

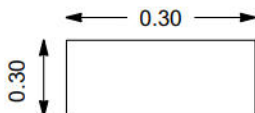
APPENDIX G

HAND PIT LOGS

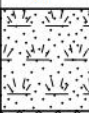
HAND PIT LOG

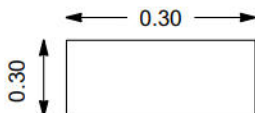
Contract: Arundel Gas Works		Client: Oakford Homes Ltd		Trial Pit: HP01 Block A
Contract Ref: 305336	Start: 13.08.25 End: 13.08.25	Ground Level (m AOD): ---	National Grid Co-ordinate: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instrumentation	Description of Strata	Depth (Thickness)	Material Graphic Legend
Depth	No	Type	Results					
0.10-0.15	1	ES				TOPSOIL: Brown slightly gravelly silty fine to coarse SAND with abundant organic material and frequent rootlets. Gravel is subangular to subrounded fine to coarse sandstone and flint.	(0.15)	
						Light brown to grey slightly gravelly silty fine to coarse SAND with rare brick fragments. Gravel is subrounded to subangular fine to coarse sandstone and flint.	0.15	
							(0.30)	
						Hand pit terminated on orange geo-textile membrane at 0.45 m bgl.	0.45	

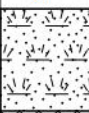
Plan (Not to Scale) 		General Remarks 1. Position scanned with a CAT and Genny prior to excavation. 2. The hand pit remained dry and stable during excavation. 3. On completion the hand pit was backfilled with arisings.	
Method Used: Hand dug		Plant Used: Hand tools	
Logged By: Ellis Press		Checked By: 	
Scale: 1:11			

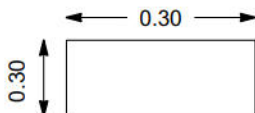
Contract: Arundel Gas Works		Client: Oakford Homes Ltd		Trial Pit: HP02 Block A
Contract Ref: 305336	Start: 13.08.25 End: 13.08.25	Ground Level (m AOD): ---	National Grid Co-ordinate: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instru-mentation	Description of Strata	Depth (Thick-ness)	Material Graphic Legend
Depth	No	Type	Results					
0.30-0.35	1	ES				TOPSOIL: Light brown to yellowish brown slightly gravelly silty fine to coarse SAND with abundant organic material and frequent roots and rootlets. Gravel is subangular to subrounded fine to coarse flint and sandstone.	(0.15)	
						Light brown gravelly silty fine to coarse SAND with low cobble content and rare brick fragments. Gravel is subangular to subrounded fine to coarse flint and sandstone. Cobbles are subrounded flint.	0.15	
							(0.30)	
						Hand pit terminated on orange geo-textile membrane at 0.45 m bgl.	0.45	

Plan (Not to Scale)		General Remarks		
		- Position scanned with a CAT and Genny prior to excavation. - The hand pit remained dry and stable during excavation. - On completion the hand pit was backfilled with arisings.		
		All dimensions in metres		Scale: 1:11
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Ellis Press	Checked By: 	

Contract: Arundel Gas Works		Client: Oakford Homes Ltd		Trial Pit: HP03 Block A
Contract Ref: 305336	Start: 13.08.25 End: 13.08.25	Ground Level (m AOD): ---	National Grid Co-ordinate: ---	Sheet: 1 of 1

Samples and In-situ Tests				Water	Backfill & Instru-mentation	Description of Strata	Depth (Thick-ness)	Material Graphic Legend
Depth	No	Type	Results					
0.40-0.45	1	ES				TOPSOIL: Light brown to yellowish brown slightly gravelly silty fine to coarse SAND, with abundant organic material and frequent roots and rootlets. Gravel is subangular to subrounded fine to coarse flint and sandstone.	(0.15)	
						Light brown gravelly silty fine to coarse SAND with low cobble content. Gravel is subangular to subrounded fine to coarse flint and sandstone. Cobbles are subrounded flint.	0.15	
							(0.30)	
							0.45	
Hand pit terminated on orange geo-textile membrane at 0.45 m bgl.								

Plan (Not to Scale)		General Remarks		
		- Position scanned with a CAT and Genny prior to excavation. - The hand pit remained dry and stable during excavation. - On completion the hand pit was backfilled with arisings.		
		All dimensions in metres	Scale:	1:11
Method Used: Hand dug	Plant Used: Hand tools	Logged By: Ellis Press	Checked By:	

Exploratory Position ID:

Garden validation inspections

**SAMPLE
DESCRIPTIONS****Logged By:** George Andrew**Logged Date:** 22/08/2025

Sample Ref	Sample Type	PID reading (ppmV)	Depth (mbgl)	Sample Description
HP04 – Block A	ES T+J+V	0.0	0.05 – 0.10	TOPSOIL: Bown slightly gravelly silty fine to coarse SAND with abundant organic material and wood chips. Gravel is subangular to subrounded fine to coarse sandstone and flint.
HP04 – Block A	ES T+J+V	0.0	0.10 – 0.15	TOPSOIL: Bown slightly gravelly silty fine to coarse SAND with abundant organic material and wood chips. Gravel is subangular to subrounded fine to coarse sandstone and flint.



Compiled By

Date

Checked By

Date

George Andrew

12/11/25

Caroline Anderson

12/11/25

Contract:

Former Gas Works, Ford Road, Arundel

Contract Ref: 305336

Page:

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APPENDIX H

LABORATORY CERTIFICATES

George Andrew
RSK
Abbey House
Premier Way
Abbey Park Industrial Estate
Romsey
SO51 9AQ

Normec DETS Limited
Unit 1
Rose Lane Industrial Estate
Rose Lane
Lenham Heath
Kent

DETS Report No: 25-06820

Site Reference: Former Arundel Gas Works

Project / Job Ref: 305336

Order No: PO2164457

Sample Receipt Date: 23/07/2025

Sample Scheduled Date: 24/07/2025

Report Issue Number: 1

Reporting Date: 01/08/2025

Authorised by:

Steve Knight
Customer Support Manager

Dates of laboratory activities for each tested analyte are available upon request.

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

Soil Analysis Certificate

DETS Report No: 25-06820	~Date Sampled	22/07/25	22/07/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	SP1	SP2			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: PO2164457	~Depth (m)	None Supplied	None Supplied			
Reporting Date: 01/08/2025	DETS Sample No	783898	783899			

Determinand	Unit	RL	Accreditation					
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO17025	Not Detected	Not Detected			
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1			
Arsenic (As)	mg/kg	< 2	MCERTS	10	13			
Barium (Ba)	mg/kg	< 2.5	MCERTS	66.6	67.0			
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5	< 0.5			
Boron (B)	mg/kg	< 10	NONE	< 10	< 10			
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	< 0.2	< 0.2			
Chromium (III)	mg/kg	< 2	NONE	11	14			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	11	14			
Lead (Pb)	mg/kg	< 3	MCERTS	38	50			
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	7	8			
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2			
Vanadium (V)	mg/kg	< 1	MCERTS	23	29			
Zinc (Zn)	mg/kg	< 3	MCERTS	50	65			

Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 25-06820	~Date Sampled	22/07/25	22/07/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	SP1	SP2			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: PO2164457	~Depth (m)	None Supplied	None Supplied			
Reporting Date: 01/08/2025	DETS Sample No	783898	783899			

Determinand	Unit	RL	Accreditation			
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	10	< 10	
Aliphatic >C34 - C44	mg/kg	< 10	NONE	< 10	< 10	
Aliphatic (C5 - C44)	mg/kg	< 21	NONE	< 21	< 21	
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	< 2	< 2	
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	8	
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	32	21	
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	
Aromatic (C5 - C44)	mg/kg	< 21	NONE	32	29	
Total >C5 - C44	mg/kg	< 42	NONE	42	< 42	

Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 25-06820	~Date Sampled	22/07/25	22/07/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	SP1	SP2			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02164457	~Depth (m)	None Supplied	None Supplied			
Reporting Date: 01/08/2025	DETS Sample No	783898	783899			

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

Soil Analysis Certificate - Volatile Organic Compounds (VOC)

DETS Report No: 25-06820	~Date Sampled	22/07/25	22/07/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	SP1	SP2			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02164457	~Depth (m)	None Supplied	None Supplied			
Reporting Date: 01/08/2025	DETS Sample No	783898	783899			

Determinand	Unit	RL	Accreditation			
Dichlorodifluoromethane	µg/kg	< 5	MCERTS	< 5	< 5	
Vinyl Chloride	µg/kg	< 5	MCERTS	< 5	< 5	
Chloromethane	µg/kg	< 10	MCERTS	< 10	< 10	
Chloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Bromomethane	µg/kg	< 10	MCERTS	< 10	< 10	
Trichlorofluoromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
MTBE	µg/kg	< 5	MCERTS	< 5	< 5	
trans-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
cis-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
2,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Chloroform	µg/kg	< 5	MCERTS	< 5	< 5	
Bromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,1-Trichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloropropene	µg/kg	< 10	MCERTS	< 10	< 10	
Carbon Tetrachloride	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Benzene	µg/kg	< 2	MCERTS	< 2	< 2	
1,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Trichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromodichloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
Dibromomethane	µg/kg	< 5	MCERTS	< 5	< 5	
TAME	µg/kg	< 5	MCERTS	< 5	< 5	
cis-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5	
Toluene	µg/kg	< 5	MCERTS	< 5	< 5	
trans-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,2-Trichloroethane	µg/kg	< 10	MCERTS	< 10	< 10	
1,3-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Tetrachloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
Dibromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dibromoethane	µg/kg	< 5	MCERTS	< 5	< 5	
Chlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,1,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Ethyl Benzene	µg/kg	< 2	MCERTS	< 2	< 2	
m,p-Xylene	µg/kg	< 2	MCERTS	< 2	< 2	
o-Xylene	µg/kg	< 2	MCERTS	< 2	< 2	
Styrene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromoform	µg/kg	< 10	MCERTS	< 10	< 10	
Isopropylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,2,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,2,3-Trichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
n-Propylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
2-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5	
1,3,5-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
4-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5	
tert-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2,4-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
sec-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
p-Isopropyltoluene	µg/kg	< 5	MCERTS	< 5	< 5	
1,3-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,4-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
n-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dibromo-3-chloropropane	µg/kg	< 10	MCERTS	< 10	< 10	
Hexachlorobutadiene	µg/kg	< 5	MCERTS	< 5	< 5	

Soil Analysis Certificate - Semi Volatile Organic Compounds (SVOC)

DETS Report No: 25-06820	~Date Sampled	22/07/25	22/07/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	SP1	SP2			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02164457	~Depth (m)	None Supplied	None Supplied			
Reporting Date: 01/08/2025	DETS Sample No	783898	783899			

Determinand	Unit	RL	Accreditation			
Phenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
1,2,4-Trichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Nitrobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
0-Cresol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
bis(2-chloroethoxy)methane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
bis(2-chloroethyl)ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4-Dichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2-Chlorophenol	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,3-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,4-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,2-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2,4-Dimethylphenol	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15	
Isophorone	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Hexachloroethane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
p-Cresol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15	
2,4,6-Trichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4,5-Trichlorophenol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15	
2-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Chloro-3-methylphenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
2-Methylnaphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Hexachlorocyclopentadiene	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Hexachlorobutadiene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2,6-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Dimethyl phthalate	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
2-Chloronaphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
4-Chloroaniline	mg/kg	< 0.15	NONE	< 0.15	< 0.15	
4-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Chlorophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
3-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Bromophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Hexachlorobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Diethyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Dibenzofuran	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Azobenzene	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Dibutyl phthalate	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
Carbazole	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
bis(2-ethylhexyl)phthalate	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15	
Benzyl butyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Di-n-octyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	

Soil Analysis Certificate - Sample Descriptions	
DETS Report No: 25-06820	
RSK	
~Site Reference: Former Arundel Gas Works	
~Project / Job Ref: 305336	
~Order No: PO2164457	
Reporting Date: 01/08/2025	

DETS Sample No	~TP / BH No	~Additional Refs	~Depth (m)	Moisture Content (%)	Sample Matrix Description
783898	SP1	None Supplied	None Supplied	9.9	Brown sandy clay with stones
783899	SP2	None Supplied	None Supplied	10.2	Brown sandy clay

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

Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 25-06820
RSK
~Site Reference: Former Arundel Gas Works
~Project / Job Ref: 305336
~Order No: PO2164457
Reporting Date: 01/08/2025

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphénylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of FOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

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

Certificate Key

Symbol	Description
F	Filtered sample
UF	Unfiltered sample
D	Dried sample
AR	As received sample
RL	Reporting limit
~	Sample details provided by customer and can affect the validity of results
M/S	Missing Sample
*	The Dutch 10 PAH compounds consist of Naphthalene, Anthracene, Phenanthrene, Fluoranthene, Benz(a)anthracene, Chrysene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene, and Indeno(1,2,3-cd)pyrene
**	Total EPA-16 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(ghi)perylene.
***	Total WAC-17 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(ghi)perylene and Coronene.
^	No sampling date provided; unable to confirm if samples are within acceptable holding times
n	Please note that we are MCERTS soil accredited (UK soils only) for sand, loam, and clay, and UKAS accredited for groundwater, tap water, surface water, and generated leachates. Other matrices are outside our scope of accreditation.
S	Subcontracted analysis
M	MCERTS accredited test
U	UKAS accredited test

George Andrew
RSK
Abbey House
Premier Way
Abbey Park Industrial Estate
Romsey
SO51 9AQ

Normec DETS Limited
Unit 1
Rose Lane Industrial Estate
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Lenham Heath
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ME17 2JN

DETS Report No: 25-07798

Site Reference: Former Arundel Gas Works

Project / Job Ref: 305336

Order No: P02165603

Sample Receipt Date: 01/09/2025

Sample Scheduled Date: 01/09/2025

Report Issue Number: 1

Reporting Date: 09/09/2025

Authorised by:



Steve Knight
Customer Support Manager

Dates of laboratory activities for each tested analyte are available upon request.

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

Soil Analysis Certificate

DETS Report No: 25-07798	~Date Sampled	22/08/25	22/08/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	HP04 - Block A	HP05 - Block A			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02165603	~Depth (m)	0.05 - 0.10	0.10 - 0.15			
Reporting Date: 09/09/2025	DETS Sample No	788179	788180			

Determinand	Unit	RL	Accreditation	(n)				
Asbestos Screen ⁽⁵⁾	N/a	N/a	ISO17025	Not Detected	Not Detected			
Free Cyanide	mg/kg	< 1	NONE	< 1	< 1			
Arsenic (As)	mg/kg	< 2	MCERTS	9	6			
Barium (Ba)	mg/kg	< 2.5	MCERTS	72.6	96.1			
Beryllium (Be)	mg/kg	< 0.5	MCERTS	< 0.5	0.6			
Boron (B)	mg/kg	< 10	NONE	11.3	16.7			
Cadmium (Cd)	mg/kg	< 0.2	MCERTS	0.2	< 0.2			
Chromium (III)	mg/kg	< 2	NONE	11	10			
Chromium (hexavalent)	mg/kg	< 2	NONE	< 2	< 2			
Copper (Cu)	mg/kg	< 4	MCERTS	15	17			
Lead (Pb)	mg/kg	< 3	MCERTS	37	16			
Mercury (Hg)	mg/kg	< 1	MCERTS	< 1	< 1			
Nickel (Ni)	mg/kg	< 3	MCERTS	11	15			
Selenium (Se)	mg/kg	< 2	MCERTS	< 2	< 2			
Vanadium (V)	mg/kg	< 1	MCERTS	20	15			
Zinc (Zn)	mg/kg	< 3	MCERTS	57	44			

Analytical results are expressed on a dry weight basis where samples are assisted-dried at less than 30°C. The Method Description page describes if the test is performed on the dried or as-received portion
Analysis carried out on the dried sample is corrected for the stone content

Soil Analysis Certificate - TPH CWG Banded

DETS Report No: 25-07798	~Date Sampled	22/08/25	22/08/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	HP04 - Block A	HP05 - Block A			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02165603	~Depth (m)	0.05 - 0.10	0.10 - 0.15			
Reporting Date: 09/09/2025	DETS Sample No	788179	788180			

Determinand	Unit	RL	Accreditation	(n)		
Aliphatic >C5 - C6	mg/kg	< 0.01	NONE	< 0.01	< 0.01	
Aliphatic >C6 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	
Aliphatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	
Aliphatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	
Aliphatic >C12 - C16	mg/kg	< 3	MCERTS	< 3	< 3	
Aliphatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	
Aliphatic >C21 - C34	mg/kg	< 10	MCERTS	< 10	< 10	
Aliphatic >C34 - C44	mg/kg	< 10	NONE	< 10	< 10	
Aliphatic (C5 - C44)	mg/kg	< 21	NONE	< 21	< 21	
Aromatic >C5 - C7	mg/kg	< 0.01	NONE	< 0.01	< 0.01	
Aromatic >C7 - C8	mg/kg	< 0.05	NONE	< 0.05	< 0.05	
Aromatic >C8 - C10	mg/kg	< 2	MCERTS	< 2	< 2	
Aromatic >C10 - C12	mg/kg	< 2	MCERTS	< 2	< 2	
Aromatic >C12 - C16	mg/kg	< 2	MCERTS	3	< 2	
Aromatic >C16 - C21	mg/kg	< 3	MCERTS	< 3	< 3	
Aromatic >C21 - C35	mg/kg	< 10	MCERTS	< 10	< 10	
Aromatic >C35 - C44	mg/kg	< 10	NONE	< 10	< 10	
Aromatic (C5 - C44)	mg/kg	< 21	NONE	< 21	< 21	
Total >C5 - C44	mg/kg	< 42	NONE	< 42	< 42	

Soil Analysis Certificate - BTEX / MTBE						
DETS Report No: 25-07798	~Date Sampled	22/08/25	22/08/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	HP04 - Block A	HP05 - Block A			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02165603	~Depth (m)	0.05 - 0.10	0.10 - 0.15			
Reporting Date: 09/09/2025	DETS Sample No	788179	788180			

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

Soil Analysis Certificate - Volatile Organic Compounds (VOC)

DETS Report No: 25-07798	~Date Sampled	22/08/25	22/08/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	HP04 - Block A	HP05 - Block A			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02165603	~Depth (m)	0.05 - 0.10	0.10 - 0.15			
Reporting Date: 09/09/2025	DETS Sample No	788179	788180			

Determinand	Unit	RL	Accreditation	(n)		
Dichlorodifluoromethane	µg/kg	< 5	MCERTS	< 5	< 5	
Vinyl Chloride	µg/kg	< 5	MCERTS	< 5	< 5	
Chloromethane	µg/kg	< 10	MCERTS	< 10	< 10	
Chloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Bromomethane	µg/kg	< 10	MCERTS	< 10	< 10	
Trichlorofluoromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
MTBE	µg/kg	< 5	MCERTS	< 5	< 5	
trans-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
cis-1,2-Dichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
2,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Chloroform	µg/kg	< 5	MCERTS	< 5	< 5	
Bromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,1-Trichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,1-Dichloropropene	µg/kg	< 10	MCERTS	< 10	< 10	
Carbon Tetrachloride	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dichloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Benzene	µg/kg	< 2	MCERTS	< 2	< 2	
1,2-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Trichloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromodichloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
Dibromomethane	µg/kg	< 5	MCERTS	< 5	< 5	
TAME	µg/kg	< 5	MCERTS	< 5	< 5	
cis-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5	
Toluene	µg/kg	< 5	MCERTS	< 5	< 5	
trans-1,3-Dichloropropene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,2-Trichloroethane	µg/kg	< 10	MCERTS	< 10	< 10	
1,3-Dichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
Tetrachloroethene	µg/kg	< 5	MCERTS	< 5	< 5	
Dibromochloromethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dibromoethane	µg/kg	< 5	MCERTS	< 5	< 5	
Chlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,1,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
Ethyl Benzene	µg/kg	< 2	MCERTS	< 2	< 2	
m,p-Xylene	µg/kg	< 2	MCERTS	< 2	< 2	
o-Xylene	µg/kg	< 2	MCERTS	< 2	< 2	
Styrene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromoform	µg/kg	< 10	MCERTS	< 10	< 10	
Isopropylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,1,2,2-Tetrachloroethane	µg/kg	< 5	MCERTS	< 5	< 5	
1,2,3-Trichloropropane	µg/kg	< 5	MCERTS	< 5	< 5	
n-Propylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
Bromobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
2-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5	
1,3,5-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
4-Chlorotoluene	µg/kg	< 5	MCERTS	< 5	< 5	
tert-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2,4-Trimethylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
sec-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
p-Isopropyltoluene	µg/kg	< 5	MCERTS	< 5	< 5	
1,3-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,4-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
n-Butylbenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dichlorobenzene	µg/kg	< 5	MCERTS	< 5	< 5	
1,2-Dibromo-3-chloropropane	µg/kg	< 10	MCERTS	< 10	< 10	
Hexachlorobutadiene	µg/kg	< 5	MCERTS	< 5	< 5	

Soil Analysis Certificate - Semi Volatile Organic Compounds (SVOC)

DETS Report No: 25-07798	~Date Sampled	22/08/25	22/08/25			
RSK	~Time Sampled	None Supplied	None Supplied			
~Site Reference: Former Arundel Gas Works	~TP / BH No	HP04 - Block A	HP05 - Block A			
~Project / Job Ref: 305336	~Additional Refs	None Supplied	None Supplied			
~Order No: P02165603	~Depth (m)	0.05 - 0.10	0.10 - 0.15			
Reporting Date: 09/09/2025	DETS Sample No	788179	788180			

Determinand	Unit	RL	Accreditation	(n)		
Phenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
1,2,4-Trichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Nitrobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
0-Cresol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
bis(2-chloroethoxy)methane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
bis(2-chloroethyl)ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4-Dichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2-Chlorophenol	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,3-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,4-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
1,2-Dichlorobenzene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2,4-Dimethylphenol	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15	
Isophorone	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Hexachloroethane	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
p-Cresol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15	
2,4,6-Trichlorophenol	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4,5-Trichlorophenol	mg/kg	< 0.15	MCERTS	< 0.15	< 0.15	
2-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Chloro-3-methylphenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
2-Methylnaphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Hexachlorocyclopentadiene	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Hexachlorobutadiene	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
2,6-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Dimethyl phthalate	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
2-Chloronaphthalene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
4-Chloroaniline	mg/kg	< 0.15	NONE	< 0.15	< 0.15	
4-Nitrophenol	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Chlorophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
3-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Nitroaniline	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
4-Bromophenyl phenyl ether	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Hexachlorobenzene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
2,4-Dinitrotoluene	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Diethyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Dibenzofuran	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Azobenzene	mg/kg	< 0.1	NONE	< 0.1	< 0.1	
Dibutyl phthalate	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
Carbazole	mg/kg	< 0.1	ISO17025	< 0.1	< 0.1	
bis(2-ethylhexyl)phthalate	mg/kg	< 0.15	ISO17025	< 0.15	< 0.15	
Benzyl butyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	
Di-n-octyl phthalate	mg/kg	< 0.1	MCERTS	< 0.1	< 0.1	

Soil Analysis Certificate - Sample Descriptions

DETS Report No: 25-07798	
RSK	
~Site Reference: Former Arundel Gas Works	
~Project / Job Ref: 305336	
~Order No: P02165603	
Reporting Date: 09/09/2025	

DETS Sample No	~TP / BH No	~Additional Refs	~Depth (m)	Moisture Content (%)	Sample Matrix Description
788179	HP04 - Block A	None Supplied	0.05 - 0.10	10.7	Brown sandy gravel with stones
788180	HP05 - Block A	None Supplied	0.10 - 0.15	12.2	Brown loamy sand with stones and vegetation

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

Soil Analysis Certificate - Methodology & Miscellaneous Information
DETS Report No: 25-07798
RSK
~Site Reference: Former Arundel Gas Works
~Project / Job Ref: 305336
~Order No: P02165603
Reporting Date: 09/09/2025

Matrix	Analysed On	Determinand	Brief Method Description	Method No
Soil	D	Boron - Water Soluble	Determination of water soluble boron in soil by 2:1 hot water extract followed by ICP-OES	E012
Soil	AR	BTEX	Determination of BTEX by headspace GC-MS	E001
Soil	D	Cations	Determination of cations in soil by aqua-regia digestion followed by ICP-OES	E002
Soil	D	Chloride - Water Soluble (2:1)	Determination of chloride by extraction with water & analysed by ion chromatography	E009
Soil	AR	Chromium - Hexavalent	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphénylcarbazide followed by colorimetry	E016
Soil	AR	Cyanide - Complex	Determination of complex cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Free	Determination of free cyanide by distillation followed by colorimetry	E015
Soil	AR	Cyanide - Total	Determination of total cyanide by distillation followed by colorimetry	E015
Soil	D	Cyclohexane Extractable Matter (CEM)	Gravimetrically determined through extraction with cyclohexane	E011
Soil	AR	Diesel Range Organics (C10 - C24)	Determination of hexane/acetone extractable hydrocarbons by GC-FID	E004
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of saturated calcium sulphate followed by electrometric measurement	E022
Soil	AR	Electrical Conductivity	Determination of electrical conductivity by addition of water followed by electrometric measurement	E023
Soil	D	Elemental Sulphur	Determination of elemental sulphur by solvent extraction followed by GC-MS	E020
Soil	AR	EPH (C10 - C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH Product ID	Determination of acetone/hexane extractable hydrocarbons by GC-FID	E004
Soil	AR	EPH TEXAS (C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C40)	Determination of acetone/hexane extractable hydrocarbons by GC-FID for C8 to C40. C6 to C8 by headspace GC-MS	E004
Soil	D	Fluoride - Water Soluble	Determination of Fluoride by extraction with water & analysed by ion chromatography	E009
Soil	D	Fraction Organic Carbon (FOC)	Determination of TOC by combustion analyser.	E027
Soil	D	Organic Matter (SOM)	Determination of TOC by combustion analyser.	E027
Soil	D	TOC (Total Organic Carbon)	Determination of TOC by combustion analyser.	E027
Soil	AR	Exchangeable Ammonium	Determination of ammonium by discrete analyser.	E029
Soil	D	FOC (Fraction Organic Carbon)	Determination of fraction of organic carbon by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	D	Loss on Ignition @ 450oC	Determination of loss on ignition in soil by gravimetrically with the sample being ignited in a muffle furnace	E019
Soil	D	Magnesium - Water Soluble	Determination of water soluble magnesium by extraction with water followed by ICP-OES	E025
Soil	D	Metals	Determination of metals by aqua-regia digestion followed by ICP-OES	E002
Soil	AR	Mineral Oil (C10 - C40)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge	E004
Soil	AR	Moisture Content	Moisture content; determined gravimetrically	E003
Soil	D	Nitrate - Water Soluble (2:1)	Determination of nitrate by extraction with water & analysed by ion chromatography	E009
Soil	D	Organic Matter	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	PAH - Speciated (EPA 16)	Determination of PAH compounds by extraction in acetone and hexane followed by GC-MS with the use of surrogate and internal standards	E005
Soil	AR	PCB - 7 Congeners	Determination of PCB by extraction with acetone and hexane followed by GC-MS	E008
Soil	D	Petroleum Ether Extract (PEE)	Gravimetrically determined through extraction with petroleum ether	E011
Soil	AR	pH	Determination of pH by addition of water followed by electrometric measurement	E007
Soil	AR	Phenols - Total (monohydric)	Determination of phenols by distillation followed by colorimetry	E021
Soil	D	Phosphate - Water Soluble (2:1)	Determination of phosphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Total	Determination of total sulphate by extraction with 10% HCl followed by ICP-OES	E013
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of sulphate by extraction with water & analysed by ion chromatography	E009
Soil	D	Sulphate (as SO4) - Water Soluble (2:1)	Determination of water soluble sulphate by extraction with water followed by ICP-OES	E014
Soil	AR	Sulphide	Determination of sulphide by distillation followed by colorimetry	E018
Soil	D	Sulphur - Total	Determination of total sulphur by extraction with aqua-regia followed by ICP-OES	E024
Soil	AR	SVOC	Determination of semi-volatile organic compounds by extraction in acetone and hexane followed by GC-MS	E006
Soil	AR	Thiocyanate (as SCN)	Determination of thiocyanate by extraction in caustic soda followed by acidification followed by addition of ferric nitrate followed by colorimetry	E017
Soil	D	Toluene Extractable Matter (TEM)	Gravimetrically determined through extraction with toluene	E011
Soil	D	Total Organic Carbon (TOC)	Determination of organic matter by oxidising with potassium dichromate followed by titration with iron (II) sulphate	E010
Soil	AR	TPH CWG (ali: C5- C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C34, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C35. C5 to C8 by headspace GC-MS	E004
Soil	AR	TPH LQM (ali: C5-C6, C6-C8, C8-C10, C10-C12, C12-C16, C16-C35, C35-C44, aro: C5-C7, C7-C8, C8-C10, C10-C12, C12-C16, C16-C21, C21-C35, C35-C44)	Determination of hexane/acetone extractable hydrocarbons by GC-FID fractionating with SPE cartridge for C8 to C44. C5 to C8 by headspace GC-MS	E004
Soil	AR	VOCs	Determination of volatile organic compounds by headspace GC-MS	E001
Soil	AR	VPH (C6-C8 & C8-C10)	Determination of hydrocarbons C6-C8 by headspace GC-MS & C8-C10 by GC-FID	E001

Normec DETS Limited
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Kent ME17 2JN

Certificate Key

Symbol	Description
F	Filtered sample
UF	Unfiltered sample
D	Dried sample
AR	As received sample
RL	Reporting limit
~	Sample details provided by customer and can affect the validity of results
M/S	Missing Sample
*	The Dutch 10 PAH compounds consist of Naphthalene, Anthracene, Phenanthrene, Fluoranthene, Benz(a)anthracene, Chrysene, Benzo(k)fluoranthene, Benzo(a)pyrene, Benzo(g,h,i)perylene, and Indeno(1,2,3-cd)pyrene
**	Total EPA-16 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(ghi)perylene.
***	Total WAC-17 PAHs consist of the following polycyclic aromatic hydrocarbons: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(ghi)perylene and Coronene.
^	No sampling date provided; unable to confirm if samples are within acceptable holding times
\$	Samples exceeded their recommended holding times
n	Please note that we are MCERTS soil accredited (UK soils only) for sand, loam, and clay, and UKAS accredited for groundwater, tap water, surface water, and generated leachates. Other matrices are outside our scope of accreditation.
S	Subcontracted analysis
M	MCERTS accredited test
U	UKAS accredited test