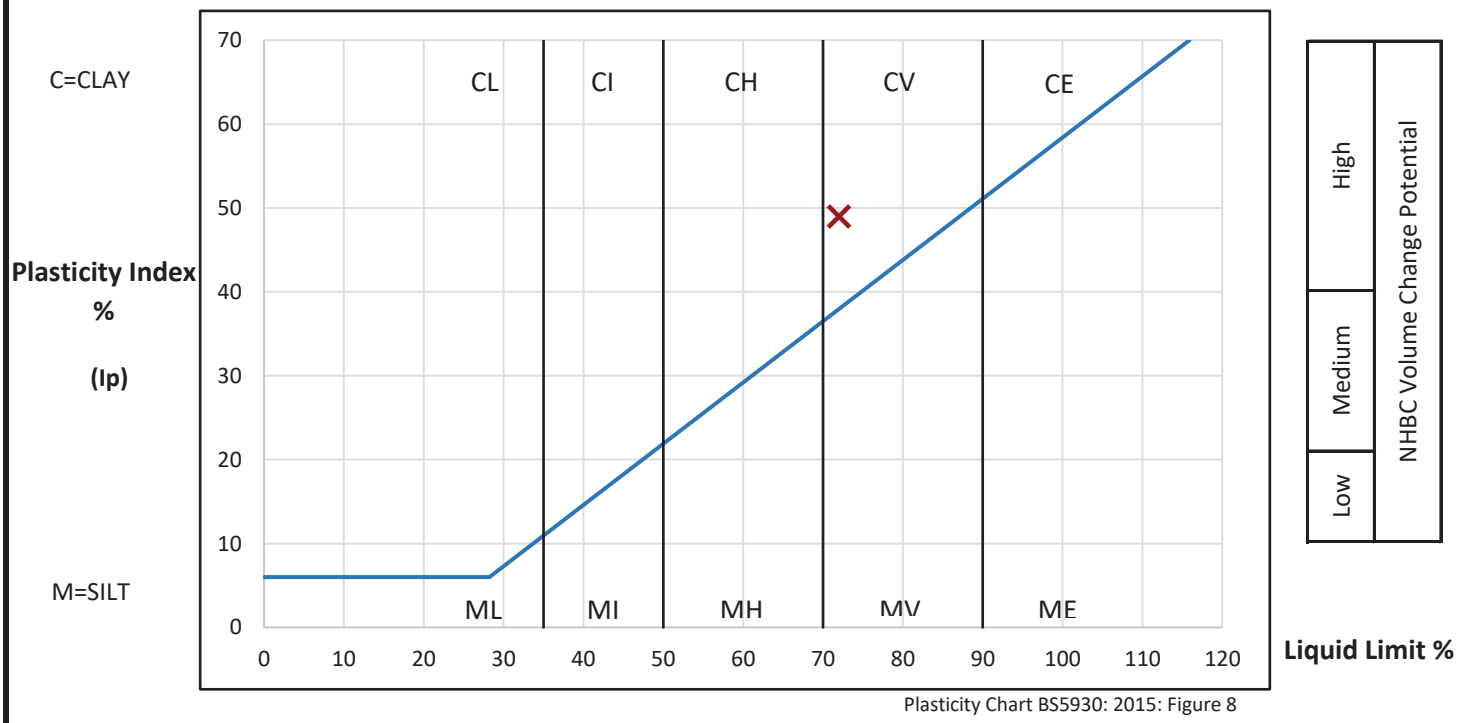
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample Type	Sample Reference	Water Content (W) %	Description	Remarks
BH16	9.95 - 10.00	D	20	30.7	Firm dark grey CLAY.	

PREPARATION				Liquid Limit	72 %
Method of preparation		From natural		Plastic Limit	23 %
Sample retained 0.425mm sieve	(Assumed)	0 %		Plasticity Index	49 %
Corrected water content for material passing 0.425mm				Liquidity Index	0.16
Sample retained 2mm sieve	(Assumed)	0 %		NHBC Modified (I'p)	n/a
Curing time	40 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Plasticity Chart BS5930: 2015: Figure 8

Method of Preparation:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
Method of Test:	BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

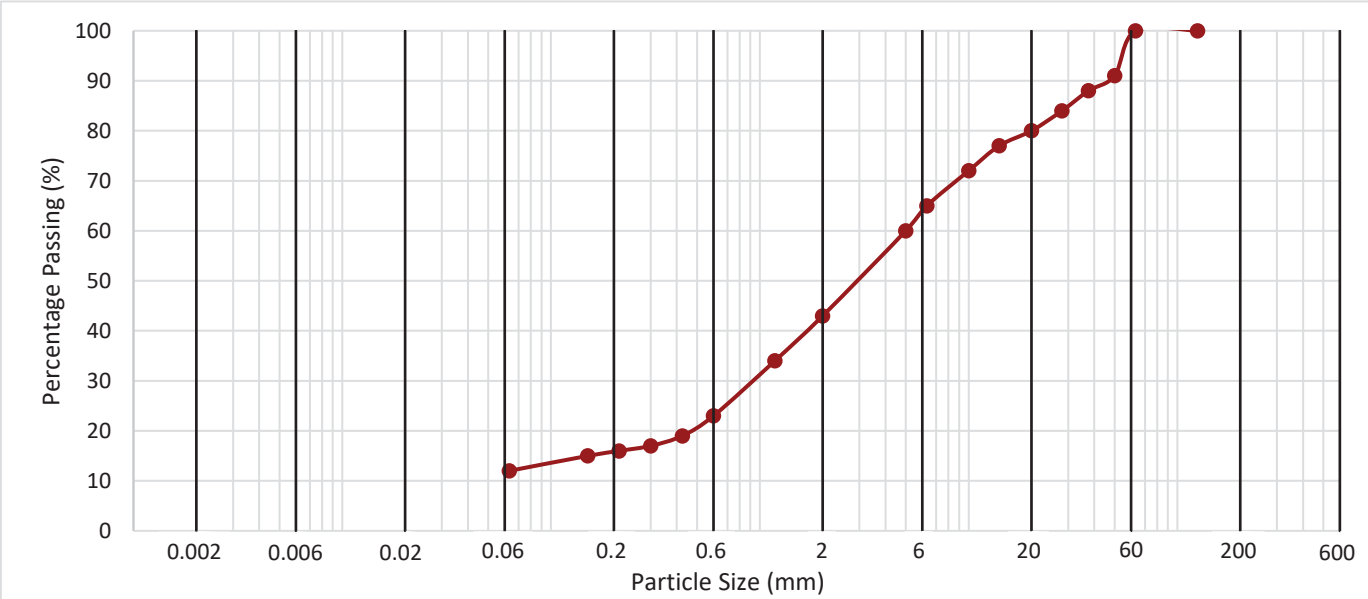
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH01	4.50 - 5.00	B	6	Black, white and brown chert very sandy silty GRAVEL with occasional firm grey clay lumps. Sand is olive brown.	Dry mass of sample required 15kg. Mass of sample submitted 5.712kg. Sample Unrepresentative BS1377:Part 2:1990 Table 3.

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
			Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	43	31
1.18	34	
0.600	23	
0.425	19	
0.300	17	
0.212	16	
0.150	15	
0.063	12	

Fines By Dry Mass (%)	
<0.063mm	12

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		57
125	100	
90	n/r*	
63	100	
50	91	
37.5	88	
28	84	
20	80	
14	77	
10	72	
6.3	65	
5	60	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

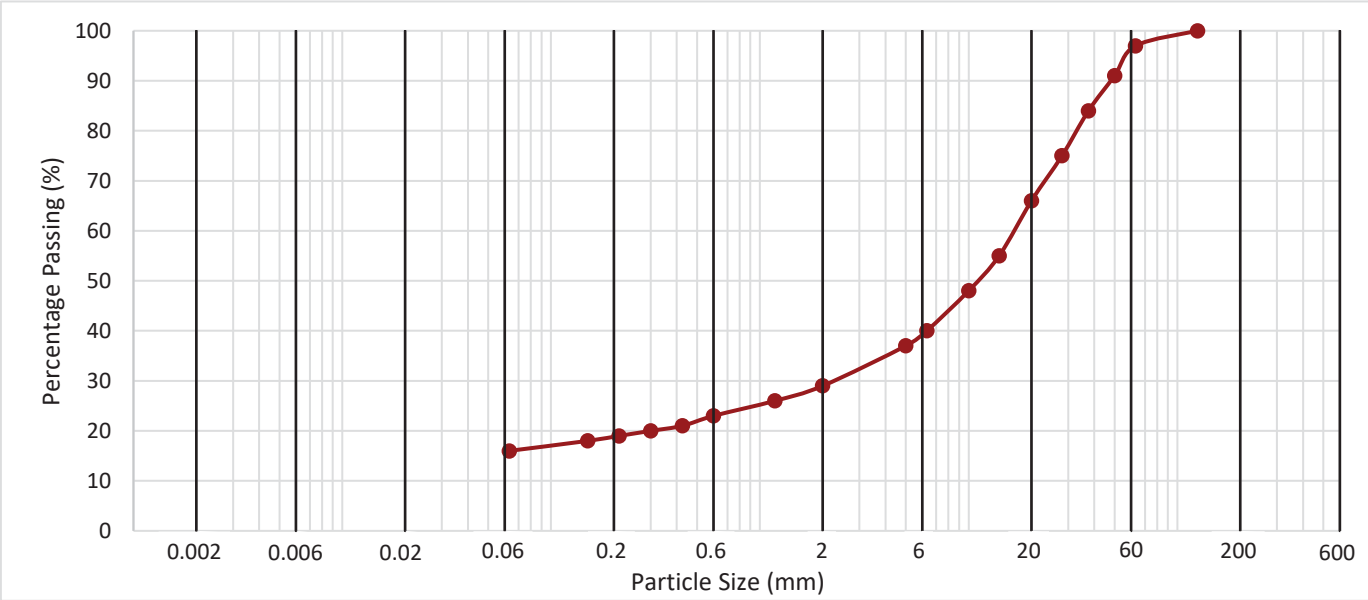
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH02	1.20 - 1.65	B	2	Brown, black, and white angular to subrounded chert, rare white subangular chalk, and concrete GRAVEL in a firm brown sandy clay matrix.	Dry mass of sample required 15kg. Mass of sample submitted 14.671kg. Sample Unrepresentative BS1377:Part 2:1990 Table 3.

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	**Silt by Dry Mass (%)**
			Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	**Sand By Dry Mass (%)**
2.00	29	**13**
1.18	26	
0.600	23	
0.425	21	
0.300	20	
0.212	19	
0.150	18	
0.063	16	

Fines By Dry Mass (%)	
<0.063mm	**16**

Sieve Size (mm)	Passing (%)	**2mm+ By Dry Mass (%)**
300		**71**
125	100	
90	n/r*	
63	97	
50	91	
37.5	84	
28	75	
20	66	
14	55	
10	48	
6.3	40	
5	37	

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test: BS1377: Part 2: 1990: 9.2
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments: *Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

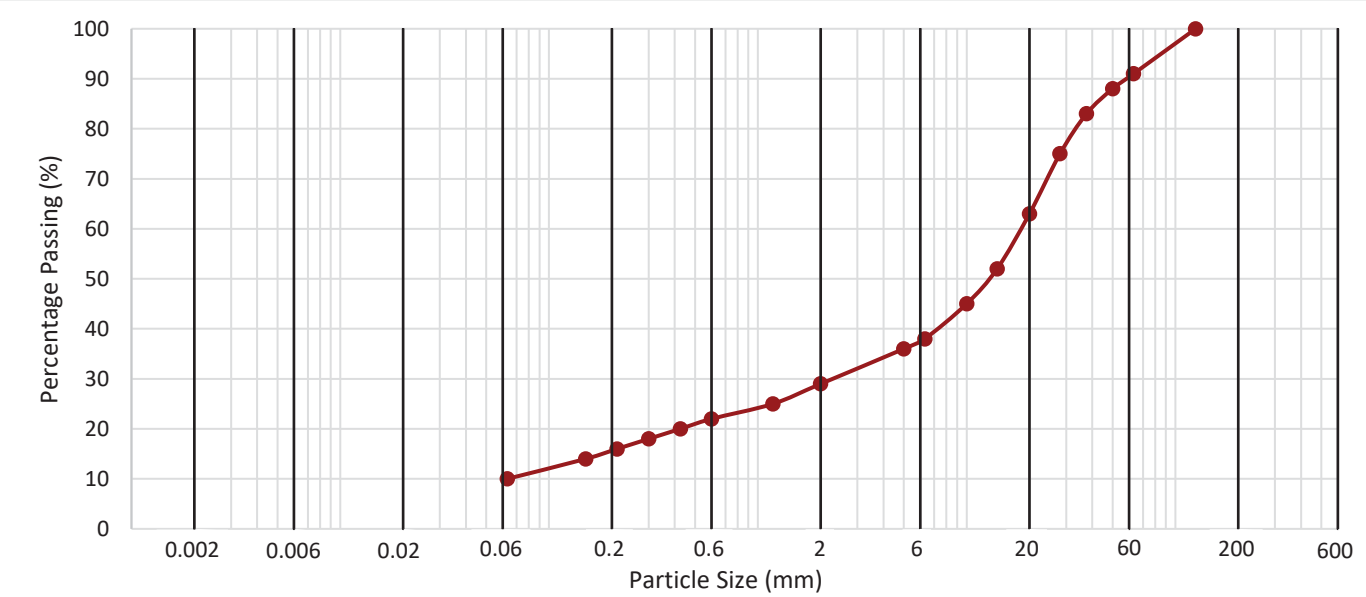
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH03	2.00 - 2.45	B	3	Black, white and brown angular to rounded chert, rare concrete, glass and brick GRAVEL with occasional firm brown sandy clay.	Dry mass of sample required 35kg. Mass of sample submitted 14.744kg. Sample Unrepresentative BS1377:Part 2:1990 Table 3.

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)	Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	29	19
1.18	25	
0.600	22	
0.425	20	
0.300	18	
0.212	16	
0.150	14	
0.063	10	

Fines By Dry Mass (%)	
<0.063mm	10

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		71
125	100	
90	n/r*	
63	91	
50	88	
37.5	83	
28	75	
20	63	
14	52	
10	45	
6.3	38	
5	36	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

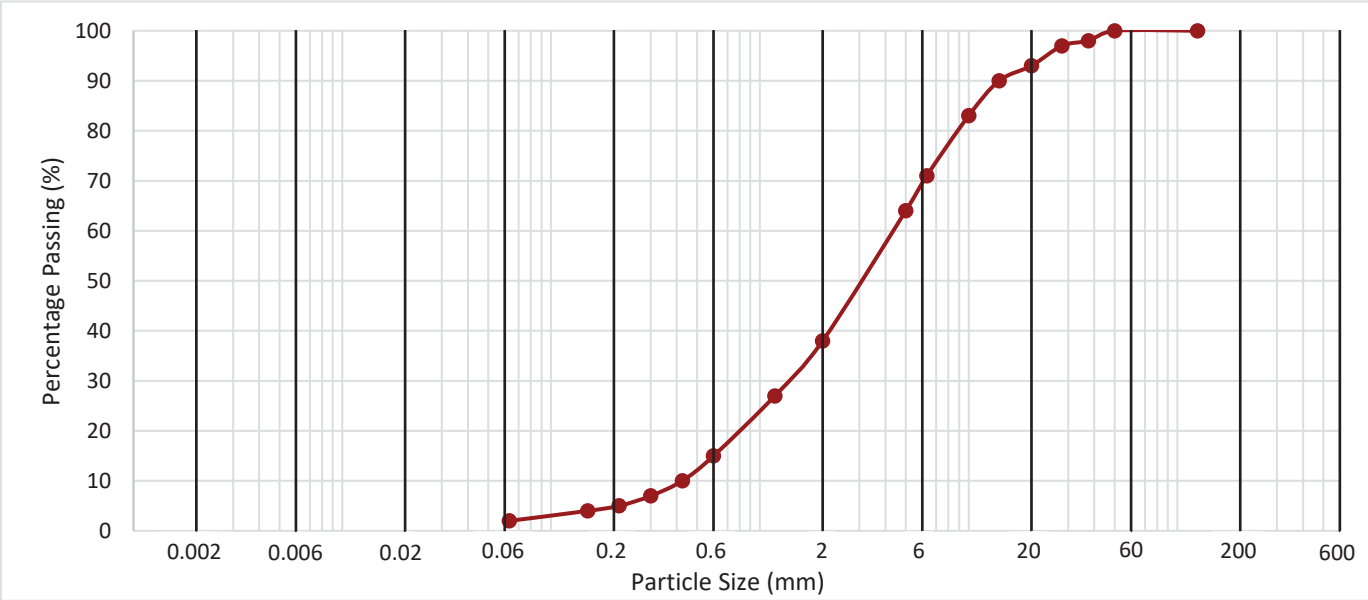
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH08	2.50 - 3.00	B	4	Black, brown and white angular to subrounded chert, white angular to subangular chalk, rare concrete, and brick very sandy slightly silty GRAVEL with rare soft brown clay lumps. Sand is pale yellow.	

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	**Silt by Dry Mass (%)**
			Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	**Sand By Dry Mass (%)**
2.00	38	**36**
1.18	27	
0.600	15	
0.425	10	
0.300	7	
0.212	5	
0.150	4	
0.063	2	

Fines By Dry Mass (%)	
<0.063mm	**2**

Sieve Size (mm)	Passing (%)	**2mm+ By Dry Mass (%)**
300		**62**
125	100	
90	n/r*	
63	n/r*	
50	100	
37.5	98	
28	97	
20	93	
14	90	
10	83	
6.3	71	
5	64	

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test: BS1377: Part 2: 1990: 9.2
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments: *Sieves not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

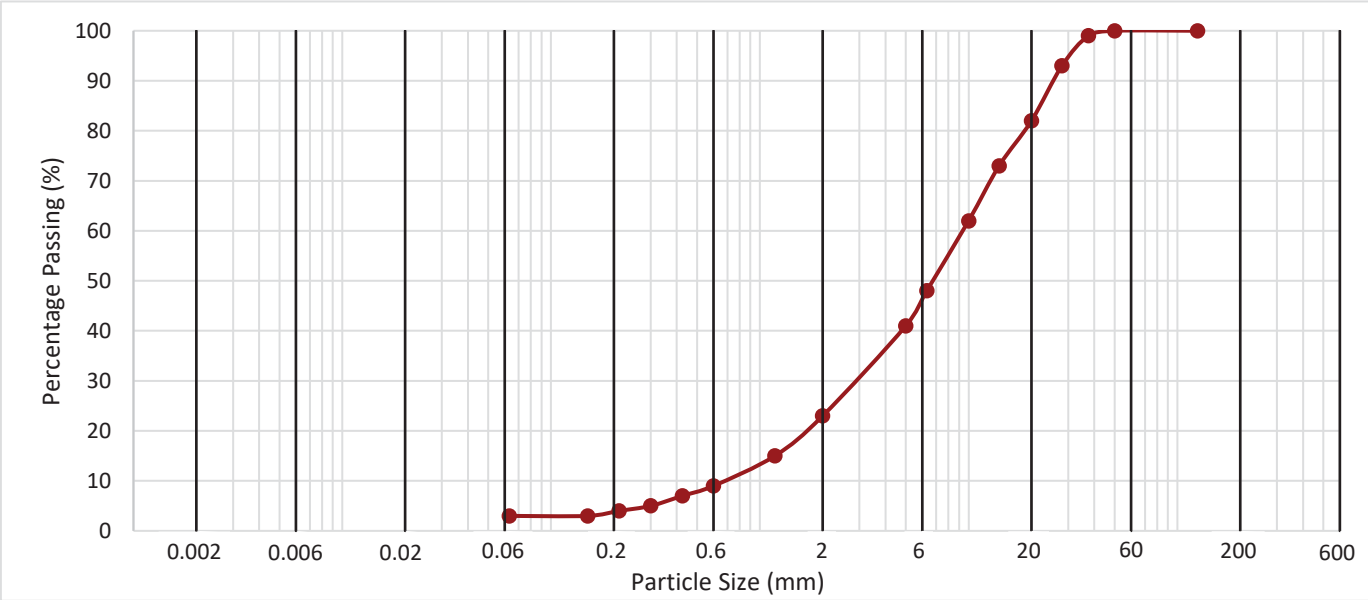
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH10	3.50 - 4.00	B	4	Brown, black and white angular to rounded sandy slightly silty GRAVEL. Sand is brown.	

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)	Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	23	20
1.18	15	
0.600	9	
0.425	7	
0.300	5	
0.212	4	
0.150	3	
0.063	3	

Fines By Dry Mass (%)	
<0.063mm	3

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		77
125	100	
90	n/r*	
63	n/r*	
50	100	
37.5	99	
28	93	
20	82	
14	73	
10	62	
6.3	48	
5	41	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieves not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

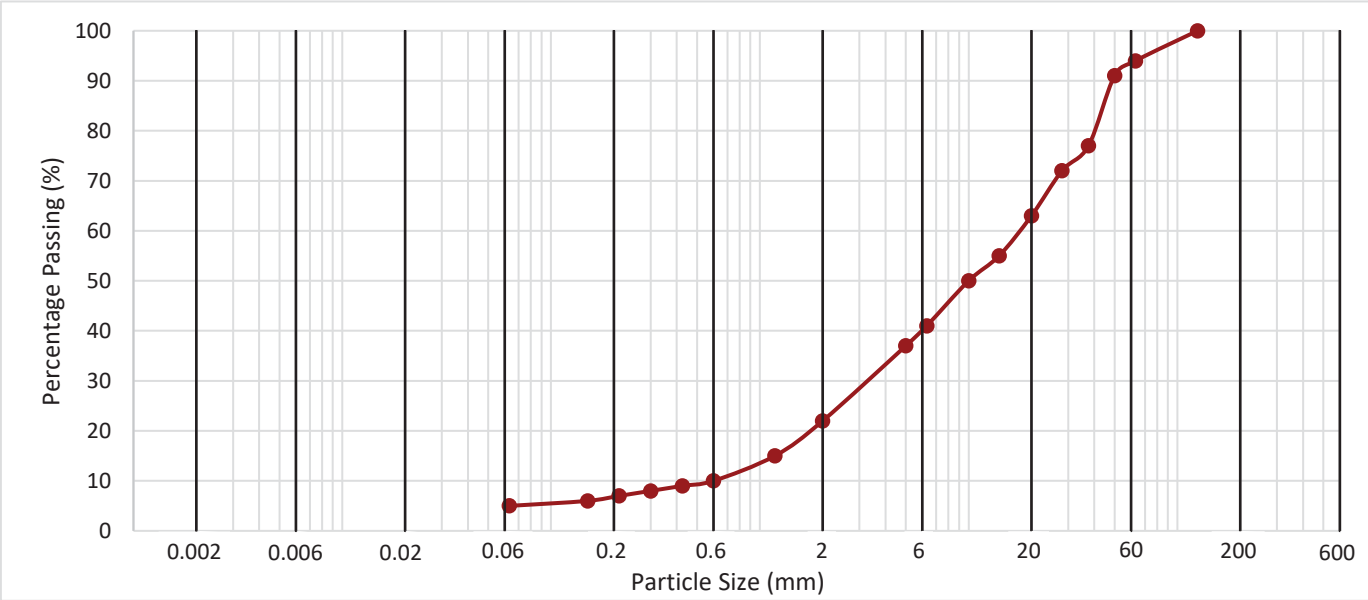
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH11	2.50 - 3.00	B	3	Black, white and brown angular to subrounded chert sandy slightly sandy slightly clayey GRAVEL. Sand is brown.	Dry mass of sample required 15kg. Mass of sample submitted 6.756kg. Sample Unrepresentative BS1377:Part 2:1990 Table 3.

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)	Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	22	17
1.18	15	
0.600	10	
0.425	9	
0.300	8	
0.212	7	
0.150	6	
0.063	5	

Fines By Dry Mass (%)	
<0.063mm	5

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		78
125	100	
90	n/r*	
63	94	
50	91	
37.5	77	
28	72	
20	63	
14	55	
10	50	
6.3	41	
5	37	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

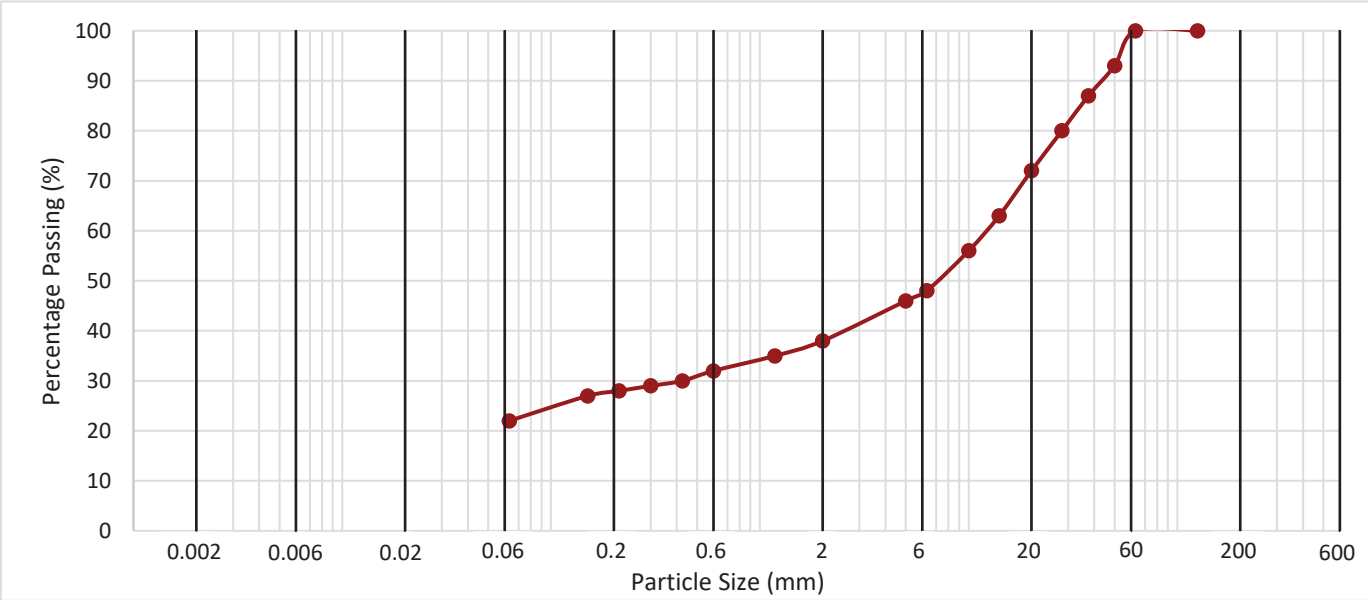
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH12	1.10 - 2.00	B	2	Black, white and brown angular to rounded chert GRAVEL in a firm brown and dark brown sandy clay matrix.	Dry mass of sample required 15kg. Mass of sample submitted 9.44kg. Sample Unrepresentative BS1377:Part 2:1990 Table 3.

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)	Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	38	16
1.18	35	
0.600	32	
0.425	30	
0.300	29	
0.212	28	
0.150	27	
0.063	22	

Fines By Dry Mass (%)	
<0.063mm	22

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		62
125	100	
90	n/r*	
63	100	
50	93	
37.5	87	
28	80	
20	72	
14	63	
10	56	
6.3	48	
5	46	

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test: BS1377: Part 2: 1990: 9.2
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments: *Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

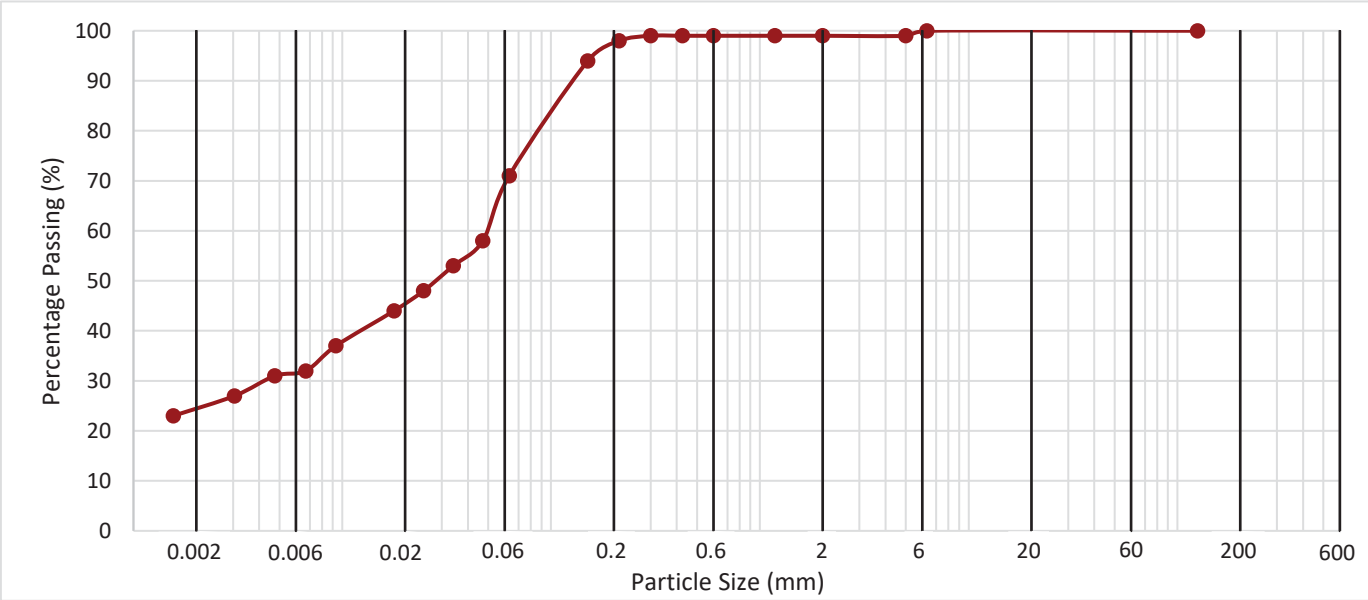
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH12	6.20	B	8	Very soft greyish brown slightly sandy silty slightly organic CLAY with occasional grey mottling, and rare gravel.	

Method of Test:	Hydrometer + Pre-sieve	Method of Pretreatment:	Tested from natural - pretreatment for organics not carried out



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
	0.0471	58	**47**
	0.0340	53	
	0.0245	48	
	0.0177	44	**Clay by Dry Mass (%)**
	0.0093	37	
	0.0067	32	
	0.0048	31	**24**
	0.0031	27	
	0.0016	23	

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	99	**28**
1.18	99	
0.600	99	
0.425	99	
0.300	99	
0.212	98	
0.150	94	
0.063	71	

Fines By Dry Mass (%)	
<0.063mm	**71**

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		**1**
125	100	
90	n/r*	
63	n/r*	
50	n/r*	
37.5	n/r*	
28	n/r*	
20	n/r*	
14	n/r*	
10	n/r*	
6.3	100	
5	99	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2,9.5
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieves not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

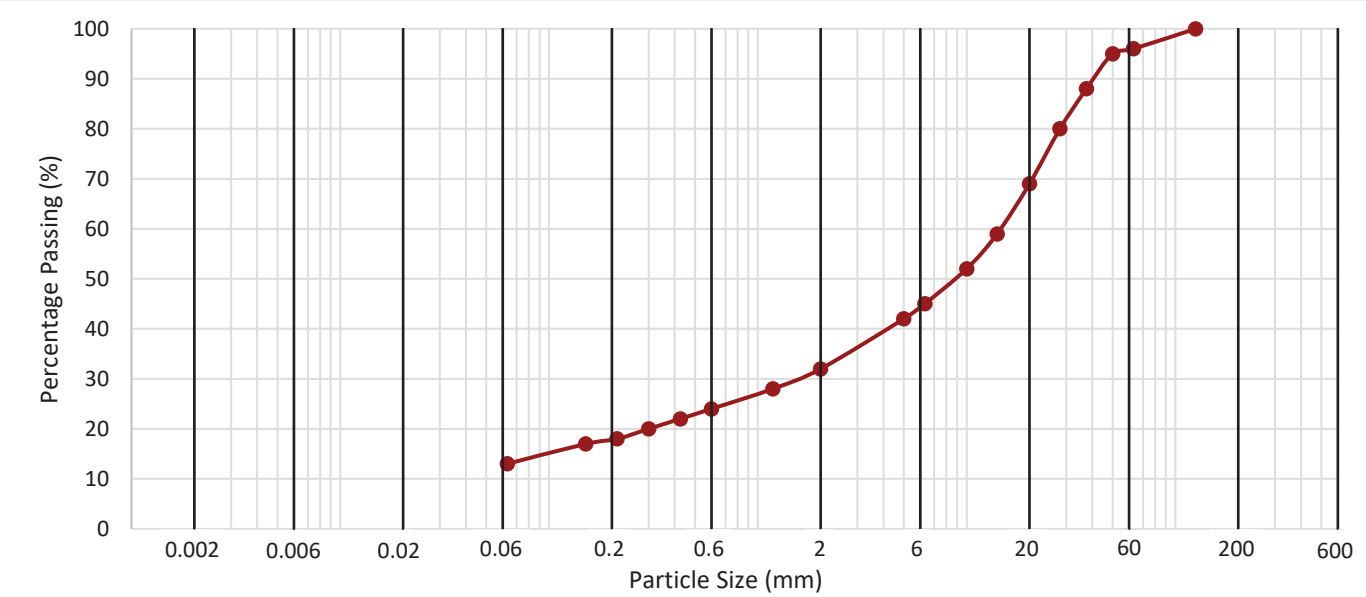
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH13	2.00 - 2.45	B	3	Black, white and brown angular to rounded chert GRAVEL in a soft brown sandy clay matrix.	

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer

Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)	Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	32	19
1.18	28	
0.600	24	
0.425	22	
0.300	20	
0.212	18	
0.150	17	
0.063	13	

Fines By Dry Mass (%)	
<0.063mm	13

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		68
125	100	
90	n/r*	
63	96	
50	95	
37.5	88	
28	80	
20	69	
14	59	
10	52	
6.3	45	
5	42	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieve not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

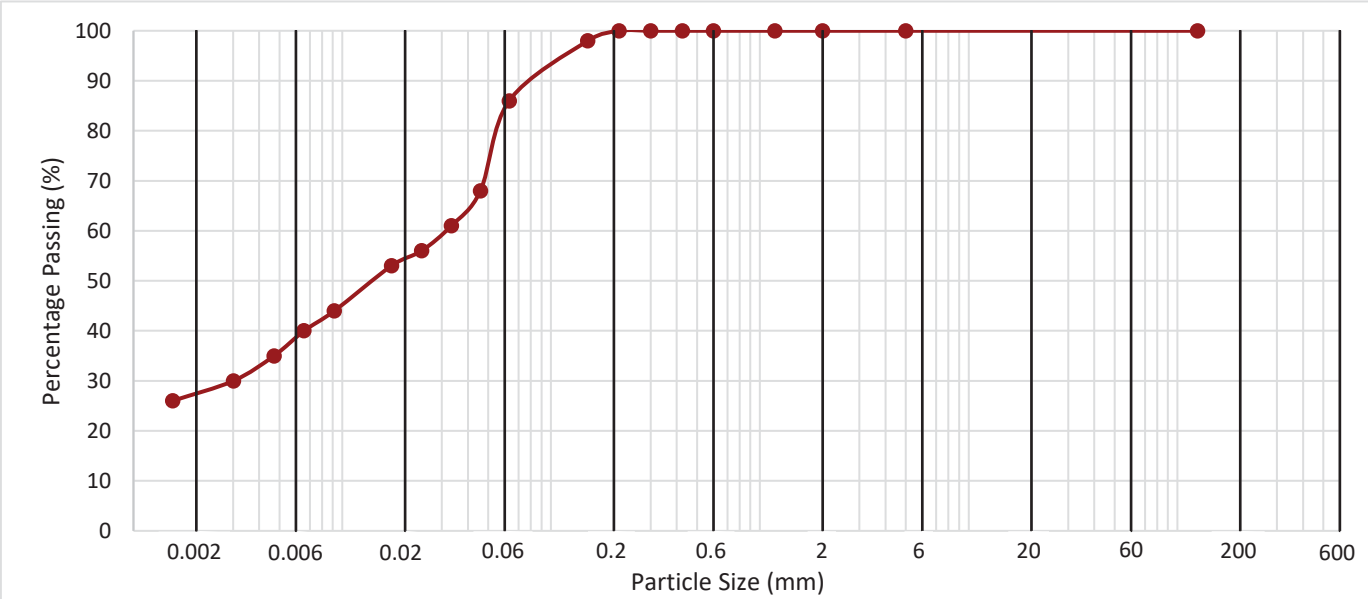
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH16	6.95 - 7.00	D	14	Very soft slightly sandy silty slightly organic CLAY with occasional grey mottling.	

Method of Test:	Hydrometer + Pre-sieve	Method of Pretreatment:	Tested from natural - pretreatment for organics not carried out



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer

Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
0.0459	68	58
0.0333	61	
0.0240	56	
0.0172	53	Clay by Dry Mass (%)
0.0092	44	
0.0066	40	
0.0047	35	28
0.0030	30	
0.0015	26	

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	100	14
1.18	100	
0.600	100	
0.425	100	
0.300	100	
0.212	100	
0.150	98	
0.063	86	

Fines By Dry Mass (%)	
<0.063mm	86

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		0
125	100	
90	n/r*	
63	n/r*	
50	n/r*	
37.5	n/r*	
28	n/r*	
20	n/r*	
14	n/r*	
10	n/r*	
6.3	n/r*	
5	100	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2,9.5
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieves not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

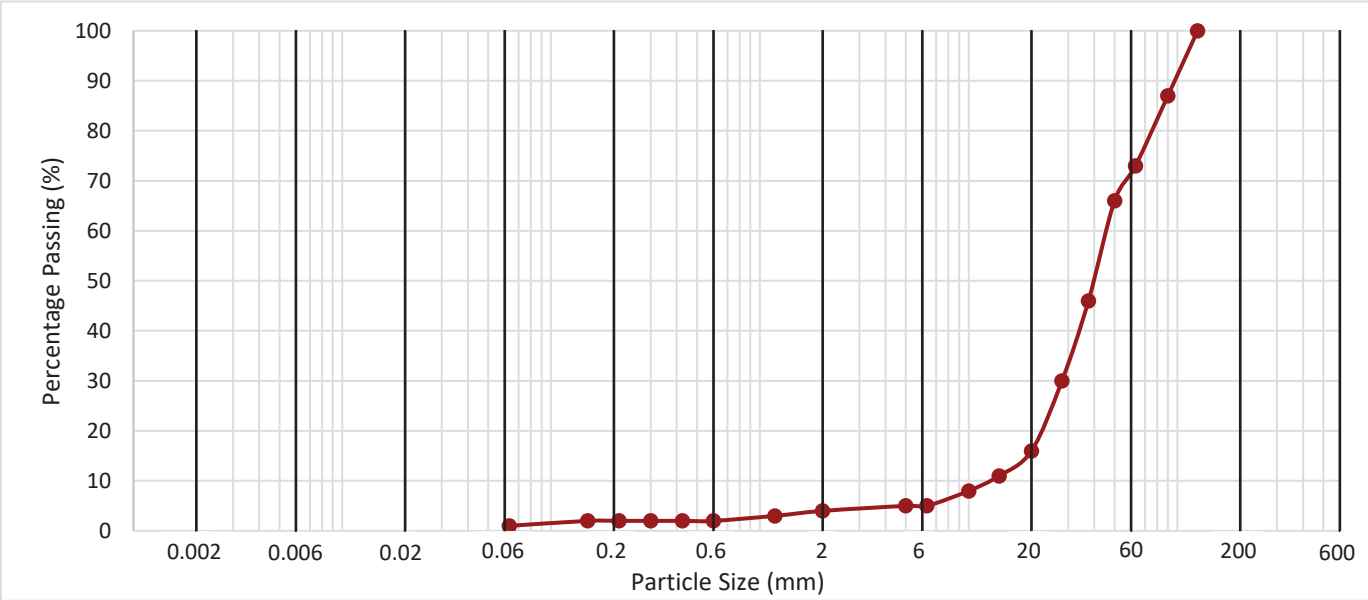
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH17	3.50 - 4.00	B	6	Black, white and brown angular to rounded chert, and rare brick, concrete, and brick slightly sandy slightly clayey GRAVEL. Sand is brown.	

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	**Silt by Dry Mass (%)**
			Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	**Sand By Dry Mass (%)**
2.00	4	**3**
1.18	3	
0.600	2	
0.425	2	
0.300	2	
0.212	2	
0.150	2	
0.063	1	

Fines By Dry Mass (%)	
<0.063mm	**1**

Sieve Size (mm)	Passing (%)	**2mm+ By Dry Mass (%)**
300		**96**
125	100	
90	87	
63	73	
50	66	
37.5	46	
28	30	
20	16	
14	11	
10	8	
6.3	5	
5	5	

Method of Preparation: BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test: BS1377: Part 2: 1990: 9.2
Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

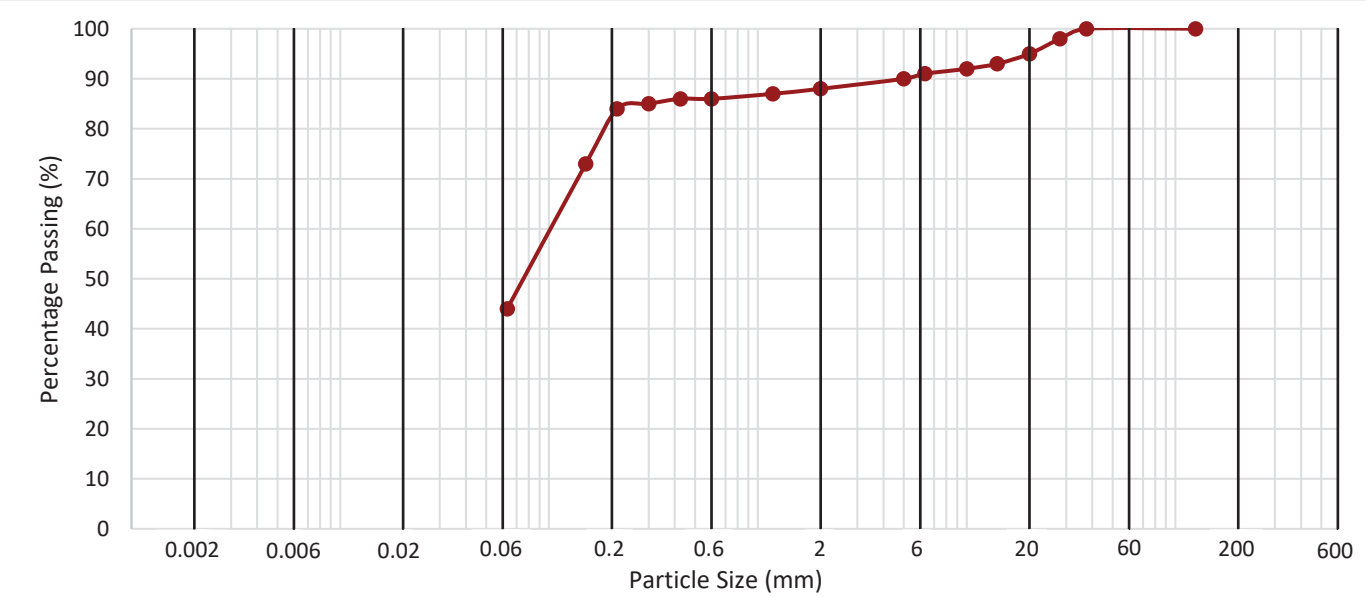
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Borehole / Pit No.	Depth (m)	Sample Type	Sample Reference	Description	Remarks
BH17	6.95 - 7.00	D	11	Very soft brown slightly gravelly sandy organic CLAY with occasional very soft brown clay pockets, and shell fragments. Gravel is white, black and brown angular chert.	

Method of Test:	Wet Sieve	Method of Pretreatment:	Not required



CLAY	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Hydrometer	Particle Size (mm)	Passing (%)	Silt by Dry Mass (%)
			Clay by Dry Mass (%)

Sieve Size (mm)	Passing (%)	Sand By Dry Mass (%)
2.00	88	44
1.18	87	
0.600	86	
0.425	86	
0.300	85	
0.212	84	
0.150	73	
0.063	44	

Fines By Dry Mass (%)	
<0.063mm	44

Sieve Size (mm)	Passing (%)	2mm+ By Dry Mass (%)
300		12
125	100	
90	n/r*	
63	n/r*	
50	n/r*	
37.5	100	
28	98	
20	95	
14	93	
10	92	
6.3	91	
5	90	

Method of Preparation:	BS1377: Part 1: 2016: 8.3 & 8.4.5
Method of test:	BS1377: Part 2: 1990: 9.2
Type of Sample Key:	U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
Comments:	*Sieves not required to be representative of this material type

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF DENSITY, WATER CONTENT AND UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASURMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)	Lateral Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	Mohrs Circle Analysis		Description
										Cu (kPa)	Ø degrees	
BH02	9.02	U	17	26.0	2.03	1.61	181	208	104			Stiff (high strength) dark greyish brown calcareous CLAY.
BH03	5.05	U	9	24.4	2.06	1.66	99	93	47			Firm (medium strength) light greyish brown calcareous CLAY with occasional light grey mottling.
BH03	12.06	U	23	26.2	2.00	1.58	242	292	146			Stiff (high strength) dark greyish brown CLAY with rare shell fragments.
BH04	11.61	U	1	25.2	2.03	1.62	230	153	77			Stiff (high strength) slightly fissured greyish brown CLAY locally silty with occasional olive grey mottling
BH04	19.14	U	3	26.8	2.03	1.60	380	342	171			Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets
BH08	8.56	U	1	27.6	2.00	1.57	171	187	94			Stiff (high strength) fissured dark greyish brown CLAY with occasional dark grey mottling.
BH08	14.52	U	3	24.6	2.02	1.62	291	277	139			Stiff (high strength) fissured dark greyish brown CLAY with rare dark grey mottling.

Method of Preparation:	BS 1377: Part 1: 1990: 7.4.2 & 8, Part 2: 1990: 7.2, Part 7: 1990: 8.3
Method of Test:	BS 1377: Part 2: 1990:3 Determination of Moisture Content, Part2: 1990:7 Determination of Density, Part 7: 1990: 8 Undrained Shear Strenth, 9 Multistage Loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF DENSITY, WATER CONTENT AND UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASURMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)	Lateral Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	Mohrs Circle Analysis Cu (kPa)	Mohrs Circle Analysis Ø degrees	Description
BH10	5.63	U	1	28.8	2.08	1.61	111 215 330	28 37 40	14 19 20	11	1.6	Light olive brown slightly clayey sandy SILT with rare shell debris
BH10	14.68	U	3	26.0	2.04	1.62	291	143	72			Firm (medium strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling
BH11	13.14	U	2	24.3	2.04	1.64	260	265	133			Stiff (high strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling
BH11	17.68	U	3	23.7	2.03	1.64	349	310	155			Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets
BH12	7.05	U	1	28.9	1.96	1.52	141	128	64			Firm (medium strength) fissured dark greyish brown CLAY with occasional dark grey mottling.
BH12	10.05	U	2	25.2	1.95	1.56	204	115	58			Firm (medium strength) fissured dark greyish brown CLAY with occasional greyish brown, rare dark grey mottling, and shell and fossil debris.
BH13	12.02	U	18	26.7	2.03	1.60	242	262	131			Stiff (high strength) fissured dark greyish brown calcareous CLAY with rare dark grey mottling.

Method of Preparation:	BS 1377: Part 1: 1990: 7.4.2 & 8, Part 2: 1990: 7.2, Part 7: 1990: 8.3
Method of Test:	BS 1377: Part 2: 1990:3 Determination of Moisture Content, Part2: 1990:7 Determination of Density, Part 7: 1990: 8 Undrained Shear Strenth, 9 Multistage Loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF DENSITY, WATER CONTENT AND UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASURMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)	Lateral Pressure (kPa)	Deviator Stress (kPa)	Shear Stress (kPa)	Mohrs Circle Analysis		Description
										Cu (kPa)	Ø degrees	
BH16	5.14	U	11	25.5	2.07	1.65	102	101	51			Firm (medium strength) greyish brown slightly sandy calcareous CLAY with occasional light grey and light brownish grey mottling, rare orange staining, and gravel.
BH16	12.11	U	24	26.4	2.00	1.58	241	173	87			Stiff (high strength) fissured dark greyish brown CLAY with occasional dark grey mottling, and rare fossil and shell debris.
BH17	12.12	U	20	24.9	2.02	1.62	244	249	125			Stiff (high strength) fissured friable calcareous CLAY with occasional dark grey mottling, and rare shell and fossil debris.

Method of Preparation:	BS 1377: Part 1: 1990: 7.4.2 & 8, Part 2: 1990: 7.2, Part 7: 1990: 8.3
Method of Test:	BS 1377: Part 2: 1990:3 Determination of Moisture Content, Part2: 1990:7 Determination of Density, Part 7: 1990: 8 Undrained Shear Strenth, 9 Multistage Loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

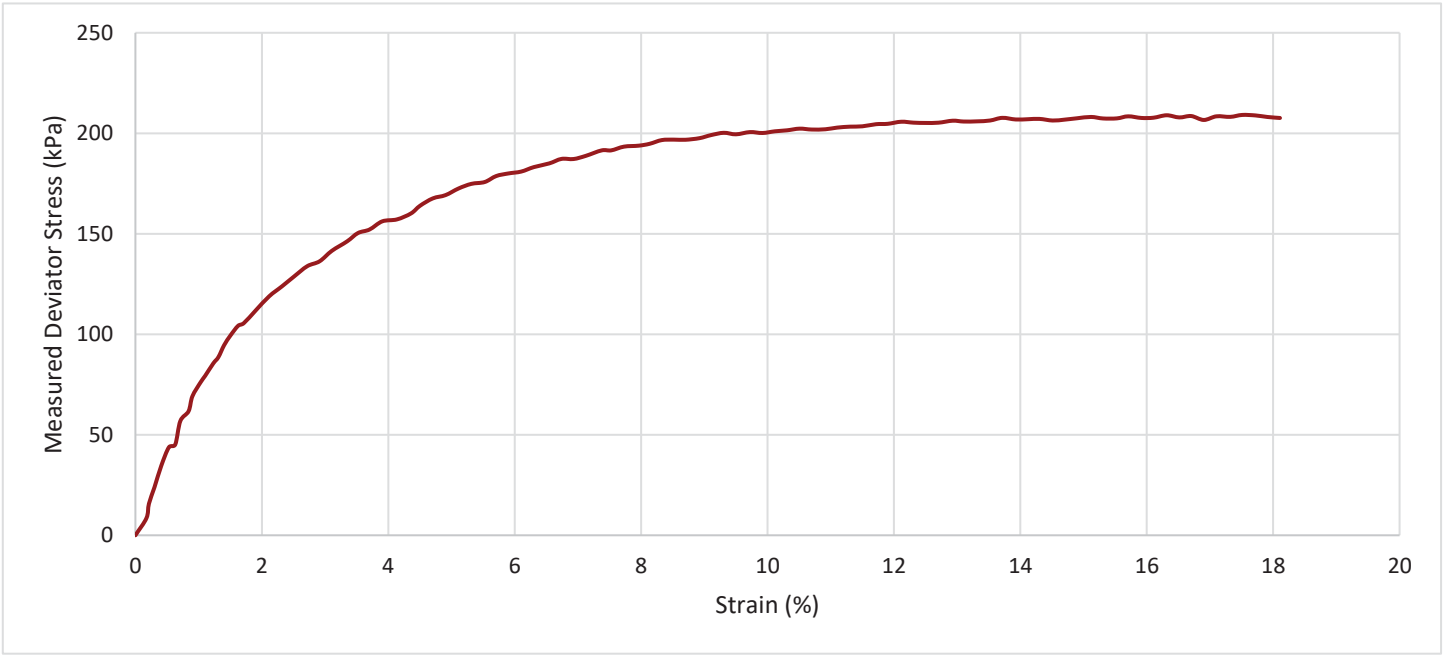
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH02	9.00 - 9.45	U	17	Stiff (high strength) dark greyish brown calcareous CLAY.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 9.02	134.5	103.1	2283	26.0	2.03	1.61

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	181	17.5	1.0	\	208	104		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

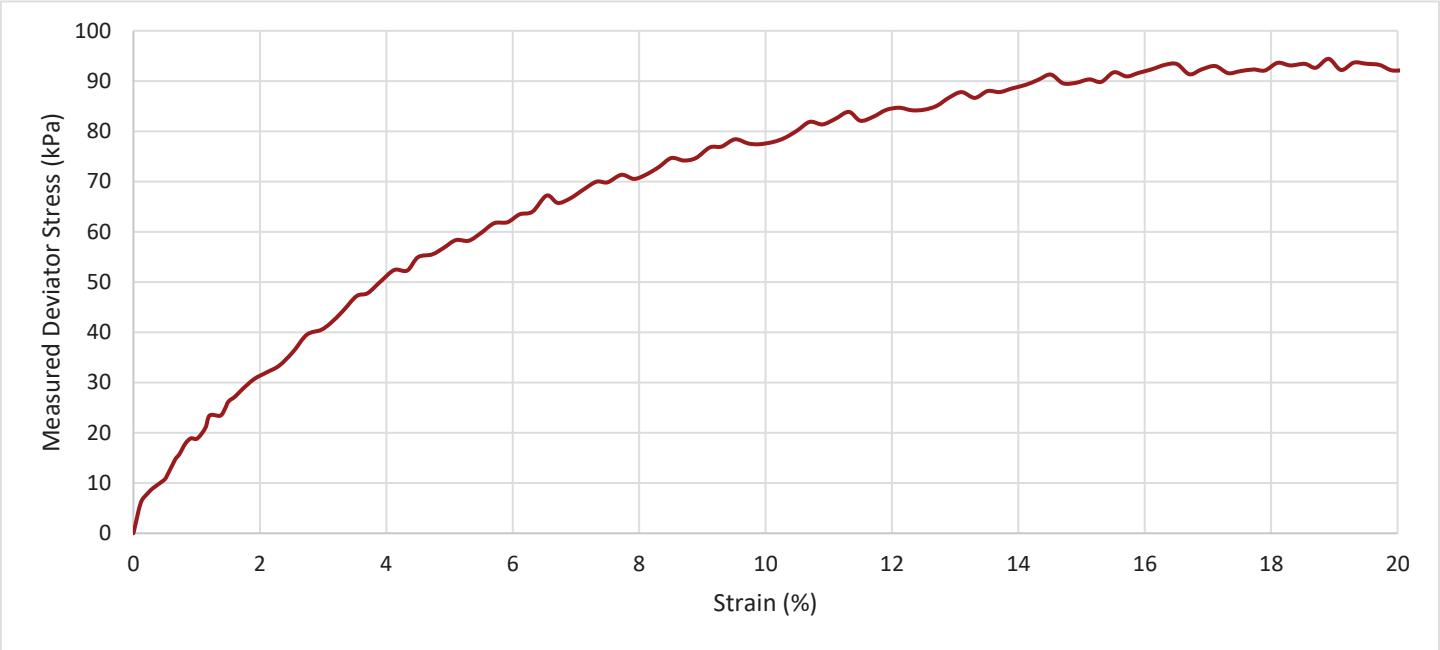
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH03	5.00 - 5.45	U	9	Firm (medium strength) light greyish brown calcareous CLAY with occasional light grey mottling.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 5.05	199.7	102.9	3428	24.4	2.06	1.66

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	99	18.9	1.1	\	93	47		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

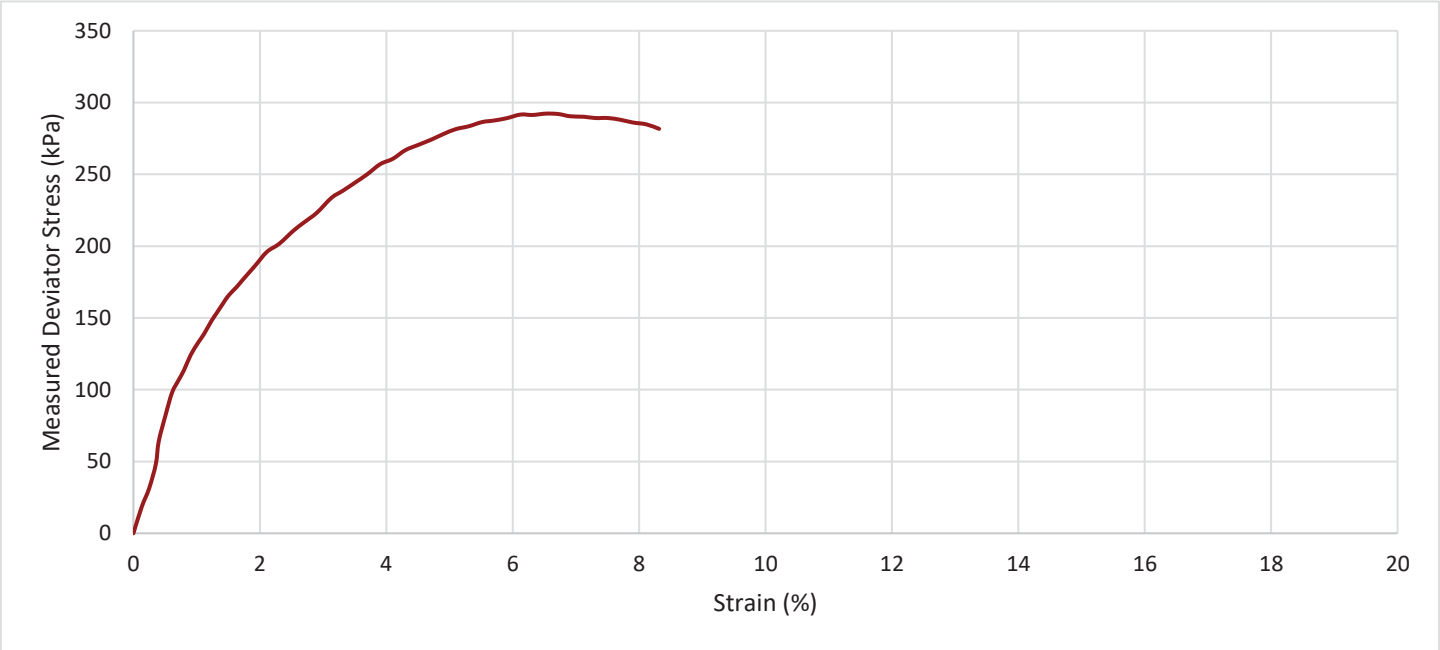
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH03	12.00 - 12.45	U	23	Stiff (high strength) dark greyish brown CLAY with rare shell fragments.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 12.06	199.4	103.8	3370	26.2	2.00	1.58

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	242	6.5	0.5	\	292	146		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

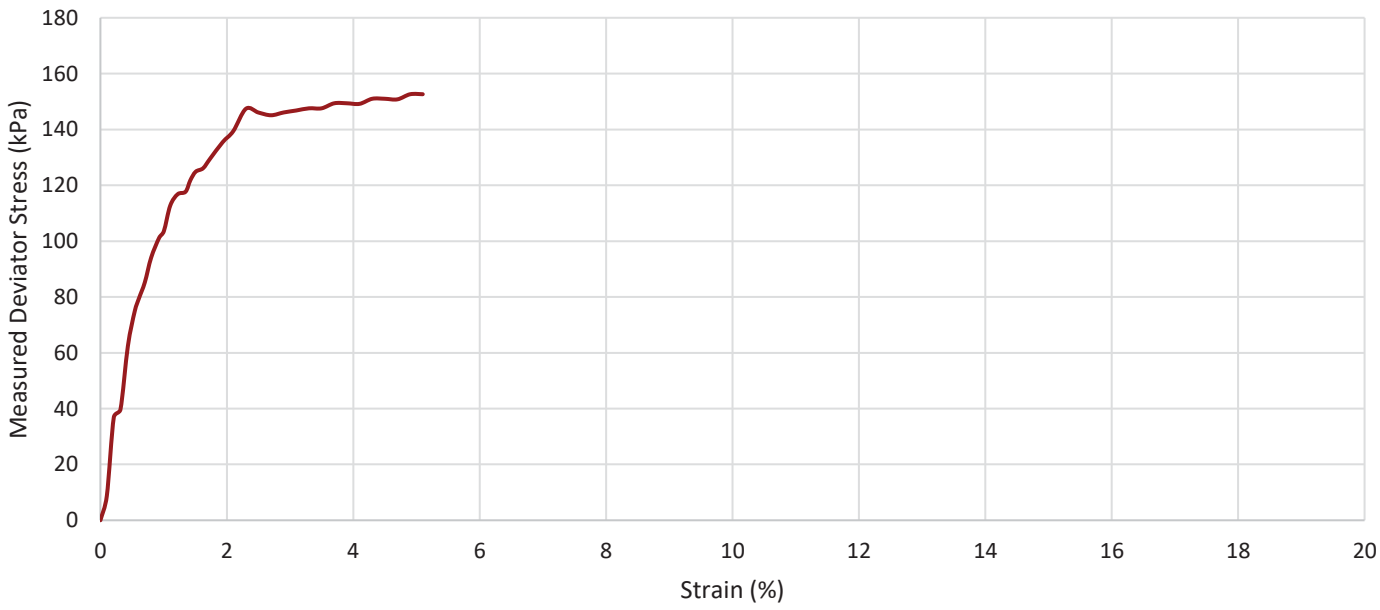
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH04	11.50 - 11.95	U	1	Stiff (high strength) slightly fissured greyish brown CLAY locally silty with occasional olive grey mottling	Premature failure at 4.9% strain.

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 11.61	155.2	102.5	2599	25.2	2.03	1.62

TEST INFORMATION — Rate of Strain 1.8 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	230	4.9	0.4	\	153	77		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

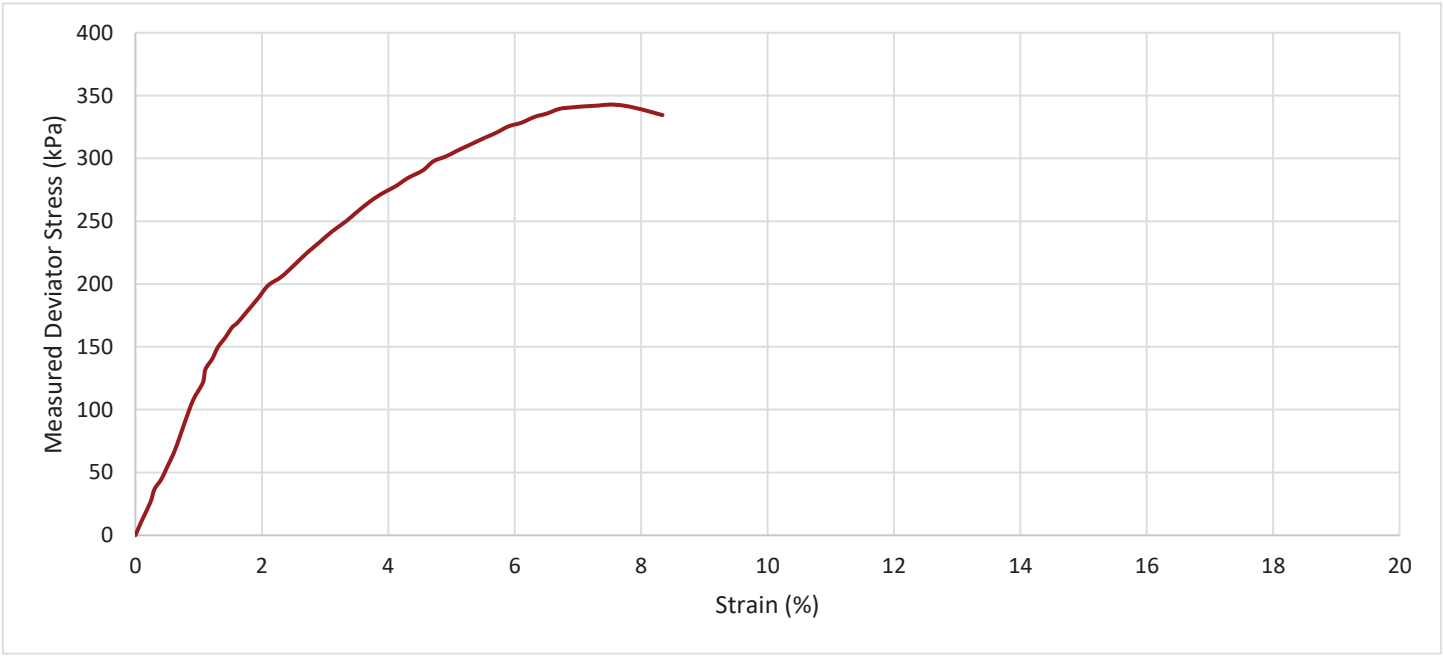
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH04	19.00 - 19.45	U	3	Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 19.14	199.0	102.7	3341	26.8	2.03	1.60

TEST INFORMATION	Rate of Strain	0.9	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	380	7.5	0.5	\	342	171		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

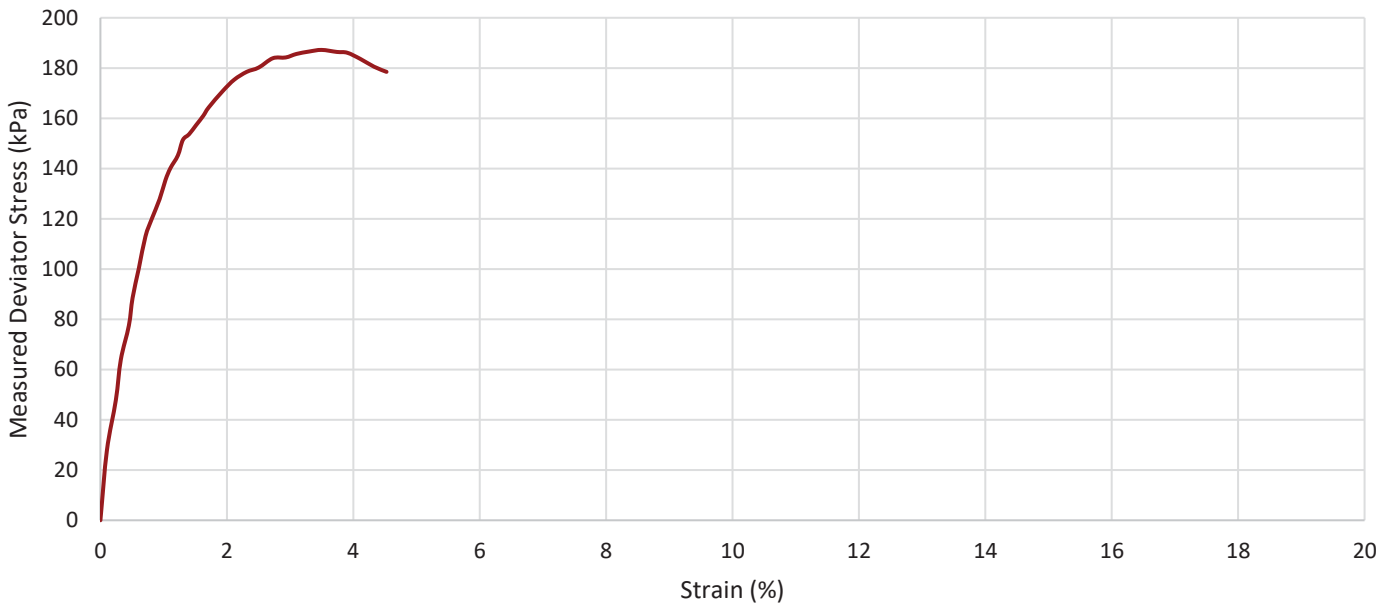
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH08	8.50 - 8.95	U	1	Stiff (high strength) fissured dark greyish brown CLAY with occasional dark grey mottling.	Premature failure at 3.5% strain.

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 8.56	199.3	102.8	3306	27.6	2.00	1.57

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	171	3.5	0.3	\	187	94		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

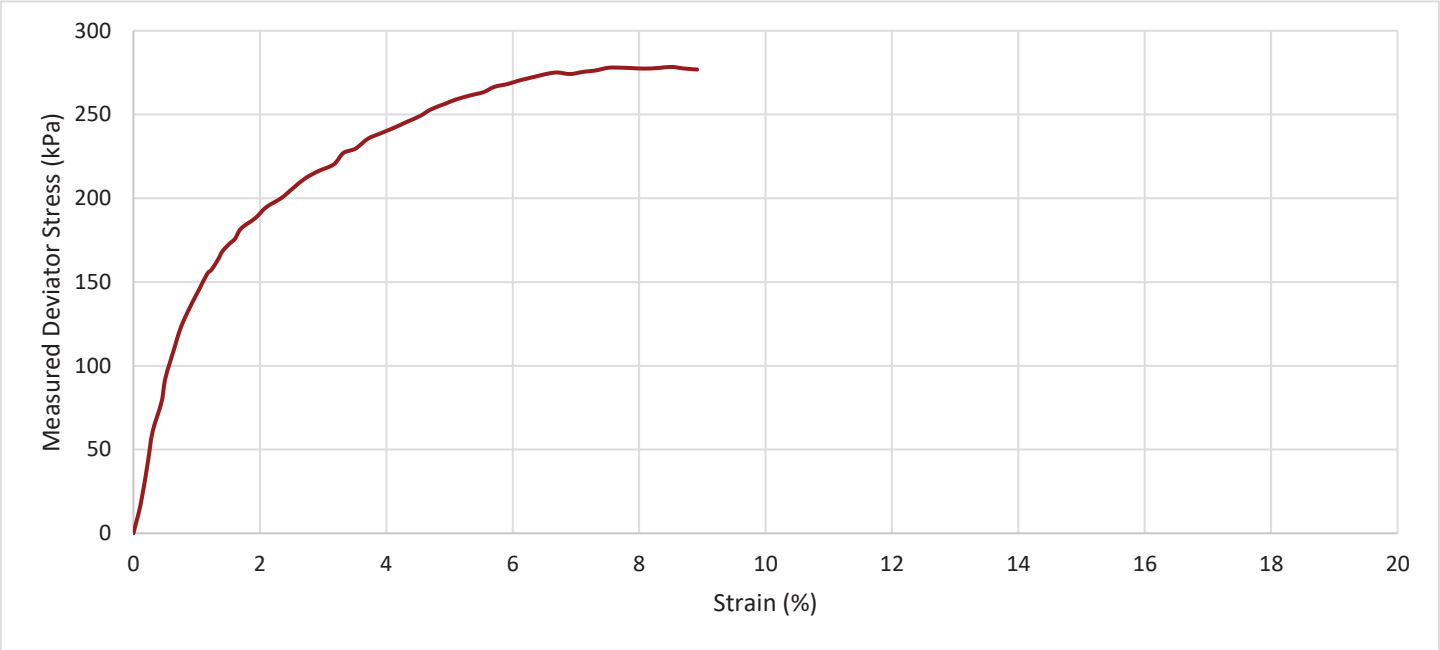
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH08	14.50 - 14.95	U	3	Stiff (high strength) fissured dark greyish brown CLAY with rare dark grey mottling.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 14.52	199.4	102.8	3345	24.6	2.02	1.62

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	291	8.5	0.6	\	277	139		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

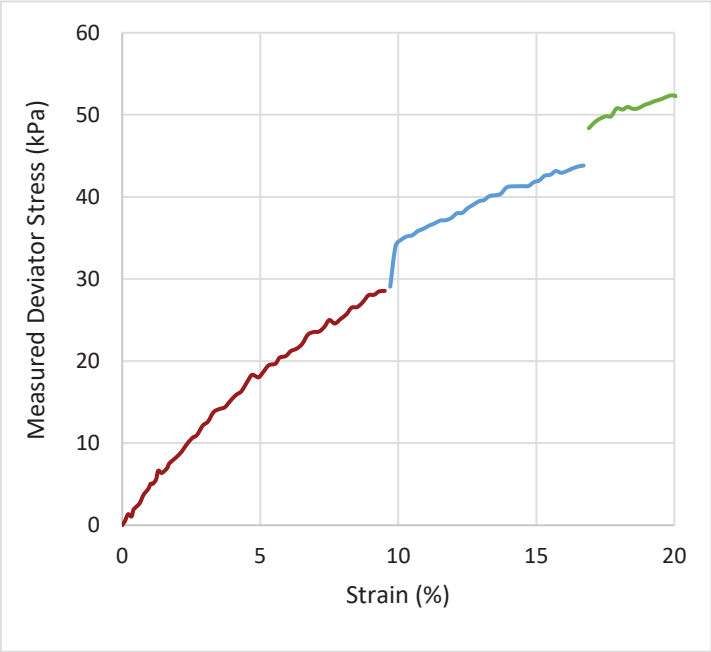
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

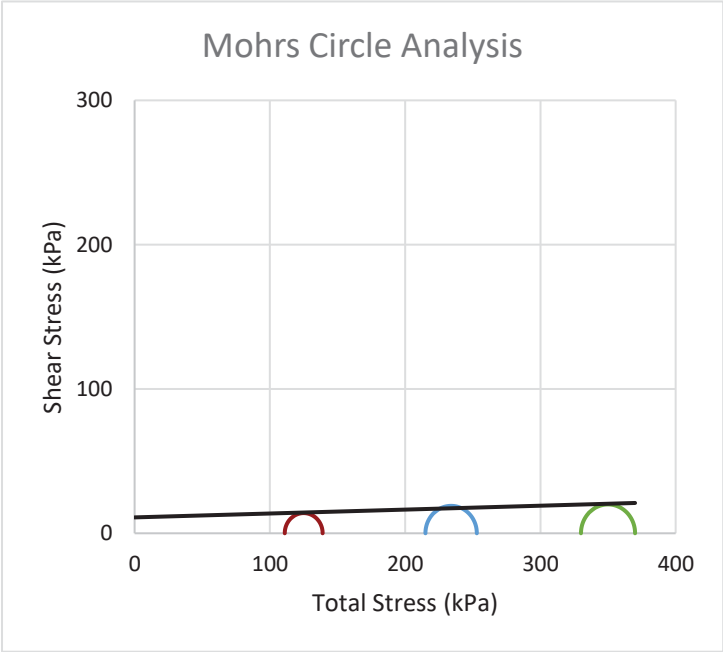
DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH10	5.50 - 5.95	U	1	Light olive brown slightly clayey sandy SILT with rare shell debris	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 5.63	154.9	104.9	2781	28.8	2.08	1.61

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm





Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	111	9.5	0.6	/	28	14		
	215	16.7	1.0	6.0	37	19	11	1.6
	330	19.9	1.1	10.7	40	20		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

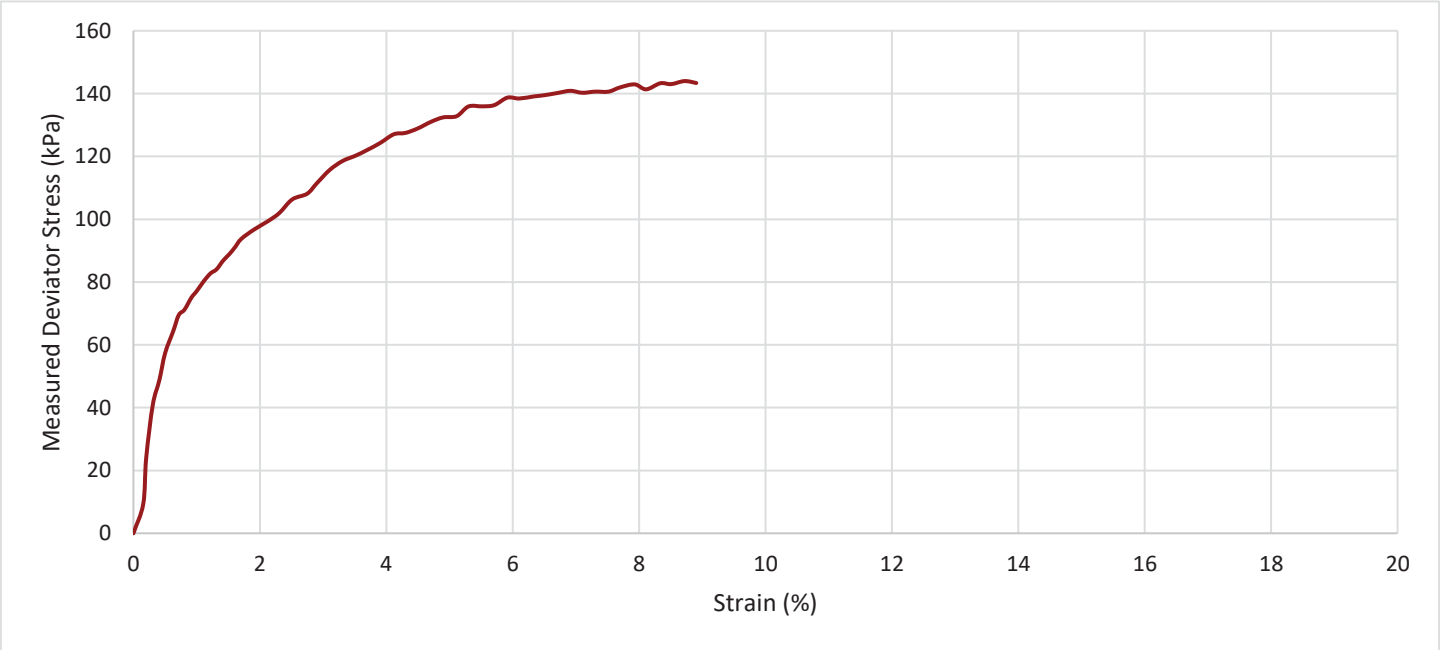
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH10	14.50 - 14.95	U	3	Firm (medium strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 14.68	199.5	102.5	3360	26.0	2.04	1.62

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	291	8.7	0.6	\	143	72		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

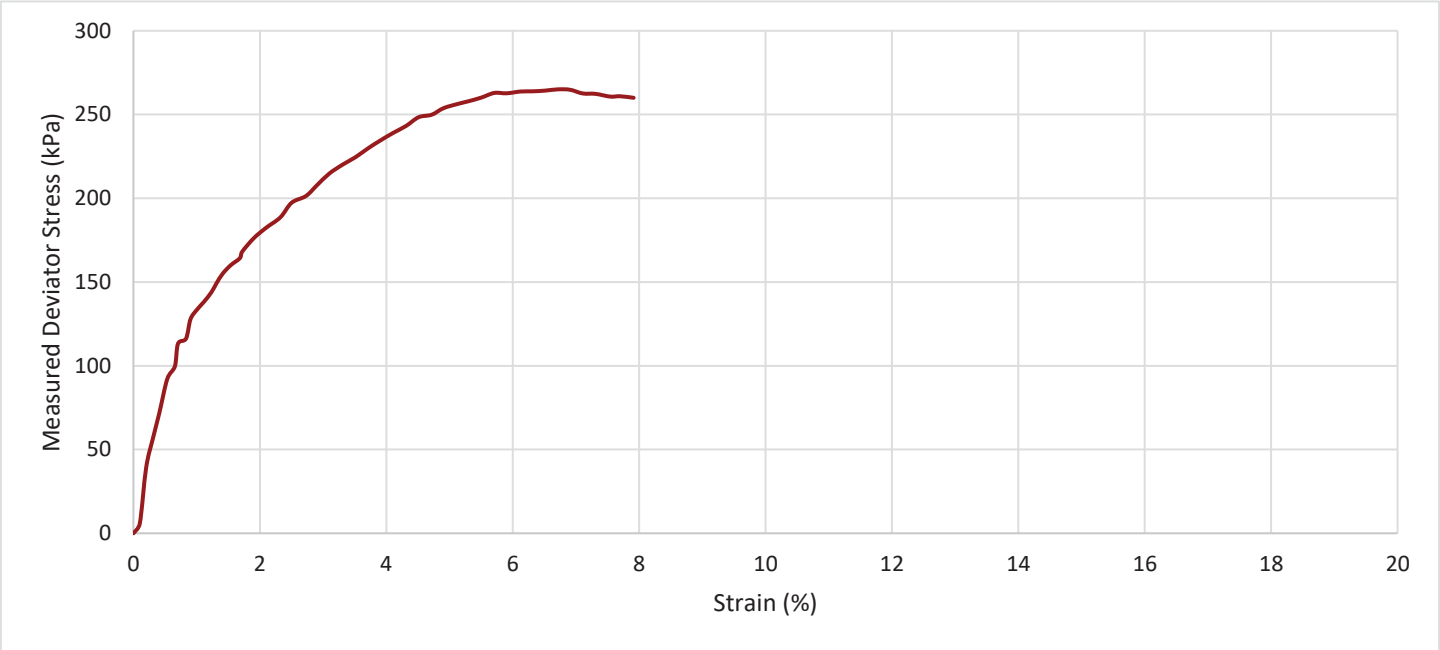
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH11	13.00 - 13.50	U	2	Stiff (high strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 13.14	184.3	102.3	3091	24.3	2.04	1.64

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	260	6.7	0.5	\	265	133		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

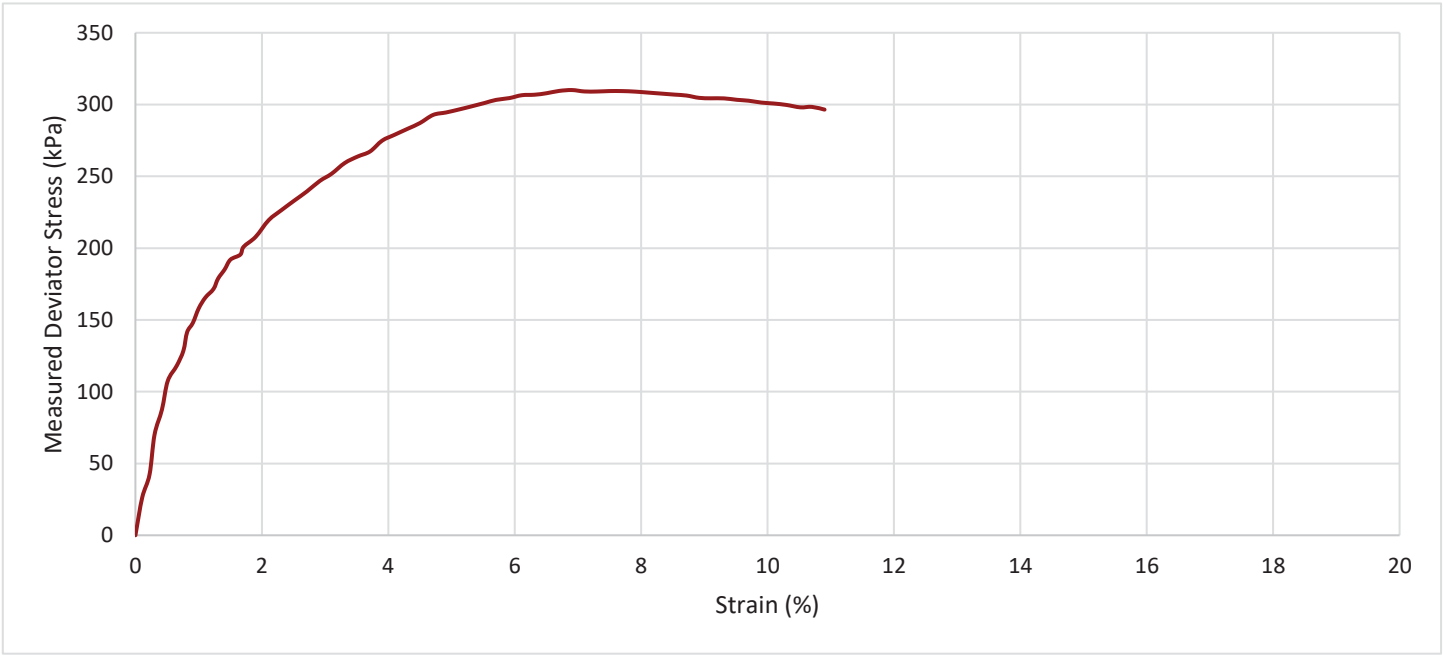
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH11	17.50 - 17.95	U	3	Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 17.68	199.2	102.8	3351	23.7	2.03	1.64

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	349	6.9	0.5	\	310	155		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

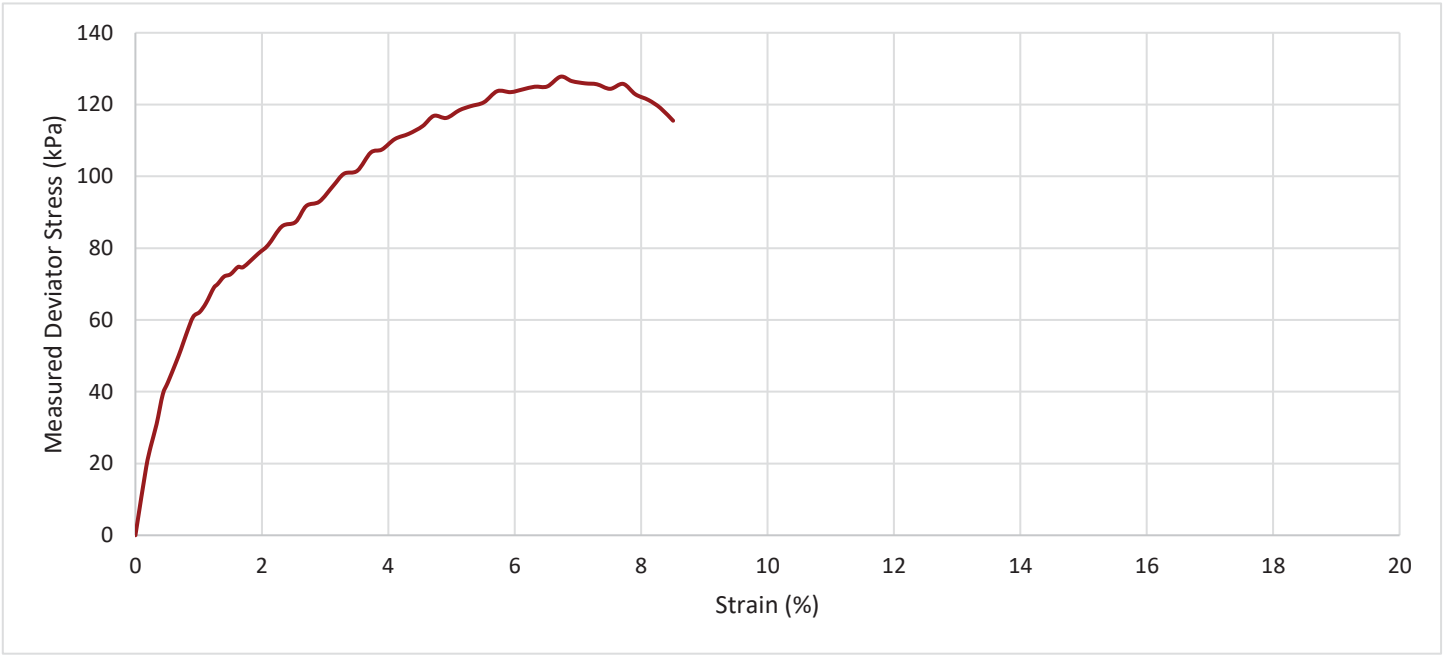
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH12	7.00	U	1	Firm (medium strength) fissured dark greyish brown CLAY with occasional dark grey mottling.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 7.05	199.3	102.1	3189	28.9	1.96	1.52

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	141	6.7	0.5	\	128	64		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

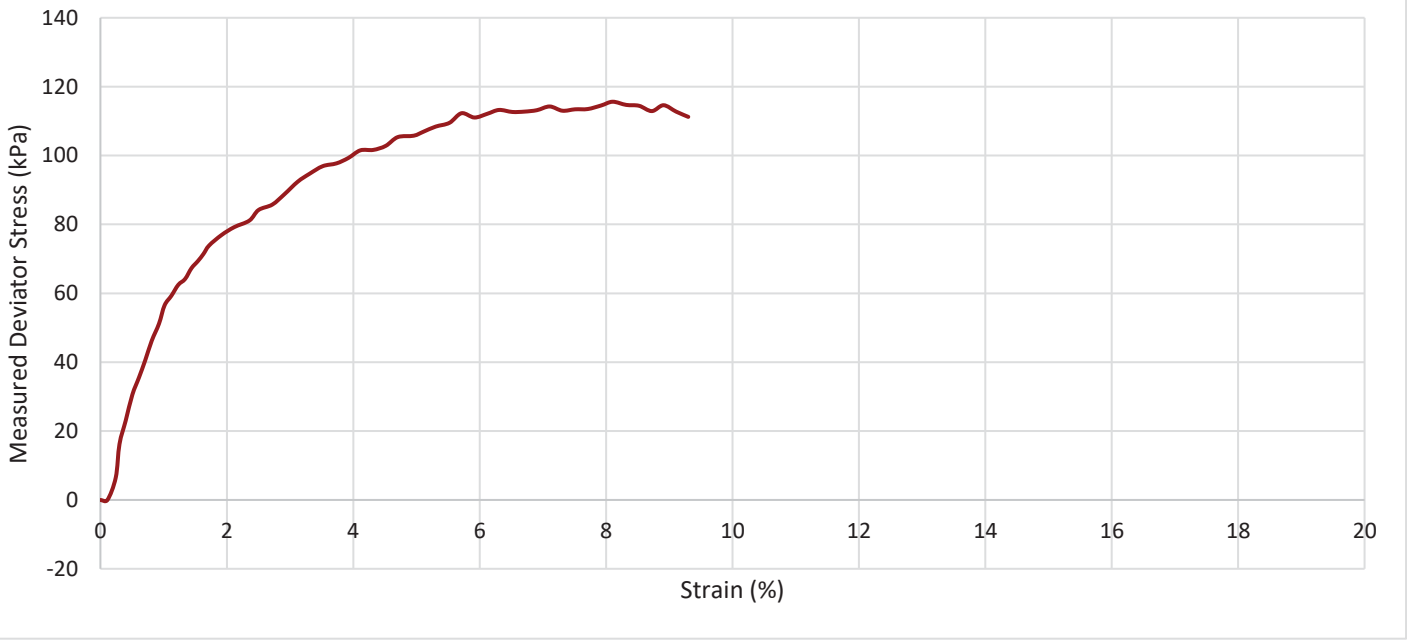
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH12	10.00	U	2	Firm (medium strength) fissured dark greyish brown CLAY with occasional greyish brown, rare dark grey mottling, and shell and fossil debris.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 10.05	199.6	102.6	3219	25.2	1.95	1.56

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	204	8.1	0.6	\	115	58		

Method of Preparation: BS 1377: Part 1: 1990

Method of Test: BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading

Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

Comments: Tested in Vertical Condition

UKAS Calibration - loads from 0.2 to 10kN

Remarks to Include: Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

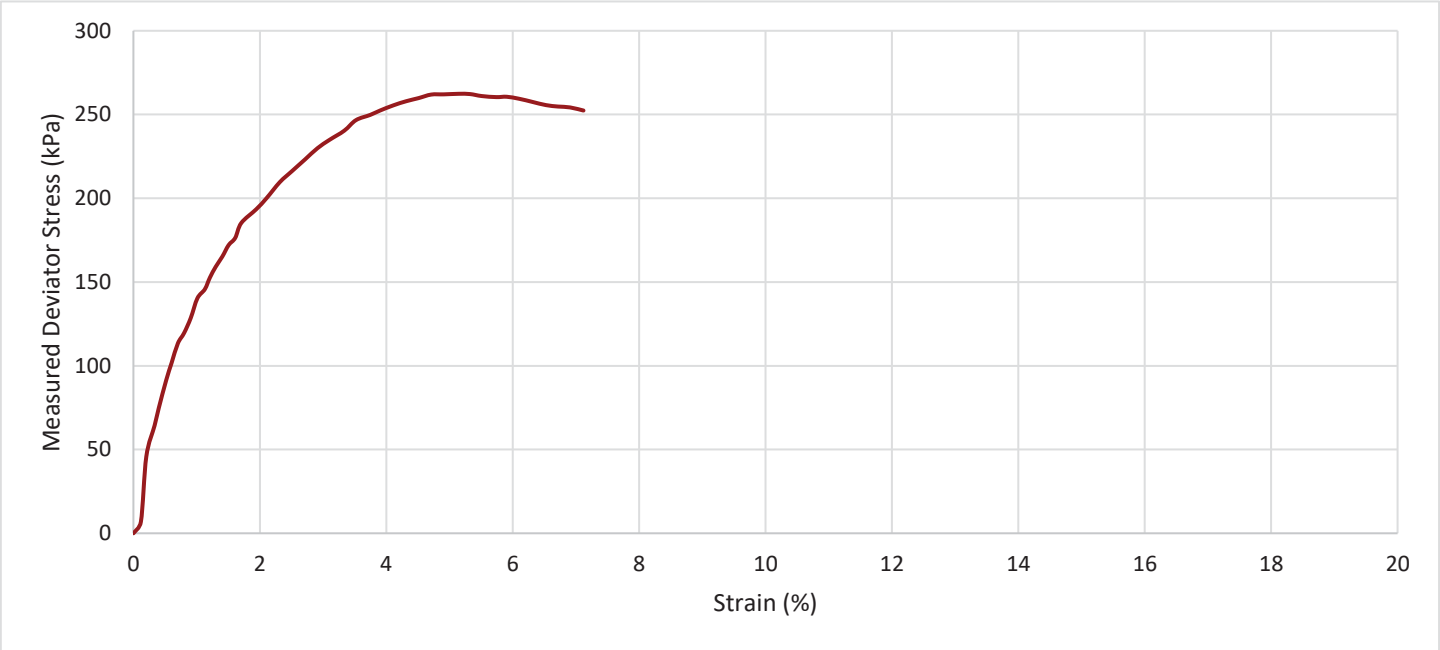
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH13	12.00 - 12.45	U	18	Stiff (high strength) fissured dark greyish brown calcareous CLAY with rare dark grey mottling.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 12.02	199.2	102.7	3345	26.7	2.03	1.60

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	242	5.1	0.4	\	262	131		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

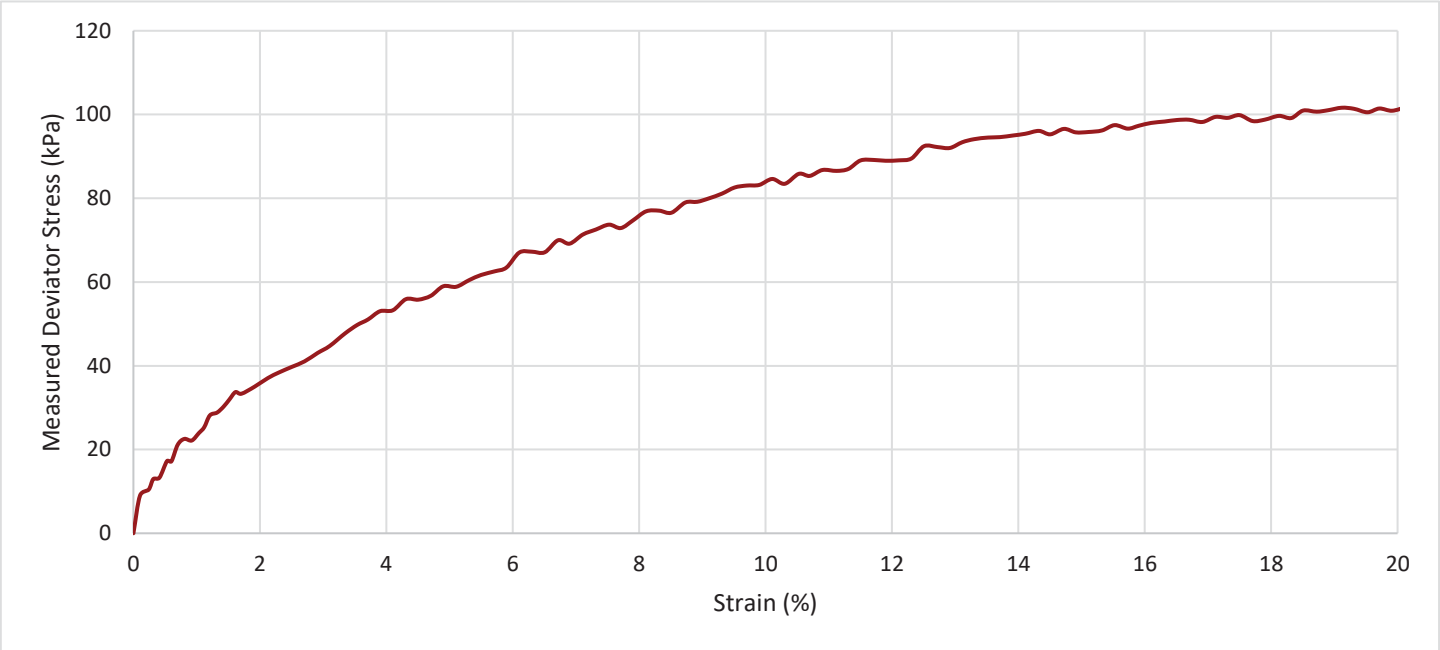
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH16	5.00 - 5.45	U	11	Firm (medium strength) greyish brown slightly sandy calcareous CLAY with occasional light grey and light brownish grey mottling, rare orange staining, and gravel.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 5.14	200.0	102.7	3432	25.5	2.07	1.65

TEST INFORMATION	Rate of Strain	1.0	% per Min	Rubber Membrane Thickness	0.3	mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	102	20.1	1.1	\	101	51		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

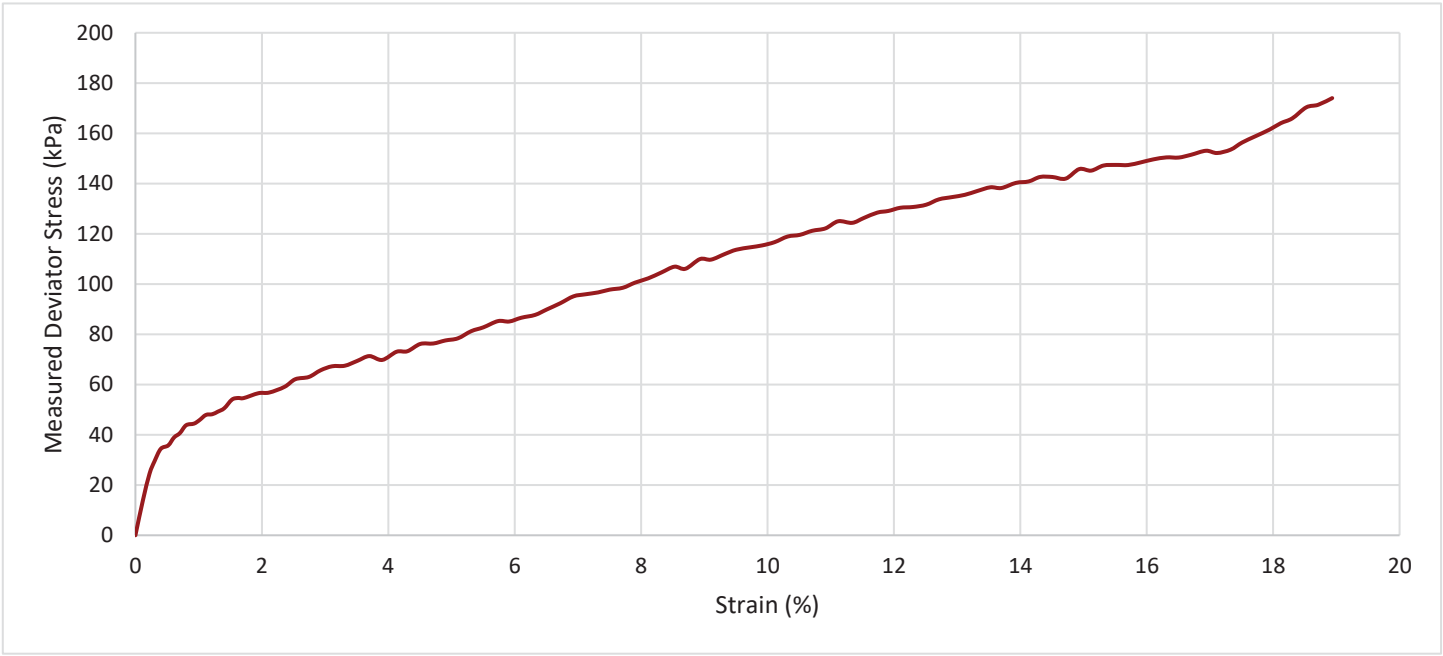
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

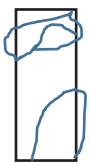
DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH16	12.00 - 12.45	U	24	Stiff (high strength) fissured dark greyish brown CLAY with occasional dark grey mottling, and rare fossil and shell debris.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
 Depth of Top of Specimen (m) 12.11	199.2	103.4	3344	26.4	2.00	1.58

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	241	18.9	1.1	\	173	87		

Method of Preparation:	BS 1377: Part 1: 1990
Method of Test:	BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Tested in Vertical Condition
	UKAS Calibration - loads from 0.2 to 10kN
Remarks to Include:	Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

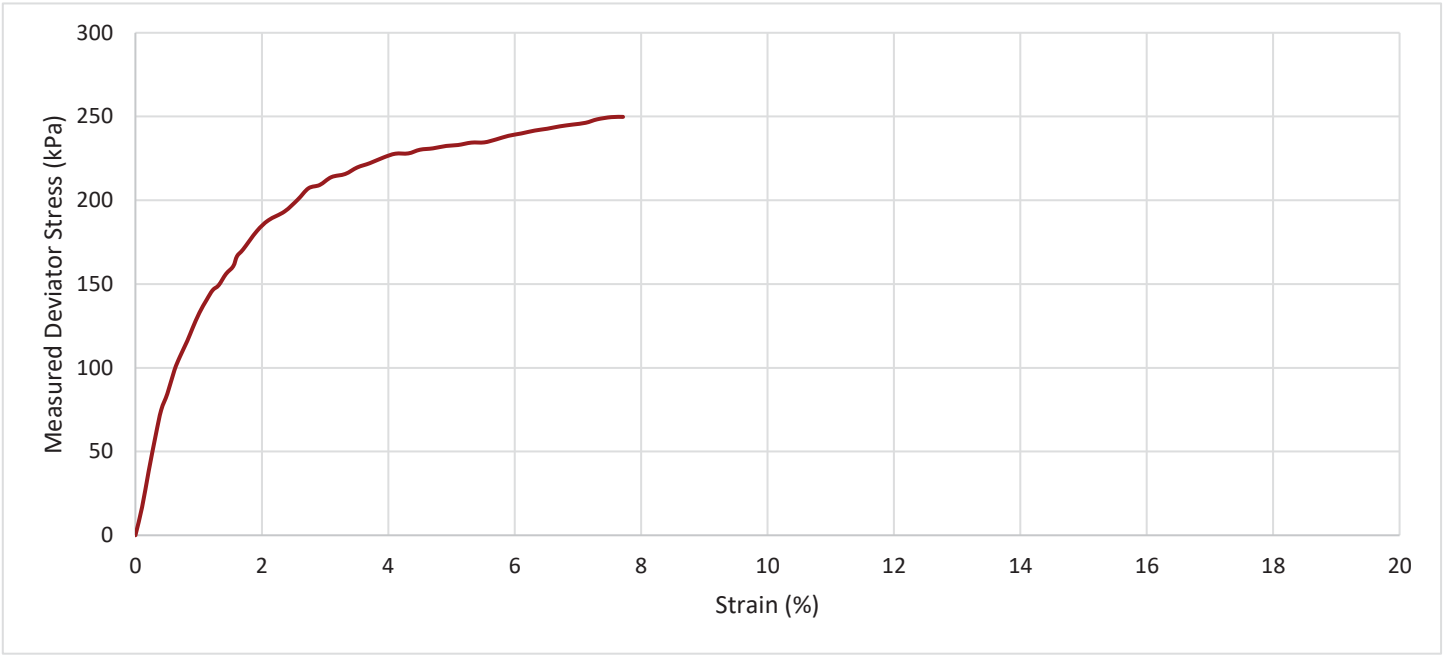
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION WITHOUT MEASUREMENT OF PORE PRESSURE

Borehole /Pit No.	Depth (m)	Type	Reference	Description	Remarks
BH17	12.00 - 12.45	U	20	Stiff (high strength) fissured friable calcareous CLAY with occasional dark grey mottling, and rare shell and fossil debris.	

Initial Specimen	Height (mm)	Diameter (mm)	Weight (g)	Water Content (%)	Bulk Density (Mg/m³)	Dry Density (Mg/m³)
Depth of Top of Specimen (m) 12.12	199.2	103.5	3388	24.9	2.02	1.62

TEST INFORMATION — Rate of Strain 1.0 % per Min — Rubber Membrane Thickness 0.3 mm



Specimen at failure	Measured Cell Pressure, σ3 (kPa)	Strain at Failure (%)	Stress Corrections (kPa)		Corrected Max. Deviator Stress, (σ1-σ3)f (kPa)	Shear Stress Cu, ½(σ1-σ3)f (kPa)	Mohrs Circle Analysis	
			Rubber Membrane	Piston Friction			Cu (kPa)	PHI (degrees)
	244	7.7	0.5	\	249	125		

Method of Preparation: BS 1377: Part 1: 1990

Method of Test: BS 1377: Part 7: 1990: 8 Definitive Method, 1990: 9 Multi-stage loading

Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter

Comments: Tested in Vertical Condition

UKAS Calibration - loads from 0.2 to 10kN

Remarks to Include: Sample disturbance, loss of moisture, variation form test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

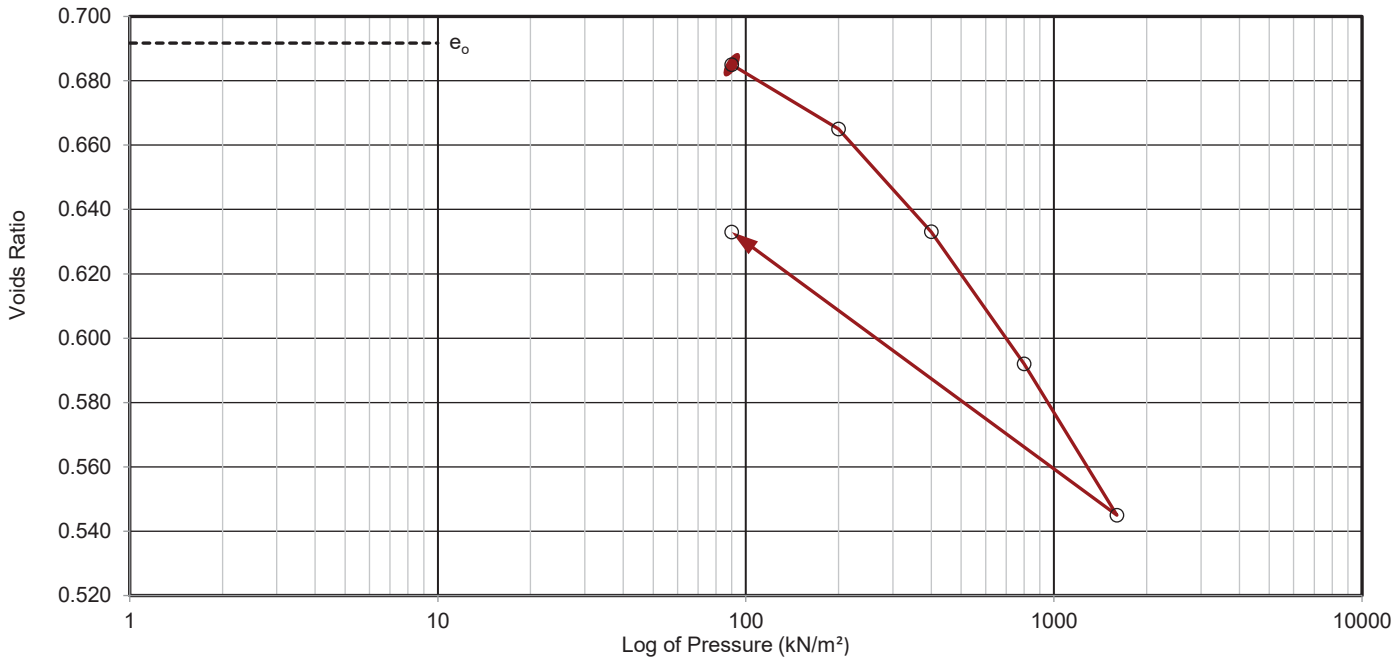
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH04	11.50 - 11.95	U	1	11.58 Horizontal	25.4	Stiff (high strength) slightly fissured greyish brown CLAY locally silty with occasional olive grey mottling	

Initial Conditions			Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
Height	mm	18.90	1	90	0.076	0.685			22	
Diameter	mm	75.00	2	200	0.301	0.665	0.47	0.11	22	0.45
Wet Weight	g	168.92	3	400	0.658	0.633	0.41	0.10	22	0.39
Water Content	%	25.4	4	800	1.113	0.592	0.42	0.06	22	0.40
Bulk Density	Mg/m³	2.02	5	1600	1.639	0.545	0.48	0.04	22	0.46
Particle Density		Assumed 2.73	6	90	0.660	0.633		0.04	22	
Voids Ratio		0.692								
Degree of Saturation	%	100								
Swelling Pressure	kN/m²	90								
Dry Density	Mg/m³	1.61								



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

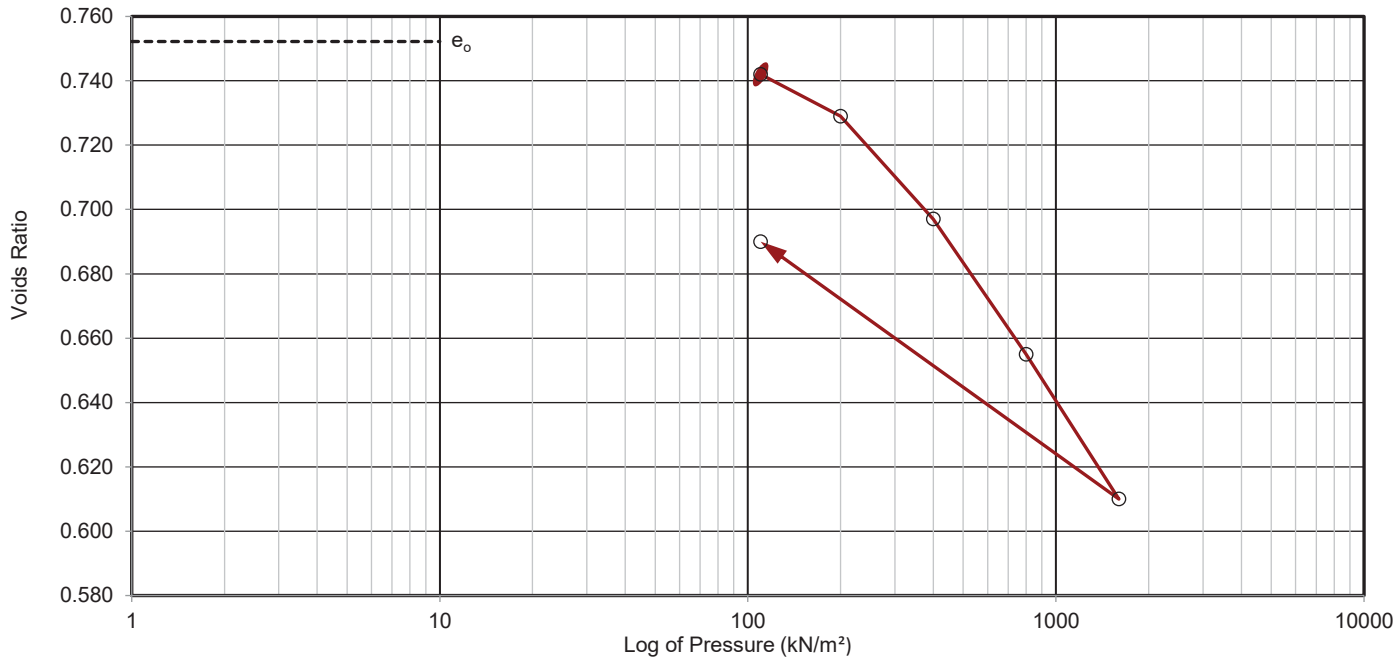
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH04	19.00 - 19.45	U	3	19.10 Horizontal	25.8	Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets	

Initial Conditions			
Height	mm	18.66	
Diameter	mm	49.99	
Wet Weight	g	74.42	
Water Content	%	25.8	
Bulk Density	Mg/m³	2.03	
Particle Density		Assumed	2.83
Voids Ratio		0.752	
Degree of Saturation	%	97	
Swelling Pressure	kN/m²	110	
Dry Density	Mg/m³	1.62	

Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
1	110	0.111	0.742			22	
2	200	0.251	0.729	0.32	0.08	22	0.30
3	400	0.592	0.697	0.27	0.09	22	0.26
4	800	1.033	0.655	0.35	0.06	22	0.33
5	1600	1.519	0.610	0.35	0.03	22	0.33
6	110	0.664	0.690		0.03	22	



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

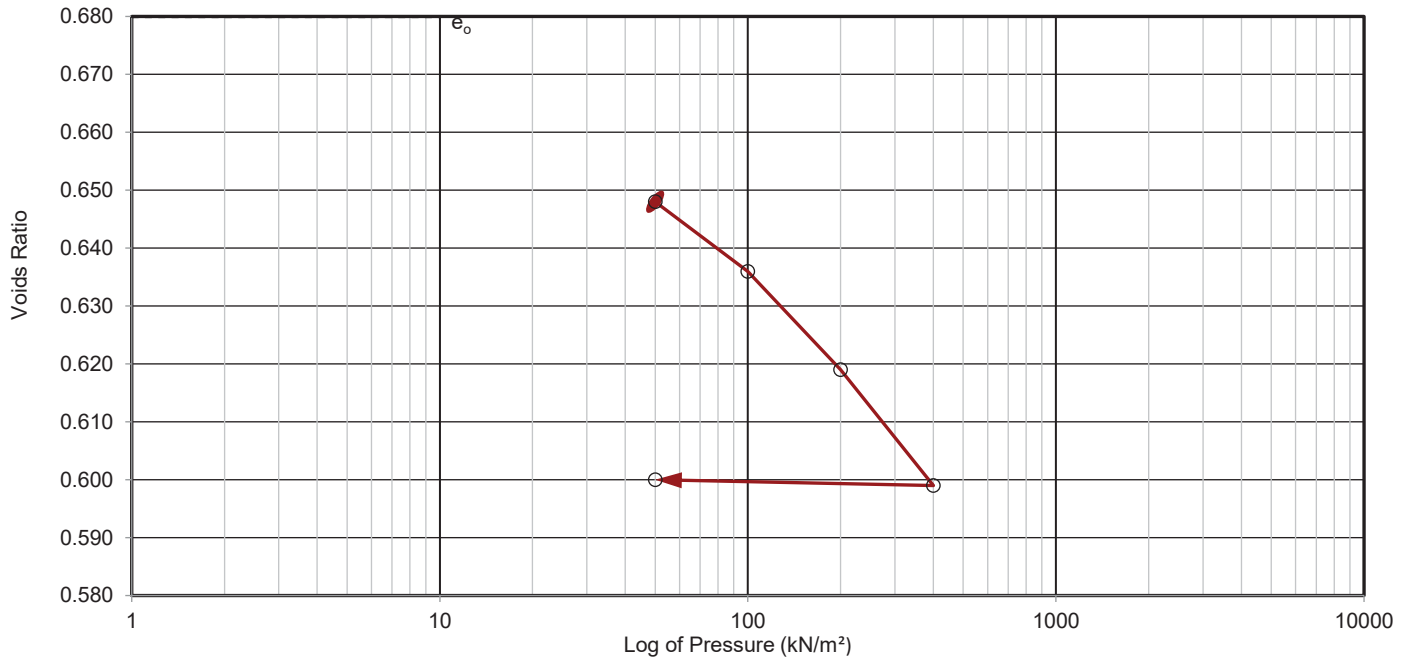
0998

Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH10	5.50 - 5.95	U	1	5.60 Horizontal	26.1	Light olive brown slightly clayey sandy SILT with rare shell debris	

Initial Conditions			Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
Height	mm	18.86	1	50	0.358	0.648	8.12	0.38	22	7.70
Diameter	mm	74.99	2	100	0.496	0.636	1.58	0.15	22	1.50
Wet Weight	g	168.78	3	200	0.679	0.619	1.90	0.10	22	1.80
Water Content	%	26.1	4	400	0.914	0.599	2.11	0.07	22	2.00
Bulk Density	Mg/m³	2.03	5	50	0.895	0.600		0.00	22	
Particle Density		Assumed 2.70								
Voids Ratio		0.680								
Degree of Saturation	%	104								
Swelling Pressure	kN/m²	<50								
Dry Density	Mg/m³	1.61								



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

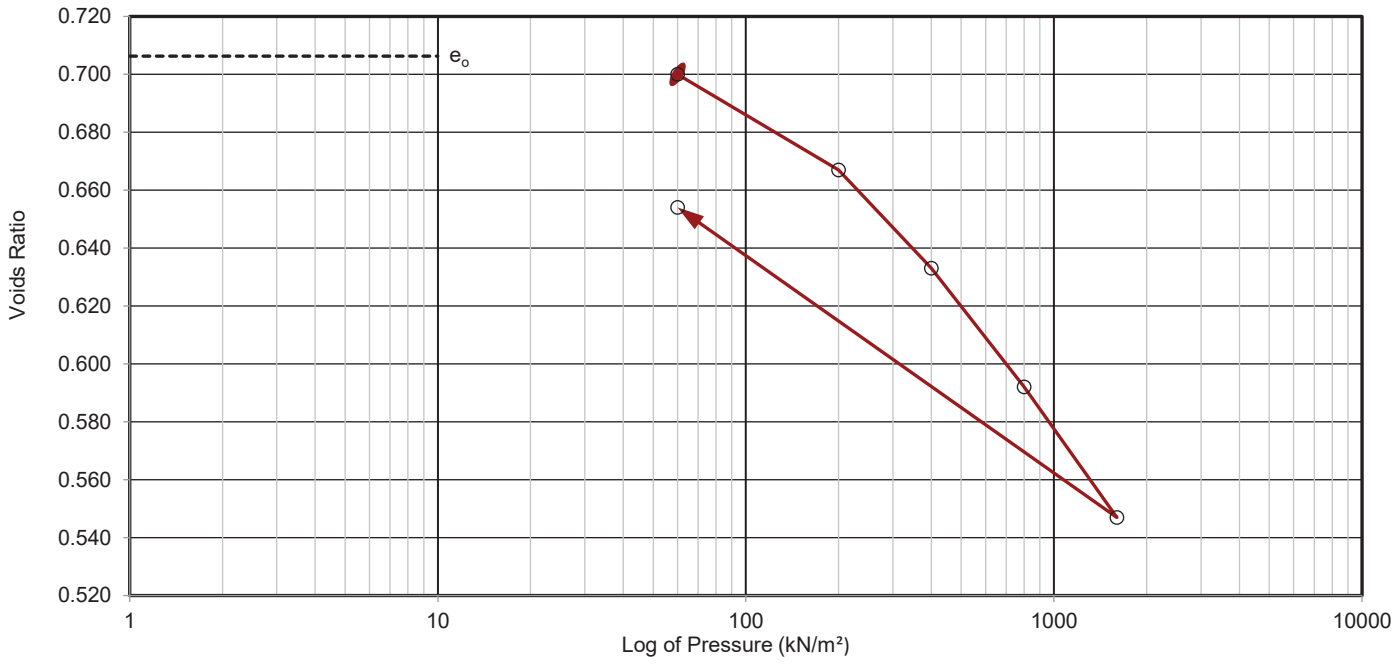
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH10	14.50 - 14.95	U	3	14.65 Horizontal	25.9	Firm (medium strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling	

Initial Conditions			
Height	mm	19.07	
Diameter	mm	75.01	
Wet Weight	g	169.74	
Water Content	%	25.9	
Bulk Density	Mg/m³	2.01	
Particle Density		Assumed	2.73
Voids Ratio		0.706	
Degree of Saturation	%	100	
Swelling Pressure	kN/m²	60	
Dry Density	Mg/m³	1.60	

Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
1	60	0.065	0.700			22	
2	200	0.441	0.667	0.25	0.14	22	0.24
3	400	0.822	0.633	0.32	0.10	22	0.30
4	800	1.273	0.592	0.36	0.06	22	0.34
5	1600	1.777	0.547	0.42	0.04	22	0.40
6	60	0.581	0.654		0.05	22	



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

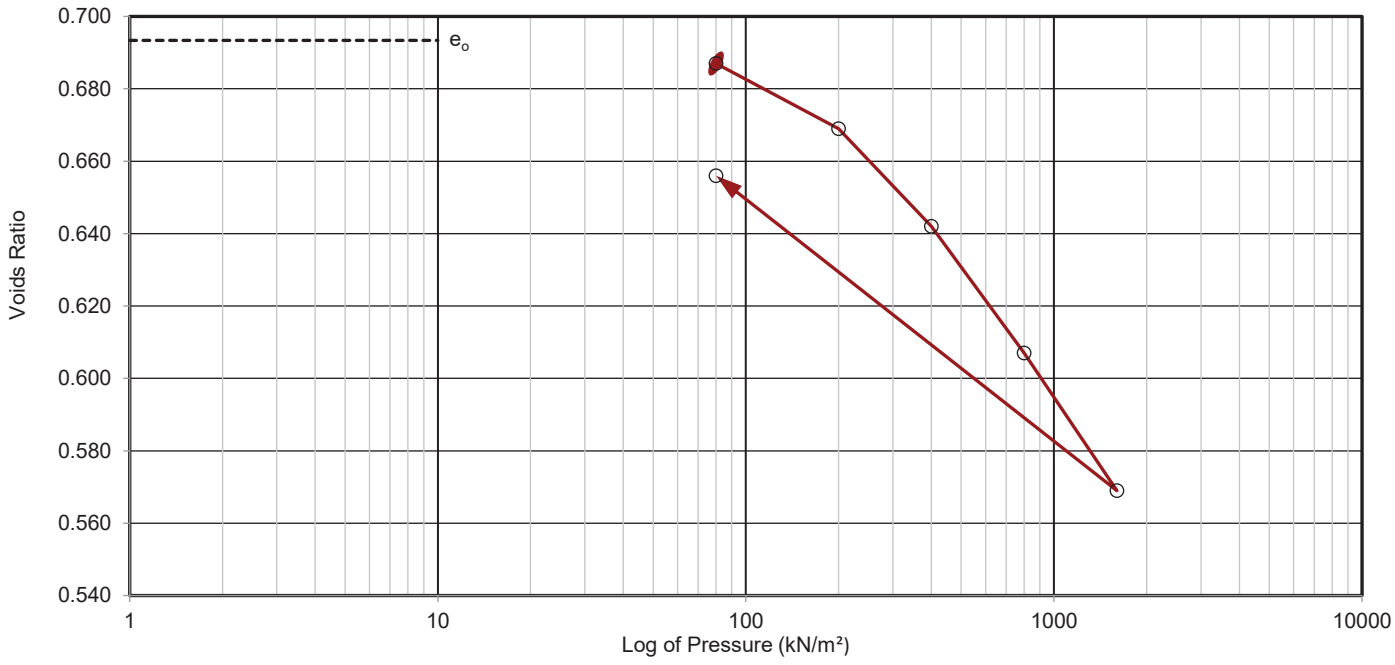
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH11	13.00 - 13.50	U	2	13.10 Horizontal	24.2	Stiff (high strength) fissured greyish brown CLAY locally silty with occasional grey and light olive brown mottling	

Initial Conditions		
Height	mm	18.97
Diameter	mm	75.00
Wet Weight	g	170.76
Water Content	%	24.2
Bulk Density	Mg/m³	2.04
Particle Density		Assumed 2.78
Voids Ratio		0.693
Degree of Saturation	%	97
Swelling Pressure	kN/m²	80
Dry Density	Mg/m³	1.64

Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
1	80	0.072	0.687			22	
2	200	0.271	0.669	0.35	0.09	22	0.33
3	400	0.578	0.642	0.30	0.08	22	0.28
4	800	0.967	0.607	0.40	0.05	22	0.38
5	1600	1.392	0.569	0.64	0.03	22	0.61
6	80	0.416	0.656		0.04	22	



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD

DATE ISSUED: 02/03/2021

0998

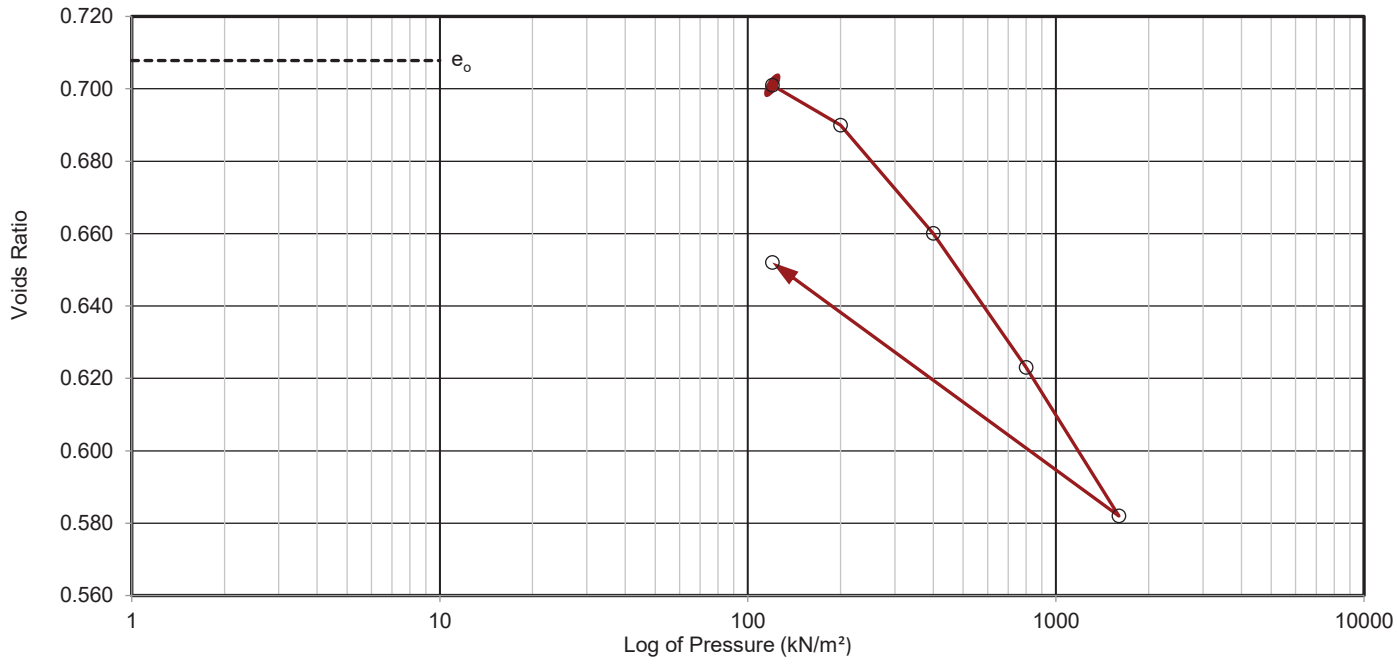
Contract	**UK20.5052c - Pfizer, Havant**
Serial No.	**38207_1**

DETERMINATION OF THE ONE-DIMENSIONAL CONSOLIDATION PROPERTIES

Borehole/ Pit No.	Depth (m)	Type	Ref.	Specimen Depth (m) and Orientation	Water Content (%)	Description	Remarks
BH11	17.50 - 17.95	U	3	17.65 Horizontal	24.6	Very stiff (very high strength) fissured dark greyish brown CLAY with rare light greyish brown silt pockets	

Initial Conditions		
Height	mm	18.70
Diameter	mm	50.01
Wet Weight	g	74.77
Water Content	%	24.6
Bulk Density	Mg/m³	2.04
Particle Density		Assumed 2.79
Voids Ratio		0.708
Degree of Saturation	%	97
Swelling Pressure	kN/m²	120
Dry Density	Mg/m³	1.63

Increment No.	Load (kN/m²)	Change in Height (mm)	Void Ratio	Cv (m²/yr)	Mv (m²/MN)	Temp (°C)	Corrected Cv
1	120	0.076	0.701			22	
2	200	0.190	0.690	0.22	0.08	22	0.21
3	400	0.518	0.660	0.27	0.09	22	0.26
4	800	0.928	0.623	0.41	0.06	22	0.39
5	1600	1.381	0.582	0.38	0.03	22	0.36
6	120	0.612	0.652		0.03	22	



Method of Preparation:	BS 1377: Part 5: 1990: 3.3 & 3.4
Method of Test:	BS 1377: Part 5: 1990: 3.5
Method of Time Fitting Used:	Square root
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of water, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110 °C.

APPENDIX J

Generic Screening Criteria

EPS Generic Quantitative Risk Assessment - Commercial Landuse

Contaminant	Soil Targets			Groundwater Targets	
	Human Health	Controlled Waters		Controlled Waters	
		LGwRP	HGwRP	LGwRP	HGwRP
Unit	**mg/kg**			**ug/l**	
Arsenic	See C4SL	n/c	n/c	50	10
Cadmium	See C4SL	n/c	n/c	5	5
Chromium III	8600	n/c	n/c	250	50
Chromium VI	See C4SL	n/c	n/c	n/c	n/c
Copper	68000	n/c	n/c	28	28
Mercury (elemental)	58	n/c	n/c	1	1
Nickel	980	n/c	n/c	200	50
Lead	See C4SL	n/c	n/c	250	10
Selenium	12000	n/c	n/c	10	10
Zinc	730000	n/c	n/c	500	500
Benzene	See C4SL	0.252	0.008	30	1
Toluene	56000* (869)	1.17	1.17	50	50
Ethylbenzene	5700* (518)	15.0	10.0	300	200
Xylene (Para)	5900** (576)	0.885	0.885	30	30
MTBE#	7900	0.138	0.0276	75	15
Benzo(a)Pyrene	see C4SL	10	1.44	0.7	0.1
Naphthalene	190** (76.4)	0.934	0.02	10	0.1
Dibenz(ah)anthracene	3.5	n/c	n/c	n/c	n/c
Aliphatic C5-C6	3200** (304)	5.27	1.05	50	10
Aliphatic C6-C8	7800** (144)	23.2	4.64	50	10
Aliphatic C8-C10	2000** (78)	175	35.1	50	10
Aliphatic C10-C12	9700** (48)	1380	276	50	10
Aliphatic C12-C16	59000**(24)	27500	5490	50	10
Aliphatic C16-C35	1600000	3.46E+06	6.91E+05	50	10
Aromatic C8-C10	3500*(613)	8.74	1.75	50	10
Aromatic C10-C12	16000** (364)	13.8	2.76	50	10
Aromatic C12-C16	36000**(169)	27.5	5.5	50	10
Aromatic C16-C21	28000	86.9	17.4	50	10
Aromatic C21-C35	28000	690	138	50	10

Notes:

LGwRP - Low Groundwater Resource Potential

HGwRP - High Groundwater Resource Potential

* = S4UL exceeds vapour saturation limit (in brackets)

** = S4UL exceeds solubility saturation limit (in brackets)

Soil Targets

Targets for Human Health have been taken from *S4ULs 'Suitable For Use Levels for Human Health Risk Assessment' – LQM and CIEH (2014)* derived using standard sandy loam soil with 1% SOM, except (#) = *EIC/AGS/CL:AIRE GAC 'Soil Generic Assessment Criteria' (2010)* . For sites where ground conditions differ significantly from sandy loam or site-specific SOM and pH are available, the generic human health targets may be revised.

Targets for Controlled waters have been derived using EA Remedial Targets Worksheet (v3.1) - using standard Sandy Loam ground conditions as described in Science Report SC050021/SR3, assuming no degradation for a 10m compliance distance with criteria of EQS or UKDWS for LGwRP and HGwRP respectively (see notes for GW targets).

Groundwater Targets

For LGwRP, targets have been taken as Freshwater EQS where available. For Ethylbenzene and BaP the WHO Health limit has been used and for MTBE and individual TPH fractions a 5 times multiplier of taste threshold and UKDWS has been taken repectively.

For HGwRP, targets have been taken as UKDWS where available, with the exception of Copper and Zinc where the EQS is lower than the DWS and therefore the EQS has been used as the groundwater target. For Ethlylbenzene the upper WHO ATO limit has been used. For Toluene and Xylene, the WHO ATO limit is higher than the EQS and so the lower value has been taken. For MTBE the taste threshold has been taken.

Work carried out to calculate screening criteria for contaminantion in groundwater with respect of risks to Human Health has generally found that criteria far exceed (by at least 2 orders of magnitude) those listed for the protection of either LGwRP and HGwRP receptors. On this basis, the above groundwater criteria are also considered protective of human health and further evaluation of these risks should be considered alongside any detailed quantitative risk assessments carried out for groundwater on a site specific basis.

EPS Generic Quantitative Risk Assessment

Generic Screening Criteria (C4SLs) - All Land Uses

Contaminant	Soil Targets					
	Residential		Allotments	Commercial	Public Open Spaces	
	With Home Grown Produce	Without Home Grown Produce			Residential	Parks
Unit	mg/kg					
Arsenic	37	40	49	640	79	168
Benzene	0.87	3.3	0.18	98	140	230
Benzo(a)pyrene	5	5.3	5.7	76	10	21
Cadmium	26	149	4.9	410	220	880
Chromium (VI)	21	21	170	49	23	250
Lead	200	310	80	2330	630	1300

Notes:

Targets for Human Health have been taken from the publicly available Category 4 Screening Levels (C4SLs) for assessment of land affected by contamination issued by DEFRA in December 2013.

Within the modelling for C4SLs, a Soil Organic Matter content of 6% has been used. Reference to site-specific data should be made where possible. EPS have carried out a sensitvity analysis in-house and the contaminant benzene is the current C4SL most susceptable to changes in SOM and therefore any risk assessment for this compound must account for this aspect.

APPENDIX K

CLEA Model Output

STEP 2: BASIC SETTINGS

Apply Settings to Model

Back to Guide

SELECT LAND USE Commercial

RATIO MODE ☑

LAND USE OPTIONS

RECEPTOR Female (com)

BUILDING Office (post 1970)

START AC 17 **END AC** 17

SOIL TYPE Sandy loam

pH 7 **SOM (%)** 6

EXPOSURE PATHWAYS

ORAL ROUTES		DERMAL ROUTES		INHALATION ROUTES	
direct soil and dust ingestion	☐	indoor	☐	indoor dust	☐
consumption of homegrown produce	☐	outdoor	☐	outdoor dust	☐
soil attached to homegrown produce	☐			indoor vapour	☑
				outdoor vapour	☐

STEP 3: SELECT CHEMICALS

Clear All Chemicals | Apply Chemicals to Model | Back to Guide

Select chemicals of interest from pulldown list. Up to thirty chemicals can be assessed at one time. If site concentrations are known these can be entered to over ride model estimates.

		Site Measured Media Concentrations (If Known)									
		Soil	Air, Soil Gas	Vapour, Outdoor	Vapour, Indoor	Green veg	Root veg	Tuber veg	Herb. fruit	Shrub fruit	Tree fruit
Number	Chemical	mg kg^{-1} DW	mg m^{-3}	mg m^{-3}	mg m^{-3}	mg g^{-1} FW	mg g^{-1} FW	mg g^{-1} FW	mg g^{-1} FW	mg g^{-1} FW	mg g^{-1} FW
1	Carbon disulphide		0.0056								
2	Xylene, o-		0.0256								
3	Xylene, m-		0.0838								
4	Xylene, p-		0.0838								
5	Styrene		0.0132								
6	Trichloroethene		0.0091								
7	Tetrachloroethene		0.0373								
8	1,1,1-Trichloroethane		0.0327								
9	Aliphatic >C5-C6		7.431								
10	Aliphatic >C8-C10		0.122								
11	Aliphatic >C10-C12		0.19								
12	Aromatic >EC5-EC7		0.0064								
13	Aromatic >EC7-EC8		0.0946								
14	Aromatic >EC8-EC10		0.201								
15	2-Propanone (Acetone)		0.114								
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

ADVANCED SETTINGS

Restore Defaults | Back to Menu

Chemical Name	Chemical type	Oral HCV					Inhalation HCV					Oral MDI for adults	Inhalation MDI for adults	Air-water partition coefficient (K_{aw})	Diffusion coefficient in air	Diffusion coefficient in water	Relative molecular mass	Vapour pressure	Water solubility	K_{oc}	K_{ow}	K_p	Dermal absorption fraction	Soil - plant availability correction	Root - shoot correction factor	Root - root store correction factor	Root - tuber correction factor	Root - fruit correction factor	Soil-to-plant concentration factor (green vegetables)		Soil-to-plant concentration factor (root vegetables)		Soil-to-plant concentration factor (tuber vegetables)		Soil-to-plant concentration factor (herbaceous fruit)		Soil-to-plant concentration factor (shrub fruit)		Soil-to-plant concentration factor (tree fruit)		Apply Top 2 Method to Producer Groups						Soil mass transport factor (g g^{-1} DW)	Sub-surface soil to indoor air correction factor (dimensionless)	Relative bioavailability (RBA_{ratio})	
		type	kg kg^{-1} BW day^{-1}	Compare with			type	kg kg^{-1} BW day^{-1}	Compare with			Volatile and gas phase only	g d day^{-1}	g d day^{-1}	m^3 m^{-3}	m^3 s^{-1}	m^2 s^{-1}	g mol^{-1}	mm Hg	mg L^{-1}	kg (m^3 m^{-3})$^{-1}$	mg (dimensionless)	m s^{-1}	dimensionless	dimensionless	dimensionless	dimensionless	dimensionless	dimensionless	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	mg g^{-1} plant DW or mg mL^{-1} OW soil	type	Green vegetables	Root vegetables	Tuber vegetables	Herbaceous fruit	Shrub fruit	Tree fruit				
				Total exposure	Dermal exposure	Inhalation exposure			Total exposure	Dermal exposure	Inhalation exposure																																							
Carbon disulphide	organic	TD	1.00E+02	Yes	Yes	No	TD	2.63E+01	No	No	Yes	Yes	0.00E+00	0.00E+00	4.08E-01	1.04E-05	8.28E-10	7.61E+01	2.65E+04	2.10E+03	2.06E+00	2.06E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00
Xylene, o-	organic	TD	1.80E+02	Yes	Yes	No	TD	6.00E+01	No	No	Yes	Yes	1.10E+01	1.40E+02	9.20E-02	7.01E-06	5.31E-10	1.06E+02	3.86E+02	1.73E+02	2.63E+00	3.12E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	0.00	0.00E+00	model	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Xylene, m-	organic	TD	1.80E+02	Yes	Yes	No	TD	6.00E+01	No	No	Yes	Yes	1.10E+01	1.40E+02	1.12E-01	7.03E-06	5.31E-10	1.06E+02	4.05E+02	2.06E+02	2.69E+00	3.20E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	0.00	0.00E+00	model	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Xylene, p-	organic	TD	1.80E+02	Yes	Yes	No	TD	6.00E+01	No	No	Yes	Yes	1.10E+01	1.40E+02	1.07E-01	7.04E-06	5.31E-10	1.06E+02	4.75E+02	2.00E+02	2.65E+00	3.15E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	0.00	0.00E+00	model	0.00E+00	0.00	0.00E+00	0.00	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Styrene	organic	TD	7.70E+00	Yes	Yes	No	TD	7.43E+01	No	No	Yes	Yes	5.00E+00	5.20E+01	9.88E-02	7.10E-06	8.10E-10	1.04E+02	6.75E+02	3.00E+02	2.57E+00	3.03E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00
Trichloroethene	ID	TD	5.00E-01	Yes	Yes	No	ID	5.70E-01	No	No	Yes	Yes	NR	NR	1.87E-01	7.91E-06	6.23E-10	1.31E+02	4.58E+03	1.37E+03	2.15E+00	2.53E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00
Tetrachloroethene	organic	TD	6.00E+00	Yes	Yes	No	TD	1.10E+01	No	No	Yes	Yes	9.40E+00	2.00E+02	3.16E-01	7.10E-06	5.61E-10	1.66E+02	1.01E+03	2.25E+02	2.43E+00	2.88E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00
1,1,1-Trichloroethane	organic	TD	6.00E+02	Yes	Yes	No	TD	6.00E+02	No	No	Yes	Yes	2.00E-01	3.30E+02	3.60E-01	7.75E-06	5.99E-10	1.33E+02	8.23E+03	1.30E+03	2.12E+00	2.49E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00
Aliphatic >C5-C6	organic	TD	5.00E+03	Yes	Yes	No	TD	5.26E+03	No	No	Yes	Yes	3.50E+06	3.69E+05	3.40E+01	1.00E-05	1.00E-09	8.10E+01	3.60E+04	3.60E+01	2.90E+00	3.30E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Aliphatic >C8-C10	organic	TD	1.00E+02	Yes	Yes	No	TD	2.70E+02	No	No	Yes	Yes	7.00E+03	1.89E+04	8.20E+01	1.00E-05	1.00E-09	1.30E+02	6.40E+02	4.30E-01	4.51E+00	4.80E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Aliphatic >C10-C12	organic	TD	1.00E+02	Yes	Yes	No	TD	2.70E+02	No	No	Yes	Yes	7.00E+03	1.89E+04	1.30E+02	1.00E-05	1.00E-09	1.60E+02	6.50E+01	3.40E-02	5.40E+00	5.60E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Aromatic >EC8-EC7	organic	TD	2.00E+02	Yes	Yes	No	TD	1.10E+02	No	No	Yes	Yes	1.40E+04	7.70E+03	2.30E-01	1.00E-05	1.00E-09	7.80E+01	1.32E+04	1.80E+03	1.90E+00	2.10E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Aromatic >EC7-EC8	organic	TD	2.00E+02	Yes	Yes	No	TD	1.10E+02	No	No	Yes	Yes	1.40E+04	7.70E+03	2.70E-01	1.00E-05	1.00E-09	9.20E+01	3.87E+03	5.20E+02	2.40E+00	2.60E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
Aromatic >EC8-EC10	organic	TD	4.00E+01	Yes	Yes	No	TD	5.50E+01	No	No	Yes	Yes	2.80E+03	3.85E+03	4.90E-01	1.00E-05	1.00E-09	1.20E+02	6.40E+02	6.50E+01	3.20E+00	3.10E+00	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	10.0	1.00	1.00
2-Propenone (Acetone)	organic	TD	9.00E-03	Yes	No	No	TD	6.86E+03	No	Yes	Yes	Yes	5.00E+01	3.20E+02	8.11E-04	1.03E-05	7.74E-10	5.81E+01	1.63E+04	4.41E+05	9.00E-01	-2.40E-01	NR	1.00E-01	NR	NR	NR	NR	NR	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	0.00E+00	model	No	No	No	No	No	No	0.50	1.0	1.00	1.00

ADVANCED SETTINGS

Restore Defaults | Back to Menu

		AGE CLASS						AGE CLASS						AGE CLASS					
LAND USE		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
EF (soil and dust ingestion)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
EF (consumption of homegrown produce)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EF (skin contact, indoor)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
EF (skin contact, outdoor)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
EF (inhalation of dust and vapour, indoor)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0
EF (inhalation of dust and vapour, outdoor)	day yr^{-1}	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	0
Occupancy Period (indoor)	hr day^{-1}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Occupancy Period (outdoor)	hr day^{-1}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
Soil to skin adherence factor (indoor)	mg cm^{-2} day^{-1}	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
Soil to skin adherence factor (outdoor)	mg cm^{-2} day^{-1}	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
Soil and dust ingestion rate	g day^{-1}	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-02	0.00E+00

		AGE CLASS						AGE CLASS						AGE CLASS					
RECEPTOR		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**
Body weight	kg	5.60	9.80	12.70	15.10	16.90	19.70	22.10	25.30	27.50	31.40	35.70	41.30	47.20	51.20	56.70	59.00	70.00	70.90
Body height	m	0.70	0.80	0.90	0.90	1.00	1.10	1.20	1.20	1.30	1.30	1.40	1.40	1.50	1.60	1.60	1.60	1.60	1.60
Inhalation rate	m^3 day^{-1}	8.50	13.30	12.70	12.20	12.20	12.20	12.40	12.40	12.40	12.40	12.40	13.40	13.40	13.40	13.40	13.40	14.80	12.00
Max exposed skin fraction (indoor)	m^2 m^{-2}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
Max exposed skin fraction (outdoor)	m^2 m^{-2}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00

ADVANCED SETTINGS

Restore Defaults | Back to Menu

SOIL PROPERTIES for	Sandy loam	
Porosity, total	$cm^3\ cm^{-3}$	0.53
Porosity, air-filled	$cm^3\ cm^{-3}$	0.20
Porosity, water-filled	$cm^3\ cm^{-3}$	0.33
Residual soil water Content	$cm^3\ cm^{-3}$	0.12
Saturated hydraulic conductivity	$cm\ s^{-1}$	3.56E-03
van Genuchten shape parameter (m)	dimensionless	3.20E-01
Bulk density	$g\ cm^{-3}$	1.21
Threshold value of wind speed at 10m	$m\ s^{-1}$	7.20
Empirical function (F_x) for dust model	dimensionless	1.22
Ambient soil temperature	K	283

BUILDING PROPERTIES for	Office (post 1970)	
Building footprint	m^2	6.10E+02
Living space air exchange rate	hr^{-1}	1.00
Living space height (above ground)	m	12.8
Living space height (below ground)	m	0.0
Pressure difference (soil to enclosed space)	Pa	5.1
Foundation thickness	m	1.50E-01
Floor crack area	cm^2	1.98E+03
Dust loading factor	$\mu g\ m^{-3}$	1.00E+02

AIR DISPERSION MODEL		
Mean annual windspeed (10 m)	$m\ s^{-1}$	5.00
Air dispersion factor at height of 0.8 m	$g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$	68.0
Air dispersion factor at height of 1.6 m	$g\ m^{-2}\ s^{-1}$ per $kg\ m^{-3}$	120.0
Fraction of site with hard or vegetative cover	$m^2\ m^{-2}$	0.80

VAPOUR MODEL		
Use default soil gas ingress rate	☑	
Default soil gas ingress rate	$cm^3\ s^{-1}$	150.00
Depth to top of source (beneath building)	cm	65
Depth to top of source (no building)	cm	0
Use limited source thickness	☐	
Thickness of contaminant layer	cm	200
Time average period for surface emissions	years	6
User defined effective air permeability	cm^2	3.05E-08

STEP 5: RESULTS

Find AC | Print Reports | Back to Guide

		Ratio of ADE to relevant Health Criteria Value			Soil Assessment Criteria			SAC Flag	Soil Saturation Limit	Pathway Contributions (%)									
		oral HCV	inhal HCV	Combined	oral HCV	inhal HCV	Combined	Current SAC used for determining pathway contributions		direct soil ingestion	sum of consumption of homegrown produce and attached soil	dermal contact (indoor)	dermal contact (outdoor)	inhalation of dust (indoor)	inhalation of dust (outdoor)	inhalation of vapour (indoor)	inhalation of vapour (outdoor)	oral background	inhalation background	Total
Number	Chemical	(dimensionless)	(dimensionless)	(dimensionless)	mg kg^{-1}	mg kg^{-1}	mg kg^{-1}	(unitless)	mg kg^{-1}	%	%	%	%	%	%	%	%	%	%	%
1	Carbon disulphide	0.00	0.00	0.00					9.11E+03	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
2	Xylene, o-	0.00	0.00	0.00					2.62E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28	92.72	100.00
3	Xylene, m-	0.00	0.00	0.00					3.46E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28	92.71	100.00
4	Xylene, p-	0.00	0.00	0.00					3.17E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.28	92.71	100.00
5	Styrene	0.00	0.00	0.00					3.96E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.77	91.23	100.00
6	Trichloroethene	0.00	0.00	0.00					7.14E+03	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	100.00
7	Tetrachloroethene	0.00	0.00	0.00					2.18E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.03	95.97	100.00
8	1,1,1-Trichloroethane	0.00	0.00	0.00					6.39E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	99.94	100.00
9	Aliphatic >C5-C6	0.00	0.00	0.00					1.21E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.73	51.27	100.00
10	Aliphatic >C8-C10	0.00	0.00	0.00					4.90E+02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.03	72.97	100.00
11	Aliphatic >C10-C12	0.00	0.00	0.00					2.98E+02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.03	72.97	100.00
12	Aromatic >EC5-EC7	0.00	0.00	0.00					5.54E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.52	35.48	100.00
13	Aromatic >EC7-EC8	0.00	0.00	0.00					4.71E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.52	35.48	100.00
14	Aromatic >EC8-EC10	0.00	0.00	0.00					3.61E+03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.11	57.89	100.00
15	2-Propanone (Acetone)	0.00	0.00	0.00					2.42E+05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.51	86.48	100.00
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				

APPENDIX G

Havant Borough Council Environmental Health Response (27th April 2021)

HAVANT BOROUGH COUNCIL

Town & Country Planning Act 1990

Consultation on Planning Application

MEMORANDUM

From:	**Environmental Health**	**To:**	**Development Control**
Our Ref:	CONS/21/01300	**Your Ref:**	APP/21/00200
EH Case Officer Extn:	44 6677	**Date:**	27 April 2021

DC Case Officer: Daphney Haywood (CC David Eaves)
DC Case Officer Extn: 44 6513
Application Number: APP/21/00200
Site Address: 32 New Lane, Havant, PO9 2NG
Proposed Development: Demolition of existing buildings and redevelopment of site comprising erection of distribution warehouse (class B8) with ancillary offices and related facilities, vehicle storage deck, new access, landscaping and associated infrastructure. [Progress Chase]

Observations / Comments:

Comments here relate to physical pollution, air quality (and air-quality-relevant aspects of development), and ground contamination. Comments are provided in respect of construction management, but these are limited in respect of loss of amenity due to noise impacts.

I will leave it to my nuisance / amenity focussed colleagues to comment on the noise impact assessment, and lighting strategy.

Summary

- The Construction Management Plan is considered adequate to manage dust emissions and development-phase air pollution impacts. It is recommended to list the plan as an approved document. No condition is proposed.
- I would raise a holding-objection on the basis that the development transport demand (trip generation potential) has not been sufficiently robustly defined, undermining the conclusions of the submitted air quality assessment
- Highways Agency concerns about the assessment of the impact of development traffic are supported.
- Concerns raised by the New Lane Community group about development traffic routing via New Lane / Beechworth Road are supported. Assessment of this routing option could require consideration of the air quality impact of development.
- The proposals are considered to have made a reasonable and proportionate response to emerging Air Quality policy E23 a. (development-emissions offsetting). No objections on this basis.
- Further assessment o address the holding objection referred to above may justify additional air quality mitigation under the principles of policy E23 c. (air quality impact mitigation)
- The draft surface water drainage strategy (SuDS) represents best practice for pollution prevention, and is supported.

- The contamination assessment is accepted. Amendments are required to the suite of conditions proposed by the Environment Agency in order to bring risks to human health into scope, and to ensure that the applicant is not unduly constrained by a strict interpretation of the provisions of the Grampian condition (EA proposed Condition 1)

Air Quality – Impact Assessment, Construction Phase (Construction Management Plan)

Comments relate to the Delta Simons Air Quality Assessment Report Ref: 20-1275.01 iss.2 (April 2021) & the TSL Construction Management Plan dated 12/01/21 issue 1.

The Air Quality report concluded that unmitigated construction activities would represent up to high risk of dust soiling impacts and medium risk of increases in particulate matter concentrations, but that through the implementation of suitable mitigation measures, the effect of dust and PM10 releases would be significantly reduced (to a low/negligible risk). Suggested measures are outlined within section 6.1, and these measures are agreed to represent good practice.

The measures given in section 6.1 of the air quality report are broadly represented in the TSL management plan. I would recommend that the TSL management plan be listed as an approved supporting document comprising an integral part of the scheme, so as to make it's contents (in principle) 'enforceable'. I don't believe that a specific compliance condition is strictly necessary.

If the Development Management service considers it necessary to include a specific condition requiring that the CMP be observed, please let me know and I will draft some condition wording which refers to compliance the submitted framework document & establishes a requirement for LPA approval to be obtained for revisions in respect of certain sections (e.g. working hours, dust suppression etc.).

Air Quality – Impact Assessment, Operational Phase

Comments relate to the Delta Simons Air Quality Assessment Report Ref: 20-1275.01 iss.2 (April 2021).

The report refers to the EPUK & IAQM industry guidance 'planning for air quality' v1.2 2017 in determining significance of any changes to local air quality. The report does reference both National & Local Policy, but does not recognise that the industry guidance pre-dates both the NPPF & LP2036 Policies, nor that there is a compelling argument to make that the significance scales given within the industry guidance is no longer compatible with prevailing policy. Relevant illustrative text from the NPPF is quoted within the report.

In addition, emerging policy from the LP2036 deliberately aims to better the degree of protection offered by the industry guidance, and the extant policy (DM10) includes wording which is compatible with the latest version of the NPPF (i.e. including 'health' focus in addition to a 'standards focus'. I refer to this policy context in light of uncertainty in the reliability of the outputs of the assessment, and of the conclusions that are based upon these outputs.

I note that the baseline traffic figures used for the assessment are crude; there is poor resolution in traffic flow estimates between road links and the figures quoted do not appear to correspond to the values given by the referenced source; differing substantially in the estimate of proportion of traffic representing HGV's, for example. Some values attributed to key road links differ significantly from estimates used in assessments undertaken for other developments – differing by up to a -1/3rd (Park Road North / Park Road South in particular). This will reduce the accuracy of the model. Where the verification points are close to the affected road links (e.g. DT22), this will serve to increase the magnitude of the adjustment factor that needs to be applied. Where verification points are not on affected road links (e.g. if adjacent to an accurately characterised link, effects will not be fully accounted for within the verification process.

It should also be noted that the quantitative assessment of development impact is based upon overall operational trip generation figures and 'net change in trip generation' estimates which are both disputed by the Highways Authority. This raises doubts as to the validity (or 'representativeness') of the estimate of development impact (both in highway, and air quality terms).

Contradictory (development operational-phase traffic) trip distributions are also given in the transport assessment, understood to be a result of a typographical error. Allocation of the development trips to the local road network is not stated clearly in the report, and is only possible to derive by calculation. It appears the air quality assessment may have been based upon a distribution broadly corresponding to Table 5.8 of the traffic assessment (though full calculations have not been undertaken). Table 5.8 is expected to represent the 'correct' figures. Given that 57% of development traffic being expected to access the strategic road network ('SRN', A27) at the Havant Junction (approaching from the local road network, 'LRN'), and Park Road (North / South) is a road link where kerbside exceedances of national air quality standards are known to be likely to occur at junctions; I am unclear as to why no receptors have been considered on this route.

The residents of Cardinal House (on the corner of Park Road South & Elm Lane are considered to represent the worst-case receptor, and the omission of this receptor undermines confidence in the conclusions of the assessment.

In terms of the actual volume of traffic accounted for, it would appear the air quality assessment has considered a net growth in traffic demand as +599 as 'total vehicles, AADT'. The vehicle type distribution assumed is unclear, and I note that both the net-change in flows and the development traffic routing choices assumed (considered as a binary choice from site access) both differ from the net figures given in the transport assessment (from -90 to +466 depending on scenario & 70/30 direction split, given in the transport assessment, compared with +566 & 60/40 split in the air quality assessment). This is illustrative of the 'fluidity' of estimates of transport demand, which I will return to in the sections below.

I would conclude that the air quality assessment has-;

- been based upon baseline figures of poor resolution which differ from the quoted source in both overall volume estimates and in vehicle fleet composition. Additional justification is required for these figures.
- accounted for an AADT net change in 'total traffic' which has not been agreed with the Highways Authority to be either reasonable or robust, and which may differ substantially from the 'true' net change associated with this development
- omitted a receptor which is arguably the most sensitive to changes in air quality, and;
- has referred to industry guidance which is not fully compatible with either local policy

It would seem to me to be irrational to accept the conclusions of an air quality assessment which is based upon a baseline scenario which is poorly justified, and a development impact scenario which has not been agreed to be reasonable. I would recommend that the assessment be considered to have been 'rejected' until these aspects have been resolved.

In the event that the justification for the baseline scenario cannot be agreed, or that the Highways Authority will only agree a development impact scenario which differs significantly from that accounted for within the air quality report, it may be necessary to update the air quality assessment. Otherwise, following receipt of those assurances it may be possible to accept the report.

Development Transport Demand - General (Air Quality)

Comments here refer to the general scheme particulars, the Vectos Transport Statement dated

February 2021, the Delta Simons Air Quality Assessment Report Ref: 20-1275.01 iss.2 (April 2021), and relevant representations made by consultees and local community groups.

I note that paragraph 4.4 of the Transport Statement suggests that *'the vehicle movements associated with the proposed development are already on the local road network as the proposed end user currently operates within the Havant area.'*. I would challenge this statement on the basis that Table 5.6, which forms the basis of the 'trip distribution gravity model' indicates that 5% of freight delivery trips will be accounted for within the Havant Area. Given that the trip distribution model is based upon population density, it may be assumed that the employee commuting trips broadly correspond to the delivery demand distribution. Given that the operator doesn't currently operate *from* the borough, it may be assumed that the majority of HGV trips have both an origin & destination external to the borough, even though they may pass through the borough on the national strategic road network (A27 / A3(M)).

I would concede that the statement quoted above is probably true in relation to the 'regional road network', but it is unlikely to apply to the local road network within the Havant district, and it is the impact to the local road network that is most important when considering both the highway impact and the environmental impact of the development transport demand. This is relevant to the concept of 'net' development impact, and I would caution against accepting an offsetting of development trips from it's net impact on the basis that a significant number of these trips are already on the local road network – this is very unlikely to apply to any more than 10% of trips, and may even be <5%.

It should be noted that whilst the HA considers gravity distribution model to be robust, the net generation figures have not been agreed. The Highways Authority requires additional junction modelling to be undertaken once a credible net figure has been agreed – as is suggested in the section above, it may be appropriate to update the air quality assessment model to reflect the agreed figures.

The Highways Agency objections relate to the degree of 'netting', meaning the degree to which the transport demand of the operational Pfizer site (whether theoretical, based upon consented floor area by landuse type, or whether based upon actual demand at a given date -) may be offset against the estimated transport demand of the proposed development. What is not called in to question per se is the transport demand estimate for the proposed development under the intended occupant's target operational model.

As regards the transport demand estimate for the proposed development, section 5.4 states *"The methodology of calculating traffic movements is based on the experience from* [operating the sites listed in Appdx.G] *and is applied to each proposed site on the basis of the number of parcels the site can process in a day, the number of vans operating from a site and the modal split journey to work for the area. This methodology is how the traffic data from the proposed development has been calculated."*.

The methodology referred to at 5.4 remains opaque; it is not presented, nor explained in any greater anecdotal detail than described in the quote above. With reference to the data provided in Appendix F of the Transport Statement, I note that it omits the modal split which is apparently available with reference to table 5.1. It appears that there is additional detail available that has not been included within the Transport statement.

I note that some well organised community representation has been made which calls into question the likely trip demand of the development (and so the highway and air quality impact). With reference to certain statements given in the Transport Assessment, the scheme particulars, and to the transport demand estimates given; it would appear that closer scrutiny of the origin of the transport demand figures may be justified.

In particular, it would appear that the operational provision sought under the proposed scheme is substantially elevated relative to the identified need. This applies to both the employee parking space provision as it does to the capacity of the van storage deck, despite statements given at Section 4.25 which argues that the capacity sought is essential for operational efficiency and the viability of the site.

By my calculation, anticipated car trips account for 86% of the parking quantum, ignoring the capacity of the van storage deck for the parking of driver's vehicles. Van storage deck utilisation accounted for is approximately 58%, implying that a 30% reduction in quantum would not harm the viability of the site.

The contrary conclusion is that this apparently redundant capacity is required for anticipated expansion of the operation at the site, which would mean that the transport demand figures given in the Transport Assessment, upon which both the air quality & highway impact assessments are based, may not fully reflect the intended transport demand of the development (i.e. the transport demand that is within scope of the consent under consideration).

It may be worth considering the point in time that the methodology referred to at 5.4 estimates the operational transport demand – it could be that it aims to estimate trip generation at the year of opening, or at a specific point in time (year 3, year 5 etc.). *It appears unlikely that the estimates represent target capacity, or maximum capacity*.

This may be relevant to the consideration of a number of relevant policy matters – including whether the over-provision of parking spaces relative to SPD requirements is sufficiently supportive of sustainable transport policy, for example.

I am mindful of shifting trends in retail which no doubt underpins the business justification for this development, and would of course anticipate that a range of operational scenario's may arise in practice. I would anticipate that for consideration of highway or air quality impact, consideration of a worst case scenario might be helpful (e.g. max. operational capacity) or a 'bracketing' approach may be appropriate (e.g. middle estimate, compared with a target operational capacity or maximum feasible capacity).

It is expected that these matters will comprise material matters for the scheme currently under consideration.

Development Transport Demand – Distribution, "Rat-Running" (Air Quality)

I have reviewed the representation of the 'New Lane Neighbourhood' ('NLN') group (response to the Highways Authority comments). The response provides an arguably rather unrealistic worst case as a counter to the rather opaque 'middle estimate' accounted for within the application documents. I have addressed the issue of the overall development transport demand in the sections above.

The bulk of the NLN representation concerns the LGV routing likely to arise in practice. I have considered the routes suggested, and would dismiss a number of them as not making sensible routing choices for day-to-day operational traffic. Some represent routes that could be helpful when problems exist on principle routes, but other routes highlighted fail to bypass strategic junctions on principle routes, and so don't make good alternatives even under abnormal (congested) traffic conditions.

The exception to this is the Southbound routing option to A27 Warblington via New Lane, Beechworth Road, East Street & Emsworth Road. This route is more than 2km shorter than the anticipated route to this junction, and both routes are hampered by a controlled rail crossing that is

not permanently available. This route would be preferable for all Westbound trips during peak periods or when abnormal conditions have caused congestion on the B2149 which hampers access to the A27 at Havant. It may be justified to consider the attractiveness of this route, and to assess the likely development impact along it's route.

I am mindful that the planning process has limited power to control the routing of road-legal vehicles on the adopted highway network – for this reason I would consider this to be a matter of properly assessing the likely highway impact (and securing any necessary mitigation), rather than being an argument for seeking to control the routing of development traffic.

Air Quality – Emissions Offsetting and Sustainability

I would acknowledge the applicant's positive response to comments about the loss of existing PV generation capacity, and the commitment to provide a PV provision within the development, as well as making a commitment to meet emerging policy requirements for sustainable construction.

The Electric vehicle charging provision of 20% van storage deck spaces, with the remaining 80% serviced with passive infrastructure to support future expansion is considered to be a proportionate response which represents good practice.

Other suggestions made at the pre-planning consultation have not been incorporated into the scheme design, but I do note that the scheme brought forward does have an enhanced landscaping scheme which will result in a net gain of 'air pollution interception & absorption' services within the development red-line area.

Whilst neither the Air Quality assessment, the Design & Access Statement, nor the Planning Statement make a specific response to the requirements of emerging policy E23 a., I would acknowledge that the above factors substantially contribute to the policy aims embodied by E23 a.. As such, I would raise no objections to the development on this basis.

SuDS – Surface Water Drainage (Pollution Prevention)

I note that 5no. proprietary petrol interceptors are included on the drainage network, and that a final stage of treatment via an Aco Quadraceptor* unit is proposed. All high-risk areas of the site are appropriately directed via the proprietary treatment units.

Coupled with the permeable surfacing to parking areas, the outline surface water drainage scheme exceeds the SuDS manual Ch.26 requirements for pollution control, representing best practice. The drainage proposals are supported on this basis.

Contaminated Land Assessment

Comments here refer to the EPS Ltd. Phase I Environmental Assessment Report Ref: UK20.5052 iss.4 (25/01/2021). Representations made by relevant consultees have been reviewed.

The assessment refers to a number of prior intrusive investigation reports which identified the presence of contamination in various areas of the site. Some remediation is referred to, alongside report conclusions which characterise the contamination as 'not requiring remediation'.

Some of the reports referenced have been previously reviewed by Environmental Health, others have not been submitted to the Council previously to the best of my knowledge.

I would highlight that both the conclusions of reports, and the standards of remediation that have been accepted in the past are applicable to the context of the site at the time of the assessment

(or acceptance by Havant Borough Council). It should be noted that this context may differ under a scenario of 'comprehensive redevelopment' of the site.

The broad conclusions of the EPS Ltd. Phase I report are accepted. However, I do have some limited comments to make;

- Paragraph 7.3 envisages the primary risk drivers to be secondary aquifer & local surface water's (e.g. the Lavant) alongside the health of future employees of the site. The identified receptors / risk drivers are not disputed, however I would highlight that off-site migration of contaminants to 'contamination sensitive' human receptors that are external to the development red-line area may also represent a significant risk driver. This has been the case for other investigations / remediations in the vicinity of this site.
- Paragraph 7.3 also suggests that sufficient information is available to 'outline' a 'remediation strategy'. I would challenge the 'face value' interpretation of this statement, at least in the absence of a comprehensive synopsis of available results to present a comprehensive site conceptual model which accounts for the result of investigations which have not to date been reported to the Council.
- It is worth noting that the 'remediation strategy' is envisaged within the report to have broad scope, including both an 'assessment of data gaps', and 'additional phases of investigation'. I might disagree the overlapping distinction between the terms 'remediation' and 'assessment' given in the report, these conclusions are accepted.
- A 'high level' data-gap assessment has identified that for further Site investigation, understood to be underway. The assessment targets are broadly agreed, although I would like to see some additional stratified-random trial holes across the site in order to bolster knowledge of the general context of the site (to support statistical assessments & identification of discrete contamination sources / contamination-impacted areas) .

The report acknowledges that additional work is required, and that the Local Planning Authority is likely to seek to secure this work by means of a Grampian-style planning condition. I note that the Environment Agency has requested a suite of conditions to this effect, and also that Portsmouth Water has made a pragmatic assessment in respect of the risks to the principle (abstracted) aquifer (with which I would concur).

The planning agent has also made representation directly to Environmental Health in respect to the contamination assessment, and the imposition of related conditions. I have reviewed the proposed wording of the Environment Agency conditions, and would note that it omits wording commonly used by Environmental Health to support a flexible approach to commencement & condition discharge, which the planning agent would prefer to be used in the event that conditions are sought. I would suggest that it would be helpful to apply consistent 'reason' for each 'contamination-related' condition, and to amend the reasons proposed by the Environment Agency to consistently include human health within the scope of the conditions.

Suggested revisions are presented below:

Condition 1

Prior to the commencement of any specific phase of development approved by this planning permission (other than demolition, site clearance, or any other date or stage in development as may be agreed in writing with the Local Planning Authority), an assessment of the nature and extent of contamination at the site shall be submitted to and approved in writing by the Local Planning Authority.

The assessment may comprise separate reports as appropriate, but shall be undertaken by competent persons and unless specifically excluded in writing by the Local Planning Authority, shall include;

1) *An intrusive site investigation based on the previous assessments summarised within the EPS Ltd. Phase I Environmental Assessment Report Ref: UK20.5052 iss.4 (25/01/2021); to provide sufficient data and information to adequately identify &*

characterise any physical contamination on or affecting the site, and to inform an appropriate assessment of the risks to all identified receptors.

2) *The results of an appropriate risk assessment based upon (1), and where unacceptable risks are identified, a Remediation Strategy that includes;*
   - *appropriately considered remedial objectives,*
   - *an appraisal of remedial &/or risk mitigation options, having due regard to sustainability, and;*
   - *clearly defined proposals for mitigation of the identified risks.*

3) *A verification plan providing details of the data that will be collected in order to demonstrate that the works set out in the Remediation Strategy in (2) are complete and identifying any requirements for longer-term monitoring of pollutant linkages, maintenance and arrangements for contingency action.*

All elements shall be adhered to unless agreed in writing by the Local Planning Authority

Reason: *Potentially contaminating activities have been identified on this site. In particular, various pharmaceutical and other industrial activities have been highlighted. The site is above the secondary superficial aquifer which would be considered a moderately sensitive controlled water receptor. The chalk principal aquifer and associated SPZ1c occurs at depth beneath the site under a layer of London clay. The chalk would be considered a highly sensitive controlled water receptor. Alongside the health of future occupants of the development land, and the health of occupiers of adjacent land, these receptors could potentially be impacted by contamination present on this site. To ensure that the development does not contribute to, and is not put at unacceptable risk from- or adversely affected by-, unacceptable levels of contamination, in line with policy DM10 of the Havant Borough Local Plan (Core Strategy) 2011, DM17 of the Havant Borough Local Plan (Allocations) [2014], and paragraphs 178-180 of the National Planning Policy Framework."*

Condition 2

[As Environment Agency wording, with 'reason' substituted with that given below]

Reason: *To ensure that the development does not contribute to, and is not put at unacceptable risk from- or adversely affected by-, unacceptable levels of contamination, in line with policy DM10 of the Havant Borough Local Plan (Core Strategy) 2011, DM17 of the Havant Borough Local Plan (Allocations) [2014], and paragraphs 178-180 of the National Planning Policy Framework."*

Condition 3

[As Environment Agency wording, with 'reason' substituted with that given below]

Reason: *To ensure that the site does not pose any further risk to human health or the water environment by demonstrating that the requirements of the approved verification plan have been met and that remediation of the site is complete. This is in line with policy DM10 of the Havant Borough Local Plan (Core Strategy) 2011, DM17 of the Havant Borough Local Plan (Allocations) [2014], and paragraphs 178-180 of the National Planning Policy Framework."*

Condition 4

[As Environment Agency wording, with 'reason' substituted with that given below]

Reason: *To ensure that the proposed Piling or other deep foundation does not harm groundwater resources, in line with policy DM10 of the Havant Borough Local Plan (Core Strategy) 2011, DM17 of the Havant Borough Local Plan (Allocations) [2014], and paragraphs 178-180 of the National Planning Policy Framework."*

Mr. Jonathan Driver
Environmental Control Officer

7B Caxton House
Broad Street
Cambourne
Cambridge CB23 6JN

T +44 (0) 1954 710666
F +44 (0) 1954 710677
E info@epstrategies.co.uk
W www.epstrategies.co.uk

Registered Number: 4330320

ISO 9001
Certificate No. GB2003472

SafeContractor
APPROVED

CHAS
Accredited Contractor
CHAS.co.uk